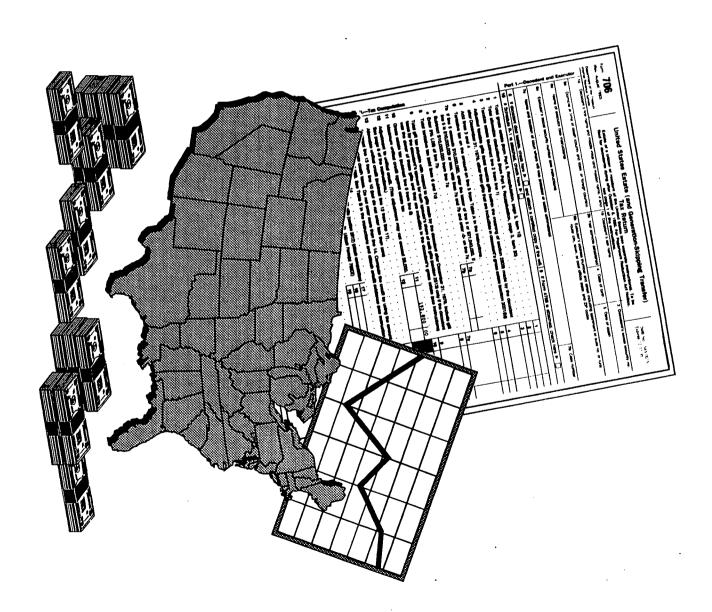
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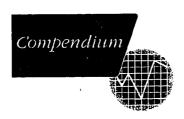
Department of the Treasury Internal Revenue Service

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Chief Compliance Officer

Daniel F. Skelly
Acting Director, Statistics of Income Division



Webster's Dictionary defines compendium as "A work treating in brief form the important features of a whole field of knowledge." This is a compendium in the true sense of the word. The Statistics of Income Division (SOI) of the Internal Revenue Service has assembled for the first time the complete record of its efforts to estimate the wealth of the Nation's living population using Federal estate tax returns. In addition, papers are presented discussing the most recent Federal estate tax studies, as well as new tabulations of historical estate tax data collected between 1963 and 1990. Apart from assembling statistical data, this compendium also includes methodological information essential to the understanding and further development of estate tax and personal wealth estimates. Even the graphic at the lower left on this page comes from an early SOI estate tax report. It appears at the beginning of each major section in this Compendium.

This book is, however, more than a compendium of papers; it is also a compendium of effort by SOI staff and outside scholars. Many dedicated workers in IRS Service Centers throughout the country, particularly Ogden, Utah, have, over the years, performed the difficult task of capturing the data used as the foundation for all of the papers presented here. Paul Amsberger provided the book's cover, graphics, and assisted with the overall design and layout. Dorothy Wallace patiently compiled statistical tables. Michael Alexander, Jim Hobbs, Marvin Schwartz, Elizabeth Nelson and Beth Kilss provided helpful comments and suggestions.

Thanks are also due to Rick Schoff of The Foundation Center for giving SOI permission to reprint material for this compendium, and to Dr. David Joulfaian, Louise Woodburn, Dr. James Smith and Daniel Skelly for their contributions. Finally, special thanks to Dr. Jeffrey Rosenfeld for his editorial and analytical expertise as well as his energy and enthusiasm, all of which helped to make this book a reality.

Lastly, Dr. Fritz Scheuren deserves particular recognition for his contributions to this book. Indeed, it is due to his support and vision that SOI's estate and personal wealth program has evolved to its present form. He was the first SOI analyst to produce estimates of wealth using estate tax data, and later, as director of the SOI Division, he shepherded many improvements in both the sample design and estimation methodology. He has made innumerable contributions to the field of statistics in general, and, particularly in the development of wealth data sources for use in public policy planning. His guidance and support, as well as the preface and methodological articles he contributed, have helped make this book special.

These efforts, like the compendium itself, prove that the whole is indeed greater than the sum of its parts.

Barry W. Johnson, General Editor March 1994

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Preface

S. Federal taxation of asset transfers at death began in 1916. Since the beginning of the tax, the Statistics of Income (SOI) program of the Internal Revenue Service has prepared informative summaries at fairly regular intervals from the estate tax returns filed. These SOI tabulations and accompanying interpretive material have, over the years, appeared in many forms — ranging from a chapter in the annual Statistics of Income reports to a separate supplementary report series. Estate tax statistics are now published in the quarterly SOI Bulletin and available electronically through the SOI Electronic Bulletin Board ((202) 874-9574).

In some ways, this Compendium might be thought of as a part of a set of publications. The second volume in the set, tentatively entitled *The Estate Fact Book*, 1916-1950, provides details of the estate tax in its early years. This "Fact Book" is based on a reprocessing of the old estate returns which IRS had retained in storage. It, therefore, provides an opportunity to give a modern look to the work done, often by hand or with punchcard tab equipment in the days before computers. The Fact Book is planned for early 1995 and should be available both on paper and in an electronic form.

Despite the long history of the estate tax and its SOI statistics, this is the first Compendium to be produced. Brought together here are not only data taken directly from the returns, but also estimates prepared from them of the asset holdings of the wealthy. Some time series information is included; however, the emphasis is on recent results. Not only does the present Compendium emphasize estate statistics from the last few decades, but it also gives notable prominence to the role estate tax returns have had in estimating the wealth of the wealthy. Wealth statistics in the United States have a long lineage — quite apart from the estate tax; nonetheless, it has been true, and remains true today, that they simply have not been given the attention of their natural complement, income statistics.

Aside from estate tax estimates of wealth, sustained efforts to balance overall U.S. income and wealth statistics have been largely lacking. Two big exceptions are the Survey of Income and Program Participation (SIPP) and the Survey of Consumer Finances (SCF).

Begun in the 1970's and conducted by the Census Bureau, SIPP has become an important regular source of information on the assets held by households. While it provides some insight, SIPP's uses for wealth estimates are somewhat limited, since wealth is highly concentrated and SIPP is not stratified by wealth (or income). It does not really address (nor was it intended to) the holdings of the very rich.

Fortunately, the Federal Reserve Board (FED) decided to resume, in the early 1980's, its Survey of Consumer Finances (SCF). The first such survey done by the FED was in 1963. At that time, IRS assistance was obtained to construct a frame to allow for oversampling of the well-to-do. The early cooperative efforts between IRS and the Federal Reserve Board in the 1960's were resumed in the 1980's (with, of course, suitably updated and made even more stringent procedures to protect taxpayer's rights to privacy and confidentiality). The modern SCF represents, at present, the best source for those interested in looking at the wealth distribution as a whole — particularly at the full range of asset holdings across net worth classes. Some of the work done by SOI staff on the Survey of Consumer Finances appears in this Compendium. The SCF, though, is not a primary focus here; instead, the wealth statistics presented come mainly from estate tax returns and are based on the estate multiplier method.

The so-called estate multiplier method was devised in the 19th century as a way of using death duty tax records to estimate wealth in Great Britain and France. To obtain an estimate of the wealth of the living, the decedent's wealth was multiplied by the inverse of the mortality rate for the individual. Overall mortality rates were used initially. Later on, these were adjusted for social class differentials and characteristics of obvious importance to mortality rates, like age and sex.

Preface

There is some evidence that SOI tabulations, from the beginning, may have been designed for possible use in estimating personal wealth. Dr. Edward White, the first Director of the SOI programs, probably knew of the estate multiplier method. For one thing, much of what was done at IRS in those early days was modeled after Great Britain's Inland Revenue, which had an active program based on estate duty records. Another source of supporting information, besides the tables themselves, is the important role that the *Journal of the American Statistical Association (JASA)* had in the founding of the SOI program. In December 1915, *JASA* published complete income statistics from the tax returns filed in 1913, the first year of the modern income tax. Not incidentally, that *JASA* article by Roland Falkner recommended the legislation passed in 1916 that established SOI. In its earlier volumes, dating back to at least the 1890's, *JASA* had articles on the estate multiplier method.

Estate tax wealth estimates were not actually produced in the SOI program until the 1960's. Prior to that, the work had been done by independent scholars, like Robert Lampman. In fact, it was on the initial SOI wealth estimates, done for 1962 (included in this Compendium) that I got my start as a statistician in IRS. Since then, estimates of personal wealth have appeared at regular intervals as part of the SOI program. One contribution of this Volume is that it brings together the highlights of that nearly thirty-year effort.

It seems fitting to dedicate this Volume to two friends from those days, now long ago: Staunton Calvert and Jim Smith, both of whom labored mightily to start the SOI wealth series. Also, it is appropriate to commend to you those who still labor to produce estate and wealth statistics. In particular, I hope that, under the leadership of Barry Johnson and Marvin Schwartz, supported by Louise Woodburn, Elizabeth Nelson, Cathy Deale, Mike Alexander, and Dan Skelly (among others), this important SOI tradition will continue.

Fritz Scheuren, Ph.D.

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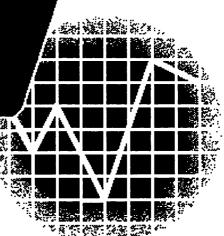
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Estate Tax Data



CHAPTER 1 Estate Tax Data

Introduced by David Joulfaian, Ph.D

dministrative records have long been used for evaluating tax policy and analyzing economic behavior. These include estate tax records, as well as individual and corporate tax records compiled by the Statistics of Income (SOI) Division of the Internal Revenue Service. Estate tax records are particularly useful for policy making because they represent the only comprehensive source of information on decedents, their estates, and beneficiaries.

Estate tax data have proven to be an invaluable source of information to policy analysts. These records contain detailed information on asset composition and portfolio holdings, jointly held assets, life insurance proceeds, estate administration expenses, and state and foreign death taxes. They are the quintessential component of the estate tax simulation model, which is used by the Office of Tax Analysis (OTA) at the U.S. Treasury Department to evaluate and estimate the effects of enacted and proposed estate tax legislation, including changes in tax rates, exclusions, deductions, and tax credits, and has been used extensively in the revenue estimation process by OTA.

In addition to their role in the legislative process, estate tax records have been employed in studies of various facets of economic behavior. A number of studies, for instance, have examined patterns of charitable giving and their determinants. This topic is especially interesting as fewer than 10,000 estates gave more than the combined gifts of all corporations in 1990; the contributions from this handful of estates exceeded 10 percent of the total reported by all 29 million taxpayers claiming a deduction for such gifts on their individual income tax returns. Several charitable bequest studies are presented in Chapter 2.

When combined with income tax returns, estate tax records provide interesting insights into the pre-death behavior of decedents. The earliest study using such data is that by Eugene Steuerle, who studied the relationship between realized income and wealth. Steuerle also studied the lifetime charitable contributions by estate tax decedents and their relationship to bequests at death. These studies are reprinted in Chapters 3 and 2, respectively. In a later study, and using similar data, Auten and Joulfaian (1993) examined the effect of estate taxes on lifetime charitable contributions.

Estate tax records also provide information on the division of an estate among the living beneficiaries. In a study of bequest division, Joulfaian (1993) examined the pattern of inheritances received by beneficiaries. When combined with the income tax returns of the heirs, estate tax records allow for the study of the effects of inheritances on the recipient's behavior. In a recent study, for example, Holtz-Eakin, Joulfaian and Rosen (1993) examined the effects of inheritance on the recipient's labor force participation and earnings.

In summary, estate tax records provide a unique source of data on wealth holdings and the patterns of bequests. They represent the only source of information for use in examining estate tax policy and provide the most reliable information on the division and distribution of bequests.

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Estate Tax Returns, 1983

by Mary F. Bentz

Estate tax returns filed during 1983 for deaths occurring primarily in 1982 were the first to reflect the tax reductions introduced by the Economic Recovery Tax Act of 1981 (ERTA). Taking into account the normal growth in the number of estates, the higher estate filing threshhold mandated by ERTA resulted in a decrease in excess of the actual 16-percent fall in the overall number of returns filed While 119.864 decedents from 1982 to 1983. reported assets exceeding the filing threshhold in 1982, only 100,890 decedents were subject to filing a return in 1983. However, 1983 filings showed more wealthy decedents: The number of returns reporting a gross estate of at least \$300,000 increased from 59,597 to 63,251 in 1983. These returns had assets totaling \$50.4 billion, up from the \$45.4 billion reported for 1982.

Despite a rise in both the number and wealth of these estates, the total estate tax liability decreased from \$6.2 billion in 1982 to \$5.2 billion in 1983. ERTA's liberalization of estate tax law was the major factor in reducing the tax liability. In 1983, over \$24 billion in allowable deductions reduced the taxable portion of the \$50 billion in total gross estate to \$26 billion. For 1982, about \$18 billion in

deductions was claimed against more than \$45 billion in assets with a final taxable amount of \$27.6 billion (Figure A).

Of the 63,251 estate tax returns filed during 1983 with \$300,000 or more of gross estate, 35,148, or 55 percent, were taxable (that is, had an estate tax due after credits), with a total gross estate of \$32.6 billion. Nontaxable returns had \$17.8 billion of gross estate (Figure B).

The asset composition of the estates varied considerably with the size of the estate. For estates of \$500,000 to \$1 million, real estate was the most important asset, accounting for 31 percent of all assets. Corporate stock and cash, at 20 percent and 15 percent, respectively, were the next most important components of these estates.

In contrast, corporate stock was the most important asset in the portfolios of those decedents with estates of \$1 million or more in assets. While corporate stock made up 31 percent of total asset holdings for these decedents, real estate represented only 21 percent. Lifetime gifts and bonds, representing 12 percent and 10 percent, respectively, of the

Figure A.--Number of Returns, With Gross Estate of \$300,000 or More, Gross Estate, Taxable Estate, and Estate Tax, 1982 and 1983

[All figures are estimates based on samples--money amounts are in millions]

Item	1982	1983	Change, number or amount	1982 to 1983 (percent)
	(1)	(2)	(3)	(4)
Number of returns	59,597	63,251	+3,654	+6%
Gross estate		\$50,390	+4,978	+6% +11
Total deductions 1	17,897	24,322	+6,425	+36
Taxable estate	27.568	26,235	-1,332	-5
Estate tax before credits		9,265	-510	-5
Estate tax after credits		5,170	-1,056	-17

¹Deductions may exceed gross estate on some returns.

^{*}Foreign Special Projects Section. Prepared under the direction of Charles Crossed, Acting Chief.

Estate Tax Data

Figure B.--Summary Statistics by Tax Status

[All figures are estimates based on samples--numbers of returns are in thousands; money amounts are in millions]

Item	Total	Taxable	Nontaxable
	(1)	(2)	(3)
Number of returns	63,251	35,148	28,103
Gross estate ¹	50,390	32,618	17,772
Real estate	12,009	7,078	4,931
Bonds, total	4,050	3,187	863
Federal savings	314	239	75
Other Federal		1,155	204
State and local		1,524	454
Corporate and foreign	399	269	130
Corporate stock		8,301	3,209
Cash		4,096	1,783
Notes and mortgages		1,094	810
Life insurance		650	1,302
Annuities		126	305
Noncorporate business assets		1,337	723
Noncorporate business assets	2,000		
Household goods and other assets		1,453	626
Lifetime transfers	4,729	3,321	1,409
Total deductions	24 322	9,639	14,683
Funeral and administrative expenses and orphans	24,522	9,000	14,005
deductions	1 602	1,319	283
Debts and mortgages (allowable)		1,758	1,452
Charitable bequests	2,545	1,611	935
Marital deduction	16,965	4,952	12,013
Taxable estate	26,235	22,979	3,256
Estate tax before credits	9,265	8,361	904
Total tax credits	4 005	2 101	. 004
Fileschia smithal amedia	4,095	3,191	904
Allowable unified credit		2,260	89]
State death taxes		843	5
Other tax credits	96	87	8
Estate tax after credits	5.170	5,170	_

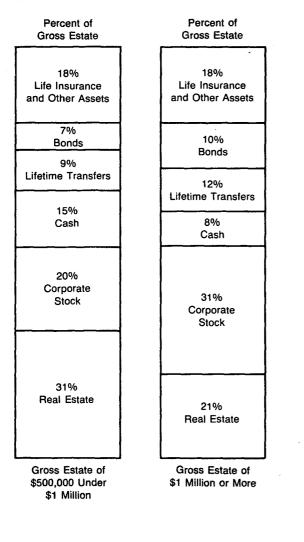
'Asset detail does not add to total gross estate since it is not required to be reported for the estates of decedents with \$500,000 or less of gross estate who died after December 31, 1981.

total reported assets, were the next most important components of the estates of millionaires. Cash was considerably less important in the portfolios of wealthier decedents, making up only 8 percent of their total assets (see Figures C and D).

For returns filed in 1983, real estate exceeded corporate stock as the largest component of the total gross estates of those returns with \$300,000 or more in assets. (See the Data Sources and Limitations section for a discussion of the asset composition of returns with gross estate of \$500,000 or less.) This change in the composition of assets can be

traced over several years. For example, corporate stock, which represented 43 percent of all assets for 1972, fell to 25 percent of all assets by 1982. Meanwhile, real estate grew from 16 percent to 26 percent during the same period. This change may not be due so much to an actual shift in asset preferences as to changes in the value of certain assets. While the value of real estate reported on estate tax returns quadrupled from 1972 to 1982, the value of corporate stock increased by only about 34 percent. This reflects both the rising prices in the real estate market and the lack of growth in the stock market over that same period.

Figure C
Composition of Gross Estate by
Size

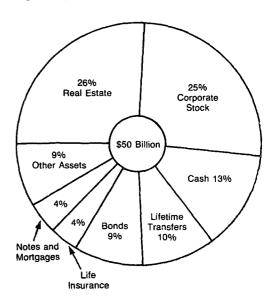


BRIEF HISTORY OF THE ESTATE TAX

The modern estate tax has been in effect since 1916. However, estate or inheritance taxes were instituted periodically in this country much earlier, usually as a temporary emergency measure to raise revenue during wartime. These taxes took the form of excises on transfers of wealth in order to avoid presumed constitutional restrictions on the direct taxation of wealth.

The first Federal involvement with a death tax dates to 1797 when, during a time of undeclared naval warfare with France, Congress levied a stamp tax on legacies, probates of

Figure D
Composition of Total Gross
Estates



wills, and letters of administration. stamp tax was repealed in 1802 when the crisis subsided. The death tax was reinstated again during the Civil War when from 1862 to 1870 an inheritance tax was imposed on an individual's privilege of inheriting real and personal property from a decedent. Rates varied with the relationship to the decedent of each heir, with a maximum tax rate of 6 percent of the inheritance. The Spanish-American War was the impetus for the next death tax, provided for under the War Revenue Act of 1898. This was the first true estate tax, levied not on the inheritors, but on the decedent for the $% \left(1\right) =\left(1\right) \left(1\right) \left($ privilege of leaving property to his or her heirs. The tax followed a graduated rate scale according to the amount of the bequest and the relationship of the heir to the decedent, with tax rates up to 15 percent with an exemption for estates under \$10,000. Fourteen years passed between the repeal of this wartime estate tax in 1902 and the beginning of the modern estate tax in 1916.

Today's estate tax was instituted by the Revenue Act of 1916, 3 years after the inception of the modern income tax in 1913. No longer necessary strictly for wartime revenue, the estate tax was to serve the dual purposes of producing revenue and redistributing wealth.

The 1916 legislation specifically levied the tax on the transfer of assets from the decedent to the heirs rather than on the value of assets

distributed to individual beneficiaries, making the levy an estate tax, not an inheritance tax. The relationship of the beneficiary to the decedent had no bearing on the tax liability; the tax ranged from 1 percent on small estates to 10 percent on estates greater than \$10 million, with a \$50,000 exemption. The basic structure has remained intact since 1916, although there have been some modifications to the tax since then. In particular, certain provisions have been added to provide for the special treatment of family farms and to include a deduction for bequests to the surviving spouse. See the text below for an explanation of the marital deduction for married decedents.

THE ECONOMIC RECOVERY TAX ACT OF 1981

Estate tax returns filed during 1983 were the first to reflect the tax reductions introduced by the Economic Recovery Tax Act of 1981 (ERTA). ERTA's changes to estate tax law took effect for decedents dying after December 31, 1981. As returns for individuals dying in 1982 were not generally filed until 1983, the estate tax return information for 1983 provides us with the first opportunity for analyzing the impact of ERTA.

The major estate tax changes made under ERTA were an increase in the unified credit for estate taxes, an elimination of the monetary ceiling on the estate tax marital deduction, and a reduction in the maximum estate tax rate. These provisions are described in greater detail in the following sections.

Unified Credit Increase

ERTA provided for a gradual increase in the unified credit, so called because it is used (in lieu of an exemption) for both estate and gift tax purposes as a dollar-for-dollar reduction of the estate or gift tax. further explanation of the unified credit, see the Definitions section.) The unified credit was increased from the \$47,000 in effect for individuals dying in 1981 to a \$192,000 credit for those dying in 1987. In addition, the estate tax filing requirements were revised upward to reflect the increased unified credit amount; the filing requirement is that amount the tax on which is equal to the credit. the gross estate of a decedent dying in 1981 exceeded \$175,000, an estate tax return was required to be filed. This figure was increased to \$225,000 in 1982, and will rise to \$600,000 for decedents dying in 1987 and thereafter. Upward adjustments in the unified credit and the filing requirement are to be phased in over a 6-year period as follows:

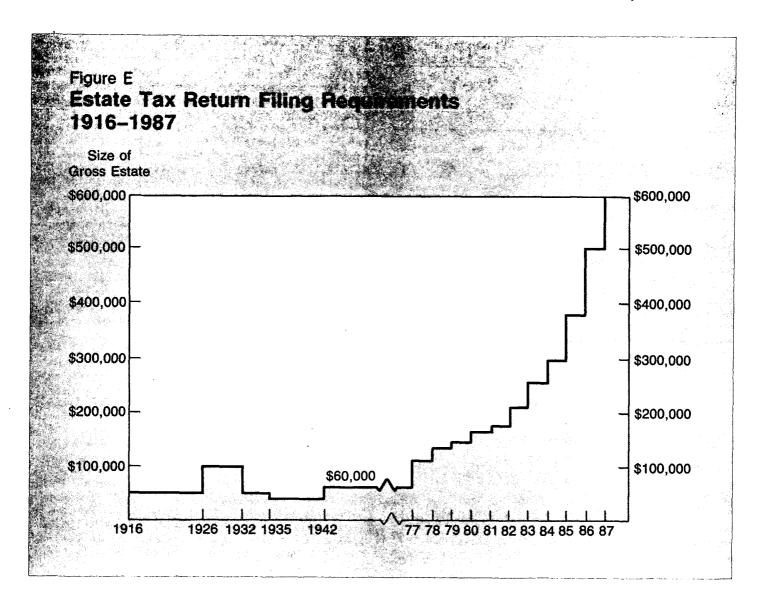
Year of death	Unified credit	Filing requirement
1981	\$47,000	\$175,000
1982	62,800	225,000
1983	79,300	275,000
1984	96,300	325,000
1985	121,800	400,000
1986	155,800	500,000
1987 and later	192,800	600,000

The increase in the estate filing requirement was part of a move begun in 1976 to return the scope of the tax to its original intent. The \$60,000 filing requirement in effect almost continuously for 60 years required returns from sizeable estates held by only a small percentage of individuals in the early years. However, in more recent years up to 1976, the \$60,000 filing requirement subjected the estates of many not-so-wealthy people to the tax as well. Figure E shows the filing requirements in effect since the inception of the tax in 1916. The following chart illustrates the percentage of total decedents for whom estate tax returns were filed in selected years.

Year of filing	Returns filed as a percentage of all deaths (in previous years)
1926	1.1%
1966	5.3
1977	10.5
1983	5.1

In the highest year, 1977, the 200,747 returns filed for citizens and resident aliens represented 10.5 percent of the 1,909,000 deaths occurring in 1976. With the recently increased filing requirement, it is expected that a smaller percentage of all decedents will be subject to the tax. As a result of the increased filing threshhold, the number of estate tax returns filed decreased from 119,864 in 1982 to 100,890 in 1983. Returns filed in 1983 represented only 5.1 percent of the deaths occurring the previous year.

The effect of the increased unified credit amount will be to decrease the estate tax burden on those estates subject to the tax. The estates benefiting the most from the unified credit increase will be those with low to medium wealth. In these cases, the unified credit will serve to eliminate or decrease substantially the tax due.



Unlimited Marital Deduction

In community property states, property accumulated by a person during marriage belongs equally to that person and to the spouse regardless of which spouse holds legal title. In effect, only half as much property is included in the estate of a married decedent from a community property state as would appear in the same estate under common law. The estate tax marital deduction was enacted in 1948 to promote more equal treatment of estates in community property and common law states.

From 1977 until 1981, the allowable estate tax marital deduction was equal to the greater of \$250,000 or half the adjusted gross estate for property passing to a decedent's spouse. ERTA did away with the monetary ceiling on the estate marital deduction for the estate of decedents dying after 1981. Under the new law.

unlimited amounts, except for certain terminable interests (bequests of income for life), can be transferred to a surviving spouse free of estate tax. The effect of the unlimited marital deduction has been to decrease substantially the taxable estates of married decedents.

The marital deduction was by far the largest of all deductions reported in 1983, accounting for 70 percent of total deductions. This deduction was even more important for nontaxable estates. For those estates reporting no estate tax, the marital deduction represented 82 percent of the total deductions. The following chart shows the total number of returns compared to the number of returns electing the marital deduction, by tax status. While only 44 percent of all 1983 returns were exempt from the estate tax, 79 percent of those returns for which the marital deduction was claimed paid no tax.

	<u>Total</u>	Returns with marital deduction
All returns	63,251	32,247
Taxable		6,893
Nontaxable		25,354

Reduction in Maximum Tax Rate

Before 1981, the highest estate tax rate was 70 percent on assets in excess of \$5 million. The Act allowed a reduction in this rate to 50 percent, in 5-percent increments over a 4-year phase-in period. However, the recently enacted Tax Reform Act of 1984 delays the reduction 3 years, keeping the top rate at 55 percent through 1987, and reducing the rate to 50 percent for 1988 and later years. The following chart shows the new tax rate schedule:

For decedents dying in:	The maximum tax rate will be:
1982	65% on assets in excess of \$4 million
1983	60% on assets in excess of \$3.5 million
1984-1987	55% on assets in excess of \$3 million
1988 and thereafter	50% on assets in excess of \$2.5 million

SUMMARY

Estate tax returns filed in 1983 provided financial data about the wealthiest 3 percent of all decedents. In 1983, 63,251 decedents with individual estates valued at more than \$300,000 reported a combined \$50 billion in assets. Real estate was the most important component of the estates of these decedents, amounting to \$12 billion, or 26 percent of their total assets. The value of corporate stock nearly equalled that of real estate, with \$11.5 billion, or 25 percent of the assets. While the relative importance of these two assets in the total \$50 billion was very close. a distinction can be seen between the portfolios of small and large wealthholders. Individuals with \$500,000 to \$1 million in assets were more likely to hold larger amounts of real estate, while millionaires held more of their assets in the form of corporate stock.

While decedents filing estate tax returns in 1983 were wealthier than those filing in previous years, their tax liability decreased

from past years. This is a result of the tax law changes introduced by the Economic Recovery Tax Act of 1981 (ERTA), which reduced estate, taxes and shifted the tax burden away from smaller wealthholders for individuals dying after 1981. ERTA's liberalization of rules covering filing requirements, deductions and credits allowed many of the smaller estates to reduce substantially or eliminate their tax liability. Also benefiting from ERTA were the estates of married decedents, for which an unlimited deduction equal to the amount of the bequests to the surviving spouse was allowed to decrease the taxable estate. All estates benefited from a lower marginal tax rate and an increased amount of credits allowed against the These trends are expected to estate tax. continue as the tax reductions introduced by the Economic Recovery Tax Act of 1981 (ERTA) take full effect.

DEFINITIONS

Brief definitions of some of the terms used in the tables are provided below:

Adjusted taxable estate. -- Adjusted taxable estate was equal to the sum of total taxable estate and adjusted taxable gifts.

Adjusted taxable gifts.--Certain gifts made during the life of an individual who died before to 1982 were automatically included in the gross estate. However, for the estate of an individual who died after 1981, gifts were not generally included in the gross estate. In these estates, the gifts were included in the amount of the adjusted taxable gifts and combined with adjusted taxable estate for the purposes of determining the tentative tax.

Alternate value of gross estate.—All property included in the gross estate could be valued at one of basically two points in time. While the value of the gross estate at the date of death determined whether an estate tax return was required to be filed, the executor of the estate had the option of valuing the estate as of the date of death or six months after the decedent's death. (Any property sold, exchanged or otherwise disposed of within six months was valued as of the date of the disposition.)

Bequests to surviving spouse.--Bequests to surviving spouse was equal to the value of property interests passing from the decedent to the surviving spouse.

Date-of-death value of gross estate.--The amount of property in this category was the fair-market value of all the assets at the death of the decedent. Although this value was used as a criterion for filing an estate tax return, it was not the only measure that could be used in valuing property for estate tax purposes. See also "alternate value."

Estate tax after credits.--This was the tax liability of the estate remaining after subtraction of credits for state death taxes, foreign death taxes, and Federal gift taxes on pre-1977 gifts paid by the decedent or paid by a spouse or other transferors whose death preceded the decedent's. In addition, a "unified credit," graduated according to the year of death and a "credit" for gift taxes paid on post-1976 gifts, is allowed. See also "unified credit."

Estate tax before credits.--This was the tax obtained by applying the graduated estate tax rates to the adjusted taxable estate and reducing the tax by the amount of gift taxes previously paid. The rates ranged from 18 percent on the first \$10,000 of taxable estate up to 70 percent of taxable estates of \$5 million or more. The Economic Recovery Tax Act of 1981 (ERTA) introduced a graduated reduction in the tax rates. See the section entitled Reduction in Maximum Tax Rate for more details.

Gift taxes previously paid.--Credit was allowed against the estate tax for the Federal gift tax paid on a gift made by a decedent before 1977. No credit, separate from the unified credit, was allowed for any gift tax paid on gifts made after 1976.

<u>Gross</u> <u>estate</u>.--An estate tax return was required in the case of every decedent whose gross estate exceeded the legal filing requirement in effect for the year of death. For estate tax purposes, the gross estate included all property or interests in property before reduction by debts (except policy loans against insurance) and mortgages, or by administration expenses. Included in the gross estate were such items as real estate, tangible and intangible personal property, certain lifetime gifts made by the decedent, property in which the decedent had a general power of appointment, the decedent's interest in annuities receivable by the surviving beneficiary, the decedent's share in community property, life insurance proceeds (even though payable to beneficiaries other than the estate), dower or curtesy of the surviving spouse (inherited property), and, with certain exceptions, joint estates with right of survivorship and tenancies by the entirety.

Jointly owned property.--Jointly owned property was property held by the decedent with another person or persons with rights of survivorship. Jointly owned property is reflected in each of the property types shown in this article and, in addition, is shown separately (in total only) in Table 1.

Lifetime transfers.--Included in this item were two categories of gifts that, by law, had to be reported in gross estate: gifts taking effect at death, and gifts of property in which the decedent retained some rights.

Marginal tax rate.--See the discussion under "Taxable estate."

Marital deduction. -- The marital deduction is a deduction from the gross estate of the value of property that is included in the gross estate but that passes to the surviving spouse.

Net worth. -- Net worth was equal to the total gross estate less debts and mortgages.

Nontaxable returns. -- Nontaxable returns were those with no estate tax after credits.

Tax on prior transfers.--A tax credit was allowed for Federal estate tax paid on property received by the decedent or the estate from a transferor who died within 10 years before, or 2 years after, the decedent. The credit was intended to lessen the burden of double taxation between successive estates whose owners had died within a short period of time. Depending on the time that has elapsed between the deaths, a credit is allowed for all or part of the Federal estate tax paid by the transferor's estate with respect to the transfer.

Taxable estate.--Taxable estate is the base to which the graduated Federal estate tax rates are applied in computing the estate tax before credits. Taxable estate is equal to the value of the gross estate less deductions allowed for the following: funeral and administrative expenses; casualty and theft losses; debts, mortgages, losses, and other claims against the estate, including pledges to charitable organizations; an orphan's deduction (for the estates of individuals dying before 1982); and the marital deduction.

Taxable returns. -- Taxable returns were those with an amount of estate tax after credits.

Unified credit.--The unified credit, so called because it is used for both estate and gift tax purposes, is applied as a dollar-for-dollar reduction of the estate tax. The credit must be used to offset gift taxes on lifetime transfers made after 1976. However, to the extent it is so used, the amount of credit available at death is reduced.

DATA SOURCES AND LIMITATIONS

The data provided in this article are based on a sample, selected before audit, of 19,122 Federal estate tax returns filed during 1983. The sample, which represents approximately 63,000 decedents, was limited to those returns with at least \$300,000 of gross estate because of the annual increase in the filing requirement and in order to facilitate comparison with previous years' returns reporting this level of wealth.

Because the data are based on a sample of estate tax returns filed with the Internal Revenue Service (IRS), they are subject to sampling as well as nonsampling error. The following table below presents an estimate of the sampling error for IRS data expressed as a coefficient of variation (C.V.). The approximate coefficients of variation shown here are intended only as a general indication of the reliability of the data. See the Appendix for further discussion of SOI sample procedures and data limitations.

Estimated Number of Returns		Approximated Coefficient of Variation						
302,650 48,420 12,110 3,030 1,940 990				0000	.02 .05 .10 .20 .25	·	:	
480				•	.50	٠.	•	

Only about 19 percent of the estate tax returns filed during 1983 were for persons dying in 1983. Because the executors of most estates take advantage of the full 9-month period within which the return must be filed and the tax must be paid, most returns are not received at IRS service centers until at least 9 months after the person's death. In addition, those estates that petition for, and receive approval for an extension of time to file need not submit the return until 6 months after the original filing deadline.

Delinquency can also cause a delay in filing. For these reasons, the majority (approximately 75 percent) of the returns filed during 1983 were for deaths occurring in 1982. The following chart shows the number and percentages of decedents by year of death, for returns filed in 1983.

	Retur	ns filed in 1983
Year of death	Number	Percent of total
1980 or prior year	471 -	0.7%
1981	3,040	4.8
1981 1982	47,493	75.1
1983	12.247	19.4
Total	63,251	100.0

Noted that the sum of the asset amounts for those returns with \$300,000 to \$500,000 of gross estate will be less than the total gross estate amount for this group, the reason being that detailed asset information is not required to be filed for decedents who died after December 31, 1981, and left a gross estate of \$500,000 or less. However, some or all of this information may have been supplied voluntarily. In fact, about \$9.4 billion of the total \$13.2 billion in assets belonging to this group has been allocated to the proper asset amounts.

While detailed deduction information is also not required to be supplied for estates of \$500,000 or less, deduction amounts can be obtained from other information reported on the return. However, because some adjustments had to be made, deduction amounts otherwise reported as "administrative expenses and losses" have been included with "funeral expenses and orphan's deductions."

ADDITIONAL INFORMATION

Additional information on estates may be obtained by writing to the Statistics of Income Division, D:R:S, Internal Revenue Service, Washington, DC 20224.

Table 1.--Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate
[All figures are estimates based on samples--money amounts are in thousands of dollars]

						Type of p	roperty				
Size of gross estate	Number of	Gross	Gross Real est		estate Corporate s		tock Cash		Bonds		
•	returns	estate	ļ		·				<u> </u>	Total	
		 	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
All returns, total	63,251	50,390,376	43,302	12,009,136	40,263	11,509,783	51,126	5,878,497	26,946	4,049,886	
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Taxable returns, total	28,507 19,266 6,944 1,625 446 226	13,195,025 37,195,351 13,191,296 10,150,330 5,572,915 3,011,997 5,268,813 32,618,190	19,488 23,814 16,136 5,732 1,363 392 191 23,439	2,977,255 9,031,882 4,082,737 2,520,536 1,370,227 519,830 538,552 7,077,995	17,298 22,965 14,848 6,114 1,391 404 209	1,422,891 10,086,892 2,683,597 2,725,261 1,653,187 1,006,736 2,018,111 8,300,678	23,316 27,810 18,725 6,815 1,607 440 222	2,006,649 3,871,848 2,008,199 1,098,878 341,439 187,624 235,707 4,095,546	11,071 15,875 9,927 4,492 970 319 167	623,937 3,425,949 970,929 1,006,581 457,119 370,799 620,520 3,187,018	
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	18,043 11,678 4,589 1,223	6,589,336 26,028,854 8,019,479 6,747,093 4,239,131 2,397,107 4,626,044	8,755 14,684 9,440 3,770 993 311 169	1,362,281 5,715,714 2,233,217 1,687,500 1,004,407 368,304 422,286	8,520 14,670 9,109 4,020 1,034 323 185	761,892 7,538,786 1,741,538 1,837,520 1,375,750 805,236 1,778,742	11,358 17,739 11,467 4,513 1,211 353 194	1,191,065 2,904,481 1,446,729 813,006 270,501 158,597 215,647	5,943 11,026 6,686 3,127 798 267 148	373,943 2,813,075 727,273 751,972 393,740 346,304 593,787	
		Тур	e of prope	rtyContinu	ed			Type of o	leductions		
Size of gross estate	BondsContinued			Lifetime	transfers	Other property	Total	Func	es and	Adminis- trative expenses	
	Number	and local	Other Amount	Number			Amount	Orphans o	Amount	and losses Amount	
	(11)	(12)	(13)	(14)	Amount (15)	Amount (16)	(17)	(18)	(19)	(20)	
All returns total,	· · · · · · · · · · · · · · · · · · ·	1,977,985	2,071,900	1	4,729,348		24,321,929	 	345,625		
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	9,374 5,193 3,021 778 250	164,339 1,813,646 406,475 524,154 293,128 222,352 367,537	459,598 1,612,303 564,454 482,427 163,991 148,448 252,983	5,987 3,577 1,702 455 154		6,563,287 2,210,636 1,724,541 1,076,529 533,408	5,473,78 18,848,144 5,732,39 4,862,45 2,903,43 1,689,64 3,660,22	3 27,048 7 18,165 1 6,666 1 1,571 0 430	206,764 138,862 74,562 29,374 30,168 3,057 1,702	240,110 1,015,925 361,352 258,144 139,631 96,670 160,129	
Taxable returns, total	8,544	1,523,897	1,663,121	5,759	3,320,625	4,659,337	9,639,11	34,450	227-,377	1,091,267	
	2,125	83,186	290,757	1,478	320,419 3,000,206		651,529 8,987,59	16,808 17,641	129,244	175,268 916,000	

Table 1.--Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate--Continued,

[All figures are estimates based on samples--money amounts are in thousands of dollars]

			T	pe of deduct	ionConti	Inued		`. <u>.</u>		
	Debts and mortgages Charitable bequests		Marital deduction							
Size of gross estate					Year of death of decedent				Taxable estate	
	(a1)	owable)		٠.'	1981 or	prior years	1982 or	later		•
	Number	Amount_	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
11 returns, total	53,979	3,209,92	4 9,949	2,545,408	1,935	766,473	30,312	16,198,462	55,588	26,235,37
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	25,629 17,163 6,274 1,549	576,78 2,632,72 775,56 696,07 552,82 285,26	6 5,238 8 3,043 9 1,436 8 465	304,441 2,240,967 350,107 361,381 261,670 265,266	1,419 516 293 **189 **	325,084 441,390 84,893 **210,972 ** 46,250	15,790 14,522 9,603 **4,561 **	3,820,598 12,377,864 4,085,916 **5,225,638 **	25,881 17,274 6,398 1,567	7,766,88 18,468,49 7,522,74 5,316,91 2,688,04 1,331,12
\$10,000,000 or more	215	323,40 1,757,91	0 110	1,002,544	14 610	99,273 461,807	125 6,283	2,073,177 4,489,868	219	1,609,66
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	15,422 17,131 11,001 4,400 1,191 349	174,66 1,583,24 335,58 379,44 413,05 186,41 268,74	7 2,716 4 4,088 2 2,278 5 1,151 7 396 9 161	48,907 1,561,983 103,544 179,304 154,823 185,947 938,363	115 **495 ** ** **	27,090 **434,716 **	1,515 **4,768 *** **	96,353 **4,393,515 ***	17,105 **18,043 ** **	5,937,80 17,041,20 6,528,40 4,960,00 2,630,80 1,316,89
				·		Tax cr	edi ts		l	
Size of gross estate		justed ble gifts	Adjusted taxable estate	Estate tax before credits	Total tax credits	Allowabl unified credit	deat	h Other		ite tax credits
	Number	Amount	Amount	Amount	Amount	Amount	Amoun	t Amount	Number	Amount
	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
Il returns, total	2,905	247,948	26,483,327	9,264,784	4,094,75	4 3,151,02	2 847,9	.95,763	35,148	5,169,9
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	609 . 337 . 107	40,244 207,704 73,673 47,476 45,627 17,171 23,758	7,807,125 18,676,202 7,596,420 5,364,394 2,733,671 1,348,298 1,633,419	2,282,193 6,982,591 2,385,512 1,892,106 1,119,268 656,402 929,304	1,710,68 2,384,07 1,184,23 618,02 254,36 129,88 197,55	0 1,538,10 2 1,006,06 4 395,65 8 96,64 6 26,09	6 760,1 3 150,6 1 186,6 8 144,6 0 99,7	69 85,795 528 27,541 518 35,754 572 13,049 702 4,094	17,105 18,043 11,678 4,589 1,223 357 195	571,5 4,598,4 1,201,2 1,274,0 .864,8 526,5 731,7
Faxable returns, total	2,213	198,029	23,177,098	8,360,506	3,190,52	1 2,260,29	9 842,7	61 87,461	35,148	5,169,9
\$300,000 through \$500,000 Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	. 1,761 . 863 . 509 . 211	19,644 178,385 68,448 42,387 27,499 16,797 23,253	5,957,450 17,219,648 6,596,871 5,002,456 2,658,337 1,333,649 1,628,335	1,782,116 6,578,390 2,109,340 1,791,110 1,097,744 652,257 927,938	1,210,60 1,979,91 908,06 517,07 232,84 125,74	4 1,143,01 0 733,73 4 297,96 5 76,66 2 22,37	8 757,0 1 148,6 6 185,8 0 144,3 2 99,6	79,832 516 25,713 587 33,221 79 11,807 535 3,735	17,105 18,043 11,678 4,589 1,223 357 195	571,5 4,598,4 1,201,2 1,274,0 864,8 526,5

**Data combined to avoid disclosure of information for specific returns.

NOTE: Asset detail does not add to total gross estate since it is not required to be reported for the estates of decedents with \$500,000 or less of gross estate, who died after December 31, 1981. To the extent that this information was filed voluntarily, it is presented in this table. Detail may not add to total because of rounding.

Table 2.--Gross Estate by Type of Property, and by Size of Net Worth

[All tigures are estimates based on samples--money amounts are in thousands of dollars]

			thube u		i i		Type of p	roperty		
Size of net worth	Number of returns	Cross estate	Debts		Net worth	Real e	state	Bonds		
		Number of returns	Amount		Number of returns	Amount	Number of returns	Amount		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Total 1/	63,251 4,520 32,287 26,442	50,390,375 1,706,793 12,833,486 35,850,095	53,999 4,520 25,913 23,564	3,228,740 611,013 537,396 2,080,329	47,161,635 1,095,780 12,296,089 33,769,765	43,302 3,247 18,134 21,918	12,009,135 708,128 2,889,995 8,411,010	26,946 731 10,926 15,287	4,049,88 20,80 636,33 3,392,74	
\$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$5,000,000 under \$1,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	18,048 6,365 1,430 401 196	12,934,426 10,061,444 5,034,190 2,874,010 4,946,023	15,944 5,695 1,354 383 185	662,629 731,427 269,749 183,900 232,621	12,271,796 9,330,017 4,764,440 2,690,110 4,713,401	15,028 5,196 1,177 350 165	3,864,272 2,571,180 1,036,780 474,400 464,376	9,701 4,218 932 284 150	971,98 1,009,49 468,59 356,10 586,56	
					Type of proper	tyContinued				
					BondsCo	nt inued				
Size of net worth		Federal	savings	Other i	ederal	State a	nd local	Corporate a	nd Foreign	
		Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	
		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
Total 1/		8,088 202 3,691 4,194	313,943 2,959 93,222 217,759	9,229 153 3,861 5,213	1,358,892 6,419 266,646 1,085,825	13,636 373 4,119 9,141	1,977,985 8,184 168,166 1,801,632	11,779 147 4,573 7,057	399,06 3,23 108,29 287,52	
\$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more		2,921 965 239 44 23	146,928 43,287 15,365 11,220 957	3,037 1,658 317 128 71	297,160 339,806 129,066 118,514 201,276	5,210 2,829 755 229 117	407,775 533,417 291,322 213,588 355,526	4,445 2,100 328 111 69	120,12 92,93 32,83 12,78 28,80	
					Type of proper	tyContinued			·	
Size of net worth		Corporate stock		Ca	Cash Notes and mortgages			Life insurance		
		Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	
		(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	
Total 1/ eficit and under \$300,000 1/ 300,000 under \$500,000 1/ Over \$500,000, total \$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000		40,263 2,364 16,420 21,476 14,087 5,637	11,509,782 102,471 1,465,053 9,942,257 2,706,380 2,691,458	51,125 3,413 21,885 25,825 17,569 6,253	5,878,496 130,890 1,987,058 3,760,546 2,015,091 1,019,468	19,956 1,348 6,816 11,789 7,682 2,956	1,904,021 87,784 338,941 1,477,294 563,557 465,375	36,974 3,160 18,886 14,926 10,065 3,660	1,952,03 183,02 787,47 981,53 545,47 301,93	
\$2,500,000 under \$5,000,000		1,207 362 182	1,628,008 1,011,080 1,905,329	1,414 395 192	350,254 155,497 220,234	804 223 122	218,918 107,669 121,774	854 234 112	71,16 44,32 18,64	
		†			Type of proper	tyContinued	<u> </u>			
Size of net worth		Annu	ities	Noncorpor ass	ate business ets	Household goods and other assets		Lifetime transfers		
		Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	Number of returns	Amount	
		(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	
Total 1/		7,575 532 2,910 4,131	430,463 11,047 98,743 320,670	14,828 1,197 5,060 8,568	2,060,145 71,598 270,372 1,718,174	47,866 3,091 20,232 24,540	2,079,169 47,405 344,227 1,687,535	8,671 230 2,663 5,776	4,729,34 44,76 526,25 4,158,32	
\$500,001 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more		2,972 921 147 57 32	201,233 81,173 22,089 13,249 2,925	5,292 2,289 687 199 100	358,989 500,806 382,743 167,049 308,586	16,785 5,780 1,392 393 189	474,243 357,577 190,612 163,118 501,984	3,488 1,616 443 138 90	1,233,26 1,062,93 665,03 381,53 815,66	

^{1/}Asset detail does not add to total gross estate since it is not required to be reported for the estates of decedents with \$500,000 or less of gross estate who died after December 31, 1981. To the extent that this information was filed voluntarily, it is presented in this table.

NOTE: Detail may not add to total because of rounding.

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Table 3.--All Decedents: Number of Returns and Gross Estate, by Sex and Marital Status of Decedent, and by Size of Gross Estate

[All figure are estimates based on samples--money amounts are in thousands of dollars]

Marked and a selection		All de	Male d	Male decedents		
Marital status and size of gross estate	Number of	Gross	Estate tax a	fter credits	Number of	Cross
en e	returns	estate	Number of returns	Amount	returns	estate
	(1), .	(2)	(3)	(4)	(5)	(6)
All decedents, total	63,251 34,744 19,266 9,241	50,390,376 13,195,025 13,191,296 24,004,055	35,148 17,105 11,678 6,364	5,169,985 571,509 1,201,280 3,397,196	38,774 20,613 12,108 6,053	32,429,386 7,796,981 8,308,250 16,324,155
Married decedents, total	33,835 17,851 10,651 5,333	28,552,205 6,714,958 7,355,501 14,481,745	8,210 2,048 3,521 2,641	1,347,915 43,363 244,136 1,060,416	28,434 14,781 9,051 4,602	24,484,130 5,571,839 6,240,000 12,672,291
Widowed decedents, total. \$300,000 through \$500,000. \$500,001 under \$1,000,000. \$1,000,000 or more.	22,822 13,203 6,698 2,922	16,643,974 5,046,732 4,537,749 7,059,493	21,438 12,181 6,436 2,821	2,948,505 426,070 773,455 1,748,981	6,538 3,760 1,935 843	, 4,792,632, 1,424,793 1,297,715 2,070,124
Single decedents, total	4,171 2,418 1,081 672	3,164,920 944,034 719,638 1,501,248	3,399 1,852 926 620	525,194 71,056 101,049 353,088	**3,802 **2,073 **1,121 **608	**3,152,624 **800,349 **770,535; **1,581,740
Other decedents, total 1/ \$300,000 through \$500,000 \$500,001 under \$1,000,000 \$1,000,000 or more	2,423 1,272 836 315	2,029,278 489,301 578,407 961,570	2,101 1,023 795 282	348,370 31,019 82,640 234,711	** ** ** **	** ** ** **
Marital Status and Size	Male decedent	sContinued		Female de	ecedents	
of gross estate	Estate tax af	ter credits			Estate tax a	ter credits
· · · · · · · · · · · · · · · · · · ·	Number of returns	Amount	Number of returns	Gross estate	Number of returns	Amount
CONTRACTOR OF THE STATE OF THE	(7)	(8)	(9)	(10)	(11)	(12)
All decedents, total	15,661 6,115 5,860 3,686	2,506,160 195,602 530,683 1,779,875	24,478 14,130 7,158 3,189	17,960,990 5,398,044 4,883,046 7,679,900	19,488 10,991 5,818 2,678	2,663,825 ,375,907 ,670,597 1,617,321
Married decedents, total	6,510 1,234 2,966 2,309	1,156,205 25,904 204,277 926,024	5,401 3,070 1,600 731	4,068,075 1,143,120 1,115,501 1,809,454	1,701 814 554 332	191,711 17,460 39,859 134,392
Widowed decedents, total	6,071 3,394 1,864 813	809,522 122,395 214,150 472,977	16,284 9,443 4,763 2,078	11,851,342 3,621,939 3,240,034 4,989,369	15,367 8,787 4,572 2,008	2,138,982 303,674 559,305 1,276,003
Single and other 1/decedents, total \$300,000 through, \$500,000 \$500,001 under \$1,000,000 \$1,000,000 or more	**3,079 **1,486 **1,030 **563	**540,432 .**47,302 **112,257 .**380,873	**2,792 **1,617 **796 **379	**2,041,574 **632,986 **527,510 **881,078	**2,420 **1,390 **692 **339	**333,132' **54,773 **54,773 **71,432 **206,926

^{1/}Includes legally separated, divorced, and "Marital Status Unstated" decedents. **Data combined to avoid disclosure of information for specific returns.

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NOTE: Detail may not add to total because of rounding.

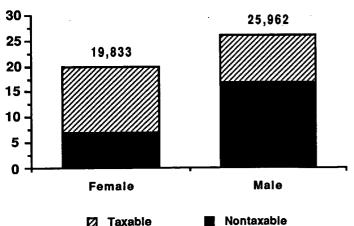
Estate Tax Returns, 1986-1988

by Barry W. Johnson

There were an estimated 45,800 U.S. citizens who died in 1986 with gross estates above \$500,000. These decedents made up almost 2.2 percent of the total U.S. decedent population for 1986 and had a combined total gross estate of over \$66 billion [1]. Their executors claimed over \$30 billion in allowable deductions. Just under half of these returns (or 22,000) were taxable, reporting a tax liability that totalled almost \$6.3 billion (see Figure A).

Figure A
1986 Decedents: Number of Returns
by Sex and Tax Status

Number of Returns (Thousands)



BACKGROUND

The Internal Revenue Service's Statistics of Income Division (SOI) samples estate tax returns in order to evaluate the effects of tax policies and to provide annual estimates of the financial characteristics of estate tax filers. Currently, an estate tax return can be filed up to 9 months after a decedent's death; a six month extension is available beyond

that. Thus, returns for a particular year of death may be filed over a period of several years. This means that the sample must span several years if estimates of a specific year of death are desired.

Year of death estimates are desirable for several reasons. Because of filing extensions and other delays, returns filed in any given year can represent decedents who died in many different years. This means that the estate tax return data for a filing year can reflect different economic and tax law conditions. By concentrating on a single year of death, these limitations can be overcome, making it possible to study the data in the context of a single time period.

This article presents data from returns filed in 1986-1988, focusing on 1986 as the year of death. Data for each of these filing years are also presented to facilitate comparisons with past SOI data, which presumed that filing year data were, in general, for decedents who had died the previous year. The main objective of the analysis, however, is to present an accurate portrayal of the estates of decedents who died in a specific year, 1986, regardless of when returns for their estates were filed [2].

History of the Estate Tax

The modern estate tax has been in effect since 1916. Estate and inheritance taxes, however, had been instituted periodically before this, usually to raise revenue during wartime. The estate tax is a tax on the transfer of assets from the decedent rather than on the value of assets inherited by a decedent's beneficiaries. The purpose of the tax is to raise revenue and to redistribute wealth in order to prevent the concentration of wealth [3]. While rates and filing requirements have varied since its inception, there

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^{*}Foreign Special Projects Section. Prepared under the direction of Michael Alexander, with assistance from Marvin Schwartz, Elizabeth Nelson, and Louise Woodburn.

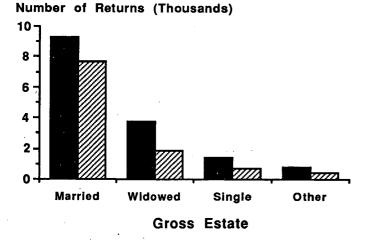
have been relatively few changes in the structure of the estate tax. Some modifications to the law have included a deduction for bequests to the surviving spouse and allowing for alternate valuation of assets should their value decrease shortly after death [4].

The most recent changes to the tax rates and filing requirement were due to the Economic Recovery Tax Act of 1981. This Act provided for increasing the filing requirement from \$175,000 in 1981 to \$600,000 by 1987. The top tax rate was to be lowered from 70 percent to 50 percent by 1985. Subsequent tax law changes have sustained a maximum rate of 55 percent until 1993. (For a more detailed summary of estate tax law changes, see Appendix I.)

1986 DECEDENTS

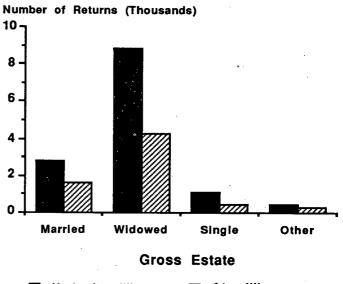
Males accounted for about 57 percent of the estate tax returns filed for 1986 decedents. The majority of these men were married, nearly half of whom had gross estates of \$1 million or more (see Figure B). In fact, the average size of a married male decedent's gross estate was \$1,715,216. Only 36 percent of returns filed for all male decedents showed any estate tax; as a group, they accounted for about 45 percent of the total tax reported.

Figure B
1986 Male Decedents: Number of Returns
by Size of Gross Estate and Marital Status



The majority of female decedents, on the other hand, were widowed (see Figure C). Although as a group women made up only 43 percent of the total 1986 estate tax population, 64 percent of their returns were taxable. Women accounted for almost 55 percent of the total estate tax reported, although their estates accounted for only 38 percent of the aggregate gross estate for 1986.

Figure C 1986 Female Decedents: Number of Returns by Size of Gross Estate and Marital Status

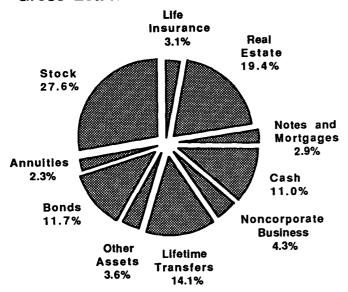


It is not surprising that the majority of female decedents were widowed, given that women in general have longer life expectancies than their male counterparts. The majority of married decedents leave the bulk of their estates to their spouses, thereby deferring some or all of the estate taxes until the death of the surviving spouses. Therefore, it is understandable that widowed female decedents would bear a larger share of the tax burden. It is interesting, however, that the average size of their estates was \$1,265,472, considerably lower than that of married male decedents. In fact, only about a third of widowed women had gross estates of \$1 million or more, again, far fewer than married men. It is not likely that these differences can be attributed entirely to consumption of the estate due to normal living expenses. This suggests (1) that many married men leave substantial bequests to survivors other than their spouse, and (2) that widowed women may be inclined to pass on property through gifts during their lifetime, rather than waiting until their deaths.

Assets

Overall, corporate stock, including the value of stock in closely held corporations, made up the largest portion of the total gross estate of 1986 decedents, almost 28 percent (see Figure D). Real estate was the second largest asset type, accounting for about 19 percent of gross estate. Lifetime transfers (for a definition, see Appendix II), bonds, and cash, in that order, accounted for substantial portions of the remaining gross estate for 1986 decedents.

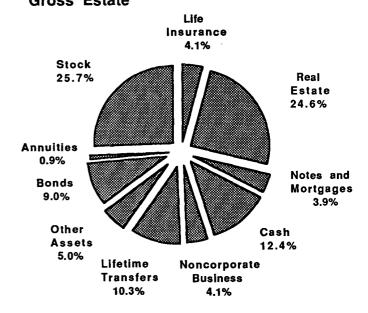
Figure D
1986 Decedents: Composition of Total
Gross Estate



A comparison of 1986 decedent data with data for 1982 decedents shows that the value of corporate stock, as a percentage of gross estate, has been almost constant (see Figure E) [5]. The value of real estate, however, decreased significantly between these two years. The decline in real estate for 1986 seems to have been offset by an increase in bond holding, specifically in tax-free municipal bonds, and in annuities, which include individual retirement arrangements (IRA's), Keogh self-employed retirement plans, and other tax deferred retirement instruments. Taxable transfers of property during the decedent's life also increased significantly. It is also interesting to note that the principal asset type for decedents with less than \$1 million in gross estate, in both years, was real estate, not stock.

Figure E

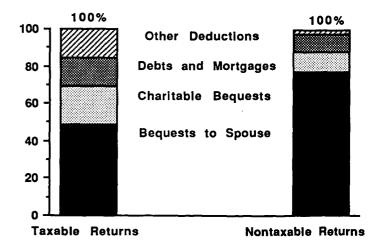
1982 Decedents: Composition of Total
Gross Estate



Deductions

The largest single deduction for 1986 decedents was for bequests to the surviving spouse. Under the current law, the executors of an estate for a decedent dying after 1981 can take an unlimited deduction from total gross estate for assets left to the surviving spouse. This deduction accounted for about 78 percent of the total allowable deductions for estates with no tax liability, and for almost 50 percent of the deductions for taxable estates (see Figure F). Bequests to charities were the second most significant

Figure F
1986 Decedents: Total Deductions by
Tax Status



deduction, accounting for 10 percent of allowable deductions for nontaxable returns and 20 percent for taxable. Estates with no tax liability gave more (as a percentage of their gross estates) to charities (7.5 percent) than did taxable estates (5.2 percent). Overall, decedents with larger gross estates, regardless of their tax status, tended to give a larger percentage of their assets to charities.

Alternate Valuation

Estate tax law allows for the valuation of assets at their value up to six months after the date of death if there is a decline in the value of some assets immediately following the decedent's death. (For a definition, see Appendix II.) Figure G shows data for all returns filed between 1986 and 1988, which include decedents who died in several different years. For 1986 decedents, 2,441 estates, or 5.4 percent, chose to use alternate valuation. The result was a decrease in the estate tax after credits from \$912 million to \$838 million, a savings of about 8 percent [6].

Because this analysis is limited to only those returns filed between_1986 and 1988, these data represent only a portion of those dying in 1987. However, even this advanced look at 1987 decedents shows that a much greater number of these estates (about 16 percent of those returns filed) elected alternate valuation. The use of alternate valuation for these decedent's returns caused reductions in their aggregate gross estate and estate tax after credits which were considerably higher than the corresponding reductions in the other years. This is almost certainly attributable to the dramatic decline in stock values which occurred in October of that year.

FILING YEAR DATA

Although data by year of death are clearly superior for many applications, data by filing year are not without merit. One of the chief benefits of filing year data is that they are available relatively quickly, unlike year of death data, which must be gathered over a period of several years. Availability of data on a timely basis is particularly important for tax administration and for analyzing the effects of changes in tax policies. Given that about two-thirds of the returns filed in a particular year are for decedents who died in the previous year, filing year data can be easily adapted for this type of analysis.

In 1988, almost 41,000 estate tax returns were filed; their combined total gross estate was about \$69 billion. This was nearly 27 percent more than the number of filers and combined gross estate reported in 1986 (see Figure H).

Converting all figures to 1986 dollars to adjust for the effects of inflation shows a true increase over this period of 16 percent in both the number of filers and size of gross estate [7]. Total deductions increased by about 15 percent. Estate tax before credits was over \$13 million in 1988, almost 18 percent higher than 1986. However, for the same period, estate taxes after credits fell nearly 6 percent. The drop in tax liability may be due, in part, to an increase in the unified credit during this period from \$121,800 for those dying in 1985 (filed mainly in 1986), to 192,800 for those dying after 1986 (see Appendix I).

SUMMARY

While the number of U.S. decedents with gross estates above \$600,000 (the filing requirement after

Figure G.—Returns with Gross Estate of \$500,000 or More at Time of Death: Use of Alternate Valuation Method by Year of Death, 1985 or prior through 1988

[Amounts are in millions of dollars]

	Year of death							
ltem -	1985 or prior ¹	1986 ²	1987 1	1988 ¹				
	(1)	(2)	(3)	(4)				
All returns	38,746	45,330	39,719	7,124				
Returns with alternate valuation used:	• •		•					
Number	1,356	2,441	6,281	623				
Percentage of total returns	3.5%	5.4%	15.8%	8.7%				
Total gross estate, date of death value	\$2,499	· \$4,729	\$11,820	\$1,114				
Total gross estate, alternate value	2,398	4,573	11,094	1,076				
Percentage reduction in gross estate	4.0%	3.3%	6.1%	3.4%				
Estate tax after credits (based on date of death value)	\$488	\$912	\$2,345	\$217				
Estate tax after credits (based on alternate value)	437	· 838	1,999	198				
Percentage reduction in tax	10.5%	8.1%	14.8%	8.8%				

Data represent only a portion of each of these populations because they are based only on returns filed in 1986-1988.

² In order to make them more comparable to the data shown for other years of death, 1986 data in Figure G have not been adjusted for missing returns (see the section on "Data Sources and Limitations").

Figure H.—Returns with Gross Estate of \$600,000 or more: Number of Returns, Gross Estate, Taxable Estate, and Estate Tax, by Filing Year, 1986–1988

[Amounts are in millions of dollars]

		Percentage			
ltem -	1986	1987	1988	increase, 1986–1988	
	(1)	(2)	(3)	(4)	
Number of returns	32,312	37,573	40,860	26.5%	
Total gross estate	\$54,441	\$62,455	\$69,065	26.9	
1986 constant dollars: Number of returns Total gross estate Total deductions. Taxable estate Estate tax before credits Estate tax after credits	33,597 \$56,770 27,660 29,246 11,389 6,446	37,459 \$62,233 29,665 32,841 12,864 6,328	39,057 \$65,856 31,851 34,157 13,413 6,090	16.3 16.0 15.2 16.8 17.8 - 5.5	

1986) increased over the period 1986-1988, along with the size of their aggregate total gross estate, the estate tax actually declined in real terms. For 1986 decedents, males, most of whom were married at the time of death, outweighed females both in terms of the number of filers and overall size of gross estate. Female decedents, however, most of whom were widowed, accounted for a larger share of the tax. Real estate was the most significant asset for decedents with less than \$1 million in total gross estate, but corporate stock supplanted it for wealthier decedents. The bequest to the surviving spouse was the largest deduction and was used by many executors to defer much or all of the tax owed on an estate until the death of the other married partner.

DATA SOURCES AND LIMITATIONS

The data presented in this article are estimates based on samples of returns filed in 1986, 1987, and 1988. These samples were limited to returns filed for decedents dying after 1981 with total gross estates of at least \$500,000. The sample for the 1986 filling year included 4,575 returns out of a total population of 42,172. In 1987, the year most returns for 1986 decedents were filed, 11,257 returns were sampled out of a total of 45,119. There were 5,437 returns out of 43,683 sampled during the 1988 filling year. The combined 1986-1988 sample contained 13,694 returns filed for 1986 decedents.

Sample Design

Estate tax returns were statistically sampled while the returns were being processed for administrative purposes, but before any audit examination. Thus, returns were selected on a flow basis using a stratified random probability sampling method, whereby the sample rates were preset based on the desired sample size and an estimate of the population. Current plans for estate tax statistics are based

on recurring cycles of 3 or 4 years, focusing on years of death ending in 2, 6, and 9 every decade (1982, 1986, 1989, ...), so that returns filed in consecutive years are combined to produce statistics for those specific years of death.

This structure accommodates the filing requirements which allow an estate to file an estate tax return up to 9 months after the decedent's death. although an additional 6 month extension is often attainable. Thus, the return for a decedent who died in December 1986 might not be timely filed until March 1988. The sample focuses on year of death rather than filing year to parallel the effective dates of tax law changes. Estate tax data based on year of death can also be more accurately used as the basis for computing wealth estimates of the living population by using the Estate Multiplier Technique [8]. Data gathered during the 1986-1988 filing years focus on 1986 decedents. Additionally, they can be used to estimate the financial characteristics of those filing in each of these three years.

Stratification Variables

Estate tax return data are collected using a stratified sample, the basic nature of which has not changed since it was first implemented in 1982. The design has three stratification variables: year of death, age at death and total gross estate. For the 1986-1988 filing years, the year of death variable is separated into 2 categories: 1986 year of death and non-1986 year of death. Age was broken down into four categories: under 40, 40 under 50, 50 under 65, and 65 and older (including age unknown). Total gross estate was limited to three categories: \$500,000 under \$1 million, \$1 million under \$5 million, and \$5 million or more. The non-1986 portion of the sample included only those decedents dying after 1981 with total gross estates of \$500,000 or more. Sampling rates ranged from 7 to 100 percent [9].

1986 Decedent Population Estimates

An examination of year of death by filing year for returns filed from 1982 through 1988 revealed that almost 99 percent of all returns for decedents dying in a given year are filed by the end of the second calendar year following the year of death. Further, the decedent's age at death and the length of time between the decedent's date of death and the filing of an estate tax return are related. It was therefore possible to adjust the sample weights of the 1986 decedents within age group to account for returns not filed within a 3 year period and, thus, unavailable for this sample.

Limitations

Because the data in this article are estimates based on samples, they are subject to sampling as well as nonsampling error. In order to use the statistical data properly, the magnitude of the potential sampling error should be considered. Estimates of the coefficients of variation (CV's) for frequency estimates can be obtained by writing the author at the following address:

Internal Revenue Service, Statistics of Income Division, R:S:F P.O. Box 2608 Washington, DC 20013-2608

APPENDIX I

TAX LAW CHANGES, 1981-1987

The data reported in this article have been influenced by three major pieces of tax legislation: the Economic Recovery Tax Act of 1981, the Tax Reform Act of 1986, and the Revenue Act of 1987.

Economic Recovery Tax Act of 1981

Changes in estate tax law as a result of the Economic Recovery Tax Act of 1981 applied to decedents who died after December 31, 1981. The major tax law change resulting from this Act was a gradual increase in the unified credit (see Appendix II), from \$47,000 in 1981 to \$192,800 by 1987. This had the effect of gradually increasing the filing requirement from \$175,000 to \$600,000. Figure I gives the filing requirements and associated unified credits for each of the years of death included in the 1986-1988 SOI sample.

This Act also abolished limits on the allowable

Figure I.—Unified Credit and Filing Requirements, by Year of Death

Year of death	Unified credit	Filing requirement
1982	\$ 62,800	\$225,000
1983	79,300	275,000
1984	96.300	325,000
1985		400,000
1986	155.800	500,000
1987 and thereafter		600,000

deduction for assets bequeathed to the surviving spouse, such that, all assets could be transferred to the spouse tax free. Additionally, the maximum estate tax rate was reduced from 70 percent on net (taxable) estate in excess of \$5 million in 1981, to 50 percent on net (taxable) estate in excess of \$2.5 million by 1985 [10]. The Tax Reform Act of 1984 delayed this reduction 3 years, keeping the highest rate at 55 percent on net (taxable) estate in excess of \$3 million, until 1987.

Tax Reform Act of 1986

The Tax Reform Act of 1986, first applicable to decedents dying in 1987, resulted in modifications to the tax treatment of "generation skipping trusts" (GST). These are trusts which provide for the splitting of benefits between two or more generations that are younger than the generation of the persons establishing the trusts, i.e., the "grantors." The changes simplified the tax rates and increased the amount a grantor can transfer into a GST tax free, known as the "specific exemption," from \$250,000 to \$1,000,000. Three specific "taxable events" were also defined: the distribution of property (income or corpus) from the trust to a beneficiary, a termination or expiration of a beneficiary's interest in a trust (usually due to death), or a direct skip or outright transfer of property to a person at least two generations younger than the grantor.

A third outcome of the 1986 Act was the establishment of the employee stock ownership plan (ESOP) deduction. It provided for a tax deduction equal to 50 percent of the proceeds resulting from the sale (by the estate) of employer securities back to the ESOP or to an eligible worker-owned cooperative (EWOC) [11].

Revenue Act of 1987

The Revenue Act of 1987 applied to decedent's dying after 1987. This Act delayed the reduction of the top estate tax rate from 55 percent to 50 percent until after 1992. It also phased out the graduated rates and unified credit for taxable estates larger than

\$10,000,000. This was achieved by adding 5 percent of any amount of taxable estate in excess of \$10,000,000 but not over \$21,040,000 to the estate tax before credits. At the \$21,040,000 level, the effects of the graduated rates and the unified credit are completely recaptured such that the entire estate is taxed at the maximum rate of 55 percent. (The additional tax was limited to taxable estates in excess of \$10,000,000 but not over \$18,340,000 for decedents dying after 1992 due to the lowering of the maximum estate tax rate to 50 percent by 1993.)

"Estate freeze" legislation was a third area affected by the Revenue Act of 1987. These "freezes" occur when an older family member transfers a disproportionately large share of the potential future appreciation in a family business (usually in the form of common stock) to a younger family member, but retains a disproportionately large share of the income or rights. This "freezes" the value of the company includable in the older family member's estate at its value on the date of the transfer. The 1987 legislation provided for including the full date-of-death value of any property transferred after December 17, 1987, in the older decedent's gross estate when this occurred.

Finally, the use of the ESOP deduction was more carefully defined and its use somewhat restricted in many cases. The deduction was limited to 50 percent of the taxable estate, with overall reduction of the estate tax due to this deduction limited to \$750,000 [12].

APPENDIX II

DEFINITIONS

Brief definitions of some of the terms used in the tables are provided below:

Adjusted Taxable Estate.--Adjusted taxable estate was equal to the sum of total taxable estate and adjusted taxable gifts.

Adjusted Taxable Gifts.—Certain gifts made during the life of an individual who died before 1982 were automatically included in the gross estate. However, for the estate of an individual who died after this, these gifts were not generally included in the gross estate. In these estates, the gifts were included in the amount of the adjusted taxable gifts and combined with adjusted taxable estate for the purposes of determining the "estate tax before credits."

Alternate Value of Gross Estate.--All property included in the gross estate could be valued at one of two points in time. While the value of the gross estate at the date of death determined whether an estate tax return had to be filed, the executor of the estate had the option of valuing the estate as of the date of death or 6 months thereafter. (Any property sold, exchanged or otherwise disposed of within 6 months was valued as of the date of the disposition.)

Annuities.—These were investments for which a person receives a fixed income for a set period of time and include assets related to pensions or retirement such as equity in a Keogh self-employed retirement plan or in individual retirement arrangements (IRA's).

Bequests to Surviving Spouse.—This was equal to the value of property interest passing from the decedent to the surviving spouse and was taken as a deduction from the "total gross estate."

Date-of-Death Value of Gross Estate.--The amount of property in this category was the fair-market value of all the assets at the time of death of the decedent. Although this value was used as a criterion for filing an estate tax return, it was not the only measure that could be used in valuing property for estate tax purposes. See also "alternate value of gross estate."

Estate Tax After Credits.--This was the tax liability of the estate remaining after subtraction of credits for State death taxes, foreign death taxes, and Federal gift taxes previously paid. In addition, a "unified credit," graduated according to the year of death and a "credit" for gift taxes paid on post-1976 gifts, is allowed. See also "unified credit."

Estate Tax Before Credits.—This was the tax obtained by applying the graduated estate tax rates to the adjusted taxable estate reduced by the amount of Federal gift taxes previously paid.

Federal Gift Taxes Previously Paid.--Credit was allowed against the estate tax for the Federal gift tax paid on a gift made by a decedent before 1977. No credit, apart from the unified credit, was allowed for any gift tax paid on gifts made after 1976.

Lifetime Transfers.--Included were two categories of gifts that, by law, had to be reported in total gross estate: gifts taking effect at death, and gifts of property in which the decedent retained some rights during his or her lifetime.

Net Worth.—Net worth was equal to the total gross estate less debts and mortgages.

Nontaxable Returns.--Nontaxable returns were those with no estate tax after credits.

Other Tax Credits.--The sum of all tax credits (other than the unified credit) taken as a deduction against the estate tax before credits. Those include credits for State death taxes, foreign death taxes, Federal gift taxes and taxes on prior transfers.

Tax on Prior Transfers.—A tax credit was allowed for Federal estate tax paid on property received by the decedent or the estate from a transferor who died within 10 years before, or 2 years after, the decedent. The credit was intended to lessen the burden of double taxation between successive estates whose owners had died within a short period of time. Depending on the time that elapsed between the deaths, a credit is allowed for all or part of the Federal estate tax paid by the transferor's estate with respect to the transfer.

Taxable Estate.—Taxable estate is the base to which the graduated Federal estate tax rates are applied in computing the estate tax before credits. Taxable estate is equal to the value of the "total gross estate" less deductions for the following: funeral and administrative expenses; casualty and theft losses; debts, mortgages, losses and other claims against the estate, including pledges to charitable organizations; bequests to the surviving spouse; and the ESOP deduction (included in the statistics for "other expenses and losses").

Taxable Returns.--Taxable returns were those with an amount of estate tax after credits.

Total Gross Estate.—An estate tax return was required in the case of every decedent whose gross estate exceeded the legal filing requirement in effect for the year of death. For estate tax purposes, the gross estate included all property or interest in property before reduction by debts (except policy loans against insurance) and mortgages, or by administrative expenses. Included in the gross estate were such items as real estate, tangible and intangible personal property, certain lifetime gifts made by the decedent, property in which the decedent had a general power of appointment, the decedent's interest in annuities receivable by the surviving beneficiary, the decedent's share in community

property, life insurance proceeds (even though payable to beneficiaries other than the estate), dower or courtesy of the surviving spouse (inherited property), and, with certain exceptions, joint estates with right of survivorship and tenancies by the entirety.

Unified Credit.—The unified credit, so called because it is used for both estate and gift tax purposes, is applied as a dollar for dollar reduction of the estate tax. (The unified credit represents the amount of tax on that part of gross estate which is below the filing requirement.) The credit must be used to offset gift taxes on lifetime transfers made after 1976. However, to the extent it is so used, the amount of credit available at death is reduced.

NOTES AND REFERENCES

- [1] Based on the number of deaths of U.S. residents in 1986 as reported by the National Center for Health Statistics.
- [2] All data for 1986 year of death will be for decedents with \$500,000 or more in total gross estate, the filing requirement for that year of death. Data presented for the 1986, 1987, and 1988 filing years will be for decedents with \$600,000 or more in gross estate, the filing requirement for decedents dying after 1986.
- [3] Office of the Secretary of the Treasury, Office of Tax Analysis, Legislative History of Death Taxation in the United States, 1963, Unpublished Manuscript.
- [4] Bentz, Mary, "Estate Tax Returns, 1983," Statistics of Income Bulletin, Fall 1984, Volume 4, Number 2.
- [5] 1982 figures were converted to constant 1986 dollars using the implicit price deflator for gross national product, *Economic Report of the President*, U.S. Government Printing Office, Washington, DC, 1990. Only returns with \$500,000 or more of gross estate in 1986 dollars were included.
- [6] The reduction in estate tax for decedents using alternate valuation was estimated using the value of all assets on the date of death as reported on their returns.

- [7] Figures for each filing year were converted to constant 1986 dollars based on decedents' dates of death, using the implicit price deflator for gross national product.
- [8] Schwartz, Marvin, and Johnson, Barry, "Estimates of Personal Wealth, 1986," *Statistics of Income Bulletin*, Spring 1990, Volume 9, Number 4.
- [9] Woodburn, Louise, and Johnson, Barry, "Analyzing the Weighting Strategy for the Statistics of Income 1987 Estate Study," American Statistical Association Proceedings,

- 1989, Section on Survey Research Methods.
- [10] Impact of the Economic Recovery Tax Act of 1981 on Estate Planning and Administration, Program Material, California Continuing Education of the Bar, Berkeley, CA, 1982.
- [11] U.S. Congress, Joint Committee on Taxation, General Explanation of the Tax Reform Act of 1986, 1987.
- [12] A Complete Guide to the Revenue Act of 1987, Prentice Hall, Paramus, NJ, 1988.

Table 1.—Returns Filed in 1986: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate

	,			Type of	property 1	
Size of gross estate	Number of returns	Gross estate	Real	estate	. Corpor	ate stock
	15.63.15		Number	Amount	Number	Amount
	(1)	. (2)	(3)	(4)	(5)	(6)
All returns, total	42,125	59,805,047	32,806	12,361,635	33,747	17,029,085
\$500,000 under \$600,000	9,860	5,410,957	7,652	1,254,260	7,551	1,120,177
\$600,000 under \$1,000,000		13,024,272	12,864	2,969,008	13,493	2,929,218
\$1,000,000 under \$2,500,000	11,044	16,417,148	8,775	3,546,220	9,158	4,234,207
\$2,500,000 under \$5,000,000	, 2,819	9,732,378	2,429	2,390,843	2,437	2,775,647
\$5,000,000 under \$10,000,000	863	5,789,508	751	985,747	767	2,174,287
\$10,000,000 or more	: 390	9,430,785	334	1,215,556	" 343	3,795,549
Taxable returns, total	23,731	37,639,623	17,172	7,004,646	18,790	11,845,773
\$500,000 under \$600,000	5.031	2,764,310	3,553	567.542	3.885	- 628,786
\$600,000 under \$1,000,000	9.223	7.003.677	6,346	1,467,475	6.867	1,608,301
\$1,000,000 under \$2,500,000	6.798	10.236.947	4.888	2,188,970	5,708	2.888.550
\$2,500,000 under \$5,000,000	1,780	5.998.095	1,602	1.254.600	1.536	2,027,232
\$5,000,000 under \$10,000,000	594	3.988.457	518	659,733	527	1,447,025
\$10,000,000 or more	305	7,648,138	264	866,326	267	3,245,878
Nontaxable returns, total	18,393	22,165,424	15,634	5,356,989	14,957	5,183,312
\$500,000 under \$600,000	4.828	2.646.647	4,100	686,718	3.666	491,391
\$600,000 under \$1,000,000	7,927	6.020.595	6,518	1,501,533	6.626	1,320,917
\$1,000,000 under \$2,500,000	4,245	6,180,201	3.887	1,357,250	3,450	1,345,656
\$2,500,000 under \$5,000,000	1,038	3,734,283	826	1,136,243	901	748,414
\$5,000,000 under \$10,000,000	269	1.801.051	233	326,014	239	727.261
\$10,000,000 or more	85	1.782.647	70	349,230	76 ·	549.671

				Type of prope	rty ¹ (continued)			
Size of gross estate		vings bonds	Other Fed	leral bonds	State and	ocal bonds		porate gn bonds ¹
	Number	Amount	Number	Amount [*]	Number	Amount	Number	Amount
	Ø	(8)	(9)	(10)	(11)	(12)	(13)	(14)
All returns, total	6,308	321,594	10,365	1,656,896	16,806	3,927,904	10,350	408,766
\$500,000 under \$600,000	1,851 2,945 1,196 207 83 27	67,462 102,242 81,795 63,555 5,386 1,155	2,526 4,461 2,014 998 248 117	199,878 393,036 249,980 392,054 133,953 287,995	2,778 6,616 5,217 1,448 508 239	215,993 666,386 1,174,120 624,985 524,669 721,750	1,948 3,843 3,366 855 212 125	64,623 166,470 76,249 44,652 18,784 37,986
Taxable returns, total	3,728	233,223	6,726	1,129,474	9,633	2,669,581	6,478	270,596
\$500,000 under \$600,000	896 1,731 840 173 64 24	27,595 63,814 76,563 59,471 4,718 1,062	1,429 2,770 1,513 703 208 103	82,205 273,718 183,390 223,817 110,840 255,504	1,246 3,611 3,202 1,040 335 198	86,545 403,510 771,458 402,626 364,444 640,998	1,293 2,069 2,331 528 158 99	54,079 98,896 49,349 23,390 15,756 29,125
Nontaxable returns, total	2,580	88,372	3,639	527,422	7,173	1,258,323	3,872	138,170
\$500,000 under \$600,000	955 1,214 356 34 19 3	39,867 38,428 5,232 4,084 668 92	1,097 1,691 502 295 40 13	117,673 119,319 66,591 168,236 23,113 32,490	1,532 3,005 2,015 407 172 41	129,448 262,876 402,662 222,360 160,226 80,753	655 1,774 1,035 327 55 26	10,544 67,574 26,900 21,262 3,028 8,861

Table 1.—Returns Filed in 1986: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	_			Type of prope	rty ¹ (continued)			
Size of gross estate	C	ash	Notes and	I mortgages	Life ins	surance	Ann	nuities
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
All returns, total	40,957	6,853,250	14,663	1,917,115	23,741	1,866,223	11,244	1,349,834
\$500,000 under \$600,000	9,582 16,569 10,762 2,813 850 381	1,272,978 1,962,719 1,967,223 847,626 353,970 448,734	2,998 5,436 4,096 1,460 446 228	185,034 465,190 518,237 357,904 145,415 245,335	5,489 9,819 6,500 1,223 489 221	246,782 669,732 636,024 173,768 88,900 51,017	2,412 4,446 3,227 862 202 94	115,469 424,826 599,834 101,277 64,763 43,666
Taxable returns, total	23,165	4,618,460	8,513	1,167,911	11,093	559,341	3,848	440,930
\$500,000 under \$600,000	4,876 9,015 6,611 1,778 584 301	786,930 1,270,845 1,365,257 556,813 260,631 377,984	1,715 2,993 2,535 773 325 172	107,627 242,489 341,360 220,625 99,604 156,207	2,293 4,010 3,655 676 291 170	56,974 162,813 182,631 58,618 58,885 39,421	811 1,098 1,246 512 112 69	29,458 59,676 220,734 61,091 32,795 37,177
Nontaxable returns, total	17,792	2,234,790	6,150	749,204	12,647	1,306,882	7,396	908,904
\$500,000 under \$600,000	4,707 7,554 4,151 1,034 265 80	486,047 691,874 601,966 290,813 93,340 70,750	1,282 2,443 1,561 687 121 56	77,408 222,702 176,877 137,279 45,811 89,128	3,196 5,810 2,845 547 198 52	189,808 506,919 453,393 115,150 30,016 11,597	1,601 3,348 1,982 350 91 25	86,011 365,150 379,101 40,186 31,968 6,490

			Type of prope	rty ¹ (continued)			
Size of gross estate		rporate is assets		old goods or assets	Lifetime transfers		
	Number	Amount	Number	Amount	Number	Amount	
	(23)	(24)	(25)	(26)	(27)	(28)	
All returns, total	11,202	2,069,860	38,017	2,346,169	8,581	7,696,716	
\$500,000 under \$600,000	1,985	71,380	8,319	182,463	1,308	414,458	
\$600,000 under \$1,000,000	4,005	333,726	15,433	471,664	3,501	1,470,053	
\$1,000,000 under \$2,500,000	3,613	583,716	10,274	725,689	2,706	2,023,854	
\$2,500,000 under \$5,000,000	1,020	270,364	2,787	427,553	625	1,262,150	
\$5,000,000 under \$10,000,000	378	333,458	826	204,844	255	755,332	
\$10,000,000 or more	202	477,216	377	333,955	185	1,770,869	
Taxable returns, total	5,450	1,044,364	21,359	1,513,033	5,741	5,142,291	
\$500,000 under \$600,000	868	28,534	4,087	87,792	728	220,242	
\$600,000 under \$1,000,000	1,524	88,735	8,288	249,870	2,454	1,013,536	
\$1,000,000 under \$2,500,000	2,086	279,637	6,341	406,782	1,790	1,282,268	
\$2,500,000 under \$5,000,000	574	113,401	1,772	347,868	420	648,542	
\$5,000,000 under \$10,000,000	252	196,720	576	158,415	192	578,893	
\$10,000,000 or more	146	337,338	296	262,307	156	1,398,810	
Nontaxable returns, total	5,752	1,025,495	16,657	833,135	2,840	2,554,425	
\$500,000 under \$600,000	1,117	42,846	4,232	94,671	581	194,216	
\$600,000 under \$1,000,000	2,481	244,991	7,146	221,794	1,047	456,518	
\$1,000,000 under \$2,500,000	1,527	304,080	3,934	318,908	916	741,586	
\$2,500,000 under \$5,000,000	446	156,963	1,015	79,685	205	613,608	
\$5,000,000 under \$10,000,000	126	136,738	250	46,430	63	176,439	
\$10,000,000 or more	56	139,878	81	71,648	29	372,059	

Table 1.—Returns Filed in 1986: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

				Type of o	deductions			
Size of gross estate	Total allowable deductions		Funeral	Funeral expenses		Executors' commissions		ys' fees
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
All returns, total	42,124	28,312,932	39,318	177,351	15,615	533,565	27,200	591,174
\$500,000 under \$600,000	9,860	1,745,578	8,869	34,701	3,029	37,552	6.156	62,408
600,000 under \$1,000,000	17,148	5,073,628	16,279	66,670	6,079	101,782	10,847	145,660
51,000,000 under \$2,500,000	11,044	7,376,246	10,275	51,428	4.485	142,835	7.193	164,725
2,500,000 under \$5,000,000	2,819	5,016,097	2,698	15.820	1,355	92.395	2,122	91,213
5,000,000 under \$10,000,000	863	3,017,281	823	5,369	455	67,877	597	53,332
\$10,000,000 or more	390	6,084,101	374	3,364	. 213	91,123	286	73,835
Taxable returns, total	23,730	10,372,995	23,113	98,407	13,047	480,838	20,793	498,292
500,000 under \$600,000	5,031	187,764	4,885	17,838	2.281	28,489	4,239	43,158
600,000 under \$1,000,000	9,222	705,436	9.065	34,016	5,084	89,448	8,289	116,287
1,000,000 under \$2,500,000	6,798	2,276,971	6,581	29.612	3.972	131,688	5.900	143,400
2,500,000 under \$5,000,000	1,780	1,582,387	1,700	10,523	1,096	79,252	1,582	75,510
5,000,000 under \$10,000,000	594	1,300,729	582	. 3,856	419	64,543	531	49,791
10,000,000 or more	305	4,319,708	299	2,563	196	87,418	251	70,147
Nontaxable returns, total	18,393	17,939,937	16,205	78,944	. 2,568	52,727	6,407	92,882
500,000 under \$600,000	4.828	1,557,814	3.984	16,863	748	9.063	1.917	19.251
600,000 under \$1,000,000	7,927	4,368,192	7.214	32,654	995	12,335	2,558	29,374
1,000,000 under \$2,500,000	4,245	5,099,275	3,694	21.816	513	11,147	1,293	21,325
2,500,000 under \$5,000,000	1,038	3,433,710	998	5,297	259	13.142	540	15,703
5,000,000 under \$10,000,000	269	1,716,552	240	1,513	36	3.334	66	3,541
10,000,000 or more	85	1,764,393	75	801	18	3,706	34	3.688

				Type of deduct	ions (continued)			
Size of gross estate	Other expens	es and losses	Debts and	mortgages	Charitab	e bequests	Bequests to	surviving spouse
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)
All returns, total	31,337	370,141	35,890	2,941,675	7,835	3,573,298	20,010	20,125,729
\$500,000 under \$600,000	7,177 12,847 8,284 2,082 638 309	29,957 76,026 112,004 61,795 39,088 51,271	7,975 14,314 9,764 2,650 819 368	168,437 527,306 937,079 492,645 292,578 523,630	1,647 3,073 2,047 580 310 177	142,739 518,105 563,494 665,076 389,902 1,293,982	3,891 7,866 5,837 1,701 470 244	1,269,784 3,638,079 5,404,682 3,597,154 2,169,135 4,046,895
. Taxable returns, total	22,220	324,090	21,863	1,435,279	5,339	1,858,189	4,284	5,677,899
\$500,000 under \$600,000 \$600,000 under \$1,000.000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	4,724 8,703 6,325 1,645 551 271	21,180 58,007 99,528 58,698 37,328 49,351	4,467 8,480 6,348 1,692 582 293	52,493 190,417 417,525 239,777 183,198 351,868	1,114 1,852 1,524 429 263 157	8,995 76,137 112,242 350,149 248,123 1,062,542	*301 953 1,912 735 219 164	*15,611 141,124 1,342,978 768,478 713,890 2,695,818
Nontaxable returns, total	9,117	46,050	14,027	1,506,396	2,496	1,715,108	15,727	14,447,830
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	2,452 4,144 1,959 437 87 38	8,777 18,019 12,476 3,097 1,761 1,920	3,508 5,834 3,415 , 958, 237 75	115,944 336,889 519,554 252,868 109,380 171,762	533 1,222 523 151 47 20	133,744 441,968 451,252 314,927 141,779 231,439	3,590 6,913 3,926 966 251 81	1,254,173 3,496,955 4,061,704 2,828,676 1,455,245 1,351,077

Table 1.—Returns Filed in 1986: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	Taxable	estate	Adjusted to	exable gifts	Adjusted ta	ixable estate
Size of gross estate	Number	Amount	Number	Amount	Number	Amount
	(45)	(46)	(47)	(48)	(49)	(50)
All returns, total	38,054	31,634,721	3,650	438,433	38,124	32,073,154
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	2,715	3,677,406 7,987,893 -9,120,395 4,723,645 2,772,242 3,353,142	348 667 1,533 650 276 177	27,318 51,858 173,350 56,195 53,491 76,221	8,572 15,266 10,354 2,717 839 385	3,704,724 8,039,751 9,293,745 4,779,839 2,825,733 3,429,362
Taxable returns, total	23,716	27,266,628	2,991	386,429	23,731	27,653,057
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	9,223 6,783 1,780 594	2,576,546 6,298,241 7,959,976 4,415,707 2,687,728 3,328,430	*246 513 1,209 629 238 155	*21,894 43,127 147,012 53,909 48,274 72,214	5,031 9,223 6,798 1,780 594 305	2,598,440 6,341,368 8,106,988 4,469,616 2,736,002 3,400,644
Nontaxable returns, total	14,338	4,368,093	659	52,004	14,402	4,420,097
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more		1,100,860 1,689,652 1,160,419 307,937 84,513 24,712	*101 *154 323 21 38 22	*5,424 *8,731 26,338 2,286 5,218 4,007	3,541 6,043 3,556 937 246 80	1,106,284 1,698,383 1,186,757 310,223 89,731 28,718

	Estate tax b	pefore credit	Allowable u	nified credit	Other ta	x credits	Estate tax	after credits
Size of gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)
All returns, total	38,134	12,074,359	38,033	4,243,093	25,166	1,448,193	23,731	6,383,073
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	8,572 15,266 10,354 2,717 839 385	1,148,731 2,588,502 3,293,994 1,964,293 1,326,867 1,751,972	8,572 15,219 10,301 2,717 839 385	941,185 1,652,598 1,195,012 309,254 99,871 45,173	5,491 9,670 7,168 1,910 621 306	57,812 176,293 333,522 257,912 222,930 399,723	5,031 9,223 6,798 1,780 594 305	149,734 759,611 1,765,460 1,397,128 1,004,066 1,307,076
Taxable returns, total	23,731	10,747,687	23,631	2,932,540	23,233	1,432,073	23,731	6,383,073
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	5,031 9,223 6,798 1,780 594 305	815,856 2,081,050 2,936,763 1,870,358 1,300,008 1,743,652	5,031 9,175 6,745 1,780 594 305	612,060 1,152,071 841,908 216,366 73,240 36,895	4,851 9,025 6,690 1,776 589 301	54,062 169,369 329,395 256,864 222,702 399,682	5,031 9,223 6,798 1,780 594 305	149,734 759,611 1,765,460 1,397,128 1,004,066 1,307,076
Nontaxable returns, total	14,402	1,326,672	14,402	1,310,553	1,933	16,120	i –	_
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	3,541 6,043 3,556 937	332,875 507,452 357,232 93,935	3,541 6,043 3,556 937	329,125 500,527 353,104 92,887	639 645 478 134 32	3,750 6,924 4,127 1,048 228	- - - -	- - - -
\$5,000,000 under \$10,000,000 \$10,000,000 or more	246 80	26,859 8,320	246 80	26,631 8,278	5	42	} _	_

¹ The types of property shown in columns 3 through 26 exclude lifetime transfers shown in columns 27 and 28. Estimate should be used with caution because of the small number of sample estate returns on which it is based. NOTE: Detail may not add to totals because of rounding.

Table 1B.—Returns Filed in 1987: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate

	Gross		N. Peda II.	Type of	property 1	
Size of gross estate	Gioss	estate.	Real	estate	Corpor	ate stock
	Number	Amount	Number	Amount *	Number	Amount
	(1)	(2)	(3)	(4) :	(5)	(6)
All returns, total	45,113	66,564,120	35,519	12,826,579	34,987	18,667,760
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	20,148 12,976	4,137,905 15,282,203 18,968,685 10,196,669 6,721,123 11,257,535	5,803 15,597 10,568 2,315 831 404	1,038,839 3,690,249 4,173,277 1,632,661 1,047,989 1,243,564	5,495 15,225 10,561 2,410 867 429	829,035 3,531,641 4,905,480 3,043,895 2,304,538 4,053,172
Taxable returns, total	21,335	37,758,944	15,907	6,274,688	16,969	11,809,870
\$500,000 under \$600,000	1,511 10,113 6,884 1,816 663 349	864,256 7,727,584 10,178,448 6,291,095 4,486,060 8,211,502	1,003 7,381 5,350 1,347 538 288	169,628 1,760,126 2,040,731 861,764 618,985 823,455	1,113 7,828 5,669 1,474 574 311	204,261 2,003,033 2,971,456 41,846,195 1,586,613 3,198,313
Nontaxable returns, total	23,778	28,805,176	ո19,612 🚶 է	6,551,891	18,019	6,857,890
\$500,000 under \$600,000	6,035 10,036 6,093 1,143 338 135	3,273,649 7,554,619 8,790,237 3,905,574 2,235,063 3,046,034	4,799 8,216 5,218 968 294 117	869,211 1,930,124 2,132,546 770,898 429,004 420,109	4,382 7,397 4,892 936 294 119	624,774 1,528,607 1,934,024 1,197,699 717,925 854,859

	,			1 Type of proper	rty 1 (continued)			
Size of gross estate	Federal sa	vings bonds	Other Fed	leral bonds		local bonds		porate gn bonds ¹
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(7)	. (8)	(9)	(10)	(11)	(12)	(13)	. (14)
All returns, total	6,552	289,692	9,990	1,658,980	18,361	5,028,636	10,679	567,412
\$500,000 under \$600,000 \$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,153 3,454 1,603 215 77 50 3,322 167 1,933 1,005 124 55	52,976 134,678 78,326 11,926 5,581 6,205 173,621 13,040 85,312 57,540 8,092 4,649 4,988	1,512 4,510 2,973 611 254 129 5,360 379 2,419 1,876 391 196 98	144,140 447,566 461,775 196,043 162,587 246,869 1,041,870 34,410 226,866 306,335 151,726 130,093 192,440	1,994 7,289 6,519 1,679 588 292 9,463 441 3,635 3,632 1,126 412 217	165,604 847,363 1,589,636 924,554 633,913 867,566 3,282,443 50,516 480,268 942,484 657,222 489,491 662,461	1,435 4,954 3,154 728 275 133 5,699 328 2,679 1,939 456 195	42,826 203,723 146,333 77,379 55,733 41,417 318,375 10,768 101,259 91,941 54,639 29,389 30,379
Nontaxable returns, total	3,230	116,070	4,630	617,109	8,898 · .	1,746,193	4,981	249,037
\$500,000 under \$600,000	986 1,521 598 91 22 13	39,935 49,366 20,786 3,834 932 1,216	1,133 2,092 1,097 220 58 31	109,730 220,699 155,440 44,317 32,494 54,429	1,552 3,654 2,888 553 176 75	115,087 367,095 647,152 267,332 144,422 205,105	1,107 2,275 1,214 272 80 31	32,059 102,465 54,392 c 22,740 26,344 11,038

Table 1B.—Returns Filed in 1987: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

				Type of proper	rty ¹ (continued)			
Size of gross estate	C	ash	Notes and	mortgages	Life ins	surance	Ann	uities
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
All returns, total	43,726	7,212,155	13,290	1,823,663	24,489	1,989,999	11,981	1,494,069
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	7,308 19,535 12,588 2,860 966 469	885,749 2,605,210 2,201,177 710,316 379,830 429,873	1,883 5,300 4,356 1,109 412 229 6,008	125,165 418,789 580,374 271,028 146,356 281,951 837,304	4,348 10,498 7,107 1,700 545 291	181,981 642,247 741,489 257,014 97,164 70,104 556,505	1,991 4,701 3,971 892 289 137	112,099 389,101 565,103 260,140 100,058 67,567 460,585
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,457 9,833 6,749 1,751 645 341	197,331 1,565,746 1,483,110 415,784 259,021 315,700	315 2,634 2,016 618 258 167	24,513 184,137 245,614 145,408 92,592 145,039	652 4,148 2,965 899 325 199	20,307 147,885 190,808 95,126 48,576 53,802	323 1,373 1,368 425 152 83	13,578 88,258 158,730 110,437 44,232 45,351
Nontaxable returns, total	22,951	2,975,464	7,282	986,360	15,302	1,433,494	8,257	1,033,484
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	5,851 9,702 5,839 1,109 321 129	688,418 1,039,464 718,067 294,532 120,810 114,173	1,568 2,666 2,340 491 154 62	100,652 234,651 334,760 125,620 53,764 136,913	3,697 6,350 4,142 801 221 91	161,674 494,362 550,680 161,888 48,588 16,302	1,669 3,327 2,603 467 138 54	98,521 300,843 406,373 149,703 55,826 22,217

			Type of prop	erty 1 (continued)			
Size of gross estate		orporate ss assets		old goods ner assets	Lifetime transfers		
	Number	Amount	. Number	Amount	Number	Amount	
	(23)	(24)	(25)	(26)	(27)	(28)	
All returns, total	11,354	2,736,870	40,947	2,515,953	8,889	9,752,348	
500.000 under \$600.000	1,408	86.783	6,775	153,612	968	319,095	
00.000 under \$1.000.000	4,217	313,008	18,126	572,545	3,519	1,486,081	
.000.000 under \$2.500.000	3,861	636,369	11,903	682,510	2,846	2,206,834	
2.500.000 under \$5.000.000	1,141	373,656	2,734	391,079	1,006	2,046,977	
5,000,000 under \$10,000,000	456	352,830	943	291,349	345	1,143,195	
10,000,000 or more	272	974,222	466	424,859	206	2,550,166	
Taxable returns, total	4,297	1,119,790	19,397	1,464,381	4,602	6,182,818	
00.000 under \$600.000	105	9,971	1,315	28,973	235	86,959	
00,000 under \$1,000,000	1,671	112,039	9,073	292,221	1,775	680,432	
,000,000 under \$2,500,000	1,444	207,941	6,364	337,816	1,494	1,143,940	
,500,000 under \$5,000,000	605	181,611	1,673	261,438	699	1,501,653	
5,000,000 under \$10,000,000	287	192,926	633	203,726	246	785,768	
0,000,000 or more	184	415,302	339	340,207	153	1,984,066	
Nontaxable returns, total	7,057	1,617,079	21,551	1,051,572	4,287	3,569,530	
00.000 under \$600.000	1.302	76,812	5,460	124,639	733	232,136	
00.000 under \$1.000,000	2.546	200,970	9,054	280,324	1,744	805,648	
.000.000 under \$2.500.000	2,417	428,428	5,538	344,694	1,352	1,062,894	
.500.000 under \$5.000,000	536	192,045	1,060	129,641	307	545,324	
.000.000 under \$10.000.000	169	159,904	311	87,623	99	357,426	
0.000.000 or more	87	558,920	128	84,652	53	566,100	

Table 1B.—Returns Filed in 1987: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

.#		, mag. ;		'Type of	deductions			4.7
Size of gross estate	Total allowabl	e deductions	Funeral	expenses	Executors'	commissions	Attorn	eys' fees
• •	· Number ·	Amount -	Number	• Amount	, Number	- Amount	Number	- Amount
el.	(29)	(30)	(31) -	(32)	1 - (33)	(34)	(35)	(38)
All returns, total	45,084	30,873,408	42,246	199,666	16,128	612,728	27,634	622,491
500,000 under \$600,000	7,521	1,267,861	6,996	29,628	1,988	24,442	4,155	39,369
500,000 under \$1,000,000	20,148 :	5,016,183	18,939	- 83,750	6,718	118,315	12,420	172,292
,000,000 under \$2,500,000	12,972	8,528,280	12,091	57,306	5,211	178,440	8.166	189,086
2,500,000 under \$5,000,000	2,959	5,201,065	2,811	17,272	1,429	105,160	1.866	88,342
5,000,000 under \$10,000,000	1,000 53,		946	6,255	526	78,933	685	58,627
10,000,000 or more	484	7,319,018	462	5,454	. 256	107,438	342	74,774
Taxable returns, total	21,330	9,769,281	20,683	96,751	12,387	513,325	18,567	494,473
500,000 under \$600,000	1,511	·> 40,782	1,442	5.638	587	6.088	1,248	12.026
600,000 under \$1,000,000	10,113	614,134	9,797	413567	5,357	95.049	8,766	132,106
,000,000 under \$2,500,000	6,879 💀 🕛	1,688,643	6,701	**30,591	4,483	157,120	6,151	155,596
,500,000 under \$5,000,000	1,816	1,668,236	1,764	10,611	1,262	89,368	1,533	76,239
5,000,000 under \$10,000,000	663	1,437,801	641	4,091	469	69,731	576	50,708
0,000,000 or more	349	4,319,685	339	4,253	' 230	95,968	293	67,798
Nontaxable returns, total	23,753	21,104,127	21,563	102,915	3,742	99,403	9,067	128,018
00,000 under \$600,000	6,010	1,227,079	. 5,554	23,991	1,402 ·	18,354	2.908	27.343
600,000 under \$1,000,000	10,036	4,402,049	9,143	42,184	1,362	23,266	3.654	40.186
,000,000 under \$2,500,000	6,093	· 6,839,637	5,390	26,715	728	21,320	2.015	33,490
,500,000 under \$5,000,000	· 1,143	3,532,830	1,048	6,661	167	15,792	332	12,103
,000,000 under \$10,000,000	338	2,103,200	305	2,164	58	9,202	109	7,919
0,000,000 or more	** 135	2,999,333 %	124	1/1,201	26	11,469 -	49	6,977
				· Type of deduct	ions (continued)			
Size of gross estate	Other expense	s and losses	Debts and	mortgages	Charitable	bequests	Bequests to su	rviving spouse

	·			- Type of deduct	tions (continued)			
Size of gross estate	Other expen	ses and losses	Debts and	i mortgages	Charitab	e bequests	Bequests to s	surviving spouse
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(37)	(38)	(39)	(40)	(41)	(42)	(43)	. (44)
All returns, total	32,874	443,176	38,067	3,566,565	8,987	3,978,020	20,191	21,540,909
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Taxable returns, total \$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	5,337 14,695 9,537 2,167 755 383 20,380 1,408 9,687 26,646 1,708	23,272 98,512 114,431 69,702 45,019 92,239 356,981 5,901 70,076 92,825 58,601	6,119 16,782 11,122 2,669 919 457 19,457 1,371 8,982 6,417 7,11,712	154,099 634,520 990,639 \$85,704 434,473 767,130 1,461,378 9,338 156,463 363,806 249,955	1,297 3,496 2,875 770 338 212 4,886 196 1,872 1,856 515	93,154 640,611 858,208 504,899 402,273 1,478,876 1,797,661 948 50,399 226,676 178,285	2,795 8,117 6,730 1,680 572 296 2,927 17 605 1,225 646	903,963 3,269,768 6,155,216 3,832,111 2,566,744 4,793,107 5,050,236 843 68,473 663,290 1,005,438
\$5,000,000 under \$10,000,000 \$10,000,000 or more	614 317	41,654 87,923	639 337	224,535 457,281	. 271 177	222,790 1,118,563	261 173	824,292 2,487,899
Nontaxable returns, total	12,493	86,195	18,610	2,105,187	4,101	2,180,359	17,264	16,490,674
\$500,000 under \$600,000 \$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 ûnder \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 or more.	3,929 5,008 2,891 458 141 67	17,371 28,436 21,606 11,101 3,365 4,316	4,748 7,800 44,705 280 121	144,761 478,057 626,833 335,750 209,938 309,849	1,102 1,624 1,019 255 67 34	92,206 590,212 631,531 326,614 179,483 360,313	2,778 7,512 5,506 1,034 312 123	903,120 3,201,295 5,491,926 2,826,673 1,762,452 2,305,208

Table 1B.—Returns Filed in 1987: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	Taxab	le estate	Adjusted to	exable gifts	Adjusted ta	xable estate
Size of gross estate	Number	Amount	Number	Amount	Number	Amount
	(45)	(46)	(47)	(48)	(49)	(50)
All returns, total	40,874	35,913,662	3,648	541,366	40,935	36,455,028
500,000 under \$600,000	6,490	2,911,369	265	18,846	6,511	2,930,215
600,000 under \$1,000,000	18,201	10,296,891	958	94,145	18,223	10,391,036
1,000,000 under \$2,500,000	11,914	10,515,784	1,238	153,989	11,922	10,669,773
2,500,000 under \$5,000,000	2,828	5,067,695	650	107,674	2,834	5,175,369
5,000,000 under \$10,000,000	969	3,180,200	317	78,092	972	3,258,292
10,000,000 or more	473	3,941,723	220	88,621	473	4,030,344
Taxable returns, total	21,335	27,989,656	2,550	447,123	21,335	28,436,779
500,000 under \$600,000	1,511	823,473	114	6,746	1,511	830,219
500,000 under \$1,000,000	10,113	7,113,447	581	71,841	10,113	7,185,288
1,000,000 under \$2,500,000	6,884	8,489,803	866	118,728	6,884	8,608,531
2,500,000 under \$5,000,000	1,816	4,622,858	558	96,819	1,816	4,719,677
5,000,000 under \$10,000,000	663	3,048,258	245	69,225	663	3,117,483
10,000,000 or more	349	3,891,816	185	83,765	349	3,975,581
Nontaxable returns, total	19,540	7,924,006	1,098	94,243	19,600	8,018,249
500,000 under \$600,000	4,979	2,087,896	151	12,100	5,000	2,099,996
600,000 under \$1,000,000	8,088	3,183,444	377	22,305	8,111	3,205,749
1,000,000 under \$2,500,000	5,030	2,025,981	372	35,261	5,039	2,061,242
2,500,000 under \$5,000,000	1,012	444,836	91	10,855	1,018	455,691
5.000.000 under \$10.000.000	306	131.942	72	8,867	309	140,808
10,000,000 or more	124	49,907	34	4,856	124	54,763

Ψ10,000,000 Of INOIO			.0,001					
	Estate ta	before credit	Allowable	unified credit	Other ta	x credits	Estate tax	after credits
Size of gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)
Ail returns, total	40,908	13,767,320	40,907	5,803,427	25,128	1,605,903	21,335	6,357,981
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	6,502 18,208 11,920 2,834 972 473	904,276 3,358,540 3,765,036 2,151,744 1,525,621 2,062,104	6,502 18,208 11,920 2,834 971 473	864,104 2,569,767 1,728,627 426,272 144,448 70,209	2,713 11,726 7,595 1,999 726 368	24,831 208,352 362,303 279,323 255,002 476,093	1,511 10,113 6,884 1,816 663 349	15,340 580,417 1,674,104 1,446,148 1,126,172 1,515,801
Taxable returns, total	21,335	11,296,781	21,334	3,373,581	20,949	1,565,211	21,335	6,357,981
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,511 10,113 6,884 1,816 663 349	263,110 2,368,463 3,127,428 2,010,307 1,481,936 2,045,537	1,511 10,113 6,884 1,816 662 349	230,485 1,597,965 1,101,430 286,829 102,398 54,474	1,454 9,886 6,807 1,797 657 348	17,285 190,077 351,891 277,329 253,367 475,262	1,511 10,113 6,884 1,816 663 349	15,340 580,417 1,674,104 1,446,148 1,126,172 1,515,801
Nontaxable returns, total	19,573	2,470,539	19,573	2,429,846	4,179	40,693	-	-
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	4,991 8,095 5,037 1,018 309	641,165 990,077 637,609 141,437 43,685	4,991 8,095 5,037 1,018 309	633,619 971,802 627,197 139,443 42,050	1,259 1,840 788 203 69	7,546 18,275 10,412 1,994 1,635	- - - - -	= = = = = = = = = = = = = = = = = = = =
\$10,000,000 or more	124	16,567	124	15,736	20	831		

¹ The types of property shown in columns 3 through 26 exclude lifetime transfers shown in columns 27 and 28. NOTE: Detail may not add to totals because of rounding.

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Table 1C.—Returns Filed in 1988: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate
[Estimates are based on samples—money amounts are in thousands]

mana agos escap	Number	1		Real estate		Comme	
April 1 de la companya de la company	· Number ·	-				- Contract	Conforming STOCK
		THE COLUMN	Number	Amount	nt	Number	Amount
	3	(2)	(3)	(£)	:	(5)	(8)
An Islams, 10081	43,683	70,625,351	35.077	13 564	701		
\$600,000 under \$600,000 .***	2,823	1,560,560	2.274	474 971		34,333	19,638,765
\$1,000,000 under \$2,500,000	21,347	16,384,752	16,647	4,128,234	234	16 145	251,729
\$2,500,000 under \$5,000,000	3,070	10,399,816	2,249	4,783,112	312	12,115	5,732,993
\$10,000,000 or more	1,013	6,767,629	844	1.079.346	346	2,640	3,221,050
Taxable returns, total	000	13,742,360	457	1,303,925	925	483	4,860,318
\$500,000 under \$600,000	¥	39,794,444	14,419	6,370,186	186	15,004	12,013,992
	7,821	141,453 6,313,122	5 189 189	. 30	30,945	201	26,355
\$2,500,000 under \$5,000,000	7,804	11,517,333	6,108	2,421,743	743	5.907	1,545,872
\$5,000,000 under \$10,000,000	671	4.468 104	1,613	351 964,267	267	1,715	2,332,713
Notice of more	387 :	10,512,855	319	652,990 1,31,335, 901,799	799	577	1,424,570
	24,735	30,830,907	20,658	7.194.605	ÖS :	10 308	3,335,805
	2,572	1,419,107	2.085	444		19,320	7,624,773
\$1,000,000 under \$2,500,000	13,525	10,071,630	11,011	2 729 794	94	10 238	225,374
\$2,500,000 under \$5,000,000	1.056				-	5,850	1,938,035
\$5,000,000 under \$10,000,000	-	10,252,899	5,141	2,361,369	5		\ Z \ Z \ Z \ Z \ Z \ Z \ Z \ Z \ Z \ Z
	342	10,252,899 3,558,240 2,299,525	. 6,14) 994 290	2,361,369 830,935	n 6	924	2,604,317 888,338
		10,252,899 3,558,240 2,299,525 3,229,506	11 /	2,361,369 830,935 426,355 402,126	26 55	924 289 143	2,604,317 888,338 664,196 1,304,513
aumen denne and an ann	342 153	10,252,899 3,558,240 2,299,525 3,229,506	9,141 994 290 137 Type of property ¹ (continued)	N	26	924 289 143	2,604,317 888,338 664,196 1,304,513
***************************************	Jeral saving	10,252,899 3,558,240 2,299,525 3,229,506 Other Federal bonds	0,14) 994 290 137 137 Type of propert	# T N	26 26 26	1 1	2,504,31 / 2,504,31 / 888,338 664,196 1,304,513
1	153 153 Poderal savings bonds Number Amount	10,252,899 3,558,240 2,295,525 3,229,506 Other Fad	594 290 290 137 Type of propert	2,361 (830,5 426; 402,1 7 (continued) State and ic	55.5 26 26 26 26 27 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Š	2,044,317 888,338 664,196 1,304,513 Corporate and foreign bands 1
	342 153 jeral savings bo	10,252,899 3,556,240 2,295,525 3,229,506 Other Fed Number	by 141 994 290 137 Type of proper and bonds Amount (10)	2,361 (830,5 426; 402,1 1 (continued) V ¹ (continued) State and ic Number	cal bonds Amount	(13) By	2:504.317 888,338 664.196 1,304.513 orporate reign bonds 1
\$600,000 under \$1,000,000	joral savings b	10,252,899 3,556,240 2,299,525 3,229,506 Other Fed Number (9)	0,14) 994 290 137 Type of proper real bonds Amount	2,361 (3830), 4262, 402, 402, 100mlinued) 100mlinued) 110mlinued) 110mlinued) 110mlinued) 110mlinued) 110mlinued)	26 26 cal bonds Amount (12)	(E)	2.504.317 888.338 664.196 1.304.513 reign bonds 1
	153 153 foral eavings by	10,252,899 3,558,240 2,299,525 3,229,506 Other Fed Number (9) 9,239	0,141 994 290 137 Type of proper ral bonds Amount	2,361,1 830,1 420,2 402,2 10 (continued) 1 (continued) 1 (continued) 1 (continued) 1 (continued) 1 (continued)	26 26 26 26 26 26 26 26 26 26 26 26 26 2	45 (13)	2:504.317 888.338 664.196 1,304.513 orporate reign bonds 1 Amount (14)
\$5,000,000 under \$5,000,000	342 153 geral Savings bo	10,252,899 3,255,8240 2,295,825 3,229,506 Other Fed Number (9) 9,239 4,24 4,372 3,987	994 290 137 Type of proper real bonds Amount	2,361,1 830,1 420,2 402,2 10 (continued) 1 (continued)	26 26 26 26 26 26 26 26 26 26 26 26 26 2	4,286 4,286	2:504.317 2:504.317 888.338 664.196 1.304.513 200porate reign bonds 1 Amount (14) 471,854 9.200 130.063
\$10,000,000 or more	342 153 foral savings bon	10,252,899 3,255,240 2,299,525 3,229,506 Other Fed Number (9) 9,239 4,24 4,372 3,267 783	Manual Control of Property 137 Type of property 137 Amount Control of Property 137 Amount C	2,361,1 830,1 420,2 402,2 1,763 18,509 7,412 1,763 2,861 1,763 1,861 1,763 1,763 1,861 1,763 1,761 1,861 1,7	Seal bonds Cal bonds Amount (12) 5,823,077 583,765 1,071,945 1,983,729 681,329	9,39 4,286	2:504.317 888.338 664.196 1,304.513 70/porate relign bonds 1 Amount (14) 471,854 9,260 130,063 143,710
	153 153 153 153	10,252,899 3,255,820 2,299,525 3,229,506 Number (9) 9,239 4,372 3,287 783 260	Mnount (10) 1,539,252 2,7551 375,662 476,314 193,203 166,208 300,315	2,361,1 830,1 420,2 402,1 1 (continued) 1 (continued)	cel bonds Amount (12) 5,823,077 58,765 1,071,945 1,997,129 951,320 961,320 961,320	(13) 9,391 4,286 3,428 236	2,504,317 888,338 664,196 1,304,513 relign bonds 1 Amount (14) 471,854 9,200 130,063 143,710 41,888 44,706
	153 153 foral davings bo	10,252,899 3,255,820 2,299,525 3,229,506 0ther Fed Number (9) 9,239 4,424 4,372 3,267 783 260 133	No. 141 994 290 137 Type of propert Amount (10) 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080	2,361,1 830,1 420,3 402,1 1 (continued) 1 (c	cal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951,320 981,320 986,335 3 807,050	(13) 8,391 826 826 236	2,504,317 8,88,338 664,196 1,304,513 reign bonds 1 Amount (14) 471,854 9,200 130,063 143,710 41,888 44,706 102,288
	153 153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 0ther Fed Number (9) 9,239 4,44 4,372 3,287 783 260 133 4,497	Mnount 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080	2,361,1 830,1 420,1 402,1 1 (continued) Number (11) 19,521 891 8,509 7,4112 1,753 611 344 9,357	ceal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951;320 951;320 960,983 1,066,335 3,807,050	9,391 4,286 8,425 8,425 1,581	2504.317 2504.317 888.338 664.196 1.304.513 reign bonds 1 471,854 9.200 130,063 143,710 41,858 44,706 102,288 1269,839
	153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 0ther Fed Number 9,239 4,44 4,372 3,267 783 260 133 4,497	Mnount 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080 1,54,883	2,361,3 830,3 420,3 402,1 1 (continued) State and ic Number (11) 19,521 891 8,509 7,412 1,753 611 3,187	ceal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951,320 951,320 960,983 1,066,335 3,807,050 11,107 473,738	(13) 9,39 1,581 160	2504.317 2888.338 888.338 664.196 1.304.513 reign bonds 1 Annount (14) 471,854 9.200 130,063 143,710 41,888 44,706 102,288 1260,839 11,629
	153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 0ther Fed Number 9,239 4,44 4,372 3,267 783 260 133 4,497 1,461 1,2069 611	Mnount 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080 154,883 348,048 165,008	2,361,1 830,1 420,3 402,1 1 (continued) State and ic Number (11) 19,521 891 8,509 7,412 1,753 611 811 812 1,753 611 3,187 1,918	ceal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951,320 951,320 960,983 1,066,335 3,807,050 11,107 473,738 1,192,139	(13) 4.286 3.426 8.36 1.581 1.581	2,504,317 8,88,338 664,196 1,304,513 reign bonds 1 471,854 9,200 130,063 143,710 41,858 44,706 102,288 44,786 102,288 1,629,839 1,629 54,702 77,962
	342 153 169 169 169 169	10,252,899 3,2556,240 2,299,525 3,229,506 Number (9) 9,239 4,47 7,83 2,60 133 4,497 7,83 2,60 133 1,461 1,2069 611	1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080 14,250 154,883 348,048 165,008	2,361,1 830,1 426,3 402,1 1 (continued) State and ic Number (11) 19,521 891 8,509 7,4112 1,753 611 8,519 7,412 1,753 611 3,187 1,118 1,256 430	cal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951;320 680,983 1,066,335 3,807,050 11,107 473,738 1,192,139 726,545 508,545	9,39: (13) 3,428: 83,4	### A 17.06.3 17.96.2
	153 153	10,252,899 3,2558,240 2,299,525 3,229,506 Number (9) 9,239 4,24 4,372 3,267 7,83 2,60 133 4,497 163 1,461 110	Mnount (10) 1,539,252 2,7561 375,662 476,314 193,203 166,208 300,315 1,056,080 154,883 348,048 165,008 121,126 262,756	2,361,1 830,1 420,2 402,1 1 (continued) State and ic Number (11) 19,521 891 8,509 7,412 1,753 611 8,509 7,412 1,753 611 3,187 1,114 3,187 4,118 4,118 1,256 430 252	ceal bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951;320 951;320 951;320 1,063,335 3,807,050 111,07 473,738 1,192,139 776,553 508,545 894,968	4,286 8,342 8,342 8,428	Amount (14) 471,854 9,200 130,063 143,710 41,888 44,706 102,288 4260,839 11,952 11,95
0	153 153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 Number Number Number 1,239 4,24 4,372 3,267 783 260 133 4,497 163 1,461 183 110 4,742	137 Type of propent (10) 137 Type of propent (10) 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080 14,250 154,883 348,048 161,008 121,126 262,756 443,172	2,361,1 830,1 420,2 402,1 10 (continued) 7 (continued) State and ic Number (f1) 19,521 891 895 7,412 1,753 611 8,509 7,412 1,753 611 3,44 9,357 1,114 3,187 4,118 4,118 1,256 430 252	cel bonds Amount (12) 5,823,077 58,765 1,071,945 1,927,29 951,320 951,320 11,107 473,738 1,192,139 766,553 508,545 894,968 2,016,028	9,39: 4,28: 3,42: 3,42: 236: 160: 161: 114:	Amount (14) 471,854 9.200,839 1,962,839 260,839 211,015
	153 153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 Number Number 9,239 9,239 9,239 1,497 163 1,461 1,461 1,461 1,83 1,461 1,83 1,461 1,83 1,10 1,83 1,10 1,83 1,10 1,83 1,10 1,83 1,83 1,83 1,83 1,83 1,83 1,83 1,83	137 Type of propert Amount (10) 1,539,252 27,551 375,662 476,314 193,203 166,208 300,315 1,056,080 14,250 154,893 348,048 165,008 121,128 262,756 433,172 23,301	2,361,1 830,1 420,2 402,1 1 (comtinued) State and ic Number (f1) 19,521 891 8,509 7,412 1,753 611 344 9,357 -114 3,187 4,118 4,118 1,256 430 252 10,164	cel bonds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951,320 951,320 11,107 473,738 1,192,139 776,553 508,545 894,968 2,016,028	9,39; 4,286 3,428 3,428 1,581 1,71;	Amount (14) 471,854 9.200,839 1,622,888 4,706 102,288 4,702 71,629 54,702 71,629 54,702 71,983 260,839 1,989 28,642 65,916 65,916
P P P P P P P P P P	153 153 153 153	10,252,899 3,2558,240 2,299,525 3,229,506 Number Fod Number Fod 1424 4,372 3,267 783 260 1133 4,497 1,63 1,461 1,2069 611 1 183 110 4,742 3,611 1 183 1 10 4,742	137 Type of propent (10) 137 Amount (10) 1,539,252 27,551 375,662 27,551 375,662 476,314 193,203 166,206 1,4250 1,4250 1,54,883 348,048 165,008 121,126 23,301 20,759 128,267	2,361() 830() 840() 840() 840() 840() 840() 840() 840() 840() 840() 840() 840() 841(cal bonds Cal bonds Amount (12) 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 5,823,077 6,07,650 11,107 473,738 1,192,139 726,533 5,804,968 2,016,028 2,016,028 2,016,028	4,288 3,428 8,36 1,581 1114	Amount (14) 471,884 9,200 130,063 143,710 41,888 44,706 10,2288 10,2288 10,2288 10,238 260,839 21,962 21,962 21,962 25,361
	153 153 153	10,252,899 3,2556,240 2,299,525 3,229,506 Number Number (9) 9,239 4,497 1,461 1,461 1,461 1,461 1,163 1,461 1,161 1,183 1,10 4,742 3,87 3,87 7,83 2,60 133 1,461 1,81 110 4,742 3,81 1,191 1,198	137 Type of propent (10) 137 Type of propent (10) 1,539,252 27,551 375,662 27,551 375,662 476,314 193,203 166,208 166,208 166,208 166,208 166,208 166,208 166,208 166,208 175,662 175	2,361,1 830,1 420,2 402,1 10 (continued) State and ic Number (11) 19,521 891 8,509 7,412 1,753 611 811 811 821 1,753 611 3,187 1,118 4,118 4,118 4,118 1,256 430 252 10,164 777 5,322 3,294 4,96	ceal bornds Amount (12) 5,823,077 58,765 1,071,945 1,993,729 951,320 951,320 960,983 1,192,139 776,553 508,545 894,968 2,016,028 47,659 598,207 801,580	45. 4.28: 3.42: 3.42: 3.42: 3.42: 1.581 1.581 1.581 1.581 1.581 1.581	Amount (14) 471,854 9.200,839 1,527,261 211,015 211,015 28,842 65,748 9.889 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899 9.899

Table 1C.—Returns Filed in 1988: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

				Type of proper	rty ¹ (continued)			
Size of gross estate	Ce	ısh	Notes and	mortgages	Life Ins	urance	Ann	uities
	Number	Amount	Number	Amount	Number	Amount	Number	· Amount
	(15) -	(16)	(17)	(18)	(19)	(20)	(21)	(22)
All returns, total	42,345	7,614,416	. 12,568	1,708,717	23,741	2,150,015	11,985	1,692,324
\$500,000 under \$600,000	2.651 20,770 14,456 2,958 982 530	287,350 2,983,127 2,563,887 870,721 432,952 476,379	732 5,358 4,631 1,178 396 273	43,308 423,086 499,506 340,039 146,162 256,616	1,542 11,364 8,210 1,736 576 314	78,240 653,461 907,625 277,084 138,173 95,433	663 5,575 4,441 841 300 164	48,067 468,800 744,786 242,224 112,813 75,633
Taxable returns, total	18,581	4,163,744	5,414	790,485	8,312	562,926	3,367	469,984
\$500,000 under \$600,000	243 7,700 7,652 1,957 649 380	28,677 1,412,541 1,499,748 559,413 300,187, 363,179	113 2,011 2,102 775 227 186	8,310 168,294 228,014 153,268 79,787 152,812	96 3,292 * 3,420 - 967 326 211	6,266 103,574 226,735 113,370 54,123 58,857	*77 1,022 1,605 421 148 93	*10,050 58,942 209,937 106,768 47,727 36,560
Nontaxable returns, total	23,765	3,450,671	7,154	918,232	15,429	1,587,089	8,618	1,222,340
\$500,000 under \$600,000	2,408 13,070 6,804 1,001 333 149	258,673 1,570,586 1,064,139 311,308 132,765 113,200	619 3,348 2,529 403 168 87	34,998 254,792 271,491 186,772 66,374 103,804	1,447 8,072 4,790 769 250 102	71,974 549,887 680,890 163,714 84,050 36,575	586 4,553 2,836 420 151 71	38,018 409,858 534,849 135,455 65,086 39,074

			Type of prope	erty ¹ (continued)		
Size of gross estate		orporate is assets		old goods er assets	Lifetime	transfers
·	Number	Amount	Number	Amount	· · · Number	Amount
	((23)	(24)	(25)	(26)	(27)	(26)
All returns, total	10,916	2,519,361	39,374	2,547,407	9,382	11,112,065
\$500,000 under \$600,000	601	45,179	2,414	66.675	543	162,794
\$600,000 under \$1,000,000	4,232	311.230	18,890	444,483	3,897	1,771,873
\$1,000,000 under \$2,500,000	4,203	612,032	13,719	644,329	3,382	2,594,523
\$2,500,000 under \$5,000,000	1,124	504,852	2,889	442,114	939	1,504,782
\$5,000,000 under \$10,000,000	468	363,915	954	186,278	378	1,322,963
\$10,000,000 or more	287	682,153	509	763,528	243	3,755,131
Taxable returns, total	4,102	1,198,395	16,943	1,442,206	4,459	7,529,326
\$500,000 under \$600,000	••	[••	224	5.131	••	••
\$600,000 under \$1,000,000	**1,440	**114.558	6,609	113,563	**1,417	**658,926
\$1,000,000 under \$2,500,000	1,549	239,284	7,202	292,656	1,898	1,607,321
\$2,500,000 under \$5,000,000	642	262,823	1,904	282,378	675	1,129,716
\$5,000,000 under \$10,000,000	279	186,018	637	120,551	279	940,767
\$10,000,000 or more	191	395,713	367	627,928	189	3,192,595
Nontaxable returns, total	6,814	1,320,966	22,431	1,105,202	4,924	3,582,739
\$500,000 under \$600,000	**	**	2,190	61,544	••	**
\$600,000 under \$1,000,000	**3.393	**241,850	12,281	330,920	**3,022	**1,275,741
\$1,000,000 under \$2,500,000	2,654	372,748	6,517	351,673	1,483	987,201
\$2,500,000 under \$5,000,000	482	242,029	985	159,737	265	375,066
\$5,000,000 under \$10,000,000	189	177,897	317	65,727	99	382,196
\$10,000,000 or more	96	286,441	141"	135,600	54	562,536

Table 1C.—Returns Filed in 1988: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

				Type of	deductions			
Size of gross estate	Total allow	able deductions	Funeral	expenses	Executors'	commissions	Attori	neys' fees
	Number	Amount	Number ·	Amount	Number	Amount	Number	Amount
	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)
All returns, total	43,596	33,523,907	40,274	197,547	15,408	632,595	25,702	604,906
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	2,740 21,346 14,891 3,070 1,010 541 18,944 251 7,820 7,804 2,014 668	478,176 5,400,451 9,516,321 5,071,318 3,630,523 9,427,118 11,991,865 513,283 1,825,270 1,941,407 1,440,787	2,365 19,875 13,688 2,884 950 512 18,500 251 7,692 7,584 1,954 645	9,592 91,062 67,012 18,939 6,111 4,830 91,024 1,313 34,720 35,315 11,993 3,944	484 6,449 6,066 1,548 542 319 11,726 . *72 4,224 5,237 1,428	5,809 117,683 206,889 100,423 74,465 127,326 536,362 *574 81,515 183,640 94,928 65,419	1,192 12,302 9,048 2,081 686 392 16,642 235 6,752 6,939 1,825 558	10,270 161,456 217,491 88,041 55,570 72,080 464,365 2,612 96,500 178,786 79,193 46,853
510,000,000 or more	387	6,261,754	373	3,739	289	110,286	332	60,421
Nontaxable returns, total	24,651	21,532,042	21,774	106,523	3,682	96,233	9,060	140,541
\$500,000 under \$600,000	2,488 13,525 7,086 1,056 342	468,813 4,887,168 7,691,051 3,129,911 2,189,736	2,114 12,183 6,104 930 305	8,280 56,342 31,697 6,946 2,167	412 2,225 830 119 66	5,235 36,168 23,249 5,495 9,046	957 5,550 2,108 256 128	7,658 64,955 - 38,704 8,848 8,717
\$10,000,000 or more	153	3,165,364	138	1,091	. 30	17,040	60	11,659

				Type of deduc	tions (continued)			
Size of gross estate	Other expens	es and losses	Debts and	l mortgages	Charitabl	le bequests	Bequests to	surviving spouse
,	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)
All returns, total	30,762	489,134	35,547	3,252,149	8,376	4,822,104	20,593	23,539,610
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,651 14,858 10,716 2,304 805 427	8,459 88,004 167,792 81,093 57,257 86,529	1,927 16,989 12,429 2,755 937 512	59,938 617,632 1,054,336 468,237 408,596 643,410	460 3,545 2,854 956 329 232	11,182 561,261 830,767 695,734 496,761 2,226,399	. 1,168 9,154 7,697 1,690 557 327	372,974 3,765,013 6,977,449 3,625,448 2,531,763 6,266,963
Taxable returns, total	18,434	408,515	17,111	1,298,194	4,485	2,546,004	3,039	6,648,079
\$500,000 under \$600,000	251 7,655 7,613 1,922 639 353	1,026 57,978 143,396 75,820 49,228 81,067	191 6,842 7,198 1,855 647 377	3,441 133,038 373,699 233,114 195,821 359,081	**1,382 1,922 739 256 186	**30,368 205,462 324,374 248,103 1,737,697	**538 1,299 759 253 191	**79,819 704,973 1,121,985 6 831,420 1,3,909,883
Nontaxable returns, total	12,329	80,619	18,436	1,953,954	3,891	2,276,101	17,553	16,891,531
\$500,000 under \$600,000	1,400 7,203 3,103 382 166 74	7,433 30,026 24,396 5,273 8,029 5,462	1,736 10,146 5,230 900 290 134	56,497 484,593 680,637 235,123 212,775 284,330	**2,623 932 218 73 46	**542,075 625,305 371,360 248,658 488,703	**9,785 6,398 932 304 135	1*4,058,168 1*6,272,476 2,503,464 1,700,344 2,357,080

Table 1C.—Returns Filed in 1988: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	Taxable	estate	Adjusted to	axable gifts	Adjusted to	exable estate .'
Size of gross estate	Number	Amount	Number	Amount	Number	Amount
	(45)	(46)	(47)	(48)	(49)	(50)
All returns, total	39,480	37,250,179	4,582	918,247	39,551	38,168,426
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	2,423 19,153 13,515 2,894 964 531	1,090,043 11,016,864 12,310,005 5,349,486 3,168,298 4,315,482	*129 1,468 1,646 764 331 244	*23,845 188,435 298,621 142,292 103,428 161,625	2,423 19,180 13,552 2,894 967 535	1,113,889 11,205,300 12,608,627 5,491,778 3,271,726 4,477,107
Taxable returns, total	18,948	27,802,575	3,040	768,440	18,948	28,571,015
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	251 7,821 7,804 2,014 671 387	132,090 5,799,837 9,692,061 4,900,169 3,027,317 4,251,101	91 790 1,151 548 269 190	*20,252 C 157,508 b 230,707 123,574 88,323 148,076	251 7,821 7,804 2,014 671 387	152,342 5,957,345 9,922,768 5,023,743 3,115,640 4,399,177
Nontaxable returns, total	20,531	9,447,604	1,542	. 149,807 🚚	20,602	9,597,411
\$500,000 under \$600,000	2,172	957;953 5,217,027 2,617,944 449,317 140,981 64,382	*39 678 495 215 62 54	*3,594 30,927 67,915 18,718 15,105 13,549	2,172 11,359 5,748 881 296 147	961,547 5,247,954 2,685,859 468,035 156,086 77,930

	Estate tax t	pefore credit	Allowable u	nified credit	Other ta	x credits	Estate tax	after credits
Size of gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)
All returns, total	39,550	14,486,522	39,550	6,559,535	21,956	1,627,742	18,948	6,299,236
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	2,423 19,180 13,552 2,894 966 535	348,110 3,625,396 4,458,288 2,271,984 1,522,508 2,260,235	- 2,423 19,180 13,552 2,894 966 535	337,720 3,112,637 2,317,646 521,863 174,120 95,550	331 9,804 8,484 2,214 712 410	3,354 174,897 391,681 316,877 247,854 493,079	251 7,821 7,804 2,014 671 387	7,036 337,858 1,748,958 1,433,244 1,100,534 1,671,606
Taxable returns, total	18,948	11,464,152	18,948	3,584,373	18,365	1,580,535	18,948	6,299,236
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	251 7,821 7,804 2,014 671 387	49,200 1,972,302 3,610,349 2,120,747 1,474,446 2,237,107	251 7,821 7,804 2,014 671 387	39,693 1,481,677 1,480,058 383,516 126,717 72,712	219 7,536 7,580 1,989 660 380	2,471 152,764 381,330 303,986 247,195 492,789	251 7,821 7,804 2,014 671 387	7,036 337,858 1,748,958 1,433,244 1,100,534 1,671,606
Nontaxable returns, total	20,601	3,022,370	20,601	2,975,163	3,591	47,207	–	-
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	5,748	298,910 1,653,094 847,939 151,237	2,172 11,359 5,748 881	298,027 1,630,960 837,588 138,346	112 2,268 904 225	883 22,133 10,351 12,891	_ _ _ _	- - - -
\$5,000,000 under \$10,000,000 \$10,000,000 or more	295	48,062 23,128	295 147	47,403 22,838	52 30	659 290		

<sup>The types of property shown in columns 3 through 26 exclude lifetime transfers shown in columns 27 and 28.
Estimates should be used with caution because of small number of sample estate tax returns on which it is based.

Data combined to avoid disclosure of specific estate tax returns.

NOTE: Detail may not add to totals because of rounding.</sup>

Table 2.—Estate Tax Returns Filed for 1986 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate

	Gross			Type of	property ¹	
Size of gross estate	Gross	estate	Real e	state	Corpor	ate stock
	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4) " ′	(5)	(6)
All returns, total	45,795	66,018,791	35,914	12,842,935	35,619	18,228,136
\$500,000 under \$600,000		5,065,341	6,889	1,189,239	6,647	1,014,062
\$600,000 under \$1,000,000	. 19,299	14,695,606	15,036	3,518,457	14,737	3,288,090
\$1,000,000 under \$2,500,000	12,923	19,040,854	10,447	4,173,128	10,531	4,834,170
\$2,500,000 under \$5,000,000		9,762,913 ,	2,304	1,698,181	2,431	2,924,535
\$5,000,000 under \$10,000,000	993	6,679,195	835	1,017,124	860	2,351,401
\$10,000,000 or more	470	10,774,882	403	1,246,806	413	3,815,879
Taxable returns, total	21,961	37,788,887	16,255	6,535,931	17,364	11,560,923
\$500,000 under \$600,000	1,893	1.085.337	1,175	201.903	- 1.376	263,531
\$600,000 under \$1,000,000	10,158	7,758,044	7,406	1,802,952	7.802	1,878,204
\$1,000,000 under \$2,500,000	7,163	10,625,453	5,478	2,147,251	5.833	2,936,207
\$2,500,000 under \$5,000,000	1,739	5,890,919	1,353	917,011	1,474	1,824,429
\$5,000,000 under \$10,000,000	⁻ 659	4,449,084	546	591,623	574	1.629.055
\$10,000,000 or more	350	7,980,050	296	875,190	306	3,029,499
Nontaxable returns, total	23,834	28,229,904	19,659	6,307,005	18,255	6,667,213
\$500,000 under \$600,000	7,344	3.980.004	5,714	987,335	5,271	750,531
\$600,000 under \$1,000,000	9,141	6,937,563	7,630	1.715.505	6,935	1,409,886
\$1,000,000 under \$2,500,000	5,761	8,415,401	4,969	2.025.877	4,698	1,897,963
\$2,500,000 under \$5,000,000	1,134	3,871,994	950	781,170	958 .	1,100,106
\$5,000,000 under \$10,000,000	334	2,230,111	289	425,501	286	722,347
\$10,000,000 or more	120	2,794,831	107 🕺	371,615	, 107	786,380

				Type of prope	rty 1 (continued)			
Size of gross estate	Federal savings bonds		Other Fed	Other Federal bonds		local bonds		porete ign bonds ¹
	··· Number	Amount	Number	Amount	Number	Amount	Number	Amount :
	(7)	(8)	. (9)	(10),	(11)	(12)	(13)	(14)
All returns, total	6,586	303,843	10,405 7	1,751,046	18,980	5,150,526	10,447	552,899
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Taxable returns, total	1,480 3,048 1,669 258 82 48 3,270 215	66,354 126,387 81,804 17,363 6,241 5,693 178,938	1,984 4,361 3,029 643 263 125 5,805	204,299 437,933 503,516 223,730 171,413 210,154 1,143,266 42,256	2,795 7,268 6,389 1,648 599 282 9,731 561	248,298 878,916 1,610,281 965,107 644,629 803,295 3,330,612 67,710	1,723 4,444 3,173 711 263 133 5,607 381	52,060 156,306 151,113 54,109 38,555 100,757 328,978 14,103
\$60,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 or more.	1,726 1,083 148 60 38	83,216 57,981 9,565 5,294 4,871	2,644 1,953 430 206 102	262,737 352,665 180,514 132,990 172,105	3,823 3,652 1,058 421 215	484,213 998,940 672,820 477,877 629,052	2,517 1,981 442 187 98	92,807 95,364 36,640 26,209 63,855
Nontaxable returns, total	3,316	124,905	4,600	607,780	9,249	1,819,914	4,840	223,921
\$500,000 under \$600,000 \$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 or more.	1,265 1,322 586 110 22 10	48,343 43,171 23,823 7,799 947 822	1,514 1,717 1,076 212 57 23	162,043 175,196 150,852 43,217 38,424 38,049	2,234 3,444 2,738 590 177 66	180,588 394,703 611,341 292,287 166,752 174,243	1,342 1,926 1,191 269 76 34	37,956 63,499 55,749 17,469 12,346 36,902

Table 2.—Estate Tax Returns Filed for 1986 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	Type of property ¹ (continued)										
Size of gross estate	Cash		Notes and	Notes and mortgages		surance	Ani	nuities			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount			
	(15)	(16)	(17)	(18)	(19)	(20)	. (21)	(22)			
All returns, total	44,318	7,236,935	14,050	1,889,548	24,893	2,014,350	12,212	1,515,481			
\$500,000 under \$600,000	8,886 18,673 12,558 2,779 964 457	1,104,197 2,456,851 2,174,276 693,959 380,446 427,205	2,466 5,318 4,470 1,153 415 228	175,688 409,031 601,394 286,224 136,178 281,033	4,998 10,312 7,047 1,712 551 273	194,337 666,386 719,784 248,753 111,160 73,930	2,055 5,022 3,813 896 293 133	106,541 429,066 562,451 255,072 101,280 61,071			
Taxable returns, total	21,386	4,298,581	6,568	932,709	9,478	573,047	3,853	459,252			
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,817 9,885 7,009 1,688 644 343	260,325 1,566,682 1,453,711 445,162 262,622 310,080	416 2,741 2,310 671 258 171	28,697 203,112 299,728 159,235 84,231 157,706	729 4,245 3,078 900 335 191	15,008 157,704 205,580 86,732 54,138 53,886	316 1,485 1,389 428 152 81	14,859 91,216 155,496 113,959 42,193 41,529			
Nontaxable returns, total	22,932	2,938,354	7,482	956,839	15,415	1,441,303	8,359	1,056,229			
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	7,069 8,787 5,549 1,092 321 114	843,872 890,170 720,564 248,798 117,824 117,125	2,050 2,576 2,159 482 157 57	146,991 205,919 301,666 126,989 51,946 123,327	4,269 6,067 3,969 812 215 82	179,329 508,681 514,204 162,021 57,022 20,045	1,739 3,536 2,424 468 141 52	91,682 337,850 406,954 141,113 59,087 19,542			

	Type of property ¹ (continued)									
Size of gross estate		orporate ss assets		hold goods her assets	Lifetime transfers					
	Number	Amount	Number	Amount	Number	Amount				
	(23)	(24)	(25)	(26)	(27)	(28)				
All returns, total	11,545	2,820,362	41,731	2,368,726	9,023	9,344,001				
\$500,000 under \$600,000	1.593	78.892	8.272	196.490	1.292	434,885				
\$600,000 under \$1,000,000	4,189	326.929	17,425	515,179	3,396	1.486.074				
\$1,000,000 under \$2,500,000	3,851	631,604	11,974	657,843	2.898	2,339,489				
\$2,500,000 under \$5,000,000	1,194	410,209	2,671	337.661	886	1,648,008				
\$5,000,000 under \$10,000,000	451	364.085	937	257,072	345	1,099,610				
\$10,000,000 or more	267	1,008,643	452	404,482	207	2,335,935				
Taxable returns, total	4,487	1,179,945	19,965	1,339,610	4,770	5,927,092				
\$500,000 under \$600,000	130	11,067	1.643	38.317	296	109.550				
\$600,000 under \$1,000,000	1,677	121,055	9.079	250,449	1.857	763.695				
\$1,000,000 under \$2,500,000	1.600	227.715	6,648	353,929	1.638	1,340,886				
\$2,500,000 under \$5,000,000	611	187.897	1.623	198,296	573	1.058.659				
\$5,000,000 under \$10,000,000	281	205,369	633	175.561	244	761,922				
\$10,000,000 or more	188	426,841	339	323,058	163	1.892.379				
Nontaxable returns, total	7,059	1,640,417	21,766	1,029,116	4,252	3,416,909				
\$500,000 under \$600,000	1.463	67.825	6,628	158,173	996	325.334				
\$600,000 under \$1,000,000	2,512	205.873	8.346	264,730	1.539	722,378				
\$1,000,000 under \$2,500,000	2,251	403,889	5,326	303.914	1,260	998.603				
\$2,500,000 under \$5,000,000	583	222,312	1.048	139,365	313	589.349				
\$5,000,000 under \$10,000,000	170	158,716	304	81,511	101	337,688				
\$10,000,000 or more	79	581,801	113	81,423	45	443,556				

Table 2.—Estate Tax Returns Filed for 1986 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	· · · · · · · · · · · · · · · · · · ·	Type of deductions							
Size of gross estate	Total allowa	ble deductions	Funeral	expenses	Executors'	commissions	Attorn	eys' fees	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
•	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	
All returns, total	45,764	30,303,044	42,893	199,078	16,462	620,867	28,259	632,275	
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	9,212 19,298 12,920 2,873 992 470 21,955 1,893 10,157	1,352,386 5,002,079 8,385,878 5,098,481 3,574,426 6,889,794 9,662,935 44,076 632,672	8,570 18,079 12,135 2,720 944 446 21,315 1,823 9,835	34,990 78,215 58,905 15,746 6,023 5,199 98,318 7,085 41,330	2,476 6,496 5,297 1,409 529 255 12,525 619 5,352	30,170 117,286 181,220 102,846 78,363 110,981 523,644 6,316 96,620	5,282 11,861 8,244 1,843 695 334 18,982 1,566 8,669	49,740 165,833 195,001 87,767 61,883 72,050 500,634 14,305 129,220	
\$2,500,000 under \$5,000,000	7,159 1,739 658 350	1,792,961 1,580,586 1,473,276 4,139,365	6,987 1,694 638 339	32,201 9,681 3,955 4,065	4,579 1,275 469 231	160,680 93,341 69,031 97,655	6,346 1,528 580 292	161,787 76,676 53,310 65,336	
Nontaxable returns, total	23,809	20,640,109	21,578	100,761	3,937	97,223	9,277	131,641	
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	7,319 9,141 5,761 1,134 334 120	1,308,310 4,369,407 6,592,917 3,517,895 2,101,150 2,750,429	6,747 8,244 5,148 1,027 306 107	27,905 36,885 26,704 6,065 2,068 1,134	1,858 1,144 717 135 60	23,854 20,666 20,540 9,505 9,332	3,716 3,191 1,898 316 115	35,435 36,614 33,214 11,091 8,573 6,714	

	Type of deductions (continued)										
Size of gross estate	Other expenses and losses		Debts and mortgages		Charitab	le bequests	Bequests to surviving spouse				
	Number	Amount	Number	Amount	Number	Amount	Number	Amount			
	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)			
All returns, total	33,687	433,404	38,685	3,525,624	9,114	4,079,690	20,579	20,903,488			
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	6,643 14,206 9,583 2,112 769 374	32,092 97,761 118,290 65,690 44,299 75,272	7,361 16,126 11,221 2,608 922 447	156,518 563,599 1,009,471 592,716 434,044 769,276	1,509 3,552 2,745 758 350 200	130,691 568,068 875,956 555,557 396,303 1,553,115	3,226 8,297 6,566 1,620 580 291	918,267 3,412,936 5,963,172 3,681,438 2,625,062			
Taxable returns, total	20,982	341,272	20,047	1,487,861	5,075	1,965,048	3,195	4,302,612 4,742,136			
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,790 9,735 6,875 1,644 622 316	6,656 70,472 96,546 56,080 40,049 71,468	1,613 9,140 6,652 1,668 636 340	8,234 163,391 396,025 255,981 201,212 463,018	215 2,030 1,849 527 282 172	1,005 52,188 220,297 211,974 223,460 1,256,124	28 729 1,395 593 271	473 79,451 726,714 872,829 882,259 2,180,410			
Nontaxable returns, total	12,705	92,132	18,637	2,037,763	4,039	2,114,642	17,384	16,161,352			
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	4,854 4,471 2,708 468 147 57	25,436 27,290 21,744 9,610 4,250 3,803	5,748 6,986 4,569 941 287 107	148,284 400,208 613,446 336,735 232,832 306,258	1,294 1,522 897 230 68 28	129,686 515,879 655,659 343,583 172,843 296,991	3,198 7,568 5,171 1,028 309 110	917,794 3,333,485 5,236,458 2,808,610 1,742,804 2,122,202			

Table 2.—Estate Tax Returns Filed for 1986 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—(Continued)

	Taxable	estate	Adjusted to	xable gifts	Adjusted ta	xable estate
Size of gross estate	Number	Amount	Number	Amount	Number	Amount
	(45)	(46)	(47)	(48)	(49)	(50)
All returns, total	41,674	35,893,130	3,717	560,876	41,734	36,454,006
500,000 under \$600,000	8,299	3,730,164	303	21,164	8,312	3,751,328
500,000 under \$1,000,000	17,277	9,726,449	973	99,149	17,303	9,825,599
,000,000 under \$2,500,000	11,946	10,710,369	1,320	166,751	11,955	10,877,120
2,500,000 under \$5,000,000	2,735	4,733,514	595	116,751	2,743	4,850,265
5,000,000 under \$10,000,000	958	3,105,189	312	72,057	961	3,177,246
10,000,000 or more	459	3,887,444	215	85,005	460	3,972,449
Taxable returns, total	21,961	28,125,945	2,679	464,923	21,961	28,590,869
600,000 under \$600,000	1.893	1.041.261	161	11,823	1,893	1,053,084
00,000 under \$1,000,000	10,158	7,125,369	647	74,601	10,158	7,199,969
.000.000 under \$2.500.000	7,163	8,832,490	964	130,323	7,163	8,962,813
2,500,000 under \$5,000,000	1,739	4,310,333	477	103,360	1,739	4,413,693
5,000,000 under \$10,000,000	659	2,975,808	247	63,442	659	3,039,250
0,000,000 or more	350	3,840,686	183	81,374	350	3,922,060
Nontaxable returns, total	19,713	7,767,184	1,038	95,953	19,773	7,863,137
500.000 under \$600.000	6,407	2,688,903	143	9,341	6,419	2,698,244
00,000 under \$1,000,000	7.119	2,601,081	326	24,549	7,145	2,625,629
,000,000 under \$2,500,000	4,783	1,877,879	356	36,428	4,792	1,914,307
500,000 under \$5,000,000	996	423,182	118	13,391	1,004	436,572
.000.000 under \$10.000.000	299	129,382	64	8,615	302	137,996
0,000,000 or more	109	46,758	31	3,630	110	50,388

	Estate tax b	efore credit	Allowable u	mified credit	Other ta	x credits	Estate tax	after credits
Size of gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)
All returns, total	41,707	13,703,817	41,707	5,793,387	25,439	1,589,355	21,961	6,321,067
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	8,303 17,287 11,953 2,743 961 460	1,166,292 3,174,598 3,846,213 1,999,870 1,484,652 2,032,193	8,303 17,287 11,953 2,743 961 460	1,115,240 2,369,614 1,694,576 402,426 142,860 68,671	3,564 11,087 7,797 1,901 723 367	32,340 206,111 373,217 260,823 247,118 469,745	1,893 10,158 7,163 1,739 659 350	18,711 598,869 1,778,417 1,336,621 1,094,673 1,493,777
Taxable returns, total	21,961	11,286,710	21,961	3,414,511	21,563	1,551,124	21,961	6,321,067
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1,893 10,158 7,163 1,739 659 350	334,363 2,371,531 3,256,849 1,865,215 1,442,082 2,016,671	1,893 10,158 7,163 1,739 659 350	294,051 1,581,102 1,114,147 269,777 101,452 53,983	1,795 9,999 7,056 1,712 654 348	21,601 191,556 364,283 258,817 245,957 468,911	1,893 10,158 7,163 1,739 659 350	18,711 598,869 1,778,417 1,336,621 1,094,673 1,493,777
Nontaxable returns, total	19,746	2,417,107	19,746	2,378,876	3,877	38,231	_	_
\$500,000 under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	6,410 7,129 4,790 1,004 302	831,929 803,067 589,363 134,655 42,570	6,410 7,129 4,790 1,004 302	821,189 788,512 580,429 132,649 41,408	1,770 1,088 741 189 69	10,739 14,555 8,934 2,007 1,162	_ _ _ _ _	- - - -
\$10,000,000 or more		15,522	110	14,688	19	835	-	<u> </u>

¹ The types of property shown in columns 3 through 26 exclude lifetime transfers shown in columns 27 and 28. NOTE: Detail may not add to totals because of rounding.

Table 3.—Estate Tax Returns Filed for 1986 Decedents: Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Net Worth

		s estate		Type of	property ¹	
Size of net worth	Gio	a parata	Real	estate	Corpo	rate stock
	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
All returns, total	45,795	66,018,791	35,914	12,842,935	35,619	18,228,136
Under \$600,000 1	11,087	6,519,877	8,515	1,750,205	8.009	1,218,554
\$600,000 under \$1,000,000	18,598	14,673,951	14,448	3,460,147	14.285	3,304,024
\$1,000,000 under \$2,500,000	12,103	18,596,196	9,691	3,953,691	9.900	4,783,134
\$2,500,000 under \$5,000,000	2,671	9,600,588	2,139	1,653,859	. 2,258	2.929.760
\$5,000,000 under \$10,000,000	910	6,469,221	761	960,934	794	2,337,326
\$10,000,000 or more	425	10,158,958	360	1,064,100	373	3,655,339
Taxable returns, total	√5 %-21,961 · · · ·	37,788,887	16,255	6,535,931	17,364	11,560,923
Under \$600,000 1	2,311	1,367,616	1,482	298,606	. 1,699	328.017
\$600,000 under \$1,000,000	10,181	7,985,925	7,463	1,875,565	7.828	1.906.455
\$1,000,000 under \$2,500,000	6,899	10,616,507	5,256	2,101,470	5,633	2,927,762
\$2,500,000 under \$5,000,000	1,635	5,842,598	1,278	898,505	1.387	1,849,198
\$5,000,000 under \$10,000,000	614	4,335,992	507	586,894	535	1.612.209
\$10,000,000 or more	320	7,640,249	269	774,890	282	2,937,281
Nontaxable returns, total	23,834	28,229,904	19,659	6,307,005	18,255	6,667,213
Jnder \$600,000 ¹	. 8,777	5,152,261	7.033	1,451,599	6.310	890.536
\$600,000 under \$1,000,000	8,417	6,688,026	6,984	1,584,582	6,457	1.397.568
\$1,000,000 under \$2,500,000	5,204	7,979,689	4,436	1,852,220	4.267	1,855,372
\$2,500,000 under \$5,000,000	1,035	3,757,991	861	755,354	871	1,080,562
\$5,000,000 under \$10,000,000	297	2,133,229	254	374.039	258	725,117
\$10,000,000 or more	104	2,518,709	91	289,210	91	718,058

				Type of prope	erty ¹ (continued)			
Size of net worth	Federal savings bonds		Other Fe	Other Federal bonds		local bonds	Corporate and foreign bonds ¹	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
All returns, total	6,586	303,843	10,405	1,751,046	18,980	5,150,526	10,447	552,899
Under \$600,000	1,637 2,979 1,598 250 80 41	67,883 127,092 79,718 17,800 8,116 3,233	2,245 4,257 2,923 615 249 116	216,154 445,348 502,720 220,725 160,458 205,640	3,142 7,288 6,152 1,569 567 262	291,677 894,122 1,616,307 954,661 621,911 771,847	1,936 4,368 3,096 670 249	60,976 151,963 151,684 49,802 62,687 75,786
Taxable returns, total	3,270	178,938	5,805	1,143,266	9,731	3,330,612	5,607	328,978
Under \$600,000	258 1,727 1,050 139 61 34	19,138 83,616 56,598 9,980 7,192 2,414	603 2,596 1,903 413 196 94	48,656 272,121 353,216 171,536 130,121 167,616	696 3,849 3,567 1,016 399 203	83,609 495,728 1,016,433 660,424 459,777 614,641	428 2,539 1,948 419 178 95	16,114 93,247 97,372 32,655 26,498 63,092
Nontaxable returns, total	3,316	124,905	4,600	607,780	9,249	1,819,914	4,840	223,921
Under \$600,000	1,379 1,252 548 111 19 7	48,745 43,477 23,120 7,820 924 819	1,642 1,661 1,020 201 53 22	167,498 173,227 149,504 49,189 30,338 38,024	2,446 3,439 2,585 553 168 59	208,068 398,395 599,874 294,237 162,134 157,206	1,508 1,829 1,148 252 71 32	44,861 58,716 54,313 17,147 36,189 12,694

Table 3.—Estate Tax Returns Filed for 1986 Decedents: Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Net Worth—(Continued)

	Type of property ¹ (continued)										
Size of net worth	C	Cash		Notes and mortgages		surance	Anr	uities			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount			
	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)			
All returns, total	44,318	7,236,935	14,050	1,889,548	24,893	2,014,350	12,212	1,515,481			
Under \$600,000	10,659 18,014 11,763 2,585 884 413	1,222,424 2,455,593 2,125,269 682,894 360,047 390,708	3,072 5,258 4,094 1,050 374 201	235,997 428,524 585,908 258,776 129,021 251,322	6,285 9,770 6,534 1,566 500 238	363,969 634,169 645,845 219,520 90,552 60,295	2,723 4,786 3,510 823 255 116	158,988 428,545 531,446 250,812 88,009 57,680			
Taxable returns, total	21,386	4,298,581	6,568	932,709	9,478	573,047	3,853	459,252			
Under \$600,000	2,231 9,909 6,748 1,584 601 313	296,730 1,593,998 1,435,064 434,280 249,105 289,404	530 2,829 2,192 622 240 154	34,865 222,064 316,755 135,572 85,436 138,018	980 4,212 2,968 839 311 168	29,354 172,252 193,637 89,482 44,564 43,756	403 1,516 1,332 398 135 69	21,017 96,779 152,572 113,433 36,938 38,514			
Nontaxable returns, total	22,932	2,938,354	7,482	956,839	15,415	1,441,303	8,359	1,056,229			
Under \$600,000	8,428 8,105 5,015 1,001 283 99	925,694 861,595 690,205 248,614 110,943 101,303	2,542 2,428 1,903 428 134 47	201,132 206,460 269,154 123,203 43,586 113,304	5,305 5,558 3,565 728 189 70	334,614 461,916 452,207 130,038 45,988 16,539	2,320 3,270 2,178 425 120 47	137,972 331,766 378,875 137,379 51,071 19,166			

	Type of property ¹ (continued)									
Size of net worth		rporate is assets		old goods er assets	Lifetime transfers					
	Number	Amount	Number	Amount	Number	Amount				
	(23)	(24)	(25)	(26)	(27)	(28)				
All returns, total	11,545	2,820,362	41,731	2,368,726	9,023	9,344,001				
Under \$600,000. \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$10,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Taxable returns, total Under \$600,000 \$600,000 under \$1,000,000 \$10,000,000 under \$1,000,000 \$2,500,000 under \$2,500,000 \$2,500,000 under \$2,500,000	2,303 4,043 3,459 1,100 404 238 4,487 233 1,719 1,541 571	158,412 351,213 597,140 409,186 339,043 965,368 1,179,945 21,307 128,894 228,596 208,740	9,935 16,839 11,212 2,476 861 409 19,965 1,995 9,147 6,401 1,520	258,376 511,942 636,146 331,404 252,304 378,554 1,339,610 45,184 265,534 349,563 203,624	1,469 3,386 2,817 831 326 193 4,770 338 1,887 1,624 536	516,262 1,481,266 2,387,186 1,621,389 1,058,811 2,279,086 5,927,092 125,018 779,670 1,387,468 1,035,167				
\$5,000,000 under \$10,000,000 \$10,000,000 or more	257 167	184,489 407,920	593 310	175,025 300,679	234 152	737,745 1,862,024				
Nontaxable returns, total	7,059	1,640,417	21,766	1,029,116	4,252	3,416,909				
Under \$600,000. \$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 or more	2,070 2,325 1,917 529 147 71	137,105 222,320 368,543 200,447 154,555 557,448	7,940 7,692 4,811 956 268 98	213,192 246,408 286,583 127,779 77,279 77,875	1,131 1,499 1,193 295 93 42	391,244 701,596 999,718 586,222 321,066 417,062				

Table 3.—Estate Tax Returns Filed for 1986 Decedents: Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Net Worth—(Continued)

et a state a second			Type of deductions						
Size of net worth	Total allowab	le deductions .	Funeral expenses		Executors'	Executors' commissions		eys' tees	
	Number ·	Amount	Number	Amount	Number	Amount	Number	Amount *	
·	(29)	(30)	(31)	, (32)	(33)	(34)	(35)	(36)	
All returns, total	45,764	30,303,044	42,893	199,078	16,462	620,867	28,259	632,275	
Under \$600,000	21,955	2,314,348 5,036,887 8,086,443 5,015,445 3,450,683 6,399,238 9,662,935	10,302 17,423 11,375 2,525 865 401 21,315	43,012 75,662 55,347 14,672 5,724 4,663 98,318	3,014 6,320 5,096 1,307 490 235	39,020 117,505 181,938 100,526 76,614 105,264 523,644	6,385 11,429 7,798 1,699 644 304	65,123 163,845 191,901 84,593 60,304 66,509	
Under \$600,000 \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or.more	2,311 10,180 6,896 1,635 613 320	91,879 738,857 1,833,339 1,647,047 1,430,216 3,921,598	2,228 9,860 6,732 1,588 597 309	8,804 41,619 31,137 9,223 3,914 3,621	855 5,388 4,445 1,188 433 ,216	8,879 100,850 161,938 91,995 65,157 94,825	1,938 8,685 6,128 1,419 544 269	18,352 133,273 161,473 74,684 51,187 61,665	
Nontaxable returns, total	23,809	20,640,109	21,578	100,761	3,937	97,223	9,277	131,641	
Under \$600,000	8,752 8,417 5,204 1,035 297	2,222,469 4,298,031 6,253,104 3,368,398 2,020,467 2,477,641	8,074 7,563 4,644 937 269	34,208 34,044 24,210 5,448 1,810	2,159 932 651 119 57	30,141 16,655 20,000 8,531 11,457 10,439	4,447 2,744 1,670 280 101 35	46,770 30,572 30,428 9,909 9,117 4,844	

. 1		• •		Type of deduc	tions (continued)			*
Size of net worth	Other expens	ses and losses	· Debts and	f mortgages	Charitable	e bequests	Bequests to s	urviving spouse
	Number	Amount.	Number	Amount	Number	Amount	Number	Amount
	(37)	(38)	(39)	(40)	(41)	· (42)	(43)	(44)
All returns, total	33,687	433,404	38,685	3,525,624	9,114	4,079,690	20,579	20,903,488
Under \$600,000	7,966	42,183	9,212	858,641	1.675	143,537	4,084	1,217,831
\$600,000 under \$1,000,000	13,688	98,354	15,425	541,386	3,503	564,312	8.105	3,476,525
\$1,000,000 under \$2,500,000	9,025	118,071	10,401	776,689	2,668	875 547	6,120	5.887.358
\$2,500,000 under \$5,000,000	1,958	61,456	2,406	530,754	739	560,319	1,494	3,659,688
\$5,000,000 under \$10,000,000	713	42,360	840	334,196	340	396,886	518	2,534,600
\$10,000,000 or more	337 -	70,981	402	483,958	189	1,539,090	258	4,127,486
Taxable returns, total	20,982	341,272	20,047	1,487,861	5,075	1,965,048	3,195	4,742,136
Under \$600,000	2,190	8,526	2.031	44.636	272	1,655	72	2.114
\$600,000 under \$1,000,000	9,758	74,867	9,163	243,305	2,047	54,877	742	90,064
\$1,000,000 under \$2,500,000	6,625	98,027	6,388	385,926	1,797	219,138	1,416	775,903
\$2,500,000 under \$5,000,000	1,538	53,670	1,564	286,473	523	220.863	558	906,116
\$5,000,000 under \$10,000,000	581	38,117	591	163,749	274	226,402	245	881,691
\$10,000,000 or more	289	68,065	310	363,773	162	1,242,113	163	2,086,248
Nontaxable returns, total	12,705	92,132	18,637	2,037,763	4,039	2,114,642	17,384	16,161,352
Under \$600,000	5,776	33.657	7.181	814,005	1,402	141,882	4,012	1,215,717
\$600,000 under \$1,000,000	3,929	23,487	6,262	298,081	1,456	509,435	7,363	3,386,461
\$1,000,000 under \$2,500,000	2,400	20,044	4,013	390,764	· 872	656,409	4,704	5,111,455
\$2,500,000 under \$5,000,000	420	7.786	842	244,282	216	339,457	936	2,753,572
\$5,000,000 under \$10,000,000	132	4,243	249	170,447	66	170,483	274	1,652,910
\$10,000,000 or more	. 48	2,917	91	120,185	27	296,976	95	2,041,238

Table 3.—Estate Tax Returns Filed for 1986 Decedents: Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Net Worth—(Continued)

	Taxable	estate	Adjusted to	exable gifts	Adjusted ta	xable estate
Size of net worth	Number	Amount	Number	Amount	Number	Amount
	(45)	(46)	(47)	(48)	(49)	(50)
All returns, total	41,674	35,893,130	3,717	560,876	41,734	36,454,006
Under \$600,000	9.740	4.340.150	402	29,473	9,758	4,369,623
\$600,000 under \$1,000,000	16,790	9.661.963	986	112,724	16,813	9,774,687
\$1,000,000 under \$2,500,000	11,289	10,521,204	1,271	154,181	11,299	10,675,385
\$2,500,000 under \$5,000,000	2,559	4,589,849	562	111,646	2,565	4,701,494
\$5,000,000 under \$10,000,000	878	3,020,011	301	71,830	881	3,091,841
\$10,000,000 or more	418	3,759,953	195	81,022	418	3,840,975
Taxable returns, total	21,961	28,125,945	2,679	464,923	21,961	28,590,869
Under \$600,000	2,311	1.275.737	191	16,272	2,311	1,292,009
\$600,000 under \$1,000,000	10,181	7,247,065	676	83,692	10,181	7,330,757
\$1,000,000 under \$2,500,000		8,783,166	955	124,900	6,899	8,908,066
\$2,500,000 under \$5,000,000		4,195,550	449	99,135	1,635	4,294,686
\$5,000,000 under \$10,000,000	614	2,905,776	243	63,282	614	2,969,058
\$10,000,000 or more	320	3,718,651	166	77,643	320	3,796,294
Nontaxable returns, total	19,713	7,767,184	1,038	95,953	19,773	7,863,137
Under \$600,000	7.429	3.064.413	211	13,201	7,447	3,077,614
\$600,000 under \$1,000,000	. ,	2,414,898	311	29,032	6,631	2,443,931
\$1,000,000 under \$2,500,000	4.390	1,738,038	316	29,282	4,400	1,767,319
\$2,500,000 under \$5,000,000	924	394,298	112	12,510	930	406,809
\$5,000,000 under \$10,000,000	264	114,235	58	8,549	267	122,783
\$10,000,000 or more	97	41,302	29	3,379	97	44,681

	Estate tax b	efore credit .	Allowable u	nified credit	Other ta	x credits	Estate tax	after credits
Size of net worth	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)
All returns, total	41,707	13,703,817	41,707	5,793,387	25,439	1,589,355	21,961	6,321,067
Under \$600,000	9,746 16,800 11,297 2,565 881 418	1,357,954 3,167,798 3,798,567 1,954,215 1,455,465 1,969,817	9,746 16,800 11,297 2,565 881 418	1,294,982 2,318,273 1,609,512 377,030 131,161 62,429	4,140 10,969 7,524 1,796 672 338	38,555 211,569 376,801 258,554 244,551 459,326	2,311 10,181 6,899 1,635 614 320	24,417 637,952 1,812,252 1,318,631 1,079,753 1,448,062
Taxable returns, total	21,961	11,286,710	21,961	3,414,511	21,563	1,551,124	21,961	6,321,067
Under \$600,000	2,311 10,181 6,899 1,635 614 320	410,400 2,419,837 3,254,076 1,828,748 1,417,641 1,956,008	2,311 10,181 6,899 1,635 614 320	359,204 1,584,536 1,073,333 253,551 94,433 49,454	2,208 10,013 6,804 1,609 610 319	26,778 197,345 368,489 256,565 243,455 458,492	2,311 10,181 6,899 1,635 614 320	24,417 637,952 1,812,252 1,318,631 1,079,753 1,448,062
Nontaxable returns, total	19,746	2,417,107	19,746	2,378,876	3,877	38,231	_	_
Under \$600,000	7,435 6,619 4,398 930 267 97	947,555 747,961 544,491 125,467 37,824 13,808	7,435 6,619 4,398 930 267 97	935,777 733,737 536,179 123,479 36,729 12,974	1,931 956 721 187 63 18	11,777 14,224 8,312 1,988 1,096 834	- - - -	- - - -

¹ Includes returns with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 4.—Charitable Bequests and Their Components, by Filing Year and for 1986 Decedents

		Gross	charitable		. Type o	f bequest		
Size of gross estate, year	Total returns	beq	uests	Arts an	d humanities	· Rel	Religious	
		Number	Amount	Number	Amount	Number	Amount	
·	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1986 filing year, total	42,125	7,835	3,630,617	847	140,682	4,965	380,936	
\$500,000 under \$1,000,000	27,009 13,862 1,253	4,720 2,627 487	664,014 1,235,312 1,731,292	349 421 77	3,743 106,899 30,040	3,194 1,537 234	253,119 62,513 65,304	
1987 filing year, total	45,113	8,987	4,048,928	613	162,103	5,596	501,116	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	27,694 15,935 1,484	4,793 3,645 549	736,071 1,384,745 1,928,113	211 310 93	8,850 28,916 124,337	3,217 2,140 240	172,820 224,252 104,044	
1988 filing year, total	43,683	8,376	4,869,500	811	171,603	5,203	630,702	
\$500,000 under \$1,000,000	24,170 7 17,960 1,553	4,005 3,810 561	573,197 1,544,002 2,752,301	404 325 81	17,799 96,842 56,962	2,757 2,214 231	237,625 269,990 123,087	
Year of death 1986 only, total	45,795	9,114	4,152,733	706	179,233	5,624	524,239	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	28,536 15,796 1,463	5,061 3,503 550	700,980 1,455,980 1,995,773	287 325 94'	10,415 38,866 129,953	3,393 1,994 237	176,433 247,060 100,747	

· ; ci

, –				Type of beque	est (continued)		, ,		Total	
Size of gross estate, year		al, medical, ence	Social	Social welfare		oundations	. 01	ther	allowable charitable bequests	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount	
	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(18)	
1986 filing year, total	4,482	1,357,872	1,946	268,842	588	1,014,111	1,290	468,175	3,573,298	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	2,656 - 1,557 269	224,138 575,784 557,950	998 827 121	110,837 117,163 40,841	206 255 126	25,189 279,001 709,922	835 357 97	46,987 93,952 327,236	660,844 1,228,570 1,683,884	
1987 filing year, total	4,528	1,391,023	1,350	193,573	960	1,015,924	2,758	785,189	3,978,020	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	2,200 2,008 320	329,682 551,401 509,941	700 556 94	56,084 60,844 76,644	408 397 154	75,447 150,190 790,287	1,403 1,159 196	93,187 369,142 322,859	733,765 1,363,107 1,881,149	
1988 filing year, total	4,152	1,239,947	1,145	203,347	808	1,532,601	2,590	1,091,301	4,822,104	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	1,779 2,040 334	167,202 652,318 420,427	476 572 97	29,293 112,056 61,998	257 394 156	47,005 192,104 1,293,492	1,278 1,114 198	74,274 220,692 796,335	572,443 1,526,501 2,723,160	
Year of death 1986 only, total.	4,637	1,256,083	1,315	225,667	927	1,228,233	2,628	739,278	4,079,690	
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more	2,403 1,921 313	287,752 611,288 357,043	653 563 100	56,721 81,885 87,061	359 411 157	53,896 173,584 1,000,753	1,349 1,088 192	115,764 303,298 320,216	698,759 1,431,513 1,949,418	

NOTE: Detail may not add to totals because of rounding.

Table 5.—Estate Tax Returns Filed for 1986 Decedents: Gross Estate, Taxable Estate, and Estate Tax, by State

[All figures are estimates based on samples—money amounts are in thousands of dollars]

	Gross	estate	Taxabl	e estate		ax before idits		eath tax edit		tax after edits
State .	Number of returns	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Total	45,795	66,018,791	41,674	35,893,130	41,707	13,703,817	25,409	1,531,134	21,961	6,321,067
Alabama	511	714,168	452	333,829	452	120,709	230	10,258	198	47,217
Arizona	738	954,173	660	520,954	660	197,717	311	21,540	284	84,950
Arkansas	211	313,550	196	129,059	197	44,383	86	3,313	72	13,862
California	7,072	10,133,198	6,506	5,524,091	6,507	2,072,088	3,694	215,027	3,358	907,593
Colorado	598	714,572	553	378,868	553	137,490	235	11,179	219	49,577
Connecticut	1,077	1,724,878	1,008	997,304	1,008	397,325	770	54,464	618	199,586
Delaware	122	130,169	105	76,702	105	26,285	57	1,952	52	8,943
District of Columbia	191	390,058	185	250,498	185	107,046	136	16.535	132	65,566
Florida	3,992	6,796,207	3,682	3,375,899	3,693	1,310,820	2,105	147,649	2,027	637,829
Georgia	796	1,398,471	749	764,045	749	312,154	416	41,448	392	162,756
Hawaii	164	207,076	158	125.556	158	45,476	88	4,231	83	18.835
Idaho	169	155,613	149	85,756	149	29,378	*32	*1,665	*46	*7,256
Illinois	2,362	3,319,421	2,257	1,954,139	2,259	752,185	1.300	84,957	1.165	352,626
	718	846,863	644	520,328	644	193.002	430	20,004	346	80,228
Indiana	584	588.544	544	367,271	544	129,538	369	11,219	265	43,230
lowa	479	578,542	426	341.753	426	127,371	323	13.623	268	52,156
Kansas			441	378,546	441	143,175	286	14,404	208	65,537
Kentucky	519	677,841	453	378,546	453	151,013	335	15,459	265	70,145
Louisanna	461	601,617						5,847	203 80	25,691
Maine	178	224,009	167	147,601	167	55,611	112	23,410	368	98,983
Maryland	758	1,216,749	691	584,376	693	219,054	445			
Massachusetts	1,316	1,853,657	1,231	1,058,916	1,243	397,632	906	42,692	. 741	184,655
Michigan	955	1,386,599	814	726,389	814	278,996	546	31,709	440	135,160
Minnesota	551	715,997	503	396,877	503	150,446	262	16,977	233	63,740
Mississippi	251	265,277	228	138,429	228	47,203	147	3,628	114	14,172
Missouri	795	1,293,010	739	652,913	739	249,796	446	28,650	394	117,924
Montana	91	101,335	88	57,101	88	19,306	47	1,177	*21	*5,458
Nebraska	319	385,325	296	206,787	296	73,695	158	6,790	152	28,729
Nevada	172	285,032	162	157,336	162	62,870	72	5,304	82	32,471
New Hampshire	233	329,523	215	168,641	215	62,762	117	6,194	102	27,261
New Jersey	1,883	2,571,924	1,592	1,269,517	1,591	471,326	1,027	46,330	868	210,837
New Mexico	153	223,332	137	113,234	137	43,175	76	4,910	76	20,451
New York	4,596	7,540,158	4,081	4,025,919	4,082	1,607,416	2,711	217,453	2,292	833,084
North Carolina	1,003	1,332,612	896	762,166	898	289,435	591	31,112	477	135,747
North Dakota	118	112,959	112	68,309	112	23,782	59	1,858	59	8,310
Ohio	1,768	2,165,870	1,604	1,279,898	1,608	473,701	1,184	48,358	838	197,130
Oklahoma	547	754,537	501	495,865	501	196,115	371	25,836	343	97,203
Oregon	377	676,449	343	302,487	347	115,950	248	14,733	168	51,581
Pennsylvania	1,855	2,493,798	1,713	1,516,985	1,713	581,050	1,215	69,322	997	277,970
Rhode'Island	173	204,670	168	108,913	168	37,046	124	2,984	75	11,004
South Carolina	422	583,758	395	286,513	395	101,480	254	8,937	200	38,872
	133	110,440	123	68.739	123	22,395	•93	*1,225	*65	*3,506
South Dakota	588	765.783	537	448.155	524	174,911	239	18,043	205	85,434
Tennessee	2.803	4.113.459	2.491	2.121.163	2,493	814,116	1,285	88,550	1,226	371,232
Texas	2,803	136,748	108	79,283	108	28,139	34	2,111	31	10.020
Utah					62	26,139	23	4.012	21	14,576
Vermont	62	104,509	62	65,382			545	40.212	551	163.239
Virginia	1,045	1,521,326	903	848,259	906	330,726	254	13,385	215	54,135
Washington	584	757,346	520	382,384	520	139,695				
West Virginia	195	291,544	157	135,723	157	52,441	72	5,920	72	25,931
Wisconsin	774	993,447	737	571,447	737	212,397	463	21,720	355	90,020
Wyoming	91	99,263	90	56,306	90	19,663	57	1,738	57	6,788
Other areas 1	130	. 163,3 8 2	101	71,332	101	27,415	24	1,078	44	11,86

<sup>In general, includes returns of decedents who were citizens living abroad.
Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

NOTE: Detail may not add to totals because of rounding.</sup>

Table 6.—Estate Tax Returns Filed for 1986 Male Decedents: Number of Returns and Gross Estate by Age and Marital Status of Decedent and by Size of Gross Estate

[All figures are estimates based on samples—money amounts are in thousands of dollars]

		All deced	ents, total		Age of decedent				
Marital status, size of	Gr	oss	Este	Estate tax		Under 50 years			
gross estate	estate		after	after credits		estate	Estate tax	Estate tax after credits	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(8)	(7)	(8)	
All decedents, total	25,962	40,819,136	9,222	2,858,417	1,288	1,949,911	334	89,915	
\$500,000 under 1,000,000 \$1,000,000 or more	15,287 10,674	10,608,765 30,210,371	4,417 4,805	219,424 2,638,993	737 551	526,019 1,423,892	135 199	5,758 84,157	
Married decedents, total	16,977 9,313 7,664	29,119,236 6,535,768 22,583,468	2,716 661 2,055	975,339 24,069 951,270	876 471 405	1,434,894 337,731 1,097,163	87 *15 72	22,606 *330 22,276	
Widowed decedents, total	5,686 3,772 1,914	7,404,002 2,596,577 4,807,425	4,286 2,483 1,803	1,293,080 143,910 1,149,169	20 *10 10	28,941 *7,597 21,343	12 •4 •8	4,418 *279 *4,139	
\$1,000,000 under \$1,000,000 \$1,000,000 or more	2,104 1,409 695	2,729,399 941,031 • 1,788,367	1,382 809 573	341,383 32,534 308,849	248 170 78	297,883 117,214 180,669	141 74 67	38,689 3,022 35,667	
Other decedents, total	1,195 794 402	1,566,500 535,389 1,031,111	836 463 373	248,615 18,911 229,704	144 85 58	188,193 63,476 124,718	94 42 52	24,202 2,128 22,074	

•		·		Age of deced	lent (continued)			
Marital status, size of		50 to 5	9 years		· .	60 to (69 years	
gross estate	Gross estate		Estate tax	Estate tax after credits		Gross estate		after credits
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
All decedents, total	2,630	4,100,601	574	148,154	5,271	7,804,118	1,184	325,067
\$500,000 under \$1,000,000 \$1,000,000 or more	1,471 1,159	1,046,917 3,053,684	267 307 ,	10,516 137,639	3,057 2,213	2,159,483 5,644,635	523 661	25,353 299,714
Married decedents, total \$500,000 under \$1,000,000 \$1,000,000 or more	2,040 1,056 985	3,342,116 757,166 2,584,950	196 48 148	43,414 999 42,415	4,247 2,375 1,872	6,590,108 1,681,932 4,908,176	411 70 341	148,049 3,177 144,873
Widowed decedents, total	107 83 24	107,269 55,551 51,718	69 45 23	11,853 2,285 9,568	396 271 125	437,707 198,987 238,720	339 216 123	64,608 12,969 51,639
Single decedents, total	234 166 68	289,005 115,667 173,338	169 107 . 62	37,262 4,166 33,096	325 199 126	425,960 138,927 287,033	228 116 112	64,857 5,396 59,461
Other decedents, total \$500,000 under \$1,000,000 \$1,000,000 or more	249 167 82	362,211 118,533 243,678	141 67 74	55,625 3,065 52,560	303 212 91	350,343 139,637 210,706	207 120 86	47,553 3,811 43,742

See note at end of table.

Table 6.—Estate Tax Returns Filed for 1986 Male Decedents: Number of Returns and Gross Estate by Age and Marital Status of Decedent, and by Size of Gross Estate—(Continued)

[All figures are estimates based on samples-money amounts are in thousands of dollars]

				Age of deced	ent (continued)					
Marital status, size of		70 to 79 years				80 to 89 years				
gross estate	Gross	estate	Estate tax after credits		Gross estate		Estate tax after credits			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
All decedents, total	7,363	12,055,497	2,338	701,224	6,886	10,994,789	3,416	1,106,331		
\$500,000 under \$1,000,000 \$1,000,000 or more	4,454 2,909	3,057,748 8,997,749	1,127 1,211	55,996 645,227	3,982 2,905	2,729,101 8,265,688	1,652 1,764	82,186 1,024,146		
Married decedents, total	5,274 2,972 2,302	9,571,858 2,065,816 7,506,042	856 211 645	327,962 7,356 320,606	3,602 1,877 1,725	6,484,167 1,310,569 5,173,598	911 209 702	325,740 7,739 318,001		
Widowed decedents, total	1,294 891 403	1,518,064 608,629 909,435	951 558 393	253,457 34,737 218,720	2,507 1,616 890	3,383,796 1,104,588 2,279,208	1,947 1,121 826	627,855 60,617 567,238		
Single decedents, total \$500,000 under \$1,000,000	499 366 133	658,248 239,702 418,546	303 196 108	77,468 8,216 69,253	610 396 215	832,382 251,904 580,478	429 262 166	88,442 9,792 78,650		
Other decedents, total	296 225 71	307,327 143,601 163,726	227 162 65	42,336 5,688 36,648	167	294,443	130	64,295		

		Age of deceder	nt (continued)		
Marital status, size of		90 years and ov	ver or unknown		
gross estate	Gross	s estate	Estate tax after credits		
	Number	Amount	Number	Amount	
	(25)	(26)	(27)	(28)	
All decedents, total	2,524	3,914,220	1,374	487,725	
\$500,000 under \$1,000,000	1,586 937	1,089,498 2,824,722	713 661	39,616 448,110	
Married decedents, total	937 561 376	1,696,092 382,553 1,313,539	256 *108 148	107,567 *4,469 103,098	
Widowed decedents, total	1,362 901 461	1,928,225 621,225 1,307,000	968 539 430	330,890 33,024 297,866	
Single decedents, total	187 112 75	225,921 77,617 148,303	112 *54 59	34,664 *1,941 32,723	
Other decedents, total	38	63,982	38	14,604	

NOTE: Detail may not add to totals because of rounding.

* Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

** Data combined to avoild disclosure of information for specific estate tax returns.

Table 7.—Estate Tax Returns Filed for 1986 Female Decedents: Number of Returns and Gross Estate by Age and Marital Status of Decedent and by Size of Gross Estate

[All figures are estimates based on samples—money amounts are in thousands of dollars]

		All deced	ents, total			Age of c	decedent		
Marital status, size of	Gross estate		Estr	Estate tax		Under 50 years			
gross estate			after credits		· Gross	estate	Estate tax after credits		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
All decedents, total	19,833	25,199,655	12,739	3,462,650	294	388,817	108	21,419	
500,000 under \$1,000,000	13,248 6,585	9,152,182 16,047,472	7,633 5,106	398,155 3,064,495	164 130	112,542 276,275	46 63	2,070 19,348	
Married decedents, total	4,418 2,818 1,600	6,057,303 1,979,256 4,078,048	945 396 549	271,030 18,616 252,414	184 101 83	255,041 69,114 185,927	30 *10 20	3,731 *399 3,332	
Widowed decedents, total 500,000 under \$1,000,000	13,105 8,835 4,270	16,584,017 6,065,807 10,518,210	10,270 6,325 3,944	2,876,724 340,143 2,536,581	39 24 14	37,198 17,028 20,170	29 16 13	3,912 740 3,173	
Single decedents, total	1,543 1,123 419	1,574,326 773 672 800,655	918 591 327	156,933 25,574 131,359	38 18 21	59,827 12,119 47,707	30 11 19	9,722 *603 • 9,119	
Other decedents, total	768 472 296	984,008 333,448 650,560	607 321 286	157,963 13,823 144,141	34 21 12	36,751 14,280 22,471	19 *8 11	4,054 *329 3,725	

				Age of deced	lent (continued)			
Marital status, size of		50 to 5	9 years			60 to 6	9 years	
gross estate	Gross	estate	Estate tax	Estate tax after credits		Gross estate		after credits
	Number	Amount	Number	Amount	Number	Amount '	Number	Amount
	(9)	(10	(11)	(12)	(13)	(14)	(15)	(16)
All decedents, total	838	1,162,794	254	60,396	2,517	2,986,746	1,211	247,682
\$500,000 under \$1,000,000 \$1,000,000 or more	515 323	357,648 805,146	124 129	5,355 55,041	1,692 825	1,184,041 1,802,705	710 · 501	32,970 214,711
Married decedents, total \$500,000 under \$1,000,000	556 325 231	844,724 228,330 616,394	56 *15 41	16,605 *457 16,148	1,136 724 413	1,537,390 522,674 1,014,716	181 79 102	44,068 4,748 39,320
Widowed decedents, total \$500,000 under \$1,000,000 \$1,000,000 or more	1 65 . 120 44	171,514 83,848 87,666	123 79 43	22,365 3,933 18,432	1,006 709 297	1,047,110 482,076 565,034	756 471 285	149,910 23,143 126,768
Single decedents, total	37 *25) 11	38,823 *16,215 22,607	20 *10 10	4,837 *142 4,695	147 109 37	129,023 74,202 54,821	96 61 35	11,634 2,706 8,928
Other decedents, total	81 45 36	107,734 29,255 78,479	56 *21 35	16,589 *823 15,766	228 150 79	273,223 105,089 168,135	1 78 99 79	42,069 2,374 39,695

Table 7.—Estate Tax Returns Filed for 1986 Female Decedents: Number of Returns and Gross Estate by Age and Marital Status of Decedent and by Size of Gross Estate—(Continued)

[All figures are estimates based on samples—money amounts are in thousands of dollars]

	Age of decedent (continued)									
Marital status, size of gross estate		70 to 79	years		80 to 89 years					
	Gross estate		Estate tax after credits		Gross estate		Estate tax after credits			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
All decedents, total	5,267	6,796,599	3,189	895,750	7,425	9,230,981	5,300	1,470,281		
\$500,000 under \$1,000,000 \$1,000,000 or more	3,571 1,696	2,467,452 4,329,147	1,906 1,283	97,893 797,857	4,990 2,436	3,429,092 5,801,889	3,223 2,077	177,759 1,292,522		
Married decedents, total	1,609 1,057 552	2,125,177 745,886 1,379,291	392 171 222	113,816 6,974 106,842	825 548 277	1,073,640 376,072 697,568	244	75,215		
Widowed decedents, total \$500,000 under \$1,000,000	3,233 2,235 998	4,157,153 1,521,467 2,635,686	2,475 1,540 935	714,296 81,924 632,372	5,832 3,891 1,940	7,365,464 2,677,341 4,688,123	4,598 2,817 1,781	1,311,695 158,775 1,152,921		
Single decedents, total	251 166 85	272,572 115,795 156,777	178 *108 70	29,135 *4,661 24,474	565 427 137	544,086 293,977 250,109	295 212 83	41,834 9,624 32,210		
Other decedents, total	174 113 61	241,697 84,304 157,393	143 *88 55	38,502 *4,333 34,169	203	247,791	163	41,537		

	Age of decedent (continued)					
Marital status, size of	90 years and over or unknown					
gross estate	Gross	s estate	Estate tax after credits			
	Number Amount		Number	Amount		
	(25)	(26)	(27)	(28)		
All decedents, total	3,493	4,633,717	2,677	767,123		
\$500,000 under \$1,000,000	2,317 1,176	1,601,407 3,032,310	1,623 1,054	82,109 685,014		
Married decedents, total	108 *64 44	221,332 *37,180 184,152	42 ••	17,595		
Widowed decedents, total \$500,000 under \$1,000,000	2,831 1,855 976	3,805,578 1,284,047 2,521,531	2,289 1,402 886	674,545 71,629 602,916		
Single decedents, total \$500,000 under \$1,000,000 \$1,000,000 or more	505 377 128	529,996 261,363 268,633	298 187 110	59,770 7,837 51,934		
Other decedents, total \$500,000 under \$1,000,000 \$1,000,000 or more	49 	76,812	49 	15,212		

NOTE: Detail may not add to totals because of rounding.

* Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

* Data combined to avoid disclosure of information for specific estate tax returns.

Estate Tax Returns, 1989-1991

by Barry W. Johnson

n 1991, there were 53,576 Federal estate tax returns filed for U.S. decedents with gross estates at or above the \$600,000 filing requirement, an 80 percent increase over the number filed at an equivalent threshold in 1982. These decedents had a combined total gross estate of \$90.9 billion, almost 94 percent more, in real terms, than their 1982 counterparts. The group of U.S. decedents with gross assets of at least \$5 million changed the most, increasing in number by 137 percent, while the gross assets grew by almost 143 percent between 1982 and 1991. Some of this growth is attributable to a tax law change which took effect in 1982, allowing an unlimited deduction from gross estate for bequests to a surviving spouse, thus potentially increasing the wealth of decedents who were widows or widowers.

Background

The Federal estate tax is a tax on the transfer of assets from a decedent's estate to its beneficiaries and is therefore levied on the estate. Beginning in 1977, the tax on yearly gifts greater than \$10,000 made by living individuals and transfers made by a decedent's estate have been combined into a single tax, with a single lifetime tax credit, known as the unified credit. Since 1987, this credit has been \$192,800, which is equivalent to the tax on \$600,000 worth of assets, creating, in effect, a filing threshold of \$600,000 [1]. Tax rates are graduated and ranged from 16 to 55 percent in 1989-1991. Relevant changes to the estate tax law are discussed in the appendix to this article.

The executor of an estate has up to 9 months after a decedent's death to file a return; a 6-month extension is available beyond that. Thus, returns filed in a particular year will include some returns filed for decedents dying in that year, but will be primarily for decedents who died in the previous year. There will also be a small number of returns for decedents who died in earlier years.

Because the returns filed in a given year represent decedents who died in many different years, the resulting data reflect different economic conditions and may be subject to different tax law environments. It is, therefore, useful to study decedents who died in the same year, by combining returns filed over a period of several years. By concentrating on a single year of death, these limitations can be overcome.

This article presents data from returns filed in 1989-1991, focusing on decedents who died in 1989 (see Data

Barry W. Johnson is an economist with the Foreign Special Projects Section. This article was prepared under the direction of Michael Alexander, Chief. Sources and Limitations). Data for the 1991 Filing Year are also presented to facilitate comparisons with past data [2]. When data from different filing years are being compared, all dollar values are converted to constant 1989 dollars (based on the decedent's year of death) in order to lessen the effects of inflation on the resulting trends [3].

1989 Decedents

There were an estimated 50,376 decedents who died in 1989 with gross estates at or above the \$600,000 filing requirement. They represented approximately 2.3 percent of the total U.S. decedent population [4]. Together, their gross estates totaled almost \$87.7 billion (see Figure A).

Figure A

1989 Estate Tax Decedents, Selected Items, by Sex of Decedent

[Money amounts are in millions of dollars]

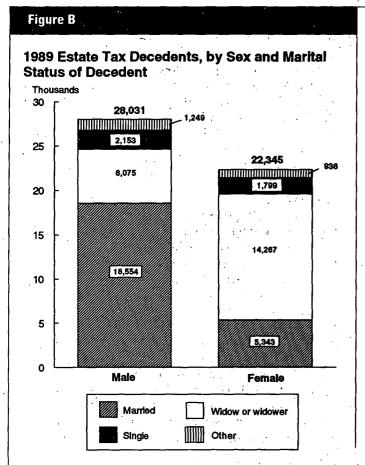
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Item	All decedents	Male decedents	Female decedents		
	(1)	(2)	(3)		
Number of returns	50,376	28,031	22,345		
Gross estate, date-of-death	87,684	52,469	35,215		
Allowable deductions	38,488	28,761	9,727		
Estate tax after credits	9,029	4,074	4,955		

NOTE: Detail may not add to totals because of rounding.

Females accounted for approximately 44 percent of the 1989 estate tax decedents and for about 40 percent of the reported gross estate. The majority, 64 percent, of them were widowed; only 24 percent were married (see Figure B). Overall, the average value of their gross estates was almost \$1.6 million, slightly higher for married decedents than for those who were widowed, and much lower, \$1.3 million, for the 8 percent who were single at death.

Over 66 percent of male estate tax decedents who died in 1989 were married and 22 percent were widowers. Male decedents who were married at the time of their death had an average gross estate of almost \$2.0 million, while widowers had an average estate of \$1.6 million. The average size of gross estate for those who were single was almost \$1.8 million, significantly higher than their female counterparts.

The average age at death for male decedents was 73.8 years. This was 2.0 years higher than the national average for all U.S. male decedents in 1989. For female decedents, the average age at death was 79.9 years, again higher than the national average for women, but by only 1.3 years. These results are not surprising because it is well documented that the wealthy live longer than the general



population due to factors such as safer work environments, better access to health care and better nutrition. It should also be noted that the gap between the average age of males and females for whom estate tax returns were filed, 6.1 years, was less than the 6.8 year average difference for the general population. This gap has been declining in the general population since the 1970's [5].

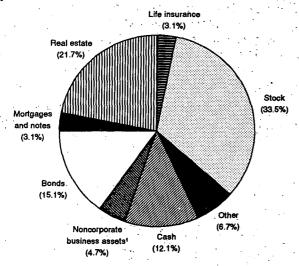
Although females made up a smaller portion of the total filers, estate tax returns filed for female decedents reported the largest estate tax liability, accounting for about 55 percent or almost \$5 billion of the total reported for all 1989 decedents. This is attributable mainly to the use of the unlimited marital deduction to postpone payment of estate taxes until the death of the second spouse. Because female decedents lived, on average, over 6 years longer than males, their estates are most often liable for the estate tax.

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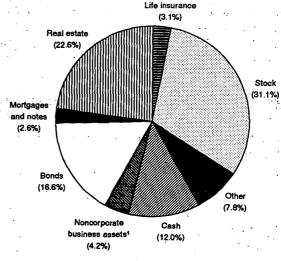
Overall, investments in corporate stock made up the largest share of gross estate for decedents who died in 1989, accounting for \$27.2 billion or about 31 percent (see Figure C). Of this amount, at least \$7.1 billion had been invested in closely held corporations [6]. Real estate holdings accounted for almost 23 percent of the total. Investments in corporate, foreign, and Federal or State and local Government bonds amounted to almost 17

Figure C

Composition of Gross Estate of 1986 and 1989 Decedents



1986 Decedents



1989 Decedents

¹ Includes farm assets and limited partnerships.

NOTE: All percentages are based on values converted to constant 1989 dollars

percent of these estates; tax-exempt State and local Government bonds accounted for almost 68 percent of total bond investments. Cash was the fourth largest asset category, with a total of \$10.6 billion, which amounted to 12 percent of the total. The rest was distributed fairly evenly among the remaining categories. The category in Figure C labeled "other assets" includes well over \$1.1 billion in art investments.

A comparison of the composition of the estates of 1989 decedents with that of 1986 decedents shows little change. The percentage of assets held as corporate stock decreased from 33.5 percent to 31.1 percent, while the portions held as bonds and cash both increased. The popularity of mutual funds among investors increased notably between 1986 and 1989, with money market and bond funds experiencing the most growth [7]. This may have contributed to the increase in the percentage of assets held as cash, since money market mutual funds are included there. The increase in the relative amount held as real estate from 21.6 to 22.6 percent continues the trend observed in studies of 1982 and 1986 decedents [8].

Alternate Valuation

Federal estate tax law provides for the "alternate valuation" of an estate in the event that there is a decline in the value of the estate within 6 months of the decedent's death. If elected, the value of all assets must be reported on the tax return at both the date-of-death and alternate values. Alternate valuation must result in a net decrease in the value of the estate, even though some individual assets may actually have a higher value at the later valuation date.

Alternate valuation was elected for the estates of 4,710 decedents who died in 1989, or about 9 percent of all returns filed, lowering the value of these estates by over \$500 million (see Figure D). For estates electing alternate valuation, the value of corporate and foreign bonds

declined by about 19 percent, the largest change to any single asset category. The value of stock in closely held companies declined by about 13 percent. This is not surprising since many closely held corporations are small and much of their value is dependent on the reputation or skills of one or a few individuals, in this case, the skills of the decedent. It is notable that the alternate value of State and local Government bonds was actually higher, overall, than their value at the time of the decedent's death.

Deductions

As in the past, bequests to a surviving spouse accounted for the largest single deduction from total gross estate for 1989 decedents (see Figure E). In general, bequests made to a decedent's spouse are fully deductible from total gross estate. This deduction accounted for 79.1 percent of the total for estates with no tax liability and almost 50 percent of the deductions for taxable estates (i.e., those reporting a tax liability). The second most significant deduction was that for bequests to charities, accounting for 10.6 percent of total deductions for nontaxable estates and 22.5 percent for those reporting taxes. The category in Figure E labeled "other" includes deductions of \$242 million for funeral expenses, \$656 million for estate administration expenses and over \$1.6 billion (about 2 percent of total gross estate) for attorney and executor fees.

Charitable Bequests

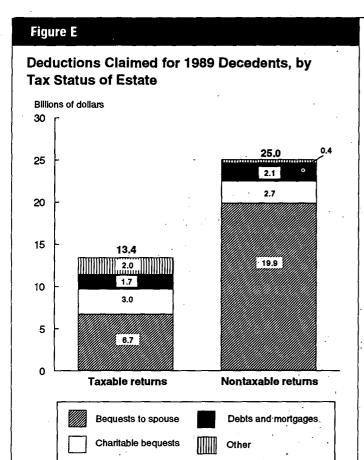
Over 19 percent of all 1989 decedents made a charitable bequest. Estates with no tax liability reported a deduction for charitable bequests which was 7.3 percent of gross assets, in contrast to a deduction for charitable bequests of just 5.9 percent reported on returns showing a tax liability [9]. The fact that estates in the latter group did not elect to make a larger charitable bequest, thereby reducing their estate tax liability, suggests that tax incentives provide

Figure D

Date-of-Death and Alternate Values for Selected Assets Reported by Estates Electing Alternate Valuation, 1989 Decedents

Money amounts are in thousands of dollars!

Selected assets	Date-of-death value	Alternate value	Percentage difference
	(1)	(2)	(3)
Total gross estate	11,485,203	10,973,073	-4.5
Real estate	1,673,619	1,600,858	-4.3
State and local Government bonds	1,548,988	1,563,207	0.9
Corporate and foreign bonds	156,667	126,521	-19.2
Closely held stock	1,295,785	1,128,747	-12.9
Other stock	3,577,951	3,358,688	-6.1
Noncorporate business assets	279,065	269,260	-3.5



only a part of the motivation for charitable giving [10]. Single decedents were the most likely to make charitable bequests; almost 55 percent of single female decedents and more than one-third of single male decedents made a bequest to charitable organizations (see Figure F). Over 29 percent of widowed females, the third most

philanthropic group, made a charitable bequest. In contrast, only about 8 percent of married male or female decedents included charities among the beneficiaries of their estates. These findings are indicative of the competition that can exist between family obligations and philanthropic goals.

Single decedents who made charitable bequests gave almost 44 percent of their net worth to charities. Single males, giving 49 percent of their net worth, were the most generous. Married decedents made the smallest bequests, giving only 11 percent of their net worth to charities. In general, male decedents gave a larger share of their net worth to charities than did females.

As a group, 1989 decedents gave almost \$5.8 billion to charities. Almost 60 percent of those making charitable gifts included religious organizations among their beneficiaries, making them the most frequently remembered group. However, the size of the individual bequests were, on average, smaller than those given to other organizations. The largest share of bequests from female decedents (nearly \$1 billion) went to organizations involved in education, medical care or scientific research (see Figure G). Male decedents favored private foundations, bequeathing them over \$1 billion. These are organizations established by the decedent or other family members which are usually involved in a variety of philanthropic activities. They are becoming increasingly popular because they afford the donor more control over the uses of gifts and often create a more lasting legacy [11].

Filing Year Data

Between 1982 and 1991, the number of estate tax returns filed for U.S. decedents with gross estates of at least \$650,000 increased by almost 81 percent [12,13]. The

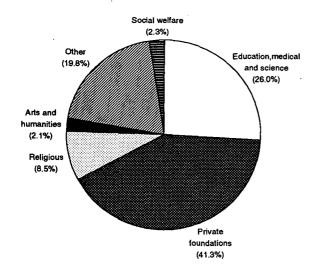
Figure F

Estates of 1989 Decedents with Net Worth of \$500,000 or More and with Charitable Bequests: Donors as a Percentage of All Decedents and Gifts as a Percentage of Net Worth, by Sex and Marital Status of Decedent

Marital status	Ail decedents		Male decedents		Female decedents	
	Percentage that were donors	Percentage of net worth given	Percentage that were donors	Percentage of net worth given	Percentage that were donors	Percentage of net worth given
	(1)	(2)	(3)	(4)	(5)	(6)
Total	19.5	23.7	14.3	22.9	25.9	24.6
Married	8.1	10.9	8.2	11.3	7.8	9.0
Nidow or widower	26.9	24.6	25.1	26.0	29.1	24.1
Single	43.2	43.7	33.5	49.0 ·	54.7	36.9
Other	21.7	32.7	18.9	36.2	25.6	29.2

Figure G

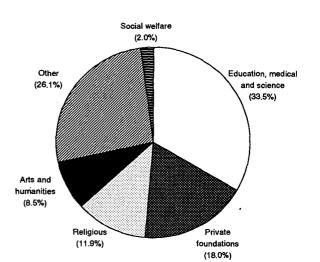
Recipients of Charitable Bequests, by Sex of 1989 Decedents



Male Decedents

ware Decedents

NOTE: Percentages are based on amounts of charitable bequests made by decedents



Female Decedents

graph in Figure H shows the number of returns plotted along with gross assets, by filing year [14]. The difference in the slope of the two lines indicates that the value of assets held by this group has grown faster than the number of filers. A closer look at this increase shows that the number of filers with gross estates of less than \$5 million increased by about 80 percent between 1982 and 1991, as did the total value of the assets, meaning that most of the increase in total assets was due to the increased number of filers above this level of wealth (see Figure I). On the other hand, the number of returns filed for decedents with at least \$5 million in gross assets grew over 137 percent while the combined value of the assets increased about 143 percent over the same period.

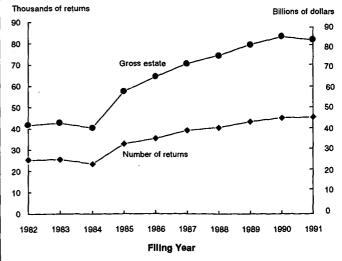
In contrast to the large increase in both the number and wealth of estate tax decedents during the period 1982-1991, the real value of tax generated by their estates rose by a more modest 30 percent (see Figure J). This relatively small change was due to several significant modifications to the estate tax law which took effect during the same period. These included the introduction of the unlimited deduction for assets left to a surviving spouse and the lowering of the top tax rate from 70 to 55 percent, and an increase in the unified credit.

Much of the growth in both the number of filers and the total wealth they held is partially attributable to the boom in both the real estate and stock markets during this

period. Another important factor may be the effect of the unlimited deduction from gross estate allowed for bequests to a surviving spouse. This law encourages a decedent spouse to leave the bulk of his or her estate to

Figure H

Number and Gross Estate for Decedents with Gross Estate of \$650,000 or More, Filing Years 1982-1991¹



1 Gross estate is based on values converted to constant 1989 dollars.

Figure I

Estate Tax Returns Filed in 1982-1991: Number of Returns and Total Gross Estate, by Size of Gross Estate and Filing Year¹

[Numbers of returns are in thousands, money amounts are in millions of dollars]

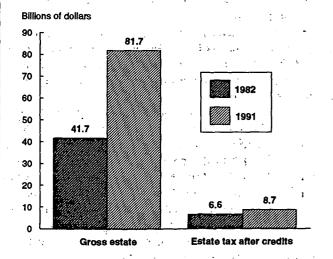
Filing year	Т	otal	\$650 under \$1	,000,000	\$1,00 under \$5	· 1	\$5,000 or n	0,000 nore
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)·	(8)
1982	25.1	41,638	12.4	9,773	11.9	20,928	0.8 .	10,937
1983	25.4	42,436	12.7	10,062	11.8	20,653	0.9	11,721
1984	23.3	40,303	12.2	9,713	10.1	18,483	1.0	12,107
1985	32.7	57,422	15.9	12,615	15.4	27,007	1.4	17,800
1986:	35.2	64,399	16.7	13,210	17.0	32,325	1.5	18,864
1987	39.0	70,594	18.4	14,707	18.7	34,028	1.8	21,860
1988	40.5	74,502	18.2	14,560	20.7	37,151	1.7	22,792
1989	43.2	79,567	20.3	16,016	21.0	38,918	1.9	24,634
1990		83,258	21.2	16,856	21.9	39,535	2.0	26,868
1991		81,678	22.1	17,680	21.4	37,413	1.9	26,585
Percentage increase, 1982-1991		96.2	78.2	80.9	79.8	78.8	137.5	143.1

¹ Gross estate is based on values converted to constant 1989 dollars.

the surviving spouse, creating more, wealthier widows and widowers, thus increasing the number of returns subsequently filed after the death of the surviving spouse. Total assets owned by the U.S. household sector, as measured by the Federal Reserve Board's Flow of Funds accounts, grew by an inflation-adjusted 40 percent during 1982-1991. While it is not surprising that the value of assets owned by individuals at the upper end of the wealth distribution would increase at a rate higher than that of the

Figure J

Gross Estate and Estate Tax After Credits for Returns Filed for Decedents with Gross Estates of \$650,000 or More, Filing Years 1982 and 1991



1 Gross estate is based on values converted to constant 1989 dollars.

general population, some of the difference is certainly due to changes in bequest patterns.

Summary

Of the estimated 50,376 decedents who died in 1989 with gross assets at or above the \$600,000 filing requirement, 44 percent were female. While they owned only about 40 percent of the gross assets, their estates incurred almost 55 percent of the tax liability for all 1989 decedents. Female decedents had an average age at death of 79.9 years, 6.1 years more than that of male decedents.

Investments in corporate stock made up the largest share of gross estate for 1989 decedents, with real estate holdings accounting for the second largest share of the total. Estates of 1989 decedents held more of their assets as bonds and cash than did those of 1986 decedents. Taxexempt State and local Government bonds accounted for the largest share of total bond holdings.

The number of estate tax returns filed for decedents with estates above a constant dollar threshold (\$650,000) increased 80 percent between 1982 and 1991. The number of estates with gross assets of \$5 million or more increased by 137 percent while the value of the assets grew by 143 percent. Because of significant revisions to the tax code, the relative amount of tax liability reported on all Federal estate tax returns increased by only 30 percent over the same period.

Data Sources and Limitations

The data presented in this article are estimates based on samples of Federal estate tax returns filed in 1989, 1990

and 1991. These samples were limited to returns filed for decedents who died after 1981 with total gross estates of at least \$500,000. (A \$500,000 threshold was used in order to include any delinquent returns filed for decedents dying before 1987.) The sample for the 1989 Filing Year included 7,317 returns out of a total population of 48,097. In 1990, the year in which most returns for 1989 decedents were filed, 15,043 returns were sampled out of a total of 53,228. There were 6,991 returns out of 56,512 sampled during the 1991 Filing Year. Of the 26,351 returns sampled during 1989-1991, there were 17,571 returns filed for 1989 decedents.

Estate tax returns were statistically sampled while the returns were being processed for administrative purposes, but before any audit examination. Thus, returns were selected on a flow basis, using a stratified random probability sampling method, whereby the sample rates were preset based on the desired sample size and an estimate of the population. The design had three stratification variables: year of death, age at death and size of total gross estate. For the 1989-1991 Filing Years, the year of death variable was separated into two categories: 1989 year of death and non-1989 year of death. Age was disaggregated into five categories: under 40, 40 under 50, 50 under 65, 65 under 75, and 75 and older (including age unknown). Total gross estate was limited to three categories: \$500,000 under \$1 million, \$1 million under \$5 million, and \$5 million or more. Sampling rates ranged from 7 to 100 percent; returns for over half of the strata were selected at the 100 percent rate.

An examination of returns filed between 1982 and 1991 revealed that almost 99 percent of all returns for decedents who die in a given year are filed by the end of the second calendar year following the year of death. Further, the decedent's age at death and the length of time between the decedent's date of death and the filing of an estate tax return are related. It was therefore possible to predict the percentage of unfiled returns within age strata, using an ordinary least squares regression model. The sample weights were adjusted accordingly, in order to account for returns for 1989 decedents not filed by the end of the 1991 Filing Year.

Explanation of Selected Terms

Brief definitions of some of the terms used in this article are provided below:

Adjusted taxable estate.—Adjusted taxable estate was equal to the sum of taxable estate and adjusted taxable gifts.

Adjusted taxable gifts.—Certain gifts made during the life of an individual who died before 1982 were automati-

cally included in the gross estate. However, for the estate of an individual who died after 1981, these gifts were not generally included in the gross estate. Instead, they were added to the taxable estate, creating the "adjusted taxable estate" for the purposes of determining the "estate tax before credits."

Annuities.—These were investments for which a person received a fixed income for a set period of time. They include assets related to pensions or retirement, such as equity in a Keogh self-employed retirement plan or in individual retirement arrangements (IRA's).

Bequests to a surviving spouse.—This was equal to the value of property interests passing from the decedent to the surviving spouse and was taken as a deduction from the "total gross estate."

Closely held stock.—This is stock in any corporation which was not traded on a public stock exchange. It most often refers to a small corporation in which a decedent exercised a great deal of control as evidenced by a large percentage of ownership. It is shown separately because it is often difficult for executors to value such stock since it is not frequently traded and because the value of these companies is often very dependent on the personality or skills of their owners, and may change if the primary owner dies.

Estate tax after credits.—This was the tax liability of the estate remaining after subtraction of credits for State death taxes, foreign death taxes, taxes on prior transfers and Federal gift taxes previously paid. In addition, a "unified credit," graduated according to the year of death and a "credit" for gift taxes paid on post-1976 gifts, is allowed (see also "Unified credit").

Estate tax before credits.—This was the tax obtained by applying the graduated estate tax rates to the adjusted taxable estate reduced by the amount of Federal gift taxes previously paid.

Federal gift taxes previously paid.—Credit was allowed against the estate tax for the Federal gift tax paid on a gift made by a decedent before 1977. No credit, apart from the unified credit, was allowed for any gift tax paid on gifts made after 1976.

Lifetime transfers.—Included were two categories of gifts that, by law, had to be reported in total gross estate: gifts taking effect at death, and gifts of property in which the decedent retained some rights during his or her lifetime. (Lifetime transfers are shown in total as an information item in Tables 1 and 2; the types of property transferred are not shown separately, but are included instead in the property types comprising total gross estate.)

Net worth.—Net worth was equal to the total gross estate less mortgages and other debts.

Nontaxable returns.—Nontaxable returns were those with no estate tax liability after credits.

Other tax credits.—This is the sum of all tax credits (other than the unified credit) taken as a deduction from the estate tax before credits. Included are credits for State death taxes, foreign death taxes, Federal gift taxes and taxes on prior transfers.

Tax on prior transfers.—A tax credit was allowed for Federal estate tax paid on property received by the decedent or the estate from a transferor who died within 10 years before, or 2 years after, the decedent. The credit was intended to lessen the burden of double taxation between successive estates whose owners had died within a short period of time. Depending on the time that elapsed between the deaths, a credit was allowed for all or part of the Federal estate tax paid by the transferor's estate with respect to the transfer.

Taxable estate.—Taxable estate is the base to which the graduated Federal estate tax rates are applied in computing the estate tax before credits. Taxable estate is equal to the value of the "total gross estate" less deductions for the following: funeral and administrative expenses; casualty and theft losses; debts, mortgages, losses and other claims against the estate, including pledges to charitable organizations; bequests to the surviving spouse; and the "employee stock ownership plan" (ESOP) deduction (included in the statistics for "other expenses and losses").

Taxable returns.—Taxable returns were those with an amount of estate tax after credits.

Total gross estate.—An estate tax return was required in the case of every decedent whose gross estate at the time of death exceeded the legal filing requirement in effect for the year of death. For estate tax purposes, the gross estate included all property, or interests in property, before reduction by debts (except policy loans against insurance) and mortgages, or administrative expenses. Included in the gross estate were such items as real estate, tangible and intangible personal property, certain lifetime gifts made by the decedent, property in which the decedent had a general power of appointment, the decedent's interest in annuities receivable by the surviving beneficiary, the decedent's share in community property, life insurance proceeds (even though payable to beneficiaries other than the estate), dower or courtesy of the surviving spouse (inherited property) and, with certain exceptions, joint estates with right of survivorship and tenancies by the entirety. In this article, it almost always refers to the value of assets at the time of the decedent's death (see also "Total gross estate, alternate value" and "Total gross estate, tax purposes").

Total gross estate, alternate value.—All property included in the gross estate could be valued at one of two

points in time. While the value of the gross estate at the date of death determined whether an estate tax return had to be filed, the executor of the estate had the option of valuing the estate as of the date of death or 6 months thereafter. (Any property sold, exchanged or otherwise disposed of within the 6 months was valued as of the date of the disposition.)

Total gross estate, tax purposes.—This measure is used to define the valuation method used by the decedent's executor to calculate taxable estate and, ultimately, the estate tax liability, if any. If alternate valuation was elected, this will be the alternately valued amount of gross assets, otherwise, it will be the value of all assets (see "Total gross estate") at the time of the decedent's death.

Unified credit.—The unified credit, so called because it is used for both estate and gift tax purposes, is applied as a dollar-for-dollar reduction of the estate tax. (The unified credit represents the amount of tax on that part of gross estate which is below the filing requirement.) The credit must be used to offset gift taxes on lifetime transfers made after 1976. However, to the extent it is so used, the amount of credit available at death is reduced.

Notes and References

[1] The Economic Recovery Tax Act of 1981 provided for the following increases in the Federal estate tax filing threshold and corresponding unified credit:

Year of death	Filing threshold	Unified credit
1982	\$225,000	\$ 62,800
1983	275,000	79,300
1984	325,000	96,300
1985	400,000	121,800
1986	500,000	155,800
1987 and thereaft	er 600,000	192,800

- [2] Data for the 1989 and 1990 Filing Years are available in the Statistics of Income Bulletin, Winter 1991-1992, Volume 11, Number 3, 1992.
- [3] All figures were converted to constant 1989 dollars using the implicit price deflator for gross domestic product, Economic Report of the President, U.S. Office of Management and Budget, 1993. Only returns with \$600,000 or more of gross estate in 1989 dollars were included.
- [4] National Center for Health Statistics, Monthly Vital Statistics Report, Volume 40, Number 8, Supplement 2, Washington, DC, January 7, 1992.
- [5] *Ibid.*

- [6] Untraded or closely held stock is identified from the descriptions of assets provided by executors on the Federal estate tax return. When such descriptions are too vague (or absent) to make a reasonable determination, amounts are included in the more general "other corporate stock" category. Therefore, the estimate of "closely held stock" presented in this paper should be considered extremely conservative.
- [7] Investment Company Institute, 1990 Guide to Mutual Funds, 1990.
- [8] Johnson, Barry W., "Estate Tax Returns, 1986-1988," Statistics of Income Bulletin, Spring 1990, Volume 9, Number 4, 1990.
- [9] Because charitable bequests are included in deductions from gross estate, and therefore endogenous to the determination of taxable and nontaxable returns, the distinction between these groups should be viewed with caution. A generally accepted practice is to remove the deduction for charitable bequests from total deductions and then recalculate the estate tax liability in order to examine the effect of taxation on charitable giving. (See Joulfaian, David, "Charitable Bequests and Estate Taxes," paper presented at the Allied Social Science Annual Meetings, 1990.)
- [10] Johnson, Barry and Rosenfeld, Jeffrey, "Factors Affecting Charitable Giving: Inferences From Estate Tax Returns, 1986," Statistics of Income and Related Administrative Record Research: 1990, July 1992, pp. 55-62.
- [11] Meckstroth, Alicia, "Private Foundations and Charitable Trusts, 1989," Statistics of Income Bulletin, Winter 1992-1993, Volume 12, Number 3, pp. 24-62, 1993.
- [12] A constant dollar threshold of \$650,000 is used for this analysis because a constant dollar \$600,000 threshold actually falls below the current dollar filing threshold for decedent's dying in 1987 and 1988, thus providing incomplete information for those years. The slightly higher threshold eliminates this problem, giving a more accurate estimate of the changes from year to year. The threshold is applied to the "total gross estate" used for calculating Federal estate tax liability and may include the value of the estate at the time of the decedent's death, or its value 6 months later (see Explanation of Selected Terms, "Total gross estate, alternate value").
- [13] This analysis is limited to returns filed in 1982-1991 because Statistics of Income did not resume annual

- studies of estate tax returns until 1982. The next most recent study was done for 1977, focusing mainly on returns filed for 1976 decedents, whose estates were subject to significantly different tax laws than those in effect for returns filed during 1982-1991.
- [14] Statistics of Income samples of estate tax returns filed in 1984 and 1985 focused primarily on decedents who died in 1982. Estimates of the general population of filers in each of these years are therefore subject to considerable sampling variability.

Appendix: Tax Law Changes Affecting 1989-1991 Estate Tax Statistics

The modern estate tax has been in effect since 1916. While the tax rates and filing requirements have changed from time to time, there have been relatively few changes in the basic structure of the estate tax since its inception. The data in this article have been affected by revisions included in the Technical and Miscellaneous Revenue Act of 1988, the Revenue Reconciliation Act of 1989, and the Revenue Reconciliation Act of 1990.

Technical and Miscellaneous Revenue Act of 1988

The Technical and Miscellaneous Revenue Act of 1988 made several important changes to existing estate tax law, including clarifying and revising rules applying to the deduction for bequests to a surviving spouse, bequests to grandchildren and transfers of interests in business enterprises to family members.

Estate Freeze Rules

An "estate freeze" occurs when a person transfers a share of property to another family member which has a disproportionately large share of the potential appreciation in an enterprise, while maintaining an interest or share in the income or rights in that enterprise. A common practice is for a parent to give the common stock in a closely held corporation to a child, while the parent retains the preferred stock. The parent would pay a gift tax for the value of the common stock (usually undervalued to minimize taxes) at the time of the transfer, while maintaining control of the company and an income for life. All future appreciation in the value of the company would increase the value of the common stock, effectively "freezing" the value of the company held by the parent at its value at the time of the transfer.

The estate freeze provisions of the 1988 Act provided that whenever such a transfer is made and any interest or share in the income or rights is retained by the transferor, the value of the enterprise would be included in the transferor's estate. (Under prior law, the retained interest had to be disproportionately large for the freeze provisions to apply.) If the transferor was married, and chose to pass the retained interests to the surviving spouse, the freeze provisions would not apply until the death of the surviving spouse. In cases where a family member purchased the substantial interest from the transferor for "full and adequate consideration" using consideration (usually money) which was never acquired from the transferor, only a fraction of the value of the enterprise would be includible in the transferor's estate.

The 1988 Act provided several exceptions or "safe harbors" for business transactions which did not resemble retained life interests. The retention of "qualified debt" was one of these exceptions. In order to qualify, the debt must require fixed payment of principal and interest over a fixed term of not more than 15 years (30 years, if secured by real property). The debt could not grant voting rights, be convertible into an interest in the enterprise, nor be subordinated to the rights of general creditors. Similar exemptions existed when a transferor retained a debt incurred for the cash to start-up an enterprise, rights to purchase options or rights to sell or lease goods or property to the enterprise under certain conditions.

Other provisions of the Act pertaining to estate freezes provided for the treatment of later transfers, including transfer of the transferor's retained interest, as well as transfer of the original transferred property by the original transferee. In general, such events were treated as gifts, resulting in gift tax liability and adjustments to the value of the enterprise which would be includible in the transferor's estate.

Bequests of Property Interests to a Surviving Spouse Under previous law, no marital deduction was allowed for estate interests passed to a surviving spouse unless the surviving spouse had a terminal interest in the property, i.e., control over the transfer of the property at the time of his or her death. The 1988 Act provided a marital deduction for life interests in property for which the surviving spouse had no terminal interest, as long as it was "qualified terminal interest property" (QTIP). QTIP is property in which the spouse has sole right to all income during his or her lifetime, payable at least annually, but no power to transfer the property at death. The Act permitted the marital deduction for such property because the QTIP would be included in the surviving spouse's gross estate through the QTIP election on the decedent spouse's estate tax return.

Non-Citizen Surviving Spouses

Prior to the 1988 Act, U.S. citizens and residents were allowed an unlimited deduction for the value of most property passing to a spouse, regardless of the surviving spouse's citizenship. Under the Act, transfers to a surviving spouse who is not a U.S. citizen would not qualify for the deduction, unless the property was placed in a "qualified domestic trust" (QDT) before the due date of the decedent spouse's estate tax return.

A QDT must satisfy the following requirements under the 1988 Act:

- 1. all trustees must be U.S. citizens or domestic corporations,
- 2. the surviving spouse must be entitled to all trust income and it must be payable at least annually,
- 3. the trust must fulfill requirements to ensure that its proceeds will be subject to U.S. estate tax upon the surviving spouse's death, and
 - 4. the trust must be irrevocable.

Any distribution from the principal of the trust would be subject to estate tax as though the distributed assets had been included in the deceased spouse's estate. Likewise, if during the life of the surviving spouse a non-U.S. citizen or corporation became trustee of the QDT, the trust would be immediately subject to estate tax.

This section of the 1988 Act also provided for the inclusion of more than one-half of the value of any jointly held marital property in the estate of a decedent whose surviving spouse is not a U.S. citizen. Prior to this, only one-half of the value of such property was included in the gross estate of a decedent spouse, regardless of the actual amount of consideration provided by each spouse toward the purchase of the property. The 1988 Act removed this limitation when the spouse was not a U.S. citizen. In such cases, the included value would be based solely on the consideration supplied by the decedent spouse toward the original purchase of the property.

Generation Skipping Transfers

The 1986 Tax Reform Act contained a complete revision to the generation skipping transfer (GST) tax originally enacted in 1976. In a typical generation skipping transfer, a parent either places assets in an irrevocable trust, retaining an income interest in those assets, or provides for the creation of a testamentary trust at the time of his or her death. In either case, after the death of the parent, the transferor's children would be given a life income interest in the trust. After the death of the children, the income and principal of the trust would be passed to the original transferor's grandchildren. Assets originally placed in trust would be subject to gift or estate taxes at the time of

the transfer, but would not be taxable again, until the death of the grandchildren.

The GST tax provided for the imposition of a flat rate tax each time an income interest terminated, or a distribution was made from the principal of the trust, or a grand-parent made a bequest to a grandchild whose parents were still living. The 1988 Act contained a number of clarifications and revisions to the generation skipping transfer (GST) tax as enacted by the 1986 Tax Reform Act. Most of these were brought about to ensure that the GST imposes a tax that is equivalent to the estate or gift tax that would have been imposed if the property were transferred outright to each successive generation.

Additional Provisions of the 1988 Act

- 1. Under previous law, the estate tax value of farmland could be specially valued as a farm, rather than as real estate generally. It must have been used by the decedent as a farm and must be maintained as a farm after the decedent's death. If the decedent had rented the land to a family member for farming, it would still qualify for special valuation; however, if the surviving spouse rented the land to a family member for farming after the decedent's death, it would not qualify. The 1988 Act allowed the surviving spouse to rent the farmland to a family member without violating the special use valuation provisions.
- 2. The 1988 Act required that the Internal Revenue Service update mortality tables and interest rates used to value annuities and interests for life or terms of years. The interest rate would be variable, based on the Federal midterm rate, and mortality tables were to be updated by December 31, 1989, and every 10 years thereafter.
- 3. The 1986 Tax Reform Act provided for the deduction of 50 percent of the qualified proceeds from the sale of employer securities to "employee stock ownership plans" (ESOP's) or eligible worker-owned cooperatives. The 1988 Act conformed rules governing the participation in such plans by surviving members of the decedent's family, the estate or related companies, to those applicable when a living taxpayer makes a similar sale. It also clarified the statutory period for accessing fines in the event that these rules were violated.
- 4. Loans of art work to charitable organizations would not be treated as transfers for gift tax purposes under the 1988 Act, provided that they were used in connection with the organization's tax-exempt function. The full value of such art would be included in the estate of its owner, even if it were on extended loan at the time of the owner's death.

Revenue Reconciliation Act of 1989

The Revenue Reconciliation Act of 1989 made relatively few changes to the estate tax law. The most significant change was the complete repeal of all provisions for a 50 percent deduction for sales of employer securities to ESOP's or worker-owned cooperatives. The only other significant changes dealt with revisions and clarifications to the 1988 rules regarding deductions for bequests to non-citizen spouses.

The 1989 Act revised the marital deduction by allowing for bequests to a non-citizen spouse through an irrevocable QDT, even in cases where the surviving spouse was only the life beneficiary of such a trust, without any terminal interests. It also provided that property passing to the surviving spouse would qualify for the marital deduction in the event that the non-citizen spouse became a U.S. citizen after the decedent's death, but before the decedent spouse's estate tax return had been filed, provided that the surviving spouse had been a U.S. resident at all times after the decedent's death. Finally, the 1989 Act permitted gifts from the decedent spouse to the noncitizen surviving spouse which had been used to purchase marital joint property to qualify as the surviving spouse's consideration in determining the value of such property to be included in the estate of the decedent spouse.

The 1989 Act included some modifications to the definition of a QDT. Only one trustee of the QDT needed to be a U.S. citizen, but that trustee would be required to approve all distributions. Not all of the income of the trust had to be paid to the surviving spouse, as long as the trust would qualify for a marital deduction if the surviving spouse had been a citizen. All deductions from gross estate (i.e., charitable bequests, debts and funeral expenses) were allowed when calculating estate tax on distributions from the QDT. In addition, distributions made due to hardship would not be subject to estate tax. Lastly, distributions made from the trust after a surviving spouse became a U.S. citizen would not be subject to tax as long as the surviving spouse had been a U.S. resident since the death of the decedent spouse.

Revenue Reconciliation Act of 1990

The Revenue Reconciliation Act of 1990 dealt mainly with modifications to existing rules regarding generation skipping transfers, deductions for bequests to non-citizen surviving spouses and estate freezes.

Estate Freeze Rules

The most significant estate tax consequence of the Revenue Reconciliation Act of 1990 was the repeal of the estate freeze legislation introduced in the Omnibus Budget Reconciliation Act of 1987, along with all subsequent revisions. In its place, the new Act changed gift tax rules dealing with the valuation of gifts at the time of the transfer. The value of the gift was to be calculated as the value of the enterprise minus the value of the transferor's retained interest. By establishing specific rules for the valuation of the retained interest, the 1990 Act attempted to impose more control over the valuation of gifts.

Because the value of a retained interest is often based in large part on discretionary rights as to dividends, liquidation, conversion, calls or puts, these rights were given no value under the guidelines established by the 1990 Act unless they were only exercisable at specific times and for specific amounts. If such rights were unexecuted at the time of the decedent's death, their value would be included in the decedent's gross estate, even though after death they would have no value. In general, if a decedent's family owned more than 50 percent of an entity, the 1990 rules assumed that all retained interests would be exercised at their lowest possible value.

The 1990 Act did, however, provide certain exceptions to the valuation rules, as in the case where there are readily obtainable market quotes for valuing the transferred property. Similarly, if the retained interest was substantially the same as the transferred interest, the valuation rules generally did not apply.

Non-Citizen Spouses

The 1990 Act further modified the definition of a qualified domestic trust by eliminating the requirement that the U.S. citizen trustee approve all distributions from a QDT.

Instead, it gave that trustee the right to withhold the potential amount of estate tax on such a distribution. It allowed for the payment of Federal income tax on a QDT asset (such as on capital gains) from the principal of the trust without incurring additional estate tax. It also allowed foreign and State death tax credits against estate tax due on the QDT at the death of the surviving spouse, if the property for which the credit was allowed would have been part of the gross estate of a U.S. citizen. Finally, the deduction for a QDT was disallowed if the estate tax return was filed delinquently, i.e., more than 1 year after the due date (including filing extensions).

The rule for determining the value of marital joint property includible in the decedent spouse's estate was further relaxed under the 1990 Act. Any transfer from the surviving spouse which created a joint tenancy would be treated as consideration belonging to the surviving spouse, if the transfer would have constituted a gift had the donor been a U.S. citizen.

Generation Skipping Transfers

The 1990 Act also contained two minor revisions with regard to generation skipping transfer trusts. The first was to define distributions from from the principle of the trust which were required by State law as nontaxable distributions, as long as such distributions were discretionary or pursuant to any to any State law substantially equivilant to the Uniform Gifts to Minors Act. The other was to require that the assets of a trust which terminate on the death of the beneficiary be includible in that person's gross estate in order for the trust to qualify as a generation skipping trust.

Table 1a.-Returns Filed in 1989: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate

(All figures are estimates based on samples-money amounts are in thousands of dollars)

						•	Type of	Type of property				
Size of gross estate	Number of returns	Gross estate	Real	Real estate	Closely held stock	eld stock	Other	Other stock	Federal sa	Federal savings bonds	Other Fec	Other Federal bonds
			Number	Amount	Number	Amount ·	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(e)	(4)	(5)	(9)	(2)	(8)	(6)	(10)	(11)	(12)
All returns, total	45,695	77,997,246	38,921	18,538,751	5,793	5,561,423	36,819	18,975,558	6,899	363,344	13,581	2,527,240
\$600,000 under \$1,000,000.	23,927	18,089,359	19,774	5,161,534	1,895	348,716	18,294	3,750,340	3,815	128,048	6,910	699,310
\$1,000,000 under \$2,500,000.	16,135	23,814,138	14,103	6,210,406	2,450	935,680	13,463	5,376,600	2,421	168,823	4,750	645,244
\$2,500,000 under \$5,000,000	3,872	13,190,981	3,424	2,969,414	288	705,707	3,468	3,527,967	48 9	33,726	1,274	411,773
\$5,000,000 under \$10,000,000	1,170	7,969,456	1,063	1,523,416	320	813,344	1,051	2,266,766	127	11,853	\$	243,151
\$10,000,000 under \$20,000,000	401	5,430,575	377	894,986	8	601,147	370	1,635,480	ස	2,637	<u>8</u>	210,233
\$20,000,000 or more	191	9,502,738	181	1,778,994	75	2,062,828	52	2,418,415	o.	18,257	87	317,529
Taxable returns, total	20,695	43,093,699	16,952	9,312,700	2,246	2,539,556	17,353	12,454,742	3,383	213,397	7,055	1,661,307
\$600,000 under \$1,000,000.	8,626	6,920,534	6,672	1,797,295	419	62,919	6,726	1,749,278	1,432	53,267	2,690	270,054
\$1,000,000 under \$2,500,000	8,633	12,754,490	7,231	3,073,329	1,013	398,906	7,442	3,347,451	1,552	115,830	3,008	439,959
\$2,500,000 under \$5,000,000	2,209	7,489,663	1,930	1,598,014	478	436,035	2,051	2,412,164	99 769	14,722	882	288,391
\$5,000,000 under \$10,000,000	803	5,489,339	724	981,928	8	443,542	738	1,687,880	8	9,388	906 306	195,974
\$10,000,000 under \$20,000,000	582	3,881,051	383	517,086	8	375,091	265	1,287,530	9	20,180	197	*466,930
\$20,000,000 or more	94.	6,558,622	<u>£</u>	1,345,048	8	823,063	£	1,970,439	:	:	•	•
Nontaxable returns, total	25,000	34,903,547	21,969	9,226,051	3,548	3,021,967	19,466	6,520,816	3,516	149,947	6,526	865,933
\$600,000 under \$1,000,000.	15,301	11,168,825	13,103	3,364,240	1,476	285,797	11,567	2,001,062	2,382	74,781	4,221	429,256
\$1,000,000 under \$2,500,000	7,502	11,059,648	6,871	3,137,077	1,437	536,774	6,021	2,029,149	88	52,993	1,743	205,285
\$2,500,000 under \$5,000,000	1,663	5,701,318	1,494	1,371,400	407	363,672	1,417	1,115,793	219	19,004	422	123,382
\$5,000,000 under \$10,000,000	367	2,480,117	340	541,488	150	369,802	313	578,887	8	2,465	95	47,177
\$10,000,000 under \$20,000,000	117	1,549,524	115	377,901	25 1	226,056	≱ ∶	347,949	eo :	\$:	9	60,833
\$20,000,000 or more	50	2,944,116	47	433,946	25	1,239,766	4	447,975				
						Type of	Type of property Continued	per				
Size of gross estate	State and local bonds	cal bonds	Corporate and	Corporate and foreign bonds	Cash	sh	Notes and	Notes and mortgages	Lifein	Life insurance	Ann	Annuities
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
	04 000	0 450 020	71071	4 027 790	45.200	0 444 222	14 463	2 023 200	24 905	2 553 553	14 222	2 200 002
All returns, total	24,002	0,469,50	\$17(\$1	20,150,1	62,64	9,114,555	2 5	4,000,203	40,000	2,003,002		6,000,000
\$600,000 under \$1,000,000.	9,731	7,415,438	4 2 2	354,557	16.041	3,449,787	5,24 2,35	240,384 624.984	9.175	1.034.695	5.517	2 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
\$2,500,000 under \$5,000,000	2,714	1,618,611	1,281	137,360	3,796	1,206,793	1,491	296,056	2,099	541,758	1,386	453,099
\$5,000,000 under \$10,000,000	853	1,100,318	330	61,284	1,161	608,267	226	229,407	229	166,056	\$	152,104
\$10,000,000 under \$20,000,000 \$20,000,000 or more	310	802,085 757,402	149	48,182	8 6	373,050 369,812	213	136,849	280 116	57,326 64,165	<u>4</u> 8	76,002 45,933
Taxable returns total	11 651	5 347 276	7 008	620 636	20.618	5.458.307	6.269	960.298	9.516	718.785	4.426	702.670
\$600,000 under \$1,000,000	3.594	547.763	2,611	129.860	8,613	1.616.917	2.271	191,063	3.913	112.973	1,570	91.910
\$1,000,000 under \$2,500,000.	5,415	1,583,034	3,156	173,696	8,593	1,996,513	2,648	298,074	4 040	308,906	2,036	342,940
\$2,500,000 under \$5,000,000	1,667	999,675	791	93,555	2,190	804,784	3 25	85,877	908	126,753	8, 2	128,779
\$10 000 000 under \$20 000 000	334	688 524	= 6	38.216	285	28,00	- 6	110.280	153	28,90	3 8	37.577
\$20,000,000 or more	115	642,159	55	147,365	139	288,825	88	119,735	8	54,673	8	30,311
Nontaxable returns, total	12,431	3,122,662	7,206	417,144	24,682	3,656,025	7,885	1,072,913	15,379	1,844,877	9,797	1,607,253
\$600,000 under \$1,000,000.	6,730	867,675	4,433	224,697	15,099	1,832,870	4,270	349,321	8,685	586,689	5,147	446,254
\$1,000,000 under \$2,500,000	4,316	1,193,050	2,121	113,541	448	1,110,110	2,588	326,890	5,135	7.55.788 25.783 25.785	84°,	701,682
\$5,000,000 under \$10,000,000	£ 8	214,197	90	23,341		156,623	8	74,139	228	79,382	18	80,952
\$10,000,000 under \$20,000,000	F 3	113,561	39	996'6	116	73,427	73	46,569	78	28,520	8 8	38,424
*ZU,UUU,UUU or more	35	115,243	2	1,78	8	90,987	5	60,614	\$	9,492	3	13,04
Footnotes at end of table.												

Table 1a.—Returns Filed in 1989: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate—Continued [All figures are estimates based on samples—money amounts are in thousands of dollars]

				lype of	lype of property-Continued	اح			Totala	Total allowable	Type of	Type of deduction?
Size of gross estate	Noncorporate business assets	siness assets	Farm	Farm assets	Umited p	Umited partnerships	Office	Other assets	dod	deductions	See Line	
	Number	Amount	Number	Amount	Nimbo	Amount	N. inches		1	e comp	TUNET E	runera expenses
	1007				BOILDE	Allocalit	MUTIDE	Amount	Number	Amount	Number	Amount
	(67)	(E)	(21)	(28)	<u>&</u>	(30)	(31)	(35)	(33)	(34)	(32)	(96)
All returns, total		2,201,687	2,911	307,601	5,688	671,131	41,405	3,321,667	45,668	35,852,798	42.382	210.301
\$600,000 under \$1,000,000	2,722	509,999	1,588	109,481	18,	61,255	21,039	622,682	23.919	5.458.075	22 213	98015
\$1,000,000 tarder \$2,500,000	37.08	479,434	286	64,648	2,460	159,404	14,898	899,674	16,135	10,049,758	14,880	7,439
\$5,000,000 under \$10,000,000	\$ 7. 7.	90,730	/A 6	16,210	55	114,638	3,769	455,122	3,854	6,662,231	3,618	21,156
\$10,000,000 under \$20,000,000		241 560	8 8	22,126	3 5	116,567	2,120	354,353	81,	4,157,712	1,111	8,232
\$20,000,000 or more.		361.487	8 8	76 975	<u>8</u> £	77,348	39.	235,522	\$	2,995,933	88	3,275
Towards patients and			;		!	6,0	0	415.42	3	690'625'9	<u>8</u>	2,183
COO COLUMN COO COO CONTRACTOR CON	7,36	650,058	8,1,1	140,296	2,127	321,253	18,862	1,752,424	20,668	10,988,234	20,185	100.138
SOU, UCU Under \$1, UCU, UCU.	9 50	41,228	<u>\$</u>	13,587	£63	12,078	7,594	230,343	8,617	470,552	8.417	36.195
	905,	28,97	220	21,822	1,055	37,853	7,958	411,207	8,633	1,927,196	8,436	42.456
4E)000,000 dilida 40,000,000	88	168,844	8	3,333	319	50,070	2,115	257,665	2,192	1,651,750	2.145	12,000
\$10,000,000 under \$20,000,000	8 5	76,14	S	16,849	218	73,097	9/	223,734	8	1,836,599	778	5,618
\$20,000.000 or more.		165 767	2 :	10,850	8:	28,390	82	166,760	282	1,497,628	277	2,318
	;		=	100'5	8	8/81	137	462,714	85	3,604,508	ह	1,549
Nortaxable returns, total	986	1,311,631	1,763	167,304	3,561	349,879	22,542	1,569,243	25,000	24.864.564	22 196	110 183
\$600,000 under \$1,000,000	2,083	168,771	1,136	95.894	1.437	49 177	13 445	300 330	16 30	4 007 500		81/21
\$1,000,000 under \$2,500,000	1,963	274,462	467	42,827	- 40	121.551	8 941	382,338	25.00	525,788,4	36,786	61,820
52,500,000 under \$5,000,000.	902	418,911	23	12,877	88	64.568	1,654	197 457	, 1 2 2 2 3	0,122,302	4	34,983
\$5,000,000 under \$10,000,000.	145	132,297	52	5,277	115	43.470	345	130,619	26	2,010,40	2/4/	00.00
\$10,000,000 under \$20,000,000	25	121,470		7,310	9	48,958	8	68.762	=	1 498 305	3 5	5,0,2
ezu,uuu,uuu or more	88	195,720	2	3,118	22	22,154	. 49	291,600	8	2,924,581	3 4	8 8
						Type of dedu	Type of deduction!Continued	_				
Size of gross estate	Executors' commissions	nmissions	Attorneys' fees	vs, fees	Other expenses and losses	s and losses	Debts and mortgages	morthages	aton mod oldefined	hoensooth		
,	Number	Amount	Number	Amount	Number	Amount	Nimber	Amount	N. inha	A	Banada bulkuna or stranhad	nods bulana
	1.67	1967	100					TIMOUT TO	Mullion	Amount	Number	Amount
	(20)	89	83	(Q	(41)	(4 2)	€ €	(44)	(45)	(46)	(47)	(48)
All returns, total	17,278	757,312	27,999	707,345	32,740	737,589	38,076	3,468,982	8,471	4,925,373	20,788	25,034,779
#000,000 under \$1,000,000.	7,78	136,352	14,217	178,383	16,703	117,122	19,313	647.179	3,558	488 860	0.431	3701000
\$1,000,000 under \$2,500,000	6,62	221,568	10,052	244,901	1,781	171,104	13,592	887,628	3,250	1,055,428	8279	7.391.786
\$5,000,000 under \$10,000,000.	509	100,397	2,470	123,245	2,886	105,341	3,512	678,315	1,038	948,754	2,056	4614,337
\$10,000,000 under \$20,000,000.	88	59 430	3 8	40,009	2 6	74,386	7,082	382,124	88	494,769	99	3,037,32
\$20,000,000 or more	601	83,406	38	52,049	ž 4	223.879	8 =	273,289	₹ 8	428,671	242	2,142,490
Taxable returns, total	12.850	6.68 300	10 150	000				, m	ğ	780'00C'1	2	4,056,87
\$600,000 under \$1,000,000	4 527	390 00	9 9	020,000	ACR'R	670,128	18,050	1,560,668	4,738	1,834,041	3,135	5,660,917
\$1,000,000 under \$2,500,000	5.758	193,200	7,020	90,00	- A	96,736	7,757	119,439	1,286	26,304	474	35,14
\$2,500,000 under \$5,000,000	1,674	148.917	3 2	103.246	9,40	143,477	80.5	374,318	2,238	227,429	1,521	748,065
\$5,000,000 under \$10,000,000	86	82,516	202	61 409	1 12	67,100	\$ 1	20,080) i	236,654	8	818,96
\$10,000,000 under \$20,000,000	222	56,816	520	36,816	98	42.947	27.4	140.076	8 5	242,004	8 3	1,116,584
\$20,000,000 or more	<u>8</u>	75,298	119	46,636	121	221,338	38	451,934	3 5	735.057	8 %	8/0/818 5071 333
Nontaxable returns, total	4,427	109,010	9,849	156.516	12.781	115.970	10.05	710001	904		2	
\$600,000 under \$1,000,000.	3.257	45.387	6.590	72 R15	0 3 C	900 00	200	100000	3	250,18U,5	\$30'\ -	19,373,862
\$1,000,000 under \$2,500,000	88	27,778	2,567	47.947	3456	27 696	5,526	512 310	2,272	462,556	8,958	3,756,819
\$2,500,000 under \$5,000,000	225	19,480	906	19,999	22	16,152	1.471	438.226	9	712 130	8/3	6,643,721
as, ucu, ucu umaer \$10,000,000	S 8 :	5,643	28	7200	<u>8</u>	6,654	317	148212	?	230,153	28	/05/08/'S
\$10,000,000 under \$20,000,000	စ္	2,614	\$!	3,342	3	2,611	Ŧ	132,322	. 52	002.79	3 3	007,030,
		3		21.04					•	60,15	=	1.271.67

Table 1a.--Retums Filed in 1989: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate--Continued (All figures are estimates based on samples-money amounts are in thousands of dollars)

Size of	MeyeL	Tovoblo octobo	, y - y					
section section	Ι.	•	OBISDIDY	Adjusted taxathe girts	Adjusted to	Adjusted taxable estate	Estate tax t	Estate tax before credits
gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(49)	(20)	(51)	(25)	(53)	(54)	(55)	(55)
All returns, total	41,895	42,161,330	4,521	865.402	41.926	43 006 733	44 600	(20,000
\$600,000 under \$1,000,000.	21.721	12.684.992	1 343	139 680	000.70	SO COTO	076'14	10,618,009
\$1,000,000 under \$2,500,000	14,821	13.765.883	1748	212 136	57/17	12,813,682	21,721	4,158,268
\$2,500,000 under \$5,000,000	3,647	6,513,859	788	181 714	3,665	6 605 573	14,823	4,944,717
\$5,000,000 under \$10,000,000	1,131	3,802,385	370	123 783	4 126	676,000,0	3,000	2,777,961
\$10,000,000 under \$20,000,000	391	2,421,774	5	75.211	302	3,920,100	451,1	1,836,088
\$20,000,000 or more	2 5	2,972,436	88	143,870	185	3 116 306	382	1,263,280
Taxable returns, total	20,695	32.018.652	3.177	731 631	202.00	000000000000000000000000000000000000000	3 ;	/80'000'I
\$600,000 under \$1,000,000.	9638	8 AAD 79A	i i	100,00	60,03	32,730,183	20,695	13,366,237
\$1,000,000 under \$2,500,000.	8,633	10.796.973	2, 280	88,094	8,626	6,531,828	8,626	2,171,290
\$2,500,000 under \$5,000,000	2,209	5,821,265	889	163.186	2000	10,955,845	8,633	3,987,210
\$5,000,000 under \$10,000,000	803	3,636,712	285	110,16	504,4 604,0	0,804,401	2,209	2,552,281
\$10,000,000 under \$20,000,000	285	2,368,067	134	68.925	3 8	3,747,328	S 5	1,779,297
\$20,000,000 or more	94	2,952,900	88	140,839	5	3.083.740	3 5	1,244,533
Nontaxable returns, total	21.200	10.142.678	1 344	435 675			2	030'100'1
\$600,000 under \$1,000,000	13.005	6 242 250	Į į	2/9/20	182,12	10,276,549	21,225	3,252,773
\$1,000,000 under \$2,500,000	00,00	0,242,208	8	39,595	13,097	6,281,853	13,095	1,986,978
\$2.500,000 under \$5,000,000	1438	018'008'7	§ 5	53,264	6,193	3,022,174	6,191	957,507
\$5,000,000 under \$10,000,000	2000	165 673	2 1	18,528	1,456	711,122	1,456	225,679
\$10,000,000 under \$20,000,000	8 5	5/0,00	2 8	13,168	88	178,841	331	56,791
\$20,000 000 or more	3 5	707,556 20,000	3 :	6,286	80	59,993	101	18,747
	2 *	19,536	16	3,031	44	22,566	4	7,070
Size of	Allowable u	Allowable unified credit	Other tax credits	c credits	Estate bax after credits	fler credits	- Matima	Hatima transfam
gross estate	Number	Amount	Number	Amount	Number	Amount	Nimber	
	(23)	(58)	(50)	(2)	1041	100)		TIME TO THE
A second			(20)	(80)	(01)	(83)	(83)	(64)
All returns, total	41,920	7,184,483	24,799	1,967,669	20,695	7,466,848	10,970	12.797.378
\$600,000 under \$1,000,000	21,721	3,618,798	11,699	196,620	8,626	342,846	4.580	2 100 623
\$2 500 000 under \$5,000,000	14,823	2,600,559	9,365	458,327	8,633	1,885,826	4,402	3.558.071
\$5,000,000 under \$10,000,000	3,000	648,017	2,416	348,885	2,209	1,781,057	1,272	2,549,320
\$10,000,000 under \$20,000,000.	36.2	73 313	8 8	298,795	8	1,327,479	428	1,457,521
\$20,000,000 or more	85	33,984	145	402,308	285	927,058	8 8	1,297,390
Taxable returns, total	20.695	3 070 780	101.00	000		201-20-1	b	7,054,452
\$600,000 under \$1,000,000	309 0	4 67 67 69	, co, 107	086,818,1	20,695	7,466,848	2,687	7,773,432
\$1,000,000 under \$2,500,000.	8,633	1,030,043	8,316 103,9	168,591	9,626	342,846	1,772	853,027
\$2,500,000 under \$5,000,000	2,209	425,569	2,136	345,654	2000	704 057	2,631	2,089,520
\$5,000,000 under \$10,000,000	808	154,359	792	297.458	88	1 327 470	3 5	1,335,693
\$10,000,000 under \$20,000,000.	582	54,832	281	262,643	382	927.058	2.5	028 230
ecu,uuu,uuu or more	\$	26,990	139	402,055	5	1,202,581	3 22	1,455,501
Nortaxable returns, total	21,225	3,204,694	4,611	48,079	,		5.283	E 023 047
\$600,000 under \$1,000,000	13,095	1,959,949	3,383	27.030	,	;	800	100000
\$1,000,000 under \$2,500,000	6,191	941,368	864	16.139	•	1 1	7,74	1,247,536
\$2,500,000 under \$5,000,000	3,456		560	3,231	ı		223	1,400,352
\$10,000,000 under \$20,000,000	ž (ž	55,453	7 7	1,337	1	ı	113	356,070
\$20,000,000 or more.	<u> 4</u>	9,40	4, «	8 8	ı		88	359,151
1 Excludes ESOP (Employee Stock Ownership Plan) deductions but may include come	on) deductions but may in		,	2	:	•	18	378,951

Excludes ESOP (Employee Stock Ownership Plan) deductions, but may include some amounts which were disallowed for the purpose of tax computations.
 Data combined to avoid disclosure of specific estate tax returns.
 Note: Detail may not add to lotals because of rounding.
 Table originally appeared in the SOI Bulletin, Winter 1991-1992.

Table 1b.-Returns Filed in 1990: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate [All figures are estimates based on samples-money amounts are in thousands of dollars]

Number of return Gross estate Number Amount Am	Cash Number Amo Cash Number Cash Number Cash Cash Cash Cash Cash Cash Cash Cash	other stoc		Federal savings bonds	Office Fodoral honds
(1) (2) (3) (4) (4) (5) (6) (7) (7) (8) (8) (9) (7) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(5) (6) (6) (6) (6) (7,118, 1,991 1,159, 1,016 954, 1,016 954, 1,016 954, 1,016 954, 1,016 954, 1,017 954, 1,0	·	_		Curainos
Colored Border Colo	(5) (6) (6) (6) (7,118, 1,1991 1,1591		Amount Number	r Amount	Number
60,387 67,116,955 42,592 19,986,746 6,706 77,118,144 40,488 70,050 18,478 77,213,94 5,944,519 1,199 10,119,119,119,119,119,11,199 10,055,220 1,221 1,231 1,235,320 1,221 1,235,320 1,221 1,105,320 1,135,320	6,708 7,118, 1,991 1,19	ω.	(6) (8)	(10)	(11)
28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,981 1,991 395, 2,981 1,150, 1,016 845, 444 845, 444 845, 463, 354 671, 1,065 473, 252 480, 99 473, 252, 1,917 718, 25, 139 24, 27, 2,223 440 470 470 470 470 470 470 470 470 470		20,267,663 8,077	380'960	16,373
1,476 27,13,554 15,919 7,002,169 2,981 1,119,6565 15,319 3,005,205 1,211,554 1,101 1,709,305 1,101 1,100,101 1,100,101 1,109,652 1,101 1,100	2,981 1,159, 1,159, 1,1016 954, 1,016 954, 1,016 954, 1,016 119 3,090, 2,318 4,635, 252 480, 99 4 2,772, 99 4 2,772, 99 4 2,772, 1,637 3,440, 1,917 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	_	3,673,528 4,592	213,718	8,113
3,768 10,1058,070 3,241 2,660,084 4,44 695,480 3,220 441 5,960,490 402 1,102,190 157 167,261 1404 441 5,960,490 422 1,102,190 157 167,261 1404 22,44 5,960,490 18,375 9,360,772 119 3,090,723 222 9,616 17,780,755 7,225 1,887,698 4,458,583 19,529 3,690,723 1,959 9,224 1,426,414 8,032 3,444,427 2,444,422 1,950 445,564 44,1380 3,520 44,1380 3,520 1,959 94,1380 4,1380 3,658 3,443,47 1,136 <	1,016 954, 1,016 954, 1,016 954, 1,016 954, 1,017 954, 1,005, 2,318 4,635, 2,42, 4,390 2,482, 1,017 718, 1,017 718, 1,017 718, 2,561 25,318, 2,561 2,305, 2,318, 2,400 2			140,890	690'9
1,345 5,900,400 1,211 1,102,100 1,57 6,500,723 1,229 1,102,100 1,57 6,500,723 1,102,100 1,57 6,500,400 1,57 6,500,723 1,102,100 1,57 6,500,723 1,102,100 1,57 6,500,400 1,57 6,500,723 1,102,100,700,723 1,100,700,700,700,700,700,700,700,700,70	2,318 4,635, 3,090, 2,318 4,635, 441, 1,065 441, 1,065 441, 1,065 441, 1,065 441, 1,065 441, 1,065 441, 1,017		3,504,513 441	23,964	23.5 25.5
24.1 (2.1387730 225 1140,8972 119 3,000,773 229 24 (2.1381730 225 118778 81 3,000,773 229 24 (2.1381730 225 118778 81 3,000,773 229 229 4,025,444 21,289 8,449 2,229 4,025,01 3,020,773 229 2,229 4,025,01 3,020,773 229 4,025,01 3,020,773 229 4,025,01 3,020,773 229 4,025,01 3,020,773 229 4,025,01 3,020,773 229 4,025,01 3,020,773 229 4,025,02 229 24,025,02 229 229 24,025,02 229 229 24,025,02 229 229 24,025,02 229 229 24,025,02 229 229 22,02 229 22,02 229 22,02 229 22,02 229 22,02 2	2,318 4,635, 3,991, 1,1065 441, 1,065 443, 3,991, 1,065 441, 1,065 443, 4,635, 99 4 2,772, 99 2,	•		8 222	8 8
23,104 50,976,708 18,375 9,380,774 2,318 4,635,833 19,529 1 1 1 1,572 1,504,42 10,002 1 1 1,001 1 1 1,001 1 1,	2,318 4,635, 354 1,065 441, 1,065 443, 455 252 480, 2,772, 99 2,772, 99 2,772, 1,637 1,917 49,797 10,704 25,813 4,068 9,541 1,839 4,106 8,22 84, 844 8,97 87 12,03 4,40 87 8,284 8,44 8,97 87 12,03 4,40 8,97 87 12,03 8,48 8,48 8,48 8,48 8,48 8,48 8,48 8,4		2,826,008	1,470	3 23
9624 7,780,755 7,225 1,887,698 354 61,153 7,803 8,489 2,229 7,704,444 1,005,113 222 440,200 2,229 1,945 2 1,005 4,441,389 8,489 1,005,119 222 4,40,200 2,229 1,005,119 222 4,00,200 2,229 1,005,119 222 4,00,200 2,229 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 222 1,005,119 2	354 61, 1,065 441, 1,065 4390 2,482, 4390 2,482, 440, 1,637 334, 1,637 334, 1,637 334, 1,637 334, 1,637 334, 1,037 345, 1,037 345, 1,033 345, 1,210 2,244 3,652 3,318 3,522 3,324 3,524 3,		13,925,697 3,758	205,972	8,649
9.824 14,564,464 8,033 3,449,422 1,065 8,489 8,489 9.229 7,70,465 1,845 1,506,606 455 440,200 1,945 9.229 6,10,0619 291 1,670,619 36 229 490,200 199 10,402,337 24,217 10,317,966 4,390 2,482,561 10,96 1,526,472 12,131,727 14,389 3,756,622 1,637 394,494 12,288 1,6,479 1,2,131,727 14,389 3,756,622 1,637 394,494 12,288 1,6,479 1,2,131,727 14,389 3,756,622 1,637 394,494 12,288 1,6,479 1,2,131,727 14,389 3,756,622 1,637 394,494 12,288 1,6,479 1,2,21,31,727 1,488 1,756,622 1,637 394,494 1,298 1,6,479 1,18 1,031,986 3,562,717 1,917 7,917 1,917 1,917 1,917 1,917 1,917 1,917 1,917	1,065 441, 455 252 89 407, 89 841, 89 847, 89 848, 89		_	74,525	3,409
2,228 7,7703,495 1,845 1,306,006 455 473,224 1,943 99 1,040,202 90 4,475,011 99 1,040,203 1,181 1,091 1,091 1,917	252 99 473			100,289	3,709
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state State and local bonds Corporate and foreign bonds Tijos Graph Continued Cash Number Amount Number Number Amount Number Num	25 318, Number Amc (17) (18, 22, 813 4,088 18,224 400 410 420 410 400 410 410 410 410 410 410 410 41	50	285,721 13	1,048	\$:
State and local bonds Corporate and foreign bonds Cash Number Amount Amo	Cash And (17) (11) (11) (11) (11) (12) (12) (13) (12) (13) (13) (13) (13) (13) (13) (13) (13	39	336,729 6	312	19 1
State and boral bords Corporate and foreign bonds Cash Number Number Amount Number <	Cash Number Amount (17) (18) 49,797 (10,704,741 25,813 4068,984 18,224 4068,984 440,622 440 682,191 22,854 6,436,239 9,541 1,836,701 9,766 844,589 199 577,092 26,843 4,288,602 16,272 2,232,233 16,272 2,232,233 16,272 2,232,233	pertyContinued			
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11,675 1,704,511 8,109 304,355 25,813 4,068,984 6,421 11,101 3,083,617 6,391 305,558 18,224 3,632,085 5,888 1,101 1,797,087 1,348 78,399 3,742 1,210,624 1,445 1,001 1,271,351 5,24 83,445 440 410,521 222 340 763,193 165 44,748 440 410,521 222 1,182,828 1,152,828 115,910 2,44 662,191 158 1,182,824 8,673 5,84,394 42,946 662,191 158 1,182,828 1,156,910 2,954 6,436,239 6,776 4,480 705,840 3,378 130,202 9,766 2,346,501 2,290 1,682,355 3,818 2,729 9,766 2,44,599 841,590 844,599 841,590 171 2,63 1,62 1,63 2,259 8,460 3,378 17,98 17,19	304,355 25,813 4,068,994 78,369 78,369 3,742 12,10,624 83,146 44,746 44,746 44,746 116,910 224 66,436,239 130,202 9,541 1,836,701 207,203 9,766 51,894 2,264 6,436,239 130,997 322 325,709 109,966 199 174,153 16,272 222,223 174,153 16,272 222,223		2,227,839 26,971	2,712,197	16,942
11,101 3,083,617 6,391 305,558 18,224 3,622,085 2,637 1,797,087 1,346 78,399 3,742 1210,624 1,001 1,221,351 524 83,145 1,333 720,337 340 763,183 165 44,748 440 40,621 1,182,288 1,162,828 115 116,910 244 662,191 13,722 6,348,891 8,673 584,934 22,954 6,436,239 1,182,335 1,162,802 3,378 1,902,02 9,541 1,836,701 1,182,335 1,212,802 3,818 20,7283 9,766 2,316,610 1,182,335 1,212,802 3,818 2,728 844,589 844,589 1,182,335 1,212,802 30,907 322 325,709 847,569 325,709 1,521 3,834,607 1,741,582 1,314,175 34,286,502 322,222 325,709 1,544 1,521 3,834,159 1,514 3,360,505 36,438 <td>305,558 18,224 78,399 3,742 83,145 1,333 44,748 440 116,910 244 564,394 22,954 100,202 9,541 20,202 9,541 20,202 9,541 20,202 9,541 20,203 9,766 51,894 2,229 54,602 897 30,987 322 106,956 199 346,150 26,843</td> <td></td> <td></td> <td>_</td> <td>8,196</td>	305,558 18,224 78,399 3,742 83,145 1,333 44,748 440 116,910 244 564,394 22,954 100,202 9,541 20,202 9,541 20,202 9,541 20,202 9,541 20,203 9,766 51,894 2,229 54,602 897 30,987 322 106,956 199 346,150 26,843			_	8,196
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262 617,566 123 30,987 322 325,709 160 1,041,922 95 109,956 199 577,092 13,221 3,83,697 7,978 348,150 26,843 4,288,592 7,194 998,671 4,731 174,153 16,272 2,222,283 4,684 1,221,262 98,754 84,58 1,315,475 954 584,888 466 26,475 1,514 366,055	30,887 322 109,956 199 348,150 26,843 174,153 16,272 96,284				ž %
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	28,543 436	217		_	82
\$\$10,000.00 under \$20,000,000	13,761 118		52,069	20,039	 8 %

Table 1b.-Returns Filed in 1990: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate-Continued [All figures are estimates based on samples-money amounts are in thousands of dollars]

50,852 678,782 853,384 1,135,306 1,111,870 2,680,154 4,024,478 8,085,189 4,545,639 3,379,332 2,342,852 3,837,349 6,510,347 3,973,627 7,406,407 3,692,255 2,244,026 1,230,982 1,257,185 19,804,492 Bequests to surviving spouse 26,314,839 119,334 48,736 13,189 6,889 2,882 2,332 130,880 74,183 42,746 9,039 9,039 3,633 3,764 376 119,499 91,482 22,228 10,462 3,835 2,708 Amount **€** (36) Type of deduction¹ Funeral expenses Number 24,046 17,088 3,469 1,262 1,262 1,262 1,263 9,335 9,583 1,295 1,29 Number 22,651 10,317 9,168 2,039 735 250 141 144 100 19,546 1,817 1,411 1 ଞ £ 38,915,108 5,839,531 11,165,830 7,004,082 4,644,211 3,282,242 6,879,213 554,840 1,980,042 1,771,454 1,908,226 1,768,772 5,159,902 5,384,692 9,185,787 5,232,628 2,735,984 1,513,470 1,719,311 5,527,490 715,525 1,044,597 686,508 551,500 467,400 2,061,959 2,991,022 50,097 206,805 323,963 279,082 335,945 1,795,130 665,428 837,793 362,545 272,418 131,455 266,829 2,536,468 13,143,237 25,771,872 Amount Amount 8 (46) Charitable bequests Total allowable deductions Number 26,033 26,067 18,471 1,348 1,348 1,349 2,24 2,289 902 322 1,529 1, Number 1,224,565 4,594,363 617,138 1,239,026 1,407,375 310,912 569,542 1,665,798 124,496 444,478 226,542 170,637 260,542 170,634 389,291 3,828,974 639,880 877,381 449,384 367,000 293,623 1,201,705 2,604,409 210,723 452,450 292,257 256,741 234,400 1,157,837 429,158 424,931 157,127 110,259 59,223 43,868 492,642 794,548 1,131,018 189,828 140,278 ,928,566 Amount Amount 8 Debts and mortgages <u>\$</u> Other assets Type of deduction!--Continued Number Number 22,944 17,098 3,608 1,301 1,301 24,130 20,926 9,120 2,173 88,336 1,4708 1,435 1,435 1,435 1,435 1,435 1,124 1,435 20,616 1,539 1,346 1,234 1,234 236 20,939 9,099 9,099 1,299 1,299 6,614 6,614 44 € 3 Other expenses and losses 630,633 120,239 186,716 89,581 73,312 57,875 57,875 102,911 71,334 71,334 155,549 66,874 55,297 99,320 Amount 102,048 48,905 31,167 9,369 6,438 2,578 3,591 67,586 174,205 175,272 156,642 109,834 141,328 434,336 22,117 75,082 104,173 68,384 63,405 101,176 45,469 45,469 46,430 46,430 46,430 Amount 8 (42) Limited partnerships Type of property-Continued Number Number 36,181 13,314 1,058 1,058 1,058 207 207 20,090 9,090 9,090 9,540 9,540 2,148 186 186 186 186 3,382 3,774 2,382 1,083 1,083 1,084 1,0 82 165,664 73,710 62,784 8,407 11,822 2,466 6,476 238,630 88,836 88,330 20,867 22,298 6,154 12,145 72,965 15,126 25,546 12,460 10,476 3,688 5,669 Amount 745,675 199,104 260,394 112,587 75,087 40,242 58,261 581,626 116,097 213,059 94,330 65,833 36,891 55,415 164,049 83,007 47,335 18,257 9,254 3,351 2,846 (58) 6 Attorneys' fees Farm assets Number Number (27) 8 2,479,436 258,668 610,366 401,518 380,577 254,871 573,437 ,262,482 98,900 204,694 157,021 212,283 185,612 403,972 159,768 405,672 244,497 168,294 69,259 169,465 ,216,954 Noncorporate business assets Amount Amount 258,435 135,003 101,393 59,085 146,481 739,233 96,647 232,629 124,889 91,576 55,233 138,259 104,735 46,923 25,806 10,115 9,817 3,852 8,222 8 Executors' commissions Number Number 8,552 3,706 1,191 (25)(37) \$1,000,000 under \$2,500,000... \$2,500,000 under \$5,000,000... \$5,000,000 under \$10,000,000... \$10,000,000 under \$20,000,000... \$20,000,000 or more... \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 on more. \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$10,000,000 under \$20,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more. Size of gross estate Size of gross estate \$10,000,000 under \$20,000,000. \$20,000,000 or more....... 10,000,000 under \$20,000,000 \$1,000,000 under \$2,500,000.... \$2,500,000 under \$5,000,000.... \$5,000,000 under \$10,000,000... Nontaxable returns, total.. Nontaxable returns, total. 51,000,000 under \$2,500,000... 22,500,000 under \$5,000,000... 55,000,000 under \$10,000,000. \$600,000 under \$1,000,000... \$600,000 under \$1,000,000... 600,000 under \$1,000,000. \$600,000 under \$1,000,000... Taxable returns, total... Taxable returns, total.. Ail returns, total. 20,000,000 or more.. All returns, total. 20,000,000 or more.

Table 1b.-Returns Filed in 1990: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax, and Tax Credits, by Size of Gross Estate-Continued [All figures are estimates based on samples-money amounts are in thousands of dollars]

SIZ8 OF	Taxat	Taxable estate	Adjusted to	Adjusted taxable gifts	Adjusted ta	Adjusted taxable estate	Estate tax b	Estate tax before credits
gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)
All returns, total	46,464	48,566,417	4,855	1,152,548	46,516	49,718,965	46,469	19,463,342
\$600,000 under \$1,000,000	23,864	13,949,734	1,331	139,191	23,879	14,088,925	23,854	4,576,557
\$1,000,000 under \$2,500,000	17,082	15,975,881	1,817	270,221	17,103	16,246,102	17,084	5,749,661
\$5,000,000 under \$10,000,000	3,546 1 303	6,555,621	A68	248,635	3,553	6,804,255	3,553	2,824,921
\$10,000,000 under \$20,000,000	428	2,679,910	235	150,591	434	2.830.501	43 6	1 416 580
\$20,000,000 or more	240	5,075,552	139	199,943	240	5,275,495	240	2,804,975
Taxable returns, total	23,104	37,329,561	3,542	1,018,676	23,104	38,348,237	23,104	15,862,549
\$600,000 under \$1,000,000	9,616	7,188,240	890	115,094	9,616	7,303,334	9,616	2,429,468
\$1,000,000 under \$2,500,000	9,824	12,459,315	1,315	219,360	9,824	12,678,676	9,824	4,619,421
\$2,500,000 under \$5,000,000	2,239	5,874,866	833	218,476	2,239	6,093,342	2,239	2,597,687
\$5,000,000 under \$10,000,000	8 8	4,121,263	382	130,458	902	4,251,721	902	2,019,814
\$20,000,000 or more	<u> </u>	5,058,995	3 8	138,469	\$ KS	2,767,464	3 83	1,397,645
Nontaxable returns total	23.361	11 226 856	1 212	133 877	3	מפר מנים		
\$600,000 under \$1,000,000	14.248	6.761.494	441	24.097	14.263	6 785 501	14 220	3 147 000
\$1,000,000 under \$2,500,000	7,258	3,516,566	502	50,861	7,279	3,567,426	7,260	1,130,240
\$5,000,000 under \$5,000,000	1,307	680,755	233	30,159	1,314	710,914	1,314	227,234
\$10,000,000 under \$20,000,000	105	50,915	8 8	12,123	Ξ \$	63,037	5 \$	18.943
\$20,000,000 or more	. 41	18,671	12	3,124	41 .	21,795	41	6,461
Size of	Allowable	Allowable unified credit	Other ta	Other tax credits	Estate tax after credits	fter credits	Lifetime	Lifetime transfers
gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)
All returns, total	46,469	7,969,898	27,334	2,474,982	23,104	8,998,645	11,674	14,738,577
\$600,000 under \$1,000,000	23,855	3,964,413	12,648	220,624	9,616	391,710	5,167	2,426,771
\$2,500,000 under \$5,000,000.	3,553	653,606	2,501	368.321	2,239	1,802,993	4,492	3,941,160
\$5,000,000 under \$10,000,000	1,305	243,237	969	337,137	8	1,510,266	501	1,768,824
\$20,000,000 or more	240	44,691	204 204	292,468 728,102	199	1,043,547 2,032,183	137 137	1,434,614 3,110,004
Taxable returns, total	23,103	4,447,366	22,372	2,416,527	23,104	8,998,645	5,756	9,557,788
\$600,000 under \$1,000,000	9,616 9,834	1,849,839	9,118	187,915	9,616	391,710	1,969	1,047,676
\$2,500,000 under \$5,000,000	2,239	430,967	2,210	363,726	2,239	1,802,983	788	1,326,204
\$5,000,000 under \$10,000,000	8 2	173,535	893	336,012	8	1,510,266	337	1,199,990
\$20,000,000 or more	199	62,208 38,331	3 8	291,891 728,000	199 199	1,043,547 2,032,183	161	1,137,813 2,684,954
Nontaxable returns, total	23,366	3,542,532	4,962	58,455	1	1	5,918	5,180,789
\$600,000 under \$1,000,000	14,239	2,114,574	3,529	32,709	:	ı	3,197	1,379,095
\$1,000,000 under \$2,500,000	7,260	1,110,893	1,040	19,346	;	ı	2,109	1,780,008
\$5,000,000 under \$10,000,000	404	69 701	76	4,595			386	731,001
\$10,000,000 under \$20,000,000	នី និ	18,366	5 à	577	: :		A 5	568,834 206 an 1
\$20,000,000 or more	41	6,359	œ :	25	:	1	ಪ ಕ	425,050
1 Excludes ESOP (Employee Stock Ownership Plan) deductions, but may include some amounts which were disallowed for the number of tay computations	an) dad office but man							

Note: Detail may not add to totals because of rounding.

Table originally appeared in the SOI Bulletin, Winter 1991-1992.

Table 1c.-Estate Tax Returns Filed in 1991: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate	Number of returns	Gross estate, date-of-death	Real	estate	Closely h	eld stock	Other	stock
			Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
All returns, total	53,576	90,934,303	45,642	19,934,381	8,530	6,516,816	41,997	20,570,88
600,000 under \$1,000,000	28,292	21,791,811	23,690	6.016.655	2.978	565,892	21,190	3,656,10
1,000,000 under \$2,500,000	19,795	28.950.841	17.059	7,417,310	3,749	1,249,328	15,934	5,896,96
2,500,000 under \$5,000,000	3,438	11,656,955	2,978	2,324,188	992	857,909	3,020	2,777,31
5,000,000 under \$10,000,000	1,321	8,918,158	1,225	1.726,003	489	982,569	1,180	2,224,75
10,000,000 under \$20,000,000	472	6,436,469	447	1,119,159	188	730,697	429	1,785,2
20,000,000 or more	259	13,180,070	243	1,331,066	134	2,130,421	243	4,230,4
Taxable returns, total	24,781	53,356,699	19,963	9,873,021	2,889	3,706,777	20,334	14,492,8
600,000 under \$1,000,000	10,875	8,839,901	8,321	2,044,914	649	159,272	8,339	1,730,7
1,000,000 under \$2,500,000	10,325	15,241,736	8,498	3,678,144	1,223	400,582	8,714	3,664,9
2,500,000 under \$5,000,000	2,161	7,541,352	1,829	1,296,263	524	405,381	1,978	2,195,8
5.000.000 under \$10.000,000	864	5,904,938	792	1,020,318	270	538,952	7 87	1,723,9
\$10,000,000 under \$20,000,000	351	4,801,508	330	757,591	116	439,430	323	1,528,2
\$20,000,000 or more	205	11,027,263	192	1,075,792	106	1,763,160	193	3,649,1
Nontaxable returns, total	28,796	37,577,604	25,679	10,061,360	5,642	2,810,039	21,663	6,078,0
\$600,000 under \$1,000,000	17,417	12,951,910	15,369	3,971,742	2,329	406,619	12,851	1,925,3
\$1,000,000 under \$2,500,000	9,470	13,709,105	8,561	3,739,166	2,526	848,747	7,220	2,232,0
2.500.000 under \$5.000.000	1,277	4,115,602	1,149	1,027,926	468	452,528	1,043	581,4
5,000,000 under \$10,000,000	457	3,013,220	433	705,685	219	443,618	393	500,8
\$10,000,000 under \$20,000,000	121	1,634,961	117	361,568	72	291,267	106	257,0
\$20,000,000 or more	54	2,152,806	51	255,274	28	367,261	50	581,3
Size of gross estate	State and local G	Rovernment bonds	Federal Governm	ent savings bonds	Other Federal G	overnment bonds	Corporate and	l foreign bond
	Number	Amount	Number	Amount	Number	Amount	Number	Amoun
	1	l.	(11)	40	(13)	(14)	(15)	(16)
	(9)	(10)	(11)	(12)	(1.5)			
All returns, total	(9) 29,442	10,527,938	8,329	375,991	17,222	4,151,495	15,845	1,015,87
	29,442	10,527,938	8,329	375,991		4,151,49 5 860,454	15,845 7,487	
\$600,000 under \$1,000,000	29,442 13,371	10,5 27,938 1,927,137		<u> </u>	17,222			332,48
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	29,442 13,371 11,940	10, 527,938 1,927,137 3,405,768	8,329 5,008	375,991 175,867	17, 222 8,348	860,454	7,487	332,48 333,36
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	29,442 13,371 11,940 2,556	10,5 27,938 1,927,137	8,329 5,008 2,686	375,991 175,867 154,463	17,222 8,348 6,587	860,454 1,200,920	7,487 6,458 1,164 457	332,44 333,36 87,58 56,13
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	29,442 13,371 11,940 2,556 1,011	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920	8,329 5,008 2,686 444 140	375,991 175,867 154,463 28,609 10,209	17,222 8,348 6,587 1,406	860,454 1,200,920 548,927	7,487 6,458 1,164	332,48 333,36 87,58 56,13
\$600,000 under \$1,000,000	29,442 13,371 11,940 2,556	10,527,938 1,927,137 3,405,768 1,700,982	8,329 5,008 2,686 444	375,991 175,867 154,463 28,609	17,222 8,348 6,587 1,406 526	860,454 1,200,920 548,927 374,349	7,487 6,458 1,164 457	332,48 333,36 87,58 56,13 47,12
\$600,000 under \$1,000,000	29,442 13,371 11,940 2,556 1,011 362 202	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969	8,329 5,008 2,686 444 140 33	375,991 175,867 154,463 28,609 10,209 6,114	17,222 8,348 6,587 1,406 526 213	860,454 1,200,920 548,927 374,349 290,641	7,487 6,458 1,164 457 165	332,44 333,36 87,56 56,13 47,12 159,13
\$600,000 under \$1,000,000	29,442 13,371 11,940 2,556 1,011 362 202 15,354	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162	8,329 5,008 2,686 444 140 33 17	375,991 175,867 154,463 28,609 10,209 6,114 728	17,222 8,348 6,587 1,406 526 213 143	860,454 1,200,920 548,927 374,349 290,641 876,204	7,487 6,458 1,164 457 165 114 8,738	332,44 333,36 87,56,13 47,12 159,11 678,66
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. Taxable returns, total	29,442 13,371 11,940 2,556 1,011 362 202 15,354	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057	8,329 5,008 2,686 444 140 33 17 4,093	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572	17,222 8,348 6,587 1,406 526 213 143 8,970	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473	7.487 6,458 1,164 457 165 114 8,738 3,583 3,862	332,44 333,36 87,56 56,13 47,11 159,11 678,61 197,11 208,6
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. Taxable returns, total	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877	8,329 5,008 2,686 444 140 33 17 4,093	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760	332,44 333,34 87,55 56,13 47,13 159,13 678,66 197,14 208,6 62,14
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$20,000,000 \$20,000,000 under \$20,000,000 \$20,000,000 or more Taxable returns, total \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313	332,44 333,34 87,55 56,13 47,13 159,13 678,61 197,11 208,6 62,14 38,13
\$600,000 under \$1,000,000	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760	332,44 333,34 87,55 56,13 47,13 159,13 678,61 197,11 208,6 62,14 38,13
\$600,000 under \$1,000,000	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313	332,44 333,34 87,56 56,1; 47,1; 159,1; 678,6i 197,1; 208,6 62,1; 38,1; 42,4;
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Texable returns, total \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$5,000,000 under \$10,000,000	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130	332,44 333,31 87,56 56,1: 47,1: 159,1' 678,6: 197,1: 208,6 62,1: 38,1: 42,4: 130,1:
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. \$20,000,000 under \$1,000,000. \$1,000,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$5,000,000 under \$1,000,000. \$5,000,000 under \$10,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$2,000,000. \$20,000,000 under \$20,000,000.	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163 14,088	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855 1,237,703	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25 12	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915 654	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179 116	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131 769,969	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130 90 7,106	332,44 333,31 87,55 56,1; 47,1; 159,1' 678,6' 197,1; 208,6 62,1; 38,1; 42,4 130,1' 337,1;
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$51,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. \$1,000,000 under \$1,000,000. \$2,500,000 under \$5,000,000. \$51,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000.	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163 14,088 7,582	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855 1,237,703 3,420,881	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25 12 4,236 2,936 1,146	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915 654 154,418 89,150 56,536	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179 116 8,252 4,948 2,716	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131 769,969 1,296,269 459,953 445,447	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130 90 7,106 3,903 2,596	332,44 333,36 87,55 56,1; 47,1; 159,1; 678,6; 197,1; 208,6 62,1; 38,1; 42,4; 130,1; 337,1; 135,3; 124,7;
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. \$20,000,000 under \$10,000,000. \$1,000,000 under \$1,000,000. \$2,500,000 under \$5,000,000. \$2,500,000 under \$5,000,000. \$2,500,000 under \$2,000,000. \$2,500,000 under \$20,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$10,000,000. \$10,000,000 under \$10,000,000. \$20,000,000 under \$10,000,000. \$20,000,000 under \$10,000,000.	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163 14,088 7,582	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855 1,237,703 3,420,881	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25 12 4,236 2,936 1,146 95	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915 654 154,418 89,150 56,536 5,582	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179 116 8,252 4,948 2,716 371	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131 769,969 1,296,269 459,953 445,447 151,963	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130 90 7,106 3,903 2,596 404	332,44 333,36 87,56,13 56,13 47,12 159,17 678,66 197,18 208,66 62,118 38,13 42,44 130,10 337,11 135,33 124,79 25,4
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 under \$20,000,000. \$20,000,000 under \$2,500,000. \$1,000,000 under \$2,500,000. \$5,000,000 under \$2,500,000. \$5,000,000 under \$2,500,000. \$5,000,000 under \$2,000,000. \$1,000,000 under \$2,000,000. \$1,000,000 under \$2,000,000. \$20,000,000 under \$2,000,000. \$20,000,000 under \$2,000,000. \$20,000 under \$2,000,000. \$1,000,000 under \$2,000,000.	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163 14,088 7,582 5,266 803	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855 1,237,703 3,420,881 970,260 1,357,840	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25 12 4,236 2,936 1,146	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915 654 154,418 89,150 56,536 5,582 2,877	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179 116 8,252 4,948 2,716	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131 769,969 1,296,269 459,953 445,447 151,963 98,159	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130 90 7,106 3,903 2,596 404 143	332,44 333,36 87,55 56,15 47,12 159,17 678,66 197,18 208,6 62,18 38,11 42,44 130,11 337,11 135,33 124,77 25,47
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. *20,000,000 under \$20,000,000. *20,000,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$5,000,000 under \$10,000,000. \$5,000,000 under \$2,000,000. \$1,000,000 under \$2,000,000.	29,442 13,371 11,940 2,556 1,011 362 202 15,354 5,790 6,674 1,753 691 283 163 14,088 7,582 5,266 803 319	10,527,938 1,927,137 3,405,768 1,700,982 1,251,920 881,969 1,360,162 7,107,057 956,877 2,047,928 1,250,850 918,845 694,855 1,237,703 3,420,881 970,260 1,357,840 450,133	8,329 5,008 2,686 444 140 33 17 4,093 2,073 1,541 349 93 25 12 4,236 2,936 1,146 95	375,991 175,867 154,463 28,609 10,209 6,114 728 221,572 86,717 97,927 23,028 7,332 5,915 654 154,418 89,150 56,536 5,582	17,222 8,348 6,587 1,406 526 213 143 8,970 3,399 3,871 1,035 369 179 116 8,252 4,948 2,716 371	860,454 1,200,920 548,927 374,349 290,641 876,204 2,855,226 400,500 755,473 396,963 276,191 256,131 769,969 1,296,269 459,953 445,447 151,963	7,487 6,458 1,164 457 165 114 8,738 3,583 3,862 760 313 130 90 7,106 3,903 2,596 404	1,015,87 332,44 333,36 87,55 56,13 47,12 159,17 678,65 197,15 208,61 62,11 38,13 42,44 130,10 337,16 135,33 124,75 25,44 17,96 4,66 29,06

Table 1c. --Estate Tax Returns Filed in 1991: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹--Continued

[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate		ash .	Mortgage	s and notes	Life in	surance		uities
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
All returns, total	52,890	11,718,663	16,847	2,336,071	29,196	3,013,309	20,265	3,162,349
600,000 under \$1,000,000	27,881	4,563,938	8,007	634,669	15,405	932,810	10,321	1,000,943
1,000,000 under \$2,500,000	19,565	4,002,563	6.374	741,165	10,730	1,288,083	7.865	1,373,73
2,500,000 under \$5,000,000	3,400	1,270,133	1,441	297.077	1,942	461,811	1,342	396.38
5,000,000 under \$10,000,000	1,318	769,778	621	233,988	725	206,988	487	218,98
10,000,000 under \$20,000,000	469	467,158	238	154,433	247	75,741	165	124.74
0,000,000 or more	257	645,092	166	274,739	147	47,877	85	47,56
Taxable returns, total	24,564	7,231,277	7,291	1,103,240	10,674	781,860	6,709	1,074,72
600,000 under \$1,000,000	10,716	2,320,665	2,564	156,757	4,572	159,702	2,707	249,67
,000,000 under \$2,500,000	. 10,272	2,557,194	3,136	316,367	4,423	319,544	2,919	415.28
,500,000 under \$5,000,000	2,161	870,454	873	165,418	984	126,041	661	194.06
,000,000 under \$10,000,000	862	559,371	411	141,741	419	100,813	255	101.73
0,000,000 under \$20,000,000	350	384,584	171	97,012	167	38,021	107	82,39
0,000,000 or more	203	539,010	136	225,945	109	37,740	60	31,57
Nontaxable returns, total	28,326	4,487,385	9,556	1,232,831	18,522	2,231,449	13,556	2,087,62
00,000 under \$1,000,000	17,165	2,243,273	5,444	477,912	10,833	773,108	7.615	751,26
,000,000 under \$2,500,000	9,293	1,445,369	3,237	424,798	6,307	968,539	4,946	958,44
,500,000 under \$5,000,000	1,239	399,680	568	131,659	958	335,770	681	202,32
,000,000 under \$10,000,000	456	210,407	210	92,247	. 306	106,175	232	117,24
0,000,000 under \$20,000,000	119	82,574	67	57,421	· 80	37,720	58	42,35
0,000,000 or more	54	106,082	30 .	48,794	38			
		100,002	30	48,794	38	10,137	25	15,988
Size of	Farm	assets	<u></u>	artnerships		10,137 orate businesses	25 Other	
		assets	Limited pa	artnerships	Other noncorpo	orate businesses	Other	assets
Size of	Number	assets Amount	Limited pa	artnerships Amount	Other noncorpo	rate businesses Amount	Other Number	Amount
Size of gross estate	Number (25)	assets Amount (26)	Limited pa Number (27)	Amount (28)	Other noncorpo Number (29)	Amount (30)	Other	assets
Size of gross estate	Number (25) 3,727	Amount (26)	Limited pa Number (27) 6,900	Amount (28)	Other noncorpo Number (29) 9,058	rate businesses Amount	Other Number	assets Amount
Size of gross estate All returns, total	Number (25) 3,727 1,954	Amount (26) 343,086 109,179	Limited pa Number (27) 6,900 2,223	Amount (28) 969,362 86,692	Other noncorpo Number (29) 9,058 3,474	Amount (30)	Other Number (31)	Amount (32) 3,897,134
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358	Amount (26) 343,086 109,179 100,859	Limited pa Number (27) 6,900 2,223 3,171	Amount (28) 969,362 86,692 262,714	Other noncorpo Number (29) 9,058 3,474 3,829	Amount (30) 2,400,948 276,680 584,219	Other Number (31) 53,576	Amount (32) 3,897,134 652,308
Size of gross estate All returns, total	(25) 3,727 1,954 1,358 261	Amount (26) 343,086 109,179 100,859 69,528	Limited pa Number (27) 6,900 2,223 3,171 878	Amount (28) 969,362 86,692 262,714 135,972	Other noncorpo Number (29) 9,058 3,474 3,829 941	Amount (30) 2,400,948 276,680 584,219 315,059	Other Number (31) 53,576 28,292 19,795 3,438	Amount (32) 3,897,134 652,306 939,386
Size of gross estate All returns, total	(25) 3,727 1,954 1,358 261 92	Amount (26) 343,086 109,179 100,859 69,528 17,299	Limited pa Number (27) 6,900 2,223 3,171 878 389	Amount (28) 969,362 86,692 262,714 135,972 128,147	Other noncorpo Number (29) 9,058 3,474 3,629 941 481	Amount (30) 2,400,948 276,680 584,219 315,059 329,224	Other Number (31) 53,576 28,292 19,795 3,438 1,321	Amount (32) 3,897,134 652,306 939,386 385,457
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397	Limited pa Number (27) 6,900 2,223 3,171 878 389 140	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472	Amount (32) 3,897,134 652,306 939,386 385,453 387,817
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807	Other noncorpo Number (29) 9,058 3,474 3,629 941 481	Amount (30) 2,400,948 276,680 584,219 315,059 329,224	Other Number (31) 53,576 28,292 19,795 3,438 1,321	Amount (32) 3,897,134 652,306 939,384 385,457 387,817
Size of gross estate All returns, total	(25) 3,727 1,954 1,358 261 92 36 26 1,577	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397	Limited pa Number (27) 6,900 2,223 3,171 878 389 140	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472	Amount (32) 3,897,13-652,306 939,384 385,451 342,888 1,189,276
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259	Amount (32) 3,897,134 652,308 939,384 385,457 342,888 1,189,276 2,385,578
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821	Other noncorpo Number (29) 9,058 3,474 3,629 941 481 200 133 3,271	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781	Amount (32) 3,897,134 652,306 939,384 385,457 342,886 1,189,276 2,385,575
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875	Amount (32) 3,897,134 652,300 939,388 385,457 387,817 342,885 1,189,276 2,385,578 236,556 475,282
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648 169,787	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325	Amount (32) 3,897,134 652,306 939,386 385,457 342,888 1,189,276 2,385,578 236,556 475,282 252,043
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648 169,787 188,161	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161	Amount (32) 3,897,13-652,300 939,380 385,451 342,886 1,189,276 2,385,578 236,556 475,282 252,043
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511 277	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648 169,787 188,161 162,514	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864	Amount (32) 3,897,134 652,306 939,386 385,457 342,885 1,189,276 2,385,575 243,655 475,282 252,043 243,044 260,626
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511 277 135	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648 169,787 188,161 162,514 144,588	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864 351	Amount (32) 3,897,13-652,300 939,384 385,451 342,885 1,189,276 2,385,576 475,286 252,046 243,044 260,626 918,016
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27 20 2,150 1,345	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693 28,724	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99 80	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963 194,365	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511 277 135 105	73,648 169,787 188,161 162,514 144,588 425,387	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864 351 205 28,796	Amount (32) 3,897,134 652,308 939,388 385,457 342,888 1,189,276 2,385,578 236,556 475,282 252,043 243,044 260,628 918,016
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27 20 2,150 1,345 629	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693 28,724 172,121	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99 80 3,936	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963 194,365 459,541	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511 277 135 105 5,787	Amount (30) 2,400,948 276,680 584,219 315,059 329,224 291,127 604,639 1,164,084 73,648 169,787 188,161 162,514 144,588 425,387 1,236,864	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,675 10,325 2,161 864 351 205	Amount (32) 3,897,134 652,300 939,384 385,457 387,817 342,885 1,189,276 2,385,578 236,556 475,282 252,043 243,044 260,626 918,019 1,511,560
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27 20 2,150 1,345 629 124	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693 28,724 172,121 74,133	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99 80 3,936 1,509	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963 194,365 459,541 55,072	Other noncorpo Number (29) 9,058 3,474 3,829 941 481 200 133 3,271 928 1,315 511 277 135 105 5,787 2,546	73,648 162,514 144,588 425,387 1,236,864 203,033 414,432	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864 351 205 28,796 17,417 9,470	Amount (32) 3,897,134 652,304 939,384 385,457 342,884 1,189,277 2,385,579 236,556 475,282 252,043 243,044 243,044 243,044 243,044 243,044 444,106
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27 20 2,150 1,345 629 124 37	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693 28,724 172,121 74,133 59,762	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99 80 3,936 1,509 1,779	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963 194,365 459,541 55,072 169,153	Other noncorpo Number (29) 9,058 3,474 3,829 841 481 200 133 3,271 928 1,315 511 277 135 105 5,787 2,546 2,514	73,648 169,787 1,25,680 1,164,084 73,648 169,787 188,161 162,514 144,588 425,387 1,236,864 203,033 414,432 126,698	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864 351 205 28,796 17,417 9,470 1,277	Amount (32) 3,897,134 652,306 939,388 385,457 342,886 1,189,275 236,555 475,282 252,043 243,044 260,626 918,018 1,511,560 415,749 464,106 133,414
Size of gross estate All returns, total	Number (25) 3,727 1,954 1,358 261 92 36 26 1,577 609 730 137 54 27 20 2,150 1,345 629 124	Amount (26) 343,086 109,179 100,859 69,528 17,299 14,397 31,824 170,966 35,046 41,097 45,454 6,952 13,693 28,724 172,121 74,133 59,762 24,074	Limited pa Number (27) 6,900 2,223 3,171 878 389 140 100 2,964 713 1,392 448 232 99 80 3,936 1,509 1,779 430	Amount (28) 969,362 86,692 262,714 135,972 128,147 105,030 250,807 509,821 31,620 93,561 69,218 65,094 55,963 194,365 459,541 55,072 169,153 66,754	Other noncorpo Number (29) 9,058 3,474 3,629 941 481 200 133 3,271 928 1,315 511 277 135 105 5,787 2,546 2,514 430	73,648 162,514 144,588 425,387 1,236,864 203,033 414,432	Other Number (31) 53,576 28,292 19,795 3,438 1,321 472 259 24,781 10,875 10,325 2,161 864 351 205 28,796 17,417 9,470	Amount

Table 1c.—Estate Tax Returns Filed in 1991: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹--Continued
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate		Howable ctions	Funeral dedu		dedu Executors' c			ys' fees action
•	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
All returns, total	53,479	39,556,125	49,298	271,421	20,186	846,919	33,167	762,904
600,000 under \$1,000,000	28,196	6,081,021	25,852	129,178	9,749	178,336	17,164	211,973
1,000,000 under \$2,500,000	19,795	11,910,620	18,419	103,241	7,752	255,955	12,273	273,012
2,500,000 under \$5,000,000	3,438	5,658,991	3,109	20,621	1,609	111,231	2,298	98,840
5.000.000 under \$10.000.000	1,320	4,642,269	1,225	9,922	682	92,140	908	69,622
10,000,000 under \$20,000,000	472	3,483,131	448	4,692	268	74,141	338	44,600
20,000,000 or more	259	7,780,092	246	3,768	126	135,115	186	64,857
Taxable returns, total	24,746	14,130,947	24,052	132,710	14,870	700,051	21,649	581,594
600,000 under \$1,000,000	10,841	618,606	10,624	52,586	6,076	109,657	9,578	119,243
1,000,000 under \$2,500,000	10,325	2,083,861	10,001	53,785	6,445	210,933	9,049	217,470
2,500,000 under \$5,000,000	2 161	2,070,530	2,058	12,927	1,371	95,857	1,791	84,341
5,000,000 under \$10,000,000	863	1,810,840	830	6,758	615	85,172	766	61,677
10,000,000 under \$20,000,000	351	1,899,527	340	3,405	246	69,319	301	41,828
20,000,000 or more	205	5,647,584	199	3,248	116	129,113	165	57,035
Nontaxable returns, total	28,734	25,425,178	25,246	138,711	5,316	146,868	11,518	181,311
600,000 under \$1,000,000	17,355	5,462,415	15,228	76,592	3,673	68,679	7,586	92,730
1,000,000 under \$2,500,000	9,470	9,826,760	8,418	49,455	1,307	45,022	3,224	55,542
2,500,000 under \$5,000,000	1,277	3,588,461	1,051	7,693	238	15,374	508	14,499
5,000,000 under \$10,000,000	457	2,831,429	395	3,163	67	6,968	142	7,944
10,000,000 under \$20,000,000	121	1,583,605	108	1,287	22	4,823	37	2,773
20,000,000 or more	54	2,132,508	47	520	10	6,002	21	7,823
								
1	Administrative	expenses and		mortgages		bequests		to spouse
Size of	losses	deduction	dedu	uction	dedu	ıction	dedi	uction
gross estate					L			,
-	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)
All returns, total	39,126	715,846	43,078	3,886,025	10,160	6,246,781	23,905	26,853,64
600,000 under \$1,000,000	20.287	151,726	21,756	730,562	4,656	532,364	10.892	4,147.09
\$1,000,000 under \$1,000,000	14,560	209,014	16,375	1.227.793	3,838	1,379,854	9,964	8,463,19
				556,573	899	666,478	1,914	4,119,63
								3,313,40
52,500,000 under \$5,000,000	2,670 1,011	93,048 74 514	3,062 1 195				J 715	
\$5,000,000 under \$10,000,000	1,011	74,514	1,195	462,079	435	638,908	715 263	
\$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000	1,011 384	74,514 78,906	1,195 440	462,079 342,377		638,908 474,196	715 263 157	2,464,21
55,000,000 under \$10,000,000	1,011 384	74,514	1,195	462,079	435 202	638,908	263	2,464,21 4,346,09
\$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Taxable returns, total	1,011 384 214 24,116	74,514 78,906 108,639 560,190	1,195 440 250 22,023	462,079 342,377 566,641 1,745,409	435 202 130 5,580	638,908 474,196 2,554,981 3,422,09 0	263 157	2,464,21 4,346,09 6,996,23
\$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Taxable returns, total	1,011 384 214 24,116 10,555	74,514 78,906 108,639 560,190 83,344	1,195 440 250 22,023 9,101	462,079 342,377 566,641 1,745,409 135,515	435 202 130 5,580 1,918	638,908 474,196 2,554,981 3, 422,090 39,156	263 157 3,478 622	2,464,21 4,346,09 6,996,23 79,10
\$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Taxable returns, total \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	1,011 384 214 24,116 10,555 10,152	74,514 78,906 108,639 560,190 83,344 162,095	1,195 440 250 22,023 9,101 9,494	462,079 342,377 566,641 1,745,409 135,515 454,390	435 202 130 5,580 1,918 2,377	638,908 474,196 2,554,981 3,422,090 39,156 250,255	263 157 3,478	2,464,21 4,346,09 6,996,23 79,10 734,95
15,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063	74,514 78,906 108,639 560,190 83,344 162,095 84,803	1,195 440 250 22,023 9,101 9,494 2,067	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296	435 202 130 5,580 1,918 2,377 670	638,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863	263 157 3,478 622 1,518	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74
15,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854	1,195 440 250 22,023 9,101 9,494 2,067 824	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525	435 202 130 5,580 1,918 2,377 670 327	638,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383	263 157 3,478 622 1,518 774	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47
5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330	74,514 78,906 108,639 560,190 83,344 162,095 84,803	1,195 440 250 22,023 9,101 9,494 2,067	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296	435 202 130 5,580 1,918 2,377 670	638,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863	263 157 3,478 622 1,518 774 307	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178	1,195 440 250 22,023 9,101 9,494 2,067 824 338	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908	435 202 130 5,580 1,918 2,377 670 327 177	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112	263 157 3,478 622 1,518 774 307	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91 2,741,04
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187 15,010	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178 95,915 155,657	1,195 440 250 22,023 9,101 9,494 2,067 624 338 200 21,055	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908 2,140,616	435 202 130 5,580 1,918 2,377 670 327 177 112 4,580	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112 2,174,322 2,824,691	263 157 3,478 622 1,518 774 307 148 109 20,427	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91 2,741,04
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187 15,010 9,731	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178 95,915 155,657 68,383	1,195 440 250 22,023 9,101 9,494 2,067 824 338 200 21,055	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908 2,140,616 595,047	435 202 130 5,580 1,918 2,377 670 327 177 112 4,580 2,738	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112 2,174,322 2,824,691 493,209	263 157 3,478 622 1,518 774 307 148 109 20,427	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91 2,741,04 19,857,40
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187 15,010 9,731 4,407	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178 95,915 155,657 68,383 46,918	1,195 440 250 22,023 9,101 9,494 2,067 824 338 200 21,055 12,655 6,881	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908 2,140,616 595,047 773,403	435 202 130 5,580 1,918 2,377 670 327 177 112 4,580 2,738 1,462	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112 2,174,322 2,824,691 493,209 1,129,599	263 157 3,478 622 1,518 774 307 148 109 20,427 10,270 8,446	2,464,21; 4,346,09 6,996,23 79,10 734,95 1,238,74 1,146,91 2,741,04 19,857,40 4,067,99 7,728,24
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187 15,010 9,731 4,407 608	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178 95,915 155,657 68,383 46,918 8,244	1,195 440 250 22,023 9,101 9,494 2,067 824 338 200 21,055 12,655 6,881 995	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908 2,140,616 595,047 773,403 304,277	435 202 130 5,580 1,918 2,377 670 327 177 112 4,580 2,738 1,462 228	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112 2,174,322 2,824,691 493,209 1,129,599 357,615	263 157 3,478 622 1,518 774 307 148 109 20,427 10,270 8,446 1,139	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91 2,741,04 19,857,40 4,067,98 7,728,24 2,880,88
\$5,000,000 under \$10,000,000	1,011 384 214 24,116 10,555 10,152 2,063 828 330 187 15,010 9,731 4,407 608 183	74,514 78,906 108,639 560,190 83,344 162,095 84,803 68,854 65,178 95,915 155,657 68,383 46,918	1,195 440 250 22,023 9,101 9,494 2,067 824 338 200 21,055 12,655 6,881	462,079 342,377 566,641 1,745,409 135,515 454,390 252,296 227,525 228,774 446,908 2,140,616 595,047 773,403	435 202 130 5,580 1,918 2,377 670 327 177 112 4,580 2,738 1,462	639,908 474,196 2,554,981 3,422,090 39,156 250,255 308,863 305,383 344,112 2,174,322 2,824,691 493,209 1,129,599	263 157 3,478 622 1,518 774 307 148 109 20,427 10,270 8,446	2,464,21 4,346,09 6,996,23 79,10 734,95 1,238,74 1,055,47 1,146,91 2,741,04 19,857,40

Table 1c.—Estate Tax Returns Filed in 1991: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹--Continued
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate	Taxab	le estate	Adjusted t	axable gifts	Adjusted ta	xable estate	Estate tax t	petore credits
	Number	Amount	Number -	Amount	Number.	Amount	Number	Amount
	(49)	(50)	(51)	(52)	, (53)	(54)	(55)	(56)
All returns, total	49,696	50,807,204	5,968	1,725,001	49,869	52,524,784	49,866	20,317,56
500,000 under \$1,000,000	25,952	15,635,146	1,981	252,196	25,984	15,887,341	25,984	5,159,61
,000,000 under \$2,500,000	18,526	16,933,694	2,181	386,030	18,627	17,312,304	18,627	6,114,91
,500,000 under \$5,000,000	3,245	5,898,399	910	367,008	3,260	6,265,407	3,260	2,570,46
,000,000 under \$10,000,000	1,268	4,206,445	495	212,463	1,280	4,418,908	1,278	2,051,83
0,000,000 under \$20,000,000	456	2,886,531	235 `	190,575	463	3,077,105	462	1,528,03
20,000,000 or more	250	5,246,989	165	316,730	254	5,563,718	254	2,892,69
Taxable returns, total	24,767	38,571,219	4,048	1,462,922	24,781	40,034,141	24,781	16,371,81
600,000 under \$1,000,000	10,875	8,138,992	1,064	155,738	10,875	8,294,730	10,875	2,761,82
1,000,000 under \$2,500,000	10,325	13,006,032	1,521	289,240	10,325	13,295,273	10,325	4,843,80
,500,000 under \$5,000,000	2,146	5,358,202	744	351,054	2,161	5,709,256	2,161	2,392,43
,000,000 under \$10,000,000	864	4,010,286	375	180,433	864	4,190,720	864	1,980,87
0,000,000 under \$20,000,000	351	2,833,358	196	178,478	351	. 3,011,836	351	1,508,78
20,000,000 or more	205	5,224,349	147	307,979	205	5,532,327	205	2,884,13
Nontaxable returns, total	24,930	12,235,985	1,920	262,078	25,088	12,490,642	25,085	3,945,71
600,000 under \$1,000,000	15,077	7,496,154	917	96,457	15,109	7,592,611	15,109	2,397,79
1,000,000 under \$2,500,000	8,201	3,927,662	660	96,790	8,302	4,017,031	8,302	1,271,11
2,500,000 under \$5,000,000	1,098	540,197	166	15,955	1,100	556,151	1,100	178,03
5,000,000 under \$10,000,000	404	196,159	121	32,029	416	228,188	414	70,95
10,000,000 under \$20,000,000	105	53,173	39	12,097	112	65,270	111	19,25
	45	22,640	18	8,751	49	31,391	49	
20,000,000 or more	45		18 (49		49	8,55 transfers
20,000,000 or more	45 Allowable (22,640 unified credit	18 Other ta	8,751	49 Estate tax	31,391 after credits	49 Lifetime	8,55 transfers
20,000,000 or more	45 Allowable o Number	22,640 unified credit Amount	Other ta	8,751 EX credits Amount	49 Estate tax Number	31,391 after credits Amount	49 Lifetime Number	8,55 transfers Amount
Size of gross estate	Allowable of Number (57)	22,640 unified credit Amount (58)	Other to Number (59)	8,751 Ex credits Amount (60)	49 Estate tax Number (61)	31,391 after credits Amount (62)	Lifetime Number (63)	8,55 transfers Amount (64)
20,000,000 or more	45 Allowable o Number	22,640 unified credit Amount	Other ta	8,751 EX credits Amount	49 Estate tax Number	31,391 after credits Amount	49 Lifetime Number	8,55 transfers Amount (64)
Size of gross estate All returns, total	Allowable of Number (57)	22,640 unified credit Amount (58)	Other to Number (59)	8,751 Ex credits Amount (60)	49 Estate tax Number (61)	31,391 after credits Amount (62)	Lifetime Number (63)	8,55 transfers Amount (64) 18,137,03
Size of gross estate All returns, total	45 Allowable (Number (57) 49,862	22,640 unified credit Amount (58) 8,671,228	Other to Number (59) 28,466	8,751 xx credits Amount (60) 2,546,038	Estate tax Number (61) 24,781	31,391 after credits Amount (62) 9,100,290	Lifetime Number (63) 12,901	8,55 transfers Amount (64) 18,137,03 2,735,06
Size of gross estate All returns, total	45 Allowable (Number (57) 49,862 25,984	22,640 unified credit Amount (58) 8,671,228 4,464,411	Other to Number (59) 28,466 13,596	8,751 ax credits Amount (60) 2,546,038 235,006	Estate tax. Number (61) 24,781 10,875	31,391 after credits Amount (62) 9,100,290 460,197	Lifetime Number (63)	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95
Size of gross estate All returns, total	45 Allowable (Number (57) 49,862 25,984 18,627	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077	Other te Number (59) 28,466 13,596 11,034	8,751 Amount (60) 2,546,038 235,006 540,038	49 Estate tax Number (61) 24,781 10,875' 10,325	31,391 Amount (62) 9,100,290 460,197 2,324,799	Lifetime Number (63) 12,901 5,445 5,276	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56
Size of gross estate All returns, total	45 Allowable (Number (57) 49,862 25,984 18,627 3,260 1,276 461	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 88,339	18 Other ta Number (59) 28,466 13,596 11,034 2,356 918 354	8,751 Amount (60) 2,546,038 235,006 540,038 336,319	Estate tex. Number (61) 24,781 10,875′ 10,325 2,161	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597	Lifetime Number (63) 12,901 5,445 5,276 1,240	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36
Size of gross estate All returns, total	45 Allowable (1) Number (57) 49,862 25,984 18,627 3,260 1,276 461 253	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753	18 Other to Number (59) 28,466 13,596 11,034 2,356 918 354 208	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161	Estate tax. Number (61) 24,781 10,875′ 10,325 2,161 864 351 205	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36 1,632,78 4,398,26
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777	22,640 unified credit Amount (58) 9,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202	Estate tax Number (61) 24,781 10,875′ 10,325 2,161 864 351 205 24,781	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442	8,55 transfers Amount (64) 18,137,03 2,735,00 4,890,95 2,450,56 2,029,36 1,632,76 4,398,26 12,145,05
Size of gross estate All returns, total	45 Allowable (Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802	Estate tax Number (61) 24,781 10,875' 10,325 2,161 864 351 205 24,781 10,875	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,35 1,632,76 4,398,26 12,145,05 1,084,25
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 88,339 47,753 4,770,352 2,091,820 1,989,666	18 Other ta Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334	Estate tax Number (61) 24,781 10,875′ 10,325 2,161 864 351 205 24,781 10,875 10,325	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,33 1,632,75 4,398,26 12,145,05 1,084,25 2,720,08
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127	8,751 x credits Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507	Estate tax Number (61) 24,781 10,875' 10,325 2,161 864 351 205 24,781 10,875 10,875 10,325 2,161	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36 1,632,78 4,398,26 12,145,05 1,084,25 2,720,08 1,860,98
Size of gross estate All returns, total	45 Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862	22,640 unified credit Amount (58) 9,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,889,666 416,334 166,037	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172	49 Estate tax Number (61) 24,781 10,875′ 10,325 2,161 864 351 205 24,781 10,875′ 10,325 2,161 864 864	31,391 after credits Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665	Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 883 380	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36 1,632,76 4,398,26 12,145,05 1,084,25 2,720,08 1,860,98 1,349,92
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211	18 Other te Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852 343	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314	Estate tax Number (61) 24,781 10,875 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 351	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,080,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256	Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,33 1,632,76 4,398,26 12,145,05 1,084,26 2,720,08 1,860,98 1,349,92 1,277,71
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204	22,640 unified credit (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,620 1,989,666 416,334 166,037 67,211 39,285	18 Other te Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 652 343 201	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074	49 Estate tax Number (61) 24,781 10,875′ 10,325 2,161 864 351 205 24,781 10,875′ 10,325 2,161 864 864	31,391 after credits Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,35 1,632,76 4,398,26 12,145,05 1,084,26 2,720,06 1,860,98 1,349,92 1,277,71 3,852,04
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085	22,640 unified credit (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211 39,285 3,900,875	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 652 343 201 4,514	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074 44,836	Estate tax Number (61) 24,781 10,875 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 351	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,080,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135 6,459	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36 1,632,74 4,398,26 12,145,05 1,084,26 2,720,06 1,380,98 1,349,95 1,277,71 3,852,04
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085 15,109	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211 39,285 3,900,875 2,372,592	18 Other te Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852 343 201 4,514 3,361	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074	Estate tax Number (61) 24,781 10,875 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 351	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,080,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,35 1,632,76 4,398,26 12,145,05 1,084,25 2,720,06 1,860,95 1,349,92 1,277,71 3,852,04 5,991,98
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085 15,109 8,302	22,640 unified credit (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211 39,285 3,900,875	18 Other ta Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852 343 201 4,514 3,361 840	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074 44,836	Estate tax Number (61) 24,781 10,875' 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 205	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135 6,459	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,33 1,632,76 4,398,26 12,145,05 1,084,25 2,720,06 1,860,95 1,277,71 3,852,04 5,991,98
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085 15,109 8,302 1,100	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211 39,285 3,900,875 2,372,592 1,260,411 171,219	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852 343 201 4,514 3,361 840 229	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074 44,836	Estate tax Number (61) 24,781 10,875 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 205	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135 6,459 3,474	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,029,33 1,632,74 4,398,26 12,145,08 1,084,25 2,720,06 1,860,96 1,349,95 1,277,77 3,852,04 5,991,98
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085 15,109 8,302 1,100 414	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,620 1,989,666 416,334 166,037 67,211 39,285 3,000,875 2,372,592 1,260,411 171,219 69,058	18 Other te Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 652 343 201 4,514 3,361 840 229 66	8,751 Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074 44,836 25,204 10,704 6,812 1,900	Estate tax. Number (61) 24,781 10,875' 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 664 351 205	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 893 380 192 135 6,459 3,474 2,405	8,55 transfers Amount (64) 18,137,03 2,735,06 4,890,95 2,450,56 2,029,36 1,632,76 4,398,26 12,145,05 1,084,26 2,720,08 1,860,98 1,349,92 1,277,71 3,852,04 5,991,98 1,650,76 2,170,67 589,57 679,47
Size of gross estate All returns, total	Allowable of Number (57) 49,862 25,984 18,627 3,260 1,276 461 253 24,777 10,875 10,325 2,161 862 350 204 25,085 15,109 8,302 1,100	22,640 unified credit Amount (58) 8,671,228 4,464,411 3,250,077 587,553 235,094 86,339 47,753 4,770,352 2,091,820 1,989,666 416,334 166,037 67,211 39,285 3,900,875 2,372,592 1,260,411 171,219	Number (59) 28,466 13,596 11,034 2,356 918 354 208 23,952 10,235 10,194 2,127 852 343 201 4,514 3,361 840 229	8,751 x credits Amount (60) 2,546,038 235,006 540,038 336,319 338,072 312,441 784,161 2,501,202 209,802 529,334 329,507 336,172 312,314 784,074 44,836 25,204 10,704 6,812	Estate tax Number (61) 24,781 10,875' 10,325 2,161 864 351 205 24,781 10,875 10,325 2,161 864 351 205	31,391 Amount (62) 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777 9,100,290 460,197 2,324,799 1,646,597 1,478,665 1,129,256 2,060,777	Lifetime Number (63) 12,901 5,445 5,276 1,240 552 234 153 6,442 1,971 2,871 883 380 192 135 6,459 3,474 2,405 347	8,55 transfers Amount

¹ Gross estate and asset values are shown at their value on the decedent's date-of-death.

NOTE: Detail may not add to totals because of rounding.

Table 2.—Estate Tax Returns Filed for 1989 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate	Number of returns	Gross estate, date-of-death	Real	estate	Closely I	neld stock	Other	stock
			Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
All returns, total	50,376	87,683,991	42,962	19,823,102	6,891	7,058,044	40,035	20,173,857
600,000 under \$1,000,000	26.092	19,946,407	21,754	5,651,896	2.060	414,703	19,691	3,718,224
1,000,000 under \$2,500,000	18,478	27,203,504	16,052	7,001,608	3,073	1,196,396	15,256	5,995,379
2,500,000 under \$5,000,000	3,685	12,475,627	3,229	2,690,879	999	962,068	3,171	3,233,173
5,000,000 under \$10,000,000	1,409	9,464,419	1,273	1,933,703	475	959,055	1,260	2,470,238
\$10,000,000 under \$20,000,000	462	6,253,492	420	1,152,052	163	666,706	421	1,875,130
20,000,000 or more	250	12,340,542	235	1,392,964	121	2,859,116	236	2,881,712
Taxable returns, total	23,158	51,424,960	18,679	9,628,781	2,475	4,457,069	19,381	13,755,486
600,000 under \$1,000,000	9,569	7,746,132	7,297	1,933,428	391	70,849	7,629	1,770,871
1,000,000 under \$2,500,000	9,920	14,683,302	8,202	3,480,722	1,140	447,176	8,459	3,793,793
2,500,000 under \$5,000,000	2,175	7,421,649	1,840	1,388,736	478	486,666	1,918	2,210,771
55,000,000 under \$10,000,000	949	6,424,488	845	1,192,733	267	541,752	866	1,899,802
\$10,000,000 under \$20,000,000	344	4,678,599	307	716,494	107	432,843	317	1,573,285
20,000,000 or more	201	10,470,790	187	916,668	92	2,477,783	192	2,506,965
Nontaxable returns, total	27,218	36,259,030	24,283	10,194,321	4,415	2,600,975	20,654	6,418,370
600,000 under \$1,000,000	16,523	12,200,274	14,457	3,718,468	1,669	343,854	12,061	1,947,350
\$1,000,000 under \$2,500,000	8,558	12,520,202	7,850	3,520,886	1,933	749,220	6,797	2,201,586
2,500,000 under \$5,000,000	1,510	5,053,978	1,389	1,302,143	521	475,402	1,253	1,022,400
5,000,000 under \$10,000,000	460	3,039,932	428	740,970	208	417,303	395	570,436
\$10,000,000 under \$20,000,000	118	1,574,893	112	435,558	56	233,864	104	301,84
\$20,000,000 or more	49	1,869,752	48	476,296	28	381,333	44	374,747
		1						<u> </u>
Size of gross estate	State and local G	aovernment bonds	Federal Governm	ent savings bonds	Other Federal G	overnment bonds	Corporate and	d foreign bonds
	State and local G	avernment bonds Amount	Federal Governm	!	Other Federal G	overnment bonds	Corporate and	foreign bonds Amount
		,		ent savings bonds		,		
	Number (9)	Amount	Number	ent savings bonds Amount	Number	Amount	Number	Amount
gross estate All returns, total	Number (9) 27,507	Amount (10) 9,867,658	Number (11) 7,859	Amount (12)	Number (13) 16,423	Amount (14) 3,291,159	Number (15) 16,880	Amount (16)
gross estate All returns, total	(9) 27,507 12,023	Amount (10) 9,867,658 1,784,675	Number (11) 7,859 4,444	Amount (12) 391,870 208,138	Number (13) 16,423 8,092	Amount (14) 3,291,159 825,656	Number (15) 16,880 8,285	Amount (16) 1,003,200 336,088
gross estate All returns, total	(9) 27,507 12,023 11,264	Amount (10) 9,867,658 1,784,675 3,111,234	Number (11) 7,859 4,444 2,767	Amount (12) 391,870 208,138 133,435	Number (13) 16,423 8,092 6,121	Amount (14) 3,291,159 825,656 955,626	Number (15) 16,880 8,285 6,450	Amount (16) 1,003,200 336,088 296,185
gross estate All returns, total	(9) 27,507 12,023 11,264 2,619	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919	Number (11) 7,859 4,444	Amount (12) 391,870 208,138 133,435 29,316	Number (13) 16,423 8,092	Amount (14) 3,291,159 825,656	Number (15) 16,880 8,285	Amount (16) 1,003,200 336,088 296,185 94,722
gross estate All returns, total	(9) 27,507 12,023 11,264 2,619 1,046	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253	Number (11) 7,859 4,444 2,767 437	Amount (12) 391,870 208,138 133,435 29,316 11,370	Number (13) 16,423 8,092 6,121 1,343	Amount (14) 3,291,159 825,656 955,626 442,945	Number (15) 16,880 8,285 6,450 1,319	Amount (16) 1,003,200 336,088 296,185 94,722
gross estate All returns, total	(9) 27,507 12,023 11,264 2,619	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919	Number (11) 7,859 4,444 2,767 437 154	Amount (12) 391,870 208,138 133,435 29,316	Number (13) 16,423 8,092 6,121 1,343 533	Amount (14) 3,291,159 825,656 955,626 442,945 319,363	Number (15) 16,880 8,285 6,450 1,319 526	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822	Number (11) 7,859 4,444 2,767 437 154 37	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237	Number (13) 16,423 8,092 6,121 1,343 533 208	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447	Number (15) 16,880 8,285 6,450 1,319 526 183	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754	Number (11) 7,859 4,444 2,767 437 154 37 20	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375	Number (13) 16,423 8,092 6,121 1,343 533 208 125	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121	Number (15) 16,880 8,285 6,450 1,319 526 183 116	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 361 203 13,840 4,592 6,405	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869	Amount (16) 1,003,200 336,088 296,185 94,722 82,956
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 283,191	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 263,191 253,206	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393 169	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 263,181 253,206 249,247	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354 142,875
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275 168	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762 1,078,603	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25 14	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206 1,059	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 675 393 169 106	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 293,191 253,206 249,247 396,959	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385 140 95	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354 142,875 362,806
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275 168 13,667	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762 1,078,603 3,410,908	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25 14 4,126	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206 1,059 179,951	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393 169 106 7,716	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 293,191 253,206 249,247 396,959 1,046,796	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385 140 95 8,109	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354 142,875 362,806 187,244 101,106
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275 168 13,667 7,431	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762 1,078,603 3,410,908 1,042,798	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25 14 4,126 2,760	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206 1,059 179,951	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393 169 106 7,716 4,624	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 293,191 253,206 249,247 396,959 1,046,796 401,335	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385 140 95 8,109 4,842	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354 142,875 362,806 187,244 101,106 33,472
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275 168 13,667 7,431 4,860	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762 1,078,603 3,410,908 1,042,798 1,236,516	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25 14 4,126 2,760 1,141	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206 1,059 179,951 125,004 41,027	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393 169 106 7,716 4,624 2,425	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 293,191 253,206 249,247 396,959 1,046,796 401,335 328,187	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385 140 95 8,109 4,842 2,581	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,726 640,394 148,844 195,076 61,246 54,992 37,354 142,875 362,806 187,244 101,106 33,472
gross estate All returns, total	Number (9) 27,507 12,023 11,264 2,619 1,046 351 203 13,840 4,592 6,405 1,656 743 275 168 13,667 7,431 4,860 963	Amount (10) 9,867,658 1,784,675 3,111,234 1,707,919 1,266,253 796,822 1,200,754 6,456,750 741,877 1,874,719 1,134,686 957,103 669,762 1,078,603 3,410,908 1,042,798 1,236,516 573,233	Number (11) 7,859 4,444 2,767 437 154 37 20 3,733 1,684 1,626 263 121 25 14 4,126 2,760 1,141 174	Amount (12) 391,870 208,138 133,435 29,316 11,370 8,237 1,375 211,919 83,133 92,408 19,181 8,931 7,206 1,059 179,951 125,004 41,027 10,135	Number (13) 16,423 8,092 6,121 1,343 533 208 125 8,706 3,468 3,696 875 393 169 106 7,716 4,624 2,425 468	Amount (14) 3,291,159 825,656 955,626 442,945 319,363 302,447 445,121 2,244,363 424,321 627,438 203,191 253,206 249,247 396,959 1,046,796 401,335 328,187 149,754	Number (15) 16,880 8,285 6,450 1,319 526 183 116 8,771 3,443 3,869 840 385 140 95 8,109 4,842 2,581	Amount (16) 1,003,200 336,088 296,185 94,722 82,956 43,521 149,729 640,394 148,844 195,079 61,249 54,992 37,354 142,875 362,806

Table 2.—Estate Tax Returns Filed for 1989 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹—Continued
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate	c	ash `	Mortgages	and notes	Life ins	surance	Ann	uities
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
·	(17)	(18)	(19)	, (20)	(21)	(22)	(23)	(24)
All returns, total	49,826	10,552,193	15,023	2,297,926	27,247	2,709,236	17,042	2,715,461
\$600,000 under \$1,000,000	25,792	3,901,993	6,651	518,184	13,704	841,543	8,187	728,280
\$1,000,000 under \$2,500,000	18,271	3,645,915	5,865	706,049	10,282	1,154,626	6,661	1,200,338
\$2,500,000 under \$5,000,000	3,651	1,137,546	1,455	334,109	2,056	375,851	1,425	412,574
\$5,000,000 under \$10,000,000	1,401	768,534	662	268,980	815	195,791	511	221,371
\$10,000,000 under \$20,000,000	461	403,010	236	128,462	243	67,514	164	100,459
\$20,000,000 or more	249	695,195	, 155	342,143	148	73,911	93	52,440
Taxable returns, total	23,028	6,400,796	6,786	1,268,694	. 10,160	775,575	5,451	843,592
\$600,000 under \$1,000,000		1,781,703	2,321	185,459	3,976	145,720	1,974	153,224
\$1,000,000 under \$2,500,000	9,862	2,359,194	2,890	326,589	4,406	315,427	2,406	328,487
\$2,500,000 under \$5,000,000		768,115	848	205,403	1,014	131,994	61,4	164,862
\$5,000,000 under \$10,000,000	944	570,337	431	174,827	491 .	94,145	281	107,960
\$10,000,000 under \$20,000,000		322,535	172 ·	. 85,878	, 164	39,871	104	. 52,941
\$20,000,000 or more	ľ	598,913	. 124	290,538	. 109	48,418	72	36,119
Nontaxable returns, total	1	4,151,397	8,237	1,029,232	17,086	1,933,660	1,592	1,871,869
\$600,000 under \$1,000,000		2,120,290	4,330	332,726	9,727	695,823	6,213	575,057
\$1,000,000 under \$2,500,000		1,286,722	2,975	379,459	5,876	839,199	4,255	871,851
\$2,500,000 under \$5,000,000	1,489	369,431	607	128,706	1,042	243,857	812 . ,	247,712
\$5,000,000 under \$10,000,000	457 .	. 198,197	231	94,152	. 323	101,646	231	,113,411
\$10,000,000 under \$20,000,000	118	80,475	64	42,584	79	27,643	60	47,518
\$20,000,000 or more	49	96,282	31	51,605	39	25,492	21	16,320
	*						, , , , , , , , , , , , , , , , , , ,	
, Size of	Farm	assets	Limited pa	ırtnerships	Other noncorpo	rate businesses	Other	assets
gross estate	 							
	Number	Amount	Number	Amount	Number	Amount	Number	* ⊶Amount
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
All returns, total	3,680	275,204	6,431	815,871	8,553	2,629,996	45,924	4,079,215
\$600,000 under \$1,000,000	2,083	91,076	2,024	64,928	2,827	249,880	23,215	611,144
\$1,000,000 under \$2,500,000		85,198	2,814	175,356	3,746	642,401	17,123	903,759
\$2,500,000 under \$5,000,000	246	29,872	881	149,034	1,105	415,354	3,526	460,265
\$5,000,000 under \$10,000,000	. 96	28,232	452	168,630	532	395,617	1,366	374,326
\$10,000,000 under \$20,000,000	34 :	4,574	161	114,219	199	257,397	449	332,943
\$20,000,000 or more	26	36,253	99	143,706	143	669,347	246	1,396,778
Taxable returns, total	1,534	107,786	2,767	441,627	3,368	1,446,652	21,158	2,745,476
\$600,000 under \$1,000,000								
(661	16,554	585	20,617	∂ 782	94,885	8,357	174,649
\$1,000,000 under \$2,500,000	661 616	16,554 27,101	585 1,284	20,617 84,975	782 1,486	94,885 234,700	8,357 9,245	174,649 495,494
				,				
\$1,000,000 under \$2,500,000	616	27,101	1,284	84,975	1,486	234,700	9.245	495,494
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	616 156	27,101 14,670	1,284 426	84,975 82,180	1,486 527	234,700 170,996	9,245 2,095	495,494 288,948
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	616 156 62 23	27,101 14,670 17,784	1,284 426 ,281	84,975 82,180 76,081	1,486 527 325	234,700 170,996 231,807	9,245 2,095 925	495,494 288,948 243,027
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000	616 156 62 23	27,101 14,670 17,784 3,577	1,284 426 281 108	84,975 82,180 76,081 51,409	1,486 527 325 137	234,700 170,996 231,807 171,293	9,245 2,095 925 336	495,494 288,948 243,027 264,906
\$1,000,000 under \$2,500,000	616 156 62 23 15 2,146	27,101 14,670 17,784 3,577 28,101	1,284 426 281 108 83 3,664	84,975 82,180 76,081 51,409 126,365	1,486 527 325 137 112	234,700 170,996 231,807 171,293 542,971	9,245 2,095 925 336 199	495,494 288,948 243,027 264,906 1,278,452
\$1,000,000 under \$2,500,000	616 156 62 23 15 2,146	27,101 14,670 17,784 3,577 28,101	1,284 426 281 108 83 3,664	84,975 82,180 76,081 51,409 126,365 374,244	1,486 527 325 137 112 5,184	234,700 170,996 231,807 171,293 542,971 1,183,344	9,245 2,095 925 336 199 24,766	495,494 288,948 243,027 264,906 1,278,452
\$1,000,000 under \$2,500,000	616 156 62 23 15 2,146	27,101 14,670 17,784 3,577 28,101 167,418 74,522	1,284 426 281 108 83 3,664	84,975 82,180 76,081 51,409 126,365 374,244 44,311	1,486 527 325 137 112 5,184 2,046	234,700 170,996 231,807 171,293 542,971 1,183,344 154,995	9,245 2,095 925 336 199 24,7 66	495,494 288,948 243,027 264,906 1,278,452 1,333,739 436,495
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Nontaxable returns, total \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	616 156 62 23 15 2,146 1,422 578	27,101 14,670 17,784 3,577 28,101 167,418 74,522 58,097	1,284 426 281 108 83 3,664 1,439 1,529	84,975 82,180 76,081 51,409 126,365 374,244 44,311 90,381	1,486 527 325 137 112 5,184 2,046 2,260	234,700 170,996 231,807 171,293 542,971 1,183,344 154,995 407,701	9,245 2,095 925 336 199 24,766 14,858 7,878	495,494 288,948 243,027 264,906 1,278,452 1,333,739 436,495 408,265
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$10,000,000 under \$20,000,000 \$10,000,000 under \$20,000,000 Nontaxable returns, total \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	616 156 62 23 15 2,146 1,422 578 90	27,101 14,670 17,784 3,577 28,101 167,418 74,522 58,097 15,202	1,284 426 281 108 83 3,664 1,439 1,529 455	84,975 82,180 76,081 51,409 126,365 374,244 44,311 90,381 66,854	1,486 527 325 137 112 5,184 2,046 2,260 578	234,700 170,996 231,807 171,293 542,971 1,183,344 154,995 407,701 244,358	9,245 2,095 925 336 199 24,766 14,858 7,878	495,494 288,948 243,027 264,906 1,278,452 1,333,739 436,495 408,265 171,317
\$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$22,000,000. \$20,000,000 or more. Nontaxable returns, total \$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$1,000,000.	616 156 62 23 15 2,146 1,422 578 90 34	27, 101 14,670 17,784 3,577 28,101 167,418 74,522 58,097 15,202 10,448	1,284 426 281 108 83 3,664 1,439 1,529 455 171	84,975 62,180 76,081 51,409 126,365 374,244 44,311 90,381 66,854 92,549	1,486 527 325 137 112 5,184 2,046 2,260 578 207	234,700 170,996 231,807 171,293 542,971 1,183,344 154,995 407,701 244,358 163,810	9,245 2,095 925 336 199 24,766 14,858 7,878 1,430 440	495,494 288,948 243,027 264,906 1,278,452 1,333,739 436,495 408,265 171,317 131,299

Table 2.—Estate Tax Returns Filed for 1989 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹—Continued [All figures are estimates based on samples — money amounts are in thousands of dollars]

Size of gross estate	Total al dedu	lowable ctions		expense action		commissions action		ys' fees uction
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
All returns, total	50,333	38,488,473	46,368	241,962	19,078	864,345	30,925	747,197
\$600,000 under \$1,000,000	6,055	5,957,941	23.818	110.826	8,714	147,962	15,562	191,581
\$1,000,000 under \$2,500,000	8,473	11,060,184	17,180	92,141	7,474	250,976	11,482	263,904
\$2,500,000 under \$5,000,000	3.685	6,154,428	3,384	21,415	1,720	126,267	2,377	108,646
5,000,000 under \$10,000,000	1,409	4,947,719	1,315	10,735	751	104,949	982	77,685
\$10,000,000 under \$20,000,000	461	3,289,127	439	3,940	263	65,294	334	43,423
20 000 000 or mare	250	7,079,074	232	2,904	157	168,898	187	61,957
Taxable returns, total	23,117	13,405,287	22,529	115,113	14,634	757,383	20,256	584,620
\$600,000 under \$1,000,000	9,534	537,341	9,294	40,771	5,421	99,722	8,303	110,406
\$1,000,000 under \$2,500,000	9,915	2,043,107	9,694	49,142	6,606	225,518	8,741	216,512
\$2,500,000 under \$5,000,000	2,175	1,731,719	2,100	12,515	1,551	116,473	1,922	91,378
\$5,000,000 under \$10,000,000	949	2,110,591	915	7,284	668	96,042	832	69,264
\$10,000,000 under \$20,000,000	343	1,754,956	333	2,942	244	61,260	289	39,628
\$20,000,000 or more	201	5,227,573	192	2,459	145	158,368	168	57,432
Nontaxable returns, total	27,217	25,083,186	23,840	126,849	4,444	106,963	10,669	162,577
\$600,000 under \$1,000,000	6,522	5,420,600	14,524	70,055	3,293	48,240	7,259	81,175
\$1,000,000 under \$2,500,000	8,558	9,017,078	7,486	42,999	867	25,457	2,741	47,392
\$2,500,000 under \$5,000,000	1,510	4,422,709	1,284	8,900	169	9,794	455	17,267
\$5,000,000 under \$10,000,000	460	2,837,128	400	3,451	83	8,907	150	8,421
\$10,000,000 under \$20,000,000 \$20,000,000 or more	118 49	1,534,171 1,851,500	106 40	998 445	19 12	4,034 10,530	45 19	3,796 4,526
Size of		expenses and eduction		mortgages action	2	e bequests action		to spouse uction
Size of gross estate		•			2			•
	losses d	eduction	dedu	action	dedu	uction	ded	uction
gross estate	Number (41)	eduction Amount	dedi Number (43)	Amount	dedi Number	Amount	ded Number	Amount (48)
gross estate All returns, total	Number (41) 36,031	Amount (42) 655,575	Number (43) 41,766	Amount (44)	Number (45)	Amount (46)	Number (47)	Amount (48) 26,534,68
gross estate All returns, total	Number (41) 36,031 8,255	Amount (42)	dedi Number (43)	Amount (44) 3,820,775	Number (45) 9,792	Amount (46) 5,667,277	Number (47) 23,075	Amount (48) 26,534,68 4,067,21
gross estate All returns, total	Number (41) 36,031	Amount (42) 655,575 114,037	Number (43) 41,766 20,900	Amount (44) 3,820,775 604,418	Number (45) 9,792 4,394	Amount (46) 5,667,277 723,890	Number (47) 23,075 10,632	Amount (48) 26,534,68 4,067,21 8,104,89
gross estate All returns, total	Number (41) 36,031 8,255 3,378	Amount (42) 855,675 114,037 186,857	(43) 41,766 20,900 15,630	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000	Number (45) 9,792 4,394 3,587 1,047 456	Amount (46) 5,667,277 723,890 987,595 708,142 571,140	(47) 23,075 10,632 9,283 1,987 782	Amount (48) 26,534,68 4,067,21 8,104,88 4,434,06 3,594,99
gross estate All returns, total	(41) 36,031 8,255 3,378 2,720 1,088 380	Amount (42) 655,575 114,037 186,857 103,084	(43) 41,766 20,900 15,630 3,264 1,294 440	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053	(45) 9,792 4,394 3,587 1,047 456 182	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215	(47) 23,075 10,632 9,283 1,987 782 245	Amount (48) 26,534,68 4,067,21 8,104,88 4,434,06 3,594,99 2,216,65
gross estate All returns, total	(41) 36,031 8,255 3,378 2,720 1,088 380 208	Amount (42) 655,675 114,037 186,857 103,084 80,806 77,387 93,403	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023	Number (45) 9,792 4,394 3,587 1,047 466 182 124	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294	0ed Number (47) 23,075 10,632 9,283 1,987 782 245 146	Amount (48) 26,534,68 4,067,28 8,104,98 4,434,06 3,594,96 2,216,65 4,116,85
gross estate All returns, total	(41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130	Amount (42) 655,676 114,037 186,857 103,084 80,806 77,387 93,403 533,595	(43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639	Amount (46) 5,667,277 723,880 987,595 708,142 571,140 538,215 2,138,294 3,012,890	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250	Amount (48) 26,534,66 4,067,21 8,104,86 4,434,06 3,594,96 2,216,66 4,116,85 6,682,13
gross estate All returns, total	(41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013	Amount (42) 655,675 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531	Amount (48) 26,534,68 4,067,21 8,104,86 4,34,06 2,216,65 4,116,85 6,682,13
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627	Amount (42) 655,675 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 8,209	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493	Amount (48) 26,534,68 4,067,21 8,104,88 4,434,06 3,594,99 2,216,65 4,116,65 6,682,13 58,73 728,85
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623	Amount (48) 26,534,68 4,067,21 8,104,89 4,434,06 3,594,99 2,216,65 4,116,85 6,682,13 58,73 728,85
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 886	Amount (42) 655,676 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 8,209 2,076 917	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361	Amount (46) 5,667,277 723,880 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361	Amount (48) 26,534,68 4,067,21 8,104,89 4,434,06 3,594,99 2,216,65 4,116,85 6,682,13 728,85 856,55 1,257,92
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076 917 334	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465	(45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140	Amount (48) 26,534,68 4,067,21 8,104,89 4,434,06 3,594,99 2,216,65 4,116,85 6,682,13 728,85 856,55 1,257,92 1,027,23
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066	(43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076 917 334 192	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846	(45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102	Amount (48) 26,534,68 4,067,21 8,104,88 4,434,06 3,594,88 2,216,68 4,116,85 6,682,13 728,85 856,55 1,257,92 1,027,23 2,752,81
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184 13,901	Amount (42) 655,676 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066 121,980	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076 917 334 192 20,506	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846 2,110,759	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112 4,152	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592 2,654,387	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102 19,825	Amount (48) 26,534,66 4,067,21 8,104,86 4,434,06 3,594,96 2,216,66 4,116,85 6,682,13 58,75 728,85 1,257,92 1,027,25 2,752,81 19,852,54
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184 13,901 9,242	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066 121,980 49,126	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076 917 334 192 20,506	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846 2,110,759 484,816	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112 4,152 2,544	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592 2,654,387 680,693	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102 19,825 10,100	Amount (48) 26,534,68 4,067,21 8,104,88 4,434,06 3,594,99 2,216,65 4,116,85 6,682,13 728,85 856,55 1,257,92 2,752,81 19,852,54 4,008,48
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184 13,901 9,242 3,751	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066 121,980 49,126 37,848	(43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 6,532 8,209 2,076 917 334 192 20,506 12,367 6,421	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846 2,110,759 484,816 730,046	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112 4,152 2,544 1,196	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592 2,654,387 680,693 768,466	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102 19,825 10,100 7,790	Amount (48) 26,534,66 4,067,21 8,104,86 4,434,06 3,594,96 2,216,65 4,116,86 6,682,13 58,73 728,86 856,55 1,257,92 1,027,23 2,752,81 19,852,54 4,008,44 7,376,04
gross estate All returns, total	Number (41) 36,031 8,265 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184 13,901 9,242 3,751 632	Amount (42) 655,675 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066 121,980 49,126 37,848 10,943	Number (43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 8,532 9,209 2,076 917 334 192 20,506 12,367 6,421 1,189	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846 2,110,759 484,816 730,046 364,093	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112 4,152 2,544 1,196 278	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592 2,654,387 680,693 768,466 434,335	Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102 19,825 10,100 7,790 1,364	Amount (48) 26,534,68 4,067,21 8,104,89 4,434,06 3,594,99 2,216,65 4,116,85 6,682,13 58,73 728,85 856,55 1,257,92 1,027,23 2,752,81 4,008,48 7,376,04 3,577,47
gross estate All returns, total	Number (41) 36,031 8,255 3,378 2,720 1,088 380 208 22,130 9,013 9,627 2,089 896 322 184 13,901 9,242 3,751	Amount (42) 655,575 114,037 186,857 103,084 80,806 77,387 93,403 533,595 64,911 149,009 92,141 75,330 63,137 89,066 121,980 49,126 37,848	(43) 41,766 20,900 15,630 3,264 1,294 440 238 21,260 6,532 8,209 2,076 917 334 192 20,506 12,367 6,421	Amount (44) 3,820,775 604,418 1,184,976 644,306 506,000 344,053 537,023 1,710,016 119,602 454,931 280,213 303,959 189,465 361,846 2,110,759 484,816 730,046	Number (45) 9,792 4,394 3,587 1,047 456 182 124 5,639 1,850 2,392 770 361 155 112 4,152 2,544 1,196	Amount (46) 5,667,277 723,890 987,595 708,142 571,140 538,215 2,138,294 3,012,890 43,196 219,129 273,808 300,032 371,133 1,805,592 2,654,387 680,693 768,466	ded. Number (47) 23,075 10,632 9,283 1,987 782 245 146 3,250 531 1,493 623 361 140 102 19,825 10,100 7,790	Amount (48) 26,534,66 4,067,21 8,104,86 4,434,06 3,594,96 2,216,65 4,116,86 6,682,13 58,77 728,86 856,56 1,257,92 1,027,23 2,752,81 19,852,54 4,008,44 7,376,04

Table 2.-Estate Tax Returns Filed for 1989 Decedents: Gross Estate by Type of Property, Deductions, Taxable Estate, Estate Tax and Tax Credits, by Size of Gross Estate¹—Continued
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of gross estate	Taxabl	e estate	Adjusted t	axable gifts	Adjusted ta	xable estate	Estate tax t	pefore credits
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)
All returns, total	46,556	48,851,611	5,110	1,172,025	46,622	50,023,636	46,594	19,595,66
600,000 under \$1,000,000	23,776	13,977,740	1,499	165,263	23,794	14,143,003	23,780	4,595,81
1,000,000 under \$2,500,000	17,217	16,103,646	1,916	293,279	17,244	16,396,925	17,234	5,803,57
2,500,000 under \$5,000,000	3,512	6,326,182	838	228,317	3,520	6,554,499	3,520	. 2,711,58
5,000,000 under \$10,000,000	1,361	4,445,749	475	153,155	1,367	4,598,905	1,366	2,141,10
10,000,000 under \$20,000,000	447	2,943,180	237	158,559	452	3,101,739	450	1,556,95
20,000,000 or more	243	5,055,114	148	173,451	244	5,228,565	244	2,786,62
Taxable returns, total	23,158	37,527,004	3,608	1,009,956	23,158	38,536,960	23,158	15,955,61
600,000 under \$1,000,000		7,177,864	943	125,411	9,569	7,303,275	9,569	2,431,15
1,000,000 under \$2,500,000	9,920	12,548,395	1,349	237,209	9,920	12,785,604	9,920	4,656,64
2,500,000 under \$5,000,000		.5,639,820	610	193,430	2,175	5,833,249	2,175	2,481,75
5,000,000 under \$10,000,000		4,233,925	375	135,655	949	4,369,581	949	2,068,16
10,000,000 under \$20,000,000		2,891,556	200	148,835	344	3,040,391	344	1,538,32
20,000,000 or more	201	5,035,444	130	169,416	201	5,204,859	201	2,779,56
Nontaxable returns, total	23,398	11,324,607	1,502	162,069	23,464	11,486,676	23,436	3,640,04
600,000 under \$1,000,000	14,206	6,799,876	556	39,852	14,225	6,839,729	14,211	2,164,66
1,000,000 under \$2,500,000	7,298	3,555,251	567	. 56,070	7,325	3,611,321	7,314	1,146,92
2,500,000 under \$5,000,000	1,337	686,362	228	34,888	1,345	721,250	1,345	229,83
5,000,000 under \$10,000,000	412	211,824	100	17,500	418	229,324	417	72,94
10,000,000 under \$20,000,000	103	51,624	36	9,724	108	61,348	106	18,63
20,000,000 or more	42	19,670	15	4,035	43	23,705	43	7,05
	Allowable unified credit							
Size of gross estate	Allowable u	unified credit	Other ta	x credits	Estate tax	after credits	Lifetime	transfers
Size of gross estate	Allowable u Number	nified credit	Other ta	x credits Amount	Estate tax	after credits Amount	Lifetime Number	· · ·
								· · ·
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
gross estate Ali returns, total	Number (57) 46,594	Amount (58) 8,048,764	Number (59) 27,338	Amount (60) 2,518,411	Number (61)	Amount (62)	Number (63)	Amount (64) 15,156,25
gross estate Ali returns, total	Number (57) 46,594 23,781	Amount (58) 8,048,764 3,980,536	Number (59) 27,338 12,445	Amount (60) 2,518,411 218,928	Number (61) 23,158 9,569	Amount (62) 9,028,679 396,550	Number (63) 12,168 5,339	Amount (64) 15,156,25 2,525,98
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234	Amount (58) 8,048,764 3,980,536 3,039,700	Number (59) 27,338 12,445 10,870	Amount (60) 2,518,411 218,928 534,439	Number (61) 23,158 9,569 9,920	Amount (62) 9,028,679 396,550 2,229,427	Number (63) 12,168 5,339 4,736	Amount (64) 15,156,25 2,525,98 4,172,05
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520	Amount (58) 8,048,764 3,980,536 3,039,700 643,897	Number (59) 27,338 12,445 10,870 2,444	Amount (60) 2,518,411 218,928	Number (61) 23,158 9,569	Amount (62) 9,028,679 396,550	Number (63) 12,168 5,339	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520	Amount (58) 8,048,764 3,980,536 3,039,700	Number (59) 27,338 12,445 10,870	Amount (60) 2,518,411 218,928 534,439 347,839	Number (61) 23,158 9,569 9,920 2,175	Amount (62) 9,028,679 396,550 2,229,427 1,719,846	Number (63) 12,168 5,339 4,736 1,222	Amount (64) 15,156,25 2,525,98
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804	Number (59) 27,338 12,445 10,870 2,444 1,018	Amount (60) 2,518,411 218,928 534,439 347,839 346,356	Number (61) 23,158 9,569 9,920 2,175 949	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947	Number (63) 12,168 5,339 4,736 1,222 522	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 84,289	Number (59) 27,338 12,445 10,870 2,444 1,018 357	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230	Number (61) 23,158 9,569 9,920 2,175 949 344	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441	Number (63) 12,168 5,339 4,736 1,222 522 214	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 642,89 45,537 4,463,256 1,844,619	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 84,289 45,537 4,463,256 1,844,619 1,911,915	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 9,135 9,744	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 84,289 45,537 4,463,256 1,844,619 1,911,915 419,018	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296 342,889	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,08
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296 342,889 345,308	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,06 1,360,53
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 68,220	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938 341	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,286 342,889 345,308 325,669	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,08 1,360,53 1,231,81
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 66,220 38,574	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 9,135 9,744 2,147 938 341 196	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,286 342,889 345,308 325,669 744,528	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,08 1,360,53 1,231,81 2,214,58
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200 23,437	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 66,220 38,574 3,585,508	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 9,135 9,744 2,147 938 341 196 4,836	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296 342,889 345,308 325,669 744,528 54,739	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344 201	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115 6,332	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,08 1,360,53 1,231,81 2,214,58 5,589,09
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200 23,437 14,212	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 68,220 38,574 3,585,508 2,135,917	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938 341 196 4,836 3,310	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296 342,889 345,308 325,669 744,528 54,739 28,946	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344 201	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115 6,332 3,475	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,48 1,489,08 1,360,53 1,231,81 2,214,58 5,589,09 1,533,34
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200 23,437 14,212 7,314	Amount (58) 8,048,764 3,980,536 3,039,700 643,697 254,804 84,269 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 68,220 38,574 3,585,508 2,135,917 1,127,785	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938 341 196 4,836 3,310 1,126	Amount (60) 2,518,411 218,928 534,439 346,356 326,230 744,619 2,463,672 189,982 515,286 342,889 345,308 325,669 744,528 54,739 28,946 19,142	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344 201	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115 6,332 3,475 2,203	Amount (64) 15,156,25 2,525,96 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,63 2,278,46 1,489,06 1,360,55 1,231,81 2,214,56 5,589,06 1,533,34 1,893,55
gross estate All returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200 23,437 14,212 7,314 1,345	Amount (58) 8,048,764 3,980,536 3,039,700 643,897 254,804 64,289 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 66,220 38,574 3,585,508 2,135,917 1,127,785 224,879	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938 341 196 4,836 3,310 1,126 297	Amount (60) 2,518,411 218,928 534,439 347,839 346,356 326,230 744,619 2,463,672 189,982 515,296 342,889 345,308 325,689 744,528 54,739 28,946 19,142 4,951	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344 201	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115 6,332 3,475 2,203 428	Amount (64) 15,156,25 2,525,96 4,172,05 2,334,04 1,918,50 1,527,33 2,678,32 9,567,16 992,66 2,278,45 1,489,06 1,360,53 1,231,81 2,214,56 5,589,06 1,533,34 1,893,55 844,98
gross estate Ali returns, total	Number (57) 46,594 23,781 17,234 3,520 1,366 450 243 23,157 9,569 9,920 2,175 949 344 200 23,437 14,212 7,314 1,345 417	Amount (58) 8,048,764 3,980,536 3,039,700 643,697 254,804 84,269 45,537 4,463,256 1,844,619 1,911,915 419,018 182,911 68,220 38,574 3,585,508 2,135,917 1,127,785	Number (59) 27,338 12,445 10,870 2,444 1,018 357 203 22,502 8,135 9,744 2,147 938 341 196 4,836 3,310 1,126	Amount (60) 2,518,411 218,928 534,439 346,356 326,230 744,619 2,463,672 189,982 515,286 342,889 345,308 325,669 744,528 54,739 28,946 19,142	Number (61) 23,158 9,569 9,920 2,175 949 344 201 23,158 9,569 9,920 2,175 949 344 201	Amount (62) 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467 9,028,679 396,550 2,229,427 1,719,846 1,539,947 1,146,441 1,996,467	Number (63) 12,168 5,339 4,736 1,222 522 214 134 5,836 1,864 2,533 794 359 171 115 6,332 3,475 2,203	Amount (64) 15,156,25 2,525,98 4,172,05 2,334,04 1,918,50

¹ Gross estate and asset values are shown at their value on the decedent's date-of-death.

NOTE: Detail may not add to totals because of rounding.

Table 3.-Estate Tax Returns Filed for 1989 Decedents: Debts, Net Worth, Types of Property, Charitable Deductions and Estate Tax, by Size of Net Worth¹
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of net worth	Number of returns	Gross estate, date-of-death	Debts and	mortgages	Net	worth	Real	estate
			Number	Amount	Number	Amount	Number	Amount
· ·	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
All returns, total	50,376	87,683,991	41,766	3,820,775	50,376	83,863,215	42,962	19,823,102
Under \$600,000 ²	1,639	1,318,459	1,639	607,199	1,639	711,261	1,472	646,570
\$600,000 under \$1,000,000	25,894	20,441,235	20,702	722,348	25,894	19,718,887	21,642	5,806,104
\$1,000,000 under \$2,500,000	17,446	26,680,322	14,598	1,018,011	17,446	25,662,312	15,077	6,696,535
\$2,500,000 under \$5,000,000	3,426	12,129,294	3,006	487,697	3,426	11,641,596	2,989	2,540,647
\$5,000,000 under \$10,000,000	1,310 426	9,131,799 6,002,840	1,195 404	370,926 245,051	1,310 426	8,760,872 5,757,789	1,176 385	1,820,588 1,053,505
\$10,000,000 under \$20,000,000 \$20,000,000 or more	235	11,980,042	223	369,544	235	11,610,498	221	1,259,153
· · · · ·								
Taxable returns, total	23,158	51,424,960	21,260	1,710,016	23,158	49,714,944	18,679	9,628,781
Under \$600,0002	29	18,485	29	2,650	29	15,835		
\$600,000 under \$1,000,000	10,070	8,327,584	9,034	226,909	10,070	8,100,675	7,774	2,159,518
\$1,000,000 under \$2,500,000	9,593	14,683,568	8,883	503,364	9,593	14,180,205	7,914	3,446,911
\$2,500,000 under \$5,000,000	2,051	7,310,431	1,952	283,818	2,051	7,026,612	1,729	1,359,028
\$5,000,000 under \$10,000,000	900	6,272,255	867 311	226,083 167,410	900 322	6,046,173 4,364,565	796 286	1,131,404 695,141
\$10,000,000 under \$20,000,000	322 193	4,531,975 10,280,662	184	299,783	193	9,980,879	180	836,779
\$20,000,000 or more								-
Nontaxable returns, total	27,218	36,259,030	20,506	2,110,759	27,218	34,148,272	24,283	10,194,321
Under \$600,0002	1,610	1,299,974	1,610	604,549	1,610	695,425	1,472	646,570
\$600,000 under \$1,000,000	15,824	12,113,651	11,669	495,439	15,824	11,618,212	13,869	3,646,586
\$1,000,000 under \$2,500,000	7,852	11,996,754	5,715	514,647	7,852	11,482,107	7,163 1,260	3,249,624 1,181,620
\$2,500,000 under \$5,000,000	1,375	4,818,863	1,053 328	203,879 144,843	1,375 411	4,614,984 2,714,700	380	689,184
\$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000	411 104	2,859,543 1,470,865	92	77,641	104	1,393,225	99	358,364
\$20,000,000 or more	42	1,699,380	38	69,761	42	1,629,619	41	422,374
425,000,000 of file	ļ							
Size of net worth	State and local G	overnment bonds	Federal Governm	ent savings bonds	Other Federal G	overnment bonds	Corporate and	foreign bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Ali returns, total	27,507	9,867,658	7,859	391,870	16,423	3,291,159	16,880	1,003,200
Under \$600,0002	344	36,387	135	5,548	218	19,675	236	9,458
\$600,000 under \$1,000,000	12,138	1,826,001	4,459	209,051	8,117	836,742	8,310	339,693
\$1,000,000 under \$2,500,000	10,967	3,093,293	2,649	128,447	5,948	950,114	6,287	289,394
\$2,500,000 under \$5,000,000	2,523	1,701,548	416	27,930	1,300	433,076	1,257	93,194
\$5,000,000 under \$10,000,000	1,004	1,260,877	147	11,447	518	326,120	506	79,865
\$10,000,000 under \$20,000,000	333	774,880	33	8,074	201	283,856	172	43,296
\$20,000,000 or more	198	1,174,672	20	1,375	120	441,577	112	148,300
Taxable returns, total							8,771	640,394
	13,840	6,456,750	3,733	211,919	8,706	2,244,363		1
Under \$600,000²	9	494	-		_	-	12	195
\$600,000 under \$1,000,000	9 4,820	494 787,920	 1,764	 88,743	3,599	 439,143	12 3,560	195 155,194
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	9 4,820 6,264	494 787,920 1,861,800	 1,764 1,567	 88,743 88,182	3,599 3,609	439,143 634,029	12 3,560 3,792	195 155,194 191,158
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	9 4,820 6,264 1,600	494 787,920 1,861,800 1,138,130	1,764 1,567 252	 88,743 68,182 17,880	3,599 3,609 846	 439,143	12 3,560 3,792 806	195 155,194
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	9 4,820 6,264 1,600 720	494 787,920 1,861,800 1,138,130 962,914	1,764 1,567 252 113	88,743 88,182 17,880 9,008	3,599 3,609 846 386	439,143 634,029 285,166 248,783	12 3,560 3,792 806 377	195 155,194 191,158 59,685
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	9 4,820 6,264 1,600	494 787,920 1,861,800 1,138,130	1,764 1,567 252	 88,743 68,182 17,880	3,599 3,609 846	439,143 634,029 285,166	12 3,560 3,792 806	195 155,194 191,158 59,685 55,207
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000	9 4,820 6,264 1,600 720 263 165	494 787,920 1,861,800 1,138,130 962,914 652,380	1,764 1,567 252 113 23	88,743 68,182 17,880 9,008 7,048	3,599 3,609 846 386 165	439,143 634,029 285,166 248,783 243,828	12 3,560 3,792 806 377 132	195 155,194 191,158 59,685 55,207 37,182
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000	9 4,820 6,264 1,600 720 263 165	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112	1,764 1,567 252 113 23 14	88,743 68,182 17,880 9,008 7,048 1,059	3,599 3,609 846 386 165	439,143 634,029 285,166 248,783 243,828 393,414	12 3,560 3,792 806 377 132 92	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 under \$20,000,000 \$20,000,000 or more Nontaxable returns, total	9 4,820 6,264 1,600 720 263 165 13,667	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908	1,764 1,567 252 113 23 14 4,126	88,743 88,182 17,880 9,008 7,048 1,059	3,599 3,609 846 386 165 101 7,716	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599	12 3,560 3,792 806 377 132 92	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499
\$600,000 under \$1,000,000. \$1,000,000 under \$2,500,000. \$2,500,000 under \$5,000,000. \$5,000,000 under \$10,000,000. \$10,000,000 under \$20,000,000. \$20,000,000 or more Nontaxable returns, total Under \$600,000². \$600,000 under \$1,000,000. \$10,000 under \$1,000,000.	9 4,820 6,264 1,600 720 263 165 13,667 336 7,318 4,703	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908 35,893 1,038,081 1,231,493	1,764 1,567 252 113 23 14 4,126 135 2,694 1,082	 88,743 88,182 17,880 9,008 7,048 1,059 179,951 5,548 120,308 40,265	3,599 3,609 846 386 165 101 7,716 218 4,518 2,339	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599 316,086	12 3,560 3,792 806 377 132 92 8,109 224 4,749 2,495	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499 98,236
\$600,000 under \$1,000,000	9 4,820 6,264 1,600 720 263 165 13,667 336 7,318 4,703 923	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908 35,893 1,038,081 1,231,493 563,418	1,764 1,567 252 113 23 14 4,126 135 2,694 1,082 184		3,589 3,609 846 386 165 101 7,716 218 4,518 2,339 483	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599 316,086 147,910	12 3,560 3,792 806 3777 132 92 8,109 224 4,749 2,495 451	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499 98,236 33,509
\$600,000 under \$1,000,000	9 4,820 6,264 1,600 720 263 165 13,667 336 7,318 4,703 923 284	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908 35,893 1,038,081 1,231,493 563,418 297,962	1,764 1,567 252 113 23 14 4,126 135 2,694 1,082 164 34	 88,743 68,182 17,880 9,008 7,048 1,059 179,951 5,548 120,308 40,265 10,050 2,439	3,599 3,609 846 386 165 101 7,716 218 4,518 2,339 453 132	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599 316,086 147,910 77,337	12 3,560 3,792 806 3777 132 92 8,109 224 4,749 2,495 451 129	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499 98,236 33,509 24,658
\$600,000 under \$1,000,000	9 4,820 6,264 1,600 720 263 165 13,667 336 7,318 4,703 923 284 70	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908 35,893 1,038,081 1,231,493 563,418 297,962 122,500	1,764 1,567 252 113 23 14 4,126 135 2,694 1,082 164 34	88,743 88,182 17,880 9,008 7,048 1,059 179,951 5,548 120,308 40,265 10,050 2,439 1,026	3,599 3,609 846 386 165 101 7,716 218 4,518 2,339 453 132	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599 316,086 147,910 77,337 40,028	12 3,560 3,792 806 377 132 92 8,109 224 4,749 2,495 451 129	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499 98,236 33,509 24,658 6,115
\$600,000 under \$1,000,000	9 4,820 6,264 1,600 720 263 165 13,667 336 7,318 4,703 923 284 70	494 787,920 1,861,800 1,138,130 962,914 652,380 1,053,112 3,410,908 35,893 1,038,081 1,231,493 563,418 297,962	1,764 1,567 252 113 23 14 4,126 135 2,694 1,082 164 34	 88,743 68,182 17,880 9,008 7,048 1,059 179,951 5,548 120,308 40,265 10,050 2,439	3,599 3,609 846 386 165 101 7,716 218 4,518 2,339 453 132	439,143 634,029 285,166 248,783 243,828 393,414 1,046,796 19,675 397,599 316,086 147,910 77,337	12 3,560 3,792 806 3777 132 92 8,109 224 4,749 2,495 451 129	195 155,194 191,158 59,685 55,207 37,182 141,773 362,806 9,262 184,499 98,236 33,509 24,658

Table 3.—Estate Tax Returns Filed for 1989 Decedents: Debts, Net Worth, Types of Property, Charitable Deductions and Estate Tax, by Size of Net Worth¹--Continued
[All figures are estimates based on samples - money amounts are in thousands of dollars]

Size of net worth	Closely I	neld stock	Othe	er stock	C	ash	Mortgage	s and notes		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
All returns, total	6,891	7,058,044	40,035	20,173,857	49,826	10,552,193	15,023	2,297,926		
Inder \$600,0002	251	41,002	962	. 88,910	1,568	119,104	505	53,434		
600,000 under \$1,000,000	2,137	454,682	19,674	3,774,409	25,629	3,942,865	6,731	550,349		
1,000,000 under \$2,500,000	2,871	1,226,599	14,621	6,013,084	17,271	3,583,018	5,507	681,625		
2,500,000 under \$5,000,000	943	954,503	2,979	3,181,862	3,396	1,098,568	1,328	339,150		
5,000,000 under \$10,000,000	428	902,343	1,187	2,450,590	1,303	734,396	594	232,600		
10,000,000 under \$20,000,000		639,659	390	1,844,652	425	394,956	215	127,119		
20,000,000 or more	, 112	2,839,256	222	2,820,349	234	679,286	143	313,646		
Taxable returns, total	2,475	4,457,069	19,381	13,755,486	23,028	6,400,796	6,786	1,268,694		
nder \$600,000²		608	29	8,588	29	5,752				
600,000 under \$1,000,000	460	95,413	7,995	1,826,416	10,016	1,860,414	2,522	213,17		
1,000,000 under \$2,500,000	1,114	489,886	8,218	3,828,614	9,537	2,332,612	2,807	330,452		
2,500,000 under \$5,000,000	461	482,122	1,827	2,168,595	2,039	747,420	789	218,323		
5,000,000 under \$10,000,000	246	507,018	831	1,911,066	894	547,139	391	145,530		
10,000,000 under \$20,000,000	97	411,797	295	1,518,899	321	317,673	160	86,243		
20,000,000 or more	88	2,470,225	185	2,493,308	192	589,785	116	274,975		
Nontaxable returns, total	4,415	2,600,975	20,654	6,418,370	26,798	4,151,397	8,237	1,029,232		
nder \$600,000²	C 242	40,394	933	80,323	1,539	113,352	505	53,43		
600,000 under \$1,000,000	1,677	359,269	11,679	1,947,993	15,613	2,082,451	4,209	337,17		
,000,000 under \$2,500,000	1,757	736,713	6,403	2,184,470	7,734	1,250,406	2,700	351,17		
2,500,000 under \$5,000,000	482	472,380	1,152	1,013,267	1,358	351,148	539	120,826		
5,000,000 under \$10,000,000	182	395,325	355	539,524	409	187,256	203	87,07		
0,000,000 under \$20,000,000 20,000,000 or more	· 51 24	227,862 369,032	95 36	325,753 327,041	- 104 42	77,283 89,501	55	40,87		
	لسنتحد			327,047	72	33,301	26	38,671		
Size of	Life insurance		1)	i		Limited partnerships		
	Life ins	urance	Ann	uities .	Farm	assets	Limited pa	irtuerships		
net worth			<u> </u>	,						
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
net worth			<u> </u>	,						
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
net worth All returns, total	Number (25)	Amount (26)	Number `(27)	Amount (28)	Number (29)	Amount (30)	Number (31)	Amount (32)		
net worth All returns, total nder \$600,000 ²	Number (25) 27,247	Amount (26) 2,709,236	Number (27) 17,042	Amount (28) 2,715,461	Number (29) 3,680	Amount (30) 275,204	Number (31) 6,431	Amount (32)		
net worth All returns, total nder \$600,000 ²	Number (25) 27,247 1,072	Amount (26) 2,709,236 123,878	Number (27) 17,042 616	Amount (28) 2,715,461 39,569	Number (29) 3,680	Amount (30) 275,204 17,403	Number (31) 6,431 179	Amount (32) 815,871 13,379		
net worth All returns, total	(25) 27,247 1,072 13,565 9,635 1,881	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354	Number (27) 17,042 616 8,167	Amount (28) 2,715,461 39,569 752,198	Number (29) 3,680 184 2,052	Amount (30) 275,204 17,403 91,066	Number (31) 6,431 179 2,073	(32) 815,871 13,379 71,068		
net worth All returns, total	(25) 27,247 1,072 13,565 9,635 1,881 735	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280	Number (27) 17,042 616 8,167 6,252 1,296 477	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162	Number (29) 3,680 184 2,052 1,085 221 80	Amount (30) 275,204 17,403 91,066 76,094	Number (31) 6,431 179 2,073 2,713	(32) 815,871 13,379 71,068 172,781		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820	Number (27) 17,042 616 8,167 6,252 1,296 477 147	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710	(29) 3,680 184 2,052 1,085 221	Amount (30) 275,204 17,403 91,066 76,094 27,852	(31) 6,431 179 2,073 2,713 807	Amount (32) 815,871 13,379 71,068 172,781 150,342		
net worth All returns, total	(25) 27,247 1,072 13,565 9,635 1,881 735	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280	Number (27) 17,042 616 8,167 6,252 1,296 477	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162	Number (29) 3,680 184 2,052 1,085 221 80	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210	(31) 6,431 179 2,073 2,713 807 417	.4mount (32) 815,871 13,379 71,068 172,781 150,342 156,088		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820	Number (27) 17,042 616 8,167 6,252 1,296 477 147	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710	Number (29) 3,680 184 2,052 1,085 221 80 36	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855	Number (31) 6,431 179 2,073 2,713 807 417 150	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555	Number (29) 3,680 184 2,052 1,085 221 80 36 21	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725	Number (31) 6,431 179 2,073 2,713 807 417 150 92	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786	Number (31) 6,431 179 2,073 2,713 807 417 150 92	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,871		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,311 137,671 441,627		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 - 21,100 24,710 13,695 16,850	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,033 72,999		
net worth All returns, total	(25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,313 82,033 72,999 51,099		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 - 21,100 24,710 13,695 16,850	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,033 72,999		
net worth All returns, total	(25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,313 82,033 72,999 51,099		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,668 1,933,660 122,852	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 38,172	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418 17,403	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664 179	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,313 82,033 72,999 51,099 125,732		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055 9,326	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868 1,933,660 122,852 700,546	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608 6,038	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 36,172 583,654	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,671 441,627 27,451 82,313 82,033 72,999 51,099 125,732 374,244		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055 9,326 5,389	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868 1,933,660 122,852 700,546 765,306	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608 6,038 3,935	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 38,172 583,654 852,782	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418 17,403	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664 179	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,871 441,627 27,451 82,313 82,033 72,999 51,099 125,732 374,244 13,379		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055 9,326 5,389 931	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868 1,933,660 122,852 700,546 765,306 217,357	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608 6,038 3,935 731	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 38,172 583,654 852,782 228,960	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146 184 1,333	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418 17,403 69,966	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664 179 1,409	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,871 441,627 27,451 82,313 82,033 72,999 125,732 374,244 13,379 43,618		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055 9,326 5,389 931 282	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868 1,933,660 122,852 700,546 765,306 217,357 85,958	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608 6,038 3,935 731 209	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 38,172 583,654 852,782 228,960 108,065	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146 184 1,333 506	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418 17,403 69,966 51,383	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664 179 1,409 1,461	Amount (32) 815,871 13,379 71,068 172,781 150,0342 156,088 114,341 137,871 441,627 27,451 82,313 82,033 72,999 51,099 125,732 374,244 13,379 43,618 90,468		
net worth All returns, total	Number (25) 27,247 1,072 13,565 9,635 1,881 735 223 136 10,160 17 4,239 4,246 950 454 151 104 17,086 1,055 9,326 5,389 931	Amount (26) 2,709,236 123,878 885,318 1,066,477 347,354 165,280 51,820 69,107 775,575 1,026 184,772 301,171 129,997 79,322 32,418 46,868 1,933,660 122,852 700,546 765,306 217,357	Number (27) 17,042 616 8,167 6,252 1,296 477 147 87 5,451 9 2,129 2,317 565 268 93 70 11,592 608 6,038 3,935 731	Amount (28) 2,715,461 39,569 752,198 1,186,794 378,473 213,162 96,710 48,555 843,592 1,397 168,544 334,013 149,513 105,097 49,686 35,341 1,871,869 38,172 583,654 852,782 228,960	Number (29) 3,680 184 2,052 1,085 221 80 36 21 1,534 718 579 142 60 21 14 2,146 184 1,333 506 80	Amount (30) 275,204 17,403 91,066 76,094 27,852 22,210 10,855 29,725 107,786 21,100 24,710 13,695 16,850 3,340 28,091 167,418 17,403 69,966 51,383 14,157	Number (31) 6,431 179 2,073 2,713 807 417 150 92 2,767 664 1,252 407 260 104 80 3,664 179 1,409 1,461 400	Amount (32) 815,871 13,379 71,068 172,781 150,342 156,088 114,341 137,871 441,627 27,451 82,313 82,033 72,999 51,099 125,732 374,244 13,379 43,618 90,468 68,309		

Table 3.--Estate Tax Returns Filed for 1989 Decedents: Debts, Net Worth, Types of Property, Charitable Deductions and Estate Tax, by Size of Net Worth¹--Continued
[All figures are estimates based on samples – money amounts are in thousands of dollars]

Size of net worth		ncorporate nesses	Other assets		Charitable bequests deduction		Estate tax after credits	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
All returns, total	8,553	2,629,996	45,924	4,079,215	9,792	5,667,277	23,158	9,028,679
Inder \$600,0002	290	53,749	1,458	50,393	109	14,004	29	3,644
600,000 under \$1,000,000	2,945	278,601	23,102	623,089	4,425	723,300	10,070	433,626
1,000,000 under \$2,500,000	3,503	634,818	16,158	881,249	3,496	985,706	9,593	2,270,544
2,500,000 under \$5,000,000	1,010	406,016	3,293	448,779	1,033	720,206	2,051	1,712,325
5,000,000 under \$10,000,000	497	393,217	1,265	363,013	433	570,594	900	1,529,973
10,000,000 under \$20,000,000	174	226,842	417	332,276	175	517,099	322	1,111,638
20,000,000 or more	133	636,753	231	1,380,417	120	2,136,367	193	1,966,930
Taxable returns, total	3,368	1,446,652	21,158	2,745,476	5,639	3,012,890	23,158	9,028,679
Inder \$600,0002		- 1	29	425	9	473	29	3,644
600,000 under \$1,000,000	884	106,179	8,827	193,605	1,938	44,530	10,070	433,626
1,000,000 under \$2,500,000	1,450	240,319	8,939	497,398	2,334	228,462	9,593	2,270,544
2,500,000 under \$5,000,000	491	173,172	1,982	285,672	759	274,462	2,051	1,712,325
5,000,000 under \$10,000,000	314	239,444	874	240,473	343	303,185	900	1,529,973
10,000,000 under \$20,000,000	123	160,486	317	264,755	149	358,112	322	1,111,638
20,000,000 or more	106	527,053	191	1,263,149	108	1,803,664	193	1,966,930
Nontaxable returns, total	5,184	1,183,344	24,766	1,333,739	4,152	2,654,387	_	-
Inder \$600,0002	290	53,749	1,430	49,969	101	13,531	-	
600,000 under \$1,000,000	2,061	172,422	14,275	429,484	2,487	678,770		-
1,000,000 under \$2,500,000	2,054	394,500	7,219	383,851	1,162	757,244		-
2,500,000 under \$5,000,000	519	232,844	1,311	163,107	274	445,743		-
5,000,000 under \$10,000,000	183	153,774	391	122,540	90	267,409	-	J -
10,000,000 under \$20,000,000	51	66,356	100	67,520	26	158,987		•
20,000,000 or more	26	109,700	. 39	117,268	12	332,703	-	i -

¹ Gross estate and asset values are shown at their value on the decedent's date-of-death.

² Includes estates with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 4.—Estate Tax Returns Filed for 1989 Decedents: Gross Estate and Charitable Bequests, and Recipients of Charitable Bequests, by Sex and Marital Status of Decedent
[All figures are estimates based on samples — money amounts are in thousands of dollars]

Sex, marital status				charitable		and	Reli	igious	
Sex, manual status	Number of returns	Gross estate, tax purposes ¹	beq	uests	huma	anities			
		<u> </u>	Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
All decedents									
Total	50,376	87,171,506	9,792	5,765,620	922	313,928	5,810	590,486	
farried		44,748,218	1,938	784,198	134	20,169		1	
/idow or widower		32,128,779	5,876	3,053,567	534	234,344	1,111 3,509	56,78 363,70	
ingle	,	6,116,650	1,704	1,472,596	207	53,057	968	125,01	
ther		4,177,859	474	455 259	46	6,358	221	44,97	
Female Decedents	} '							-	
Total	22,345	34,898,047	5,785	2,974,542	561	254,155	3,570	354,01	
arried	. 5,343	8,576,131	414	97,506	26	3,681	253	6,75	
lidow		22,328,799	4,148	2,130,494	379	214,889	2,572	242,14	
ingle	. 1,799	2,334,374	984	543,354	137	34,638	622	72,91	
ther	936	1,658,743	239	203,188	18	947	122	32,20	
Male Decedents				İ					
Total	28,031	52,273,459	. 4,007	2,791,078	361	59,773	2,240	238,46	
arried	. 18,554	36,172,087	1,524	686,691	107	16,488	858	50,030	
idower		9,799,980	1,528	923,074	155	19,455	937	121,55	
ingle		3,782,276	720	929,242	70	. 18,419	345	52,104	
ther	. 1,249	2,519,116	. 235	252,070	29	5,411	99	12,771	
	Education	al, medical	So	cial	Priv	/ate ˈ	Other		
Sex, marital status	and s	cience *	we	fare	found	ations			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
•	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
All decedents								· ·	
Total	. 5,133	1,721,904	1,086	123,234	576	1,688,244	3,444	1,327,831	
arried	. 947	165,819	. 157	16,255	131	375,063	643	150,105	
idow or widower:	. 2,971	1,070,852	706	64,379	285	690,295	1.970	629,996	
ngle	980	419,711	191	38,513	124	432,655	642	403,646	
ther	. 234	65,521	. 33	4,087	35	190,231	189	144,084	
Female Decedents					•			,	
Total	. 2,999	997,672	671	. 59,219	286	534,708	2,117	774,771	
arried	. 169	23,773	41	1,449	20	13,929	163	47,923	
idow	2,129	752,357	497	44,527	191	393,246	1,452	483,325	
ngle		198,521	108	11,821	64	90,357	404	135,105	
her	107	23,021	25	1,422	12	37,175	`98	108,417	
Male Decedents									
Total		724,232	415	64,014	289	1,153,536	1,327	553,060	
arried		142,046	115	14,806	111	361,134	480	. 102,182	
dower		318,495	209	19,852	94	297,048	518	146,671	
ngle		221,190	· 83	26,692	61	342,298	238	268,540	
ther	128	42,501	8	2,665	23 [153,056	91	35,667	

NOTE: Detail may not add to totals because of rounding.

Table 5.—Estate Tax Returns Filed for 1989 Decedents: Gross Estate, Deductions and Estate Tax, by State of Residence

[All figures are estimates based on samples - money amounts are in thousands of dollars]

ł	Number	Gross	lotala	lowable		death		te tax
State	of	estate, tax	dedu	ctions	tax	credit	after o	redits
	returns	purposes ¹	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	50,376	87,171,506	50,333	38,488,473	27,292	2,411,750	23,158	9,028,67
Jabama	442	710,407	442	298,205	216	17,067	196	79,02
laska	55	78,262	55	35,958	12	1,251	11	5,31
vrizona	625	899,394	625	372,825	307	19,798	270	78,92
Arkansas	295	445,245	295	207,440	150	7,865	147	35,01
California	9,382	15,495,688	9,376	6,583,020	4,698	392,850	4,252	1,530,63
Colorado	507	775,091	507	321,187	267	18,515	236	71,32
Connecticut	1,295	2,142,916	1,295	1,051,191	760	50,230	546	192,46
elaware	186	260,347	186	120,000	104	4,801	71	18,85
istrict of Columbia	159	435,238	159	153,064	103	21,808	91	76,76
lorida	4,580	9,896,316	4,580	4,570,919	2,431	335,789	2,110	1,167,74
3eorgia	900	1,534,241	. 900	719,669	439	35,137	400	138,32
Hawaii	319	570,562	319	207,851	193	21,832	168	78,91
daho	135	159,073	135	84,673	49	1,328	30	4,67
llinois	2,465	4,240,581	2,448	1,882,788	1,247	102,990	1,163	415,02
ndiana	590	1,229,325	590	570,026	295	43,981	240	147,22
owa	618	695,776	618	269,825	331	11,780	231	43,83
(ansas	530	740,337	530	283,718	268	21,384	189	72,10
Centucky	503	785,529	503	294,595	304	23,699	219	94,02
ouisiana	389	707,140	389	333,058	253	17,549	173	67,44
Vaine	312	416,300	300	121,061	207	11,543	200	48,40
	943	1,443,847	943	630,974	562	34,341	442	135,12
Maryland	1.477	2,388,681	1,477	1,109,081	870	61,313	621	219,10
Michigan	1,212	1,852,852	1,212	789,428	761	41,597	603	159,56
_	710	1,046,253	710	361,619	407	35,069	347	128,27
Minnesota Mississippi	284	398,600	284	182,599	123	7,377	98	30,01
**		1	ı	l .	599	60,795	560	209.68
Missouri	971	1,786,126	971	726,405	46	4,736	46	18,46
Montana	115	142,826	115 384	40,946	217	6,552	185	22,16
Nebraska	384	427,663	213	180,495	112	4,462	90	16,75
Nevada	213	306,830 355,242	213	147,120 139,767	152	6,757	143	25,35
New Hampshire	291	1]	1		1		1
New Jersey	1,948	3,238,128	1,948	1,601,904	854	63,614	873	277,97
New Mexico	149	247,101	149	87,112	73	7,845	68	32,43
New York	4,476	9,516,901	4,467	4,639,511	2,682	297,359	2,195	1,059,67
North Carolina	1,018	1,565,910	1,018	685,347	561	34,584	492	148,73
North Dakota	155	144,222	155	53,004	54	1,301	50	3,69
Ohio	1,721	2,650,529	1,721	1,089,453	1,163	67,523	856	255,70
Oklahoma	431	758,579	431	253,534	293	33,106	246	114,50
Oregon	395	538,643	395	211,065	219	11,329	204	42,58
Pennsylvania	2,167	3,802,647	2,167	1,563,053	1,431	133,474	1,006	459,91
Rhode Island	263	298,734	263	69,010	206	9,956	133	35,03
South Carolina	594	710,115	594	337,541	258	10,363	221	40,22
South Dakota	100	113,014	100	77,600	36	854	7	2,50
Tennessee	581	1,159,998	581	580,935	255	34,729	250	117,75
Texas	2,366	4,360,937	2,366	1,954,976	1,097	122,522	1,004	480,14
Jtah	103	281,876	103	139,244	68	9,095	56	36,07
	104	135,615	104	45,149	59	3,357	57 '	14,51
/ermont	1,137	2,210,619	1,137	1,054,142	583	58,037	537	232,51
Virginia	858	1,502,602	858	561.829	405	53,072	329	196,37
Washington	155	229,798	155	98,053	81	5,167	81	21.34
West Virginia	591	987,860	591	452,131	349	24,099	302	89,73
Wisconsin	l .			i .		1		
Wyoming		145,594	100	55,882	62	3,347	58	16,25
Other areas ²	79	205,395	79	88,491	22	2,820	55	20,40

¹ Gross estate is shown at the value used to determine estate tax liability. The value could be determined as of date-of-death or 6 months thereafter (i.e., alternate valuation method).

² U.S. citizens domiciled abroad.

NOTE: Detail may not add to totals because of rounding.

Table 6.—Estate Tax Returns Filed for 1989 Male Decedents: Gross Estate and Estate Tax, by Age and Marital Status of Decedent and Size of Gross Estate

[All figures are estimates based on samples — money amounts are in thousands of dollars]

		To	otal			Age of d	ecedent		
Marital status,	i ki dina		ate so		Under 50 years				
size of gross estate		estate, poses¹		te'tax credits		estate, rposes ^t		te tax credits	
· · · · · · · · · · · · · · · · · · ·	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
*	1 s (1)	(2)	(3)	(4)	(5)	(6)	(7) ·	(8)	
All decedents, total	28,031	52,273,459	9,607	4,073,868	1,382	2,716,132	360	119,979	
\$600,000 under \$1,000,000 \$1,000,000 or more	13,567 14,464	10,472,833 41,800,626	3,511 6,096	145,050 3,928,818	626 756	488,755 2,227,377	81 278	2,744 117,235	
Married decedents, total	18,554	36,172,087	2,704	1,384,107	888	1,700,853	68	26,883	
\$600,000 under \$1,000,000 \$1,000,000 or more	8,354 10,200	6,508,985 29,663,103	477 2,227	17,668 1,366,439	383 505	303,624 1,397,229	5 63	129 26,755	
Widowed decedents, total	6,075	9,799,980	4,694	1,765,885	20	22,632	11	1,704	
600,000 under \$1,000,000 61,000,000 or more	3,451 2,624	2,635,337 7,164,642	2,209 2,485	95,747 1,670,139	11 8	8,628 14,004	4 7	66 1,638	
Single decedents, total	2,153	3,782,276	1,412	470,591	340	790,235	207	65,529	
600,000 under \$1,000,000 1,000,000 or more	1,184 969	903,310 2,878,966	605 807	22,998 447,594	162 178	124,484 665,751	53 155	2,061 63,468	
Other decedents, total	1,249	2,519,116	797	453,284	134	202,412	73	25,863	
\$600,000 under \$1,000,000 51,000,000 or more	578 671	425,200 2,093,915	220 577	8,638 444,646	69 65	52,019` 150,394	20 53	489 25,374	

·			Age of decedent-Continued							
Mantal status,		50 under	60 years			60 under	70 years			
size of gross estate		estate, rposes ^t		ate tax credits		estate, irposes†		ate tax credits		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
All decedents, total	2,484	4,493,199	513	168,777	5,543	9,976,966	1,206	406,597		
\$600,000 under \$1,000,000	1,067	831,214	154	4,655	2,539	1,973,634	368	13,202		
\$1,000,000 or more	1,417	3,661,984	359	164,122	3,004	8,003,332	838	393,395		
Married decedents, total	1,894	3,561,575	135	41,239	4,430	8,255,831	424	140,068		
\$600,000 under \$1,000,000	738	584,047	12	302	1,945	1,528,903	63	1,165		
\$1,000,000 or more	1,156	2,977,528	123	40,937	2,485	6,726,928	362	138,903		
Widowed decedents, total	76	86,665	47	9,008	412	560,706	313	85,648		
\$600,000 under \$1,000,000	48	35,925	21	566	223	170,363	134	5,696		
\$1,000,000 or more	28	50,740	25	8,442	189	390,344	179	79,952		
Single decedents, total	264	341,270	170	33,421	356	488,570	240	61,842		
\$600,000 under \$1,000,000	165	123,908	79	2,030	207	154,086	110	4,085		
\$1,000,000 or more	100	217,362	91	31,390	149.	334,484	130	57,757		
Other decedents, total	249	503,669	162	85,109	345	671,858	229	119,039		
\$600,000 under \$1,000,000	118	87,335	41	1,756	163	120,282	61	2,256		
\$1,000,000 or more	133	416,354	120	83,352	182	551,576	168	116,783		

Table 6.-Estate Tax Returns Filed for 1989 Male Decedents: Gross Estate and Estate Tax, by Age and Marital Status of Decedent and Size of Gross Estate—Continued

[All fours are estimates based on samples — money amounts are in thousands of dollars]

				Age of decede	nt-Continued					
Marital status,		70 under	80 years			80 years and over				
size of gross estate	Gross tax pu			te tax credits		estate, rposes¹	Estate tax after credits			
(Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)		
All decedents, total	8,045	14,983,225	2,383	1,032,167	10,577	20,103,937	5,145	2,346,346		
800,000 under \$1,000,000	3,939	3,028,950	775	29,521	5,397	4,150,280	2,132	94,920		
1,000,000 or more	4,106	11,954,275	1,608	1,002,647	5,180	15,953,657	3,012	2,251,42		
Married decedents, total	5,749	11,471,077	808	425,774	5,593	11,182,752	1,269	750,14		
300,000 under \$1,000,000	2,636	2,049,462	106	2,651	2,651	2,042,949	291	13,42		
1,000,000 or more	3,113	9,421,615	701	423,123	2,942	9,139,803	978	736,72		
Widowed decedents, total	1,439	1,929,152	1,075	304,879	4,128	7,201,824	3,248	1,364,64		
00,000 under \$1,000,000	871	660,413	535	21,216	2,298	1,760,009	1,515	68,20		
1,000,000 or <i>more</i>	568	1,267,739	540	283,663	1,831	5,441,816	1,733	1,296,44		
Single decedents, total	553	968,066	316	170,736	638	1,194,136	479	139,06		
800,000 under \$1,000,000	311	230,837	111	4,813	339	269,995	252	10,00		
1,000,000 or more	243	737,228	205	165,923	299	924,141	227	129,05		
Other decedents, total	304	615,931	184	130,777	218	525,225	149	92,49		
600,000 under \$1,000,000	121	88,238	23	840	109	77,328	75	3,29		
1,000,000 or more	183	527,693	162	129,937	108	447,898	74	89,19		

¹ Gross estate is shown at the value used to determine estate tax liability. The value could be determined as of date-of-death or 6 months thereafter (i.e., alternate valuation method). NOTE: Detail may not add to totals because of rounding.

Table 7.—Estate Tax Returns Filed for 1989 Female Decedents: Gross Estate and Estate Tax, by Age and Marital Status of Decedent and Size of Gross Estate

[All figures are estimates based on samples -- money amounts are in thousands of dollars]

		Тс	otal			Age of decedent			
Marital status,		-	. 1		Under 50 years				
size of gross estate		estate, rposes ¹		ite tax credits		estate, rposes ¹		ite tax credits	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
All decedents, total	22,345	34,898,047	13,551	4,954,811	354	554,191	102	30,691	
\$600,000 under \$1,000,000	12,656	9,556,226	6,167	260,848	166	129,769	33	1,035	
\$1,000,000 or more	9,689	25,341,821	7,385	4,693,963	188	424,422	69	29,657	
Married decedents, total	5,343	8,576,131	1,016	364,790	230	383,474	28	8,400	
\$600,000 under \$1,000,000	2,862	2,179,841	325	11,323	97	77,313	4	167	
\$1,000,000 or more	2,481	6,396,290	691	353,467	134	306,161	24	8,233	
Widowed decedents, total	14,267	22,328,799	10,818	4,022,406	29	42,540	17	7,146	
\$600,000 under \$1,000,000	8,176	6,163,717	5,056	220,408	. 20	14,983	8	259	
\$1,000,000 or more	6,091	16,165,083	5,762	3,801,998	9	27,557	9	6,887	
Single decedents, total	1,799	2,334,374	1,091	260,981	36	46,795	27	3,736	
\$600,000 under \$1,000,000	1,109	839,000	551	18,813	19	14,666	12	429	
\$1,000,000 or more	690	1,495,374	540	242,168	18	32,129	14	3,307	
Other decedents, total	936	1,658,743	627	306,634	59 .	81,382	30	11,410	
\$600,000 under \$1,000,000	509	373,668	235	10,304	31	22,806	· 8	180	
\$1,000,000 or more	427	1,285,075	392	296,331	28	58,576	, 22 .	11,230.	

:		Age of decedent-Continued								
Marital status,		50 under	60 years			60 under	70 years			
size of gross estate		estate, rposes¹		te tax credits	•	estate, rposes¹		te tax credits		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
All decedents, total	854	1,268,725	252	61,210	2,550	4,088,895	1,008	352,812		
\$600,000 under \$1,000,000 \$1,000,000 or more	435 418	333,565 935,160	90 163	3,086 58,125	1,401 1,148	1,074,539 3,014,356	421 587	16,107 336,705		
Married decedents, total	546	886,442	49	12,242	1,400	2,316,547	189	57,988		
\$600,000 under \$1,000,000 \$1,000,000 or more	261 285	205,284 681,158	9 [.] 40	191 12,052	726 675	568,361 1,750,186	, 51 138	1,883 56,105		
Widowed decedents, total	144	186,945	101	25,470	831	1,172,625	600	199,273		
\$600,000 under \$1,000,000 \$1,000,000 or more	82 63	61,547 125,398	42 58	1,774 23,696	496 335	372,764 799,860	280 320	11,227 188,046		
Single decedents, total	65	64,372	36	5,356	127	153,839	84	18,671		
\$600,000 under \$1,000,000 \$1,000,000 or more	46 19	33,724 30,649	20 16	745 4,611	81 45	63,503 90,336	42 42	1,218 17,454		
Other decedents, total	98	130,966	66	18,142	192	445,884	136	76,879		
\$600,000 under \$1,000,000 \$1,000,000 or more	47 51	33,010 97,956	18 48	376 17,766	98 93	71,910 373,974	49 87	1,779 75,101		

Table 7.—Estate Tax Returns Filed for 1989 Female Decedents: Gross Estate and Estate Tax, by Age and Marital Status of Decedent and Size of Gross Estate—Continued

[All figures are estimates based on samples -- money amounts are in thousands of dollars]

<u> </u>				Age of decede	ent-Continued			
Marital status,		70 under	80 years			80 years	and over	
size of gross estate		estate, rposes ¹		ite tax credits		estate, rposes ¹		ite tax credits
	Number Amount Number Amount Number Amou		Amount	Number	Amount			
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
All decedents, total	5,714	8,348,340	3,330	1,176,988	12,874	20,637,896	8,859	3,333,109
800,000 under \$1,000,000	3,423	2,585,018	1,617	69,446	7,230	5,433,336	4,006	171,175
1,000,000 or more	2,290	5,763,323	1,713	1,107,542	5,644	15,204,560	4,853	3,161,934
Married decedents, total	1,710	2,634,874	394	164,151	1,457	2,354,794	357	122,000
800,000 under \$1,000,000	991	757,775	169	7,346	789	573,108	92	1,736
1,000,000 or more	719	1,877,099	225	156,805	668	1,781,686	265	120,27
Widowed decedents, total	3,407	4,869,042	2,568	881,489	9,856	16,057,647	7,531	2,909,02
300,000 under \$1,000,000	2,062	1,548,354	1,273	54,612	5,517	4,166,068	3,452	152,537
1,000,000 or more	1,346	3,320,688	1,295	826,877	4,339	11,891,579	4,079	2,756,49
Single decedents, total	336	422,018	190	49,620	1,234	1,647,350	754	183,596
800,000 under \$1,000,000	219	162,079	95	2,689	744	565,028	381	13,73
1,000,000 or more	117	259,938	95	46,932	491	1,082,322	373	169,869
Other decedents, total	260	422,406	178	81,728	327	578,104	216	118,475
600,000 under \$1,000,000	152	116,810	79	4,800	180	129,132	80	3,170
1,000,000 or more	108	305,597	99	76,929	147	448,972	136	115,30

t Gross estate is shown at the value used to determine estate tax liability. The value could be determined as of date-of-death or 6 months thereafter (i.e., alternate valuation method). NOTE: Detail may not add to totals because of rounding.

Analyzing the Weighting Strategy for the Statistics of Income 1987 Estate Study

by R. Louise Woodburn and Barry W. Johnson

ABSTRACT

The Internal Revenue Service's Statistics of Income Division (SOI) samples estate tax returns annually in order to provide regular estimates of the financial characteristics of estate tax filers. Currently, an estate tax return can be filed up to 9 months after a decedent's death and extensions are frequent beyond that. This makes it necessary to emphasize a single year of death over a three-year period, if estimates of a specific year of death are desired. The SOI estate program is designed such that a focus year of death occurs every 3rd or 4th year. These data are also used to estimate the wealth of the living population.

This paper will briefly examine the sample design for the 1987 Estate Study, as background to a discussion of weighting strategies. For the sample representing the 1987 filing year, post-stratification was investigated as a method of increasing the precision of estimates. A detailed comparison of the resulting variances attributable to each set of weights is presented.

I. HISTORY OF THE ESTATE TAX

The modern Estate Tax has been in effect since 1916. Estate and inheritance taxes, however, had been instituted periodically before this, usually to raise revenue during wartime. The estate tax is a tax on the transfer of assets from the decedent rather than on the value of assets inherited by a decedent's beneficiaries. The purpose of the tax is to raise revenue and to redistribute wealth in order to prevent the concentration of wealth in a small number of dynastic families. Initially, the tax rates ranged from 1 percent to 10 percent, with an exemption of \$40,000. The tax rates have varied widely over the years depending on revenue needs. The exemption remained between \$40,000 and \$60,000 until 1976 when it was raised to \$175,000 as a part of that year's tax reform legislation. The basic structure of the tax has remained intact since 1916, although there have been modifications to the tax law since then. In particular, certain provisions have been added to allow for alternate valuation of assets should their value decrease shortly after death, and to include a deduction for bequests to the surviving spouse.

Changes in estate tax law as a result of the Economic Recovery Tax Act of 1981 took effect for decedents who died after December 31, 1981. The major tax law changes as a result of this act were an increase in the basic exemption, gradually, from \$175,000 in 1981 to \$600,000 by 1987. This act also abolished limits on the allowable deduction for assets bequested to the surviving spouse, and reduced the maximum estate tax rate from 65% on assets in excess of \$4,000,000 in 1981, to 50% on all assets in excess of \$2,500,000 by 1988 (Bentz, 1984).

II. SAMPLE DESIGN

The Statistics of Income Division compiles a sample of the estate tax returns filed each year in order to estimate their characteristics. The sample selection occurs while the returns are being processed for revenue purposes. Thus, returns are selected on a flow basis using a Poisson probability sampling method where the rate is set a priori based on the desired sample size and an estimate of the population. The current estate study is designed to cycle every three or four years; that is, returns filed in three consecutive years are combined to create a file which focuses on a specified year of death.

This structure accommodates the filing requirements which allow an estate up to 9 months after the decedent's death to file an estate tax return. (An additional 6 months extension is often attainable.) For example, the return for a decedent who died in December 1986 might not be filed until March 1988. The sample focuses on year of death rather than filing year to parallel tax law changes. The estate tax data are also used to compute wealth estimates of the living population by using the Estate Multiplier Technique (see Schwartz, 1983). The 1987 Estate Study is the second year in a

The 1987 Estate Study is the second year in a 3-year program concentrating on 1986 year of death decedents. Thus, most of the returns filed in 1987 correspond to decedents with a 1986 year of death. The combined filings for 1986-1988 will contain virtually complete information on 1986 decedents, so that research can be conducted concerning those persons dying in 1986 whose estates required the filing of an estate tax return. Additionally, each of the annual estate studies are designed so that good estimates of the financial characteristics of those filing in the respective year are available.

Stratification Variables

Data for the Estate Study is collected through a stratified sample design; the basic nature of which has not changed since it was first implemented in 1982. The design has 3 stratification variables:

- Year of Death of decedent (YOD);
- Age at Death of decedent (AGE); and
- Total Gross Estate (TGE).

For the 1987 Estate Study, the YOD variable is separated into 2 categories: 1986 year of death and non-1986 year of death. The AGE and TGE variables are noted in Figure 1. The unbounded categories for the TGE variable and the category corresponding to the youngest age group are selected with certainty. In fact, in the 1987 study, 15 out of the 24 categories are selected with certainty.

The goals of the users of the estate data influenced the calculation of the sampling rates

Figure 1.--Stratification Categories for the 1987 Estate Study

AGE AT DEATH CATEGORIES

Under 40 years 40 under 50 years 50 under 65 years 65 years and older, or age unknown

TOTAL GROSS ESTATE CATEGORIES

\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 or more

for the non "take-all" categories. In particular, adjustments were made to account for the wealth estimates which are desired for the living population as opposed to the population filing estate tax returns. This was done by using an estimate of the living population when determining the strata allocation using the Neyman allocation scheme (Cochran, 1977). The significance of this adjustment is that the distribution over age of the estate population is heavily concentrated in older persons, while that of the living population has, necessarily, a higher proportion of younger persons.

Adjustment of Sample Weights Due to Misclassification

As mentioned earlier, the estate sample is selected during revenue processing. This means that the information coded for the initial revenue processing is the information which determines the assignment of a return to a stratum. When the returns selected for the study undergo a complete edit, misclassification errors sometimes appear. For the 1987 estate study, the misclassification rate in the selected returns was .016. These errors influence the calculation of sample weights in two ways:

- First, if an adjustment is made to the stratum assignment of a return, how should the corresponding population counts be adjusted?
- Second, how should the uncertainty in the distribution of the population over the different sampling categories be represented?

The first concern has been addressed for the 1987 estate study and the decisions are discussed below. The second concern will be researched at a later time and is not discussed further in this paper. (See Mulrow and Jones, 1989, for a discussion of similar misclassification errors in the SOI Corporation Study).

Since the assignment of a return to a stratum depends on the values of the TGE, AGE, and YOD variables, there are several factors which could contribute to its misclassification. For the 1987 study, there were 181 misclassified returns; 63 were due solely to an incorrect calculation of age at death, and 116 were due solely to adjustments in the calculation of the

total gross estate (total gross estate often increases during SOI editing as assets which were valued net of any related indebtedness are revalued at their gross value). No returns required both a change in age at death and total gross estate.

Of the 63 changes due to a miscalculation of the AGE variable, 42 were due to transcription errors during administrative processing which transformed decedents older than 100 into children. The most notable changes in TGE were 4 returns whose total gross estate changed from the lowest TGE category to the unbounded TGE category.

To determine if any adjustment was necessary to the misclassified returns, the effects of the misclassification on the desired estimates of total gross estate and other financial variables were considered. It was decided to adjust only the stratum assignment of those 4 returns which were initially assigned to the lowest total gross estate category, but should have been assigned to the highest TGE category. That is, the total gross estate changed from between \$500,000 under \$1,000,000 to over \$5,000,000.

The sample design is such that returns with total gross estate over \$5,000,000 are included with certainty. The above 4 sampled returns were sampled in a "take some" stratum that would be assigned a sample weight greater than one; however, such a weight assignment affects both population and financial estimates. The question becomes, how should the population counts be adjusted to account for the movement of the misclassified return?. There are two models which we considered:

- The misclassification is modeled as though the misclassified returns in the sample were the only misclassified returns in the population. (In this case the adjustments to the population are unweighted.)
- The misclassification is modeled to account for similar misclassification on unsampled returns. (In this case the population count adjustments correspond with the sampling weight of the misclassified return.)

To investigate which population adjustment to make, the distribution over age of the returns with total gross estate \$5,000,000 or more was considered. Distributional information from the 1982-1984 Estate Studies and that for the 1986 Estate Study was used for this investigation. The distribution over age implied under each of the aforementioned models was compared to that of data for prior years. These distributions are depicted in Figure 2 below. The approach taken was that an unweighted adjustment was presumed correct unless the evidence strongly favored a weighted adjustment. That is, we assumed no misclassification among the unsampled returns since this had the smallest variance impact, provided there was no strong evidence that bias would result. The data from 1987 under these different assumptions are denoted: 1987 Unweighted and 1987 Weighted in Figure 2.

This table shows that a weighted adjustment to the population counts leads to a much higher proportion of those age 65 and over than had

FIGURE 2. - - ESTIMATED PERCENT DISTRIBUTION OVER AGE FOR DECEDENTS WITH TOTAL GROSS ESTATE OVER \$5,000,000

	AGE AT DEATH								
FILING YEAR	under 40	40 under 50	50 under 65	over 65, unknown					
1982	.010	.035	.156	.799					
1983	.006	.034	.237	.723					
1984	.007	.021	.239	.733					
1986	.011	.033	.143	.813					
1987-unweighted	.003	.041	.137	.819					
1987-weighted	.002	.036	.118	.844					

been estimated for the previous years. Although such a distributional shift is not infeasible, population counts created using unweighted adjustment are more attuned to the counts from prior years. Thus we decided to use the unweighted adjustment for the population counts.

III. POST-STRATIFICATION

Selection of the estate sample is based on information captured during revenue processing of the return. Because these data are mainly accounting data, the sample selection has been somewhat limited by a lack of demographic data on the tax filers. As a result, it may be that the 3 stratifiers, (YOD, TGE, and AGE) may not provide for the most homogenous groupings of the estate population. Further, because distribution of estate tax filers continuously changing, particularly in light of recent tax law changes, the sample may not adequately represent all groups for which estimates are desired. Post-stratification was considered as a means of improving the overall estimates and of investigating the representation of selected groups in the population.

It was decided to limit this investigation to variables: tax status (taxable nontaxable), sex, and filing region (as an approximation of a decedent's state of residence). It was hoped that poststratification using one or more of these characteristics, within the framework of the original sample design, would make the estimates more precise. Data on the entire population were available at the end of the processing year. Population counts were obtained for each of the 3 variables under investigation from the Internal Revenue Service's Return Transaction File (RTF). These counts were used to calculate a post-stratified weight. Estimates were then generated for a number of different variables using both the sample and post-stratified weights.

Estimation Methodology

The sampling distribution conditional on the stratum sample sizes actually attained was chosen. The formulas used for estimating the mean and variance are as follows:

$$\hat{\bar{y}} - \sum_{n} \frac{N_n}{N} \bar{y}_n$$
;

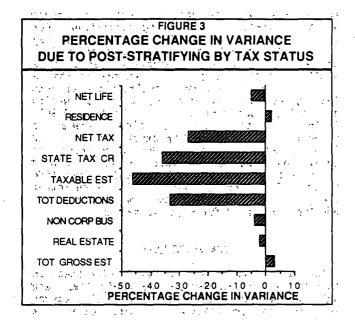
$$\begin{split} &V(\hat{\overline{y}}) = \frac{1}{N^2} \sum_h N_h \; \frac{(N_h - n_h)}{n_h} \; S_h^2 \; ; \\ &\hat{\overline{y}}_{ps} = \sum_{hm} \; \frac{N_{hm}}{N} \; \overline{y}_{hm} \; ; \; \text{ and} \\ &V(\hat{\overline{y}}_{ps}) = \frac{1}{N^2} \sum_{hm} N_{hm} \; \frac{(N_{hm} - n_{hm})}{n_{hm}} \; S_{hm}^2 \\ &h = 1, 2, ..., 24 \\ &m = 1, 2, ..., M. \end{split}$$

Here h represents the sampling strata and m represents the post-strata within sampling strata, M the total number of post-strata, is constant over h. The subscripted variables n, N, y, and s² refer in the traditional manner to the sample, population, calculated mean and variance for the stratum or post-stratum of interest. The overall estate nonulation is interest. The overall estate population is referred to by N. (Holt and Smith, 1979). The variance was used to compare the estimates. (Note: the population counts in the post-strata are assumed known, thus justifying the use of the variance as opposed to the mean squared error to compare the estimates. Only in the case where categorizing by sex is there cause for concern about bias caused by uncertainty of the population totals.)

Comparing the Different Weighting Strategies
The estimates of nine different financial variables from the estate tax file were compared using the different weighting strategies. The estimates derived from the original stratified design were used as a base for comparison. For each of the post-stratified variables considered, the percent change in variance with respect to the variance of the corresponding estimate using the original weight was calculated. The financial variables considered total gross estate, real estate, noncorporate business assets, total deductions, net taxable estate, state death tax credit, net tax due, value of personal residence and net value of life insurance. The results for each post-stratification variable considered detailed below.

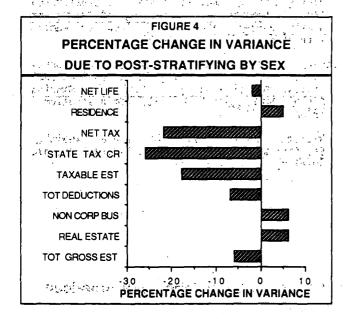
Tax Status

A variable, TAX, was assigned to each individual in both the sample and the population by looking at the variable, "net estate tax after credits." If this variable was greater than zero, then the return was classified taxable; otherwise it was considered nontaxable. Figure 3 shows the percent change in variance between estimates generated using the original weight and post-stratified weight based on the tax status. The variance of the estimates was reduced for seven of the nine variables examined. As one might expect, the greatest reductions in variance were attained for those variables relating to the computation of the estate tax. The variances of estimates relating to the calculation of gross estate and



its component assets were less affected by the post-stratified weight, actually increasing slightly in two cases.

Because there was no code for sex on the Return Transaction File, it was necessary to assign these codes manually to the whole population based on the decedent's first name. If the first name was not easily classifiable, as in the names "Terry" or "Lee," then a determination was made based on the frequency of appearance and sex assigned to that name on a listing of 1986 estate tax filers for which the sexes, were known with certainty. At the completion of this manual task, there were only .6% of the returns for which a SEX could not be determined. The number of unknown returns was later distributed across the SEX categories with



probability equal to the observed population proportion of males and females.

A comparison of the resulting sex codes with the sex codes present on the 1987 SOI sample (which had been assigned using the decedent's death certificate) revealed an effective misclassification rate (excluding unknowns) of .2%. This misclassification, as well as any bias introduced by using different methods to assign the sex to the sample and the population, are ignored here, but will be investigated in the future.

Post-stratifying by sex significantly reduced the variance of the estimates, although not as much as seen previously in the tax status case (see Figure 4). Again, the greatest improvements were achieved for the variables related to tax computation. The precision of estimates of total gross estate improved, while those of its components did not. This suggests that while the size of gross estate may be somewhat dependent on the sex of the decedent (it is, on average, larger for male decedents), its components are not.

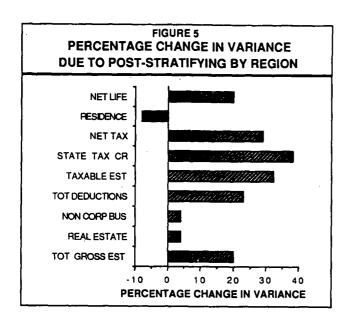
Region

A value for region was determined for the population based on the location of the 10 IRS Service Centers in which the returns were filed. Unfortunately, although most of the areas under the jurisdiction of a service center are geographically related, a few of them are responsible for geographically unrelated areas in an effort to distribute the volume of all returns more equally among the centers. Likewise, some of the regions cover a large geographic area which is relatively sparce in population, while others are responsible for smaller, more densely populated areas. Further, an examination of the sample data revealed that some of the sample sizes within region and original sample strata were quite small. In such cases, it was necessary to collapse poststrata across regions for weighting purposes. All of these factors probably contributed to the poor results obtained here.

Post-stratifying by region failed to achieve any reduction in the variation of the estimates over the sample weight for all but one variable, value of the personal residence (see Figure 5). In fact, using this weight increased the variance of one estimate by almost 30 percent.

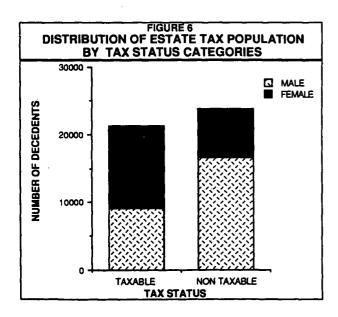
V. CONCLUSIONS/FUTURE RESEARCH

Overall, the greatest reductions in the variance of estimates created using post-stratified weights were achieved using tax status as the post-stratifying variable. While weights post-stratified by the decedent's sex did achieve notable results, the cost of obtaining the population counts and the associated uncertainty introduced by the process of determining the sex make it less desirable as a post-stratifying variable. It is also likely that the results obtained were due, in part, to the similarities of these groupings with those obtained when post-stratifying by tax status. Almost 2/3 of nontaxable decedents were male, while female decedents made up the majority of



taxable decedents (see Figure 6). This is probably due to the large number of married decedents, most of whom took advantage of a provision in the estate tax law which allows for an unlimited tax deduction for bequests to the surviving spouse, which is most often the female partner.

If the sole objective of the estate study were to calculate estimates concerning the estate tax return population, then adding tax status as a stratification variable would suffice. However,



the estate tax data are also used to compute wealth estimates of the living population. For this process, post-stratification by sex may prove doubly beneficial. An investigation into the effects of the post-stratified weights on wealth estimates is planned. It may be that a process using raking ratio estimation with both tax status and sex will be best for wealth estimation (Scheuren and Oh, 1978a, 1978b). Further investigation is also needed to determine if the existing strata for age and total gross estate still adequately group the population. It may be that inflation, higher stock and real estate prices, and longer life expectancies, coupled with filing requirement changes, will require the modification or addition of strata for these variables.

ACKNOWLEDGMENTS

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Selected Components of Estate Portfolios, 1916-1990

Introduced by Jeffrey P. Rosenfeld, Ph.D.

The tabulated data presented in this section, with the exception of table 1, were created using original SOI microdata files. Because of changes in the information reported on the Federal estate tax returns (Form 706) and changes in the data items included in SOI studies over time, some values may not be present in some years. Data items have been chosen which are as conceptually similar as possible, given the length of the time series presented and the magnitude of the changes in the estate tax law which occurred over the period. All data are presented as they were originally published (current dollars) and in constant 1987 dollars (based on the Implicit Price Deflator for Gross National Product). The following discussion is limited to constant dollar units because they permit more detailed comparisons across filing years.

Table 1 presents items of gross estate, deductions, tax credits, and net tax for selected years between 1916 and 1958 in current dollars. The data were taken from tables originally published in early SOI reports. The main function of this table is to remind the reader that SOI has collected and published Federal estate tax data regularly since the inception of the tax. More recently, SOI has taken a renewed interest in these historical returns through its Intergenerational Wealth Study. The purpose of this study is to capture microdata from estate tax returns filed since 1916 in a machine-readable format in order to study the effects of bequests on the wealth of future generations and the overall economy. So far, data have been collected from nearly all returns filed between 1916 and 1950. SOI plans to publish a book of tables, papers, and other detail of the estate tax produced from this database sometime in 1995.

Table 2 shows that the number of estate tax filers with total gross estate of at least \$600,000 in current 1987 dollars has steadily increased over the period 1963-1990. However, the percentage of estates valued at \$1 million or more for decedents filing Form 706 remained relatively constant, accounting for about 48 percent of the total estate tax returns filed. There is a steady increase in the value of taxable estates throughout this period. However, Table 2 shows that, between 1963 and 1990, tax dollars represent a steadily declining proportion of the taxable estate. This is due mainly to several important changes in the tax law, including the introduction of an unlimited marital deduction, creation of the unified estate and gift tax credit, and a reduction of the top estate tax rate.

Table 3 describes selected components of gross estate. Real estate and corporate stock comprise the two most significant components of gross estate in every filing year shown. The percentage of total assets held as real estate increased from almost 16 percent to almost 23 percent between 1963 and 1990, while the percent of total assets held as corporate stock fell from 52 percent to 31 percent. Bonds made up an increasingly large proportion of the estates of decedents with gross estates of \$600,000 or more (in constant 1987 dollars), rising from almost 10 percent to nearly 17 percent over the period, with much of that growth due to investments in tax-free state and local government bonds. The percentage held as cash also rose from just over 8 percent to about 12 percent, primarily due to the advent of money market mutual funds, counted here as 'Cash.' The mutual funds combine the liquidity of checking accounts with the higher returns of market investments and have become extremely popular.

Table 4 gives state-by-state statistics on decedents filing Form 706 in selected filing years, 1963-1990. It should be noted that statistical samples drawn for SOI studies of Form 706 do not use "State of Residence" as a selection criteria and, therefore, estimates for individual states can be subject to considerable sampling variance from year to year. The data show that some states, notably Florida, Texas, and California, more than doubled the number of decedents filing Form 706; the amount of wealth in decedents' estates also doubled over the period. Other states showed little or no increase in either the number of decedents for whom a Form 706 was filed or the value of the decedents' estates. Most significant in this group were New York and Illinois, where the number of decedents and total value of their gross estates (expressed in constant 1987 dollars) are not much different for 1963 and 1990.

Table 5 provides regional comparisons of total gross estate and shows the steady shift in wealth and population to Sunbelt states.

Table 1.--Estate Tax Returns for Selected Years: Gross Estate by Type of Property, Deductions, Tax Credits, and Tax Liability

(Money amounts are in thousands of dollars)

item	Years							
	1916-21	1926	1936	1946	1958			
Number of returns	42,230	9,353	15,037	20,899	55,685			
Gross estate, total	8,785,642	3,099,796	2,767,739	4,224,210	11,648,017			
Real estate	-	573,454	445,059	763,631	2,509,159			
Federal Government bonds		116,918	143,588	378,936	553,896			
State and municipal bonds		116,969	168,154	164,925	351,616			
Other bonds	_ 3	230,897	195,820	111,184	109,614			
Corporate stock		1,223,992	1,165,585	1,621,747	4,984,850			
Cash		(1)	(י)	439,812	1,152,029			
Mortgages and notes		357,271	396,790	- 137,307	414,904			
Taxable insurance	7 4.	42,455	73,316	289,003	651,876			
Interest in unincorporated business	. <u></u>	-	<u> </u>	149,571				
Other	-	437,840	179,427	168,094	920,073			
Total deductions	3,476,983	1,443,542	2,215,858	1,941,919	7,291,220			
Funeral and administration expenses	1,033,408	129,579	137,760	193,836	497,407			
Debts and mortgages	•••	310,596	410,966	231,544	604,739			
Support of dependents		'.] ·	24,359	2,176,137			
Net losses during administration	· · · ·		<u></u>	263	1,762			
Charitable bequests	264,492	130,975	126,571	185,627	668,900			
Property previously taxed	67,583	73,482	37,411	54,280				
Specific exemptions	2,111,500	798,910	1,503,150	1,252,010	3,341,100			
Other deductions				·	1,175			
Disallowed deductions			<u></u>	2.972	6,193			
Allowable deductions	3,476,983	1,443,542	2,215,858	1,938,947	7,285,027			
Total tax before credits		100,531	· · · ·	693,590	1,346,297			
Fotal tax credits		59,600		71,623	160,677			
Fotal liability	351,138	40,931	305,784	621,967	1,185,620			

¹ Cash and mortgages are combined.

Table 2A.—Gross Estate, Allowable Deductions, Taxable Estate, and Net Tax in Current Dollars

(Money amounts are in thousands)

Filing	Size of	Total gro	oss estate	Allowable	deductions	Taxabl	e estate	Estat	te tax
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1963	Total	78,393	17,007,239,270	78,393	10,330,054	55,207	7,070,827	54,966	1,840,972
	Under 1 million	76,624	12,752,479,737	76,624	8,663,452	53,482	4,481,053	53,241	946,331
	1 under 5 million	1,635	3,004,563,103	1,635	1,123,013	1,592	1,883,107	1,592	578,952
	5 million or more	134	1,250,196,430	134	543,590	133	706,667	133	315,68
1966	Total	97,321	21,810,403,791	97,321	12,658,063	67,709	9,152,340	67,386	2,412,19
	Under 1 million	94,919	15,927,072,395	94,919	10,298,316	65,345	5,628,756	65,026	1,195,88
	1 under 5 million	2,220	4,027,753,793	2,220	1,492,967	2,183	2,534,787	2,179	775,71
	5 million or more	182	1,855,577,603	182	866,781	181	988,797	181	440,59
1970	Total	133,348	29,537,830,160	133,348	18,580,999	93,190	11,610,131	77,558	2,981,64
	Under 1 million	130,518	21,767,992,160	130,518	14,906,463	90,413	7,513,217	74,789	1,572,26
	1 under 5 million	2,595	4,731,270,000	2,595	1,827,462	2,543	2,905,381	2,538	883,64
	5 million or more	235	3,038,568,000	235	1,847,074	234	1,191,533	231	525,73
1973	Total	175,289	38,677,415,305	175,289	23,830,968	121,351	15,710,322	120,851	4,110,50
	Under 1 million	171,265	28,460,249,072	171,265	19,464,705	117,415	9,856,124	116,920	2,070,99
	1 under 5 million	3,708	6,759,141,544	3,708	2,620,697	3,628	4,141,434	3,623	1,261,08
	5 million or more	316	3,458,024,689	316	1,745,565	308	1,712,764	308	778,43
1977	Total	200,732	48,198,806,515	200,717	28,063,856	148,178	20,902,824	139,103	4,978,75
	Under 1 million	196,208	36,195,484,844	196,193	22,473,531	143,738	14,486,691	134,683	2,764,30
	1 under 5 million	4,209	7,485,288,942	4,209	2,846,710	4,135	4,641,260	4,117	1,404,68
	5 million or more	315	4,518,032,729	315	2,743,614	305	1,774,873	303	809,76
1983¹	Total	56,518	44,651,850,718	56,463	21,832,670	49,554	22,972,768	30,963	4,487,30
	Under 1 million	48,443	23,662,393,893	48,394	10,229,718	42,047	13,533,952	25,399	1,556,67
	1 under 5 million	7,470	13,314,504,771	7,464	6,586,239	6,927	6,771,599	5,064	1,788,96
	5 million or more	605	7,674,952,054	605	5,016,714	580	2,667,217	500	1,141,67
1987	Total	45,113	66,564,119,602	45,084	30,873,408	40,874	35,913,662	21,335	6,357,98
	Under 1 million	27,694	19,420,107,888	27,669	6,284,044	24,691	13,208,260	11,624	595,75
	1 under 5 million	15,935	29,165,353,352	15,930	13,729,345	14,742	15,583,479	8,699	3,120,25
	5 million or more	1,484	17,978,658,361	1,484	10,860,019	1,441	7,121,923	1,011	2,641,97
1990	Total	53,168	88,146,915,536	53,010	39,327,869	48,948	49,713,817	23,216	9,005,47
	Under 1 million	29,081	21,596,048,873	28,930	6,383,736	26,534	15,246,735	9,862	409,29
	1 under 5 million	22,078	39,766,990,125	22,073	18,158,061	20,463	22,449,835	11,948	4,033,60
	5 million or more	2,009	26,783,876,539	2,008	14.786.072	1,952	12.017.248	1,405	4,562,57

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

Table 2B.—Gross Estate, Allowable Deductions, Taxable Estate, and Net Tax for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars

(Money amounts are in thousands)

Filing	Size of	Total gro	oss estate	Allowable	deductions	Taxabl	e estate	Esta	te tax
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1963	Total	28,446	49,371,101	28,446	23,843,280	27,290	25,657,540	27,200	7,081,668
	Under 1 million	14,551	11,083,068	14,551	7,233,830	13,730	3,924,677	13,669	730,744
	1 under 5 million	12,600	23,264,589	12,600	10,680,655	12,297	12,633,422	12,268	3,115,046
	5 million or more	1,295	15,023,445	1,295	5,928,794	1,263	9,099,442	1,263	3,235,877
1966	Total	32,996	59,078,199	32,996	28,028,435	31,785	31,049,763	31,671	8,689,819
	Under 1 million	16,593	12,626,670	16,593	7,953,587	15,787	4,673,082	15,706	891,078
	1 under 5 million	14,841	27,742,358	14,841	12,451,685	14,455	15,290,673	14,425	3,820,761
	5 million or more	1,562	18,709,172	1,562	7,623,163	1,543	11,086,009	1,540	3,977,980
1970	Total	. 36,343	63,884,340	36,343 .	31,743,457	35,166	32,245,602	34,667	9,007,995
	Under 1 million	18,885	14,338,067	18,885	8,552,344	18,166	5,841,748	17,770	1,178,994
	1 under 5 million	15,982	29,358,536	15,982	13,174,218	15,552	16,230,312	15,454	4,105,594
	5 million or more	1,476	20,187,736	1,476	10,016,895	1,448	10,173,542	1,443	3,723,407
1973	Total	37,266	64,055,986	37,266	29,515,085	36,043	34,640,247	35,974	10,035,582
•	Under 1 million	19,610	14,822,268	19,610	8,181,933	18,811	6,699,571	18,771	1,445,909
	1 under 5 million	16,050	29,781,267	16,050	12,710,239	15,661	17,107,420	15,635	4,454,211
	5 million or more	1,606	19,452,451	1,606	8,622,912	1,570	10,833,256	1,568	4,135,462
1977	Total -	32,994	52,449,189	32,987	23,655,541	32,359	28,832,310	31,267	8,227,247
	Under 1 million	18,506	14,051,521	18,500	6,565,261	18,134	7,505,133	17,152	1,632,145
	1 under 5 million	13,431	23,991,484	13,430	9,423,043	13,191	14,585,678	13,084	3,891,407
	5 million or more	1,058	14,406,185	1,058	7,667,236	1,034	6,741,500	1,030	2,703,695
1983¹	Total	28,452	44,390,833	28,419	22,614,493	25,679	21,928,860	17,576	5,284,089
	Under 1 million	15,693	11,957,483	15,673	5,289,181	13,898	6,739,001	9,009	928,604
	1 under 5 million	11,840	20,690,910	11,827	9,853,553	10,896	10,903,853	7,803	2,592,910
duberrarialistici debidaban arandaban dub	5 million or more	919	11,742,440	919	7,471,759	884	4,286,006	764	1,762,576
1987	Total	42,274	72,716,133	42,270	34,070,006	38,496	38,892,331	21,292	7,098,638
	Under 1 million	21,721	16,750,188	21,721	5,296,322	19,499	11,520,315	9,999	479,780
	1 under 5 million	18,731	34,089,767	18,726	15,677,122	17,228	18,588,600	10,047	3,405,617
disabilisassassassassassassassassassassassassas	5 million or more	1,822	21,876,179	1,822	13,096,562	1,769	8,783,416	1,247	3,213,241
1990	Total	49,850	86,229,543	49,816	. 39,003,981	45,914	48,149,829	23,102	8,978,708
	Under 1 million	25,933	19,828,961	25,905	6,010,767	23,654	13,849,492	9,777	406,833
	1 under 5 million	21,902	39,533,103	21,897	18,103,150	20,300	22,303,459	11,913	4,021,734
1	5 million or more	2,015	26,867,480	2,014	14,890,064	1,960	11,996,878	1,412	4,550,141

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

Table 3A.—Gross Estate and Selected Components, by Size of Gross Estate in Current Dollars

Filing	Size of	Total gro	ss estate	Real	estate	Corporate stock		State and local bonds	
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amoun
1963	Total	78,393	17,007,239	62.498	3,395,988	63,342	7,712,483	(²)	(
1000	Under 1 million	76,624	12,752,480	61,102	3,058,532	61,605	4,956,774	(²)	l e
	1 under 5 million	1,635	3,004,563	1,281	282,848	1,603	1,885,798	(²)	(
	5 million or more	134	1,250,196	115	54,608	134	869,910	(²)	(
1966	кониционення политический поли	97,321	21,810,404	76,297	4,271,331	75,790	9,107,006	6,361	514,27
	Under 1 million	94,919	15,927,072	74,439	3,752,155	73,516	5,677,469	5,176	157,97
	1 under 5 million	2,220	4,027,754	1,707	377,210	2,098	2,290,490	1,064	223,47
	5 million or more	182	1,855,578	151	141,966	176	1,139,047	121	132,83
1970	Total	133,348	29.537.830	102,594	6,041,459	93,305	10,455,512	7,778	560,39
	Under 1 million	130,518	21,767,992	100,409	5,312,845	90,669	6,581,187	6,440	200,10
	1 under 5 million	2,595	4,731,270	1,983	520,290	2,407	2,453,004	1,192	226,87
	5 million or more	235	3,038,568	202	208,324	229	1,421,321	146	133,41
1973	Total	175,289	38,677,415	136,574	8,758,870	121,352	12,146,273	10,069	831,00
	Under 1 million	171,265	28,460,249	133,378	7,506,210	117,655	7,149,557	8,246	292,99
	1 under 5 million	3,708	6,759,142	2,940	890,586	3,399	3,160,513	1,635	373,73
	5 million or more	316	3,458,025	256	362,075	298	1,836,202	188	164,27
1977	Total	200,732	48,198,807	162,637	13,402,444	133,008	13,951,033	14,476	1,402,28
	Under 1 million	196,208	36,195,485	158,915	11,675,812	128,658	7,625,452	12,034	485,11
	1 under 5 million	4,209	7,485,289	3,452	1,406,070	4,038	3,345,932	2,233	615,55
	5 million or more	315	4,518,033	270	320,563	312	2,979,650	209	301,6
1983¹	Total	56,518	44,651,851	40,321	11,047,334	38,695	12,262,434	13,561	2,207,57
1303	Under 1 million	48,443	23,662,394	33,248	6,595,066	31,140	4,268,036	9,447	600,0
	1 under 5 million	7,470	13,314,505	6,527	3,466,682	6,967	4,513,048	3,721	916,43
	5 million or more	605	7,674,952	545	985,585	588	3,481,351	393	691,0
1987	Total	45,113	66,564,120	37,484	14,366,419	37,893	22,917,170	20,980	6,587,1
1007	Under 1 million	27,694	19,420,108	22,473	5,062,454	22,296	4,957,674	10,417	1,243,7
	1 under 5 million	15,935	29,165,353	13,682	6,537,525	14,176	9,831,676	9,513	3,270,5
	5 million or more	1,484	17,978,658	1,330	2,766,440	1,421	8,127,820	1,051	2,072,9
1990	Total	53,168	88,146,916	45,003	20,204,782	44,178	27,196,790	27,914	9,790,1
	Under 1 million	29,081	21,596,049	24,162	6,247,335	22,876	4,321,249	12,779	1,802,8
	1 under 5 million	22,078	39,766,990	19,022	9,686,743	19,385	11,518,331	13,619	4,846,8
	5 million or more	2,009	26,783,877	1,819	4,270,704	1,917	11,357,210	1,517	3,140,4

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3A.—Gross Estate and Selected Components, by Size of Gross Estate in Current Dollars —Continued

(Money amounts are in thousands)

Filing	Size of	Federal savings bonds		Other Fe	deral bonds	Corporate & foreign bonds		Total bonds	
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amoun
1963	Total	(²)	(²)	(2)	(2)	(²)	(2)	44,001	1,473,52
•	Under 1 million .	(²)	(²)	(2)	(²)	, (2)	(²)	42,508	885,03
•	1 under 5 million .	(²)	(2)	(²)	(²)	(2)	(2)	1,373	381,74
	. 5 million or more	(²)	(²)	(²)	(²)	(2)	(²)	120	206,75
1966	Total	34,079	443,963	. 10,448	388,797	15,158	138,595	48,497	1,485,63
	Under 1 million	33,405	420,904	9,537	197,538	14,225	107,322	46,639	883,74
	1 under 5 million	636	20,882	827	121,160	851	23,671	1,698	389,18
	5 million or more	38	2,177	. 84	70,099	82	7,602	160	212,70
1970	Total	34,764	547,215	14,727	746,198	, 20,257	. 299,195	57 000	. 0 450 00
	Under 1 million	34,123	523,057	13,533	393,773	19,120	233,319	57,238. 55,075	2,153,00 1,350,25
	1 under 5 million	600	23,037	1,069	211,415	1,022	50,132	1,960	
	5 million or more	41	1,121	125	141,010	115	1		511,45
					141,010	113	15,744	. , 203	291,29
1973	Total	49,376	662,088	15,414	966,152	34,190	586,338	81,727	3,045;57
	Under 1 million	48,498	633,049	13,894	443,655	32,468	485,222	78,696	1,854,92
*** C	1 under 5 million	821	25,702	1,372	319,099	1,580	71,330	2,759	789,86
	5 million or more	. 57	3,337	148	203,398	142	29,785	272	400,79
1977	Total	53,238	940,885	20,949	1,490,299	41,106	819,888	93,433	4,653,36
200	Under 1 million	51,972	747,779	18,874	758,412	39,056	678,017	. 89,753	2,669,32
	# 1 under 5 million	1,191	138,529	1,903	462,002	1,898	108,041	3,402	1,324,12
	5 million or more	. 75	54,576	. 172	269,885	152	33,830	278	659,91
19831	Total	7,919	315,818	9,886	1,516,158	11,997	428,046	26,620	4,467,59
	Under 1 million	6,510	242,746	7,424	619,983	9,233	242,642	20,865	1,705,42
	1 under 5 million	1,330	58,778	2,216	517,643	2,553	134,534	5,268	1,627,39
	5 million or more	78	14,294	246	378,532	211	50,870	487	1,134,776
1987	Total	6,820	-308,356	11,973	2,199,353	12,053	- 690,125		0.704.00
•	Under 1 million	4,760	197,856	7.146	798,091	7,115	289,661	30,531	9,784,98
ರಿ ೯೯೯ ನಾನಕು	1 under 5 million	1,924	97,777	4,339	836,835	4,453	278,921	17,652	2,529,312
	5 million or more	135	12,724	488	564,428	4,455	121,543	11,677 1,201	4,484,049 2,771,624
				- stranski propinski propinski			NACONTRACTOR OF THE PROPERTY O	,1,201 ,	2,111,02
1990	Total	8,476	413,268	17,128	3,356,587	17,259	946,134	38,358	14,506,176
المهجر أنجا	Under 1 million	5,047	231,986	8,983	890,392	8,813	319,792	19,749	3,245,036
	1 under 5 million	3,219	161,890	7,287	1,370,754	7,656	382,294	, 16,895	6,761,805
	5 million or more	211	, 19,391	. 858	1,095,441	790	244,048	1,714	4,499,335

The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3A.—Gross Estate and Selected Components, by Size of Gross Estate in Current Dollars --Continued

Filing	Size of	Ca	sh	Mortgage	es & notes	Life ins	urance	Farm & nonc	orp busines
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amoun
1963	Total	76,301	1,838,269	25,544	629,157	45,249	928,947	(²)	(1
	Under 1 million	74,537	1,642,646	24,804	539,752	44,228	854,441	(²)	(
	1 under 5 million	1,630	156,825	677	66,651	950	65,149	(²)	(
	5 million or more	134	38,798	63	22,754	71	9,357	(²)	(
1966	Total	94,508	2,604,512	30,715	718,812	55,257	1,092,202	23,531	549,00
	Under 1 million	92,124	2,304,515	29,663	615,935	53,966	1,012,723	22,828	447,53
	1 under 5 million	2,203	231,053	968	88,525	1,215	68,561	643	78,98
	5 million or more	181	68,944	84	14,353	76	10,918	60	22,47
1970	Total	125,551	4.244.355	38,760	1,048,829	75,885	1,573,905	25,373	821,97
1070	Under 1 million	122,755	3,860,408	37,448	901,587	74,296	1,471,612	24,519	593,94
	1 under 5 million	2,561	296,282	1,188	113,494	1,459	83,943	749	130,82
	5 million or more	235	87,665	124	33,748	130	18,350	105	97,19
1973	Total	169.785	6,056,351	48,958	1,415,812	103,901	2,188,236	28,895	886,89
1070	Under 1 million	165,806	5,559,978	47,031	1,176,113	101,632	2,036,265	27,782	627,77
	1 under 5 million	3,664	405,939	1,751	195,106	2,091	131,529	1,000	172,7
	5 million or more	315	90,434	176	44,593	178	20,442	113	86,40
1977	Total	196,171	8,816,248	51,976	1,823,866	124,659	2,712,657	26,203	1,047,02
	Under 1 million	191,676	8,093,264	49,724	1,455,616	122,081	2,535,413	24,840	689,08
	1 under 5 million	4,180	585,003	2,073	243,360	2,404	153,465	1,242	228,24
	5 million or more	315	137,981	179	124,890	174	23,779	121	129,69
1983¹	Total	46,329	5,521,620	18,496	1,769,766	33,992	1,892,965	13,965	1,709,6
1303	Under 1 million	38,309	3,758,867	14,378	862,191	29,099	1,382,257	10,674	611,4
	1 under 5 million	7,417	1,344,376	3,736	655,908	4,530	436,437	2,964	526,3
	5 million or more	603	418,377	382	251,666	363	74,272	326	571,8
1987	Total	44,376	7.809.879	14,226	1,976,191	24,716	2,031,574	12,048	3,109,0
.00.	Under 1 million	27,229	3,701,993	7,686	575,688	14,945	833,949	5,975	446,0
	1 under 5 million	15,676	3,176,222	5,844	925,503	8,931	1,025,259	5,283	1,111,0
	5 million or more	1,471	931,664	696	475,000	840	172,367	791	1,551,9
1990	Total	52,546	11,033,317	15,589	2,276,228	28,516	2,772,543	16,582	3,590,0
	Under 1 million	28,748	4,417,721	7,293	553,463	15,118	867,850	7,297	469,4
	1 under 5 million	21,800	4,826,277	7,303	1,042,524	12,234	1,573,627	8,104	1,473,6
	5 million or more	1,998	1,789,319	992	680,241	1,163	331,066	1,181	1,646,9

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3A.—Gross Estate and Selected Components, by Size of Gross Estate in Current Dollars —Continued

Filing	Size of	Ann	ulties	Other	assets	Total lifetii	ne transfers
year	gross estate	Number	Amount	Number	Amount	Number	Amoun
1963	Total	8,219	81,339	68,264	947,528	(²)	(
e	Under 1 million	7,980	70,478	66,540	744,824	(2)	ì
	1 under 5 million	214	8,469	1,591	157,082	(2)	1 6
	5 million or more	25	2,393	133	45,622	(²)	6
1966	Total	8,073	94.640	80,939	344,335	6.077	198,41
	Under 1 million	7,828	85,994	78,642	268,228	5,912	159,13
	1 under 5 million	228	7,977	2,119	46,577	151	17,49
	5 million or more	17	669	178	29,530	14	21,79
1970	Total	8.550	113,939	93,180	847,459	15,444	2,246,97
	Under 1 million	8,310	103,921	90,517	622,064	14,785	979,64
1	1 under 5 million	218	7,865	2,432	130,354	599	483.83
	5 million or more	22	2,153	231	95,041	60	783,49
1973	Total	. 14,203	197,884	151,316	1,320,544	20,803	2,718,71
	Under 1 million	13,807	174,421	147,406	1,013,773	19,700	1,408,489
	1 under 5 million	361	21,792	3,599	239,370	997	760,44
	5 million or more	35	1,670	311	67,402	106	549,77
1977	Total	17,533	254,688	173,542	1,727,508	25,321	3,234,132
	Under 1 million	17,099	226,418	169,171	1,266,047	24,108	1,959,152
	1 under 5 million	403	25,038	4,060	271,941	1,113	856,892
,	5 million or more	, 31	3,232	311	189,519	100 ,	. 418,089
19831	Total	6,904	409,408	43,364	2,232,182	7,520	3,939,029
	Under 1 million	5,657	272,848	35,747	867,352	5,459	1,415,452
	1 under 5 million	1,161	121,058	7,022	623,267	1,837	1,401,414
	5 million or more	86	15,502	594	741,563	224	1,122,163
1987	Total	12,078	1,513,395	41,412	3,055,498	8,889	9,752,348
ľ	Under 1 million	6,723	505,868	25,100	807,166	4,486	1,805,175
	1 under 5 million	4,918	835,969	14,875	1,238,103	3,851	4,253,811
	5 million or more	437	171,558	1,437	1,010,229	551	3,693,361
1990	Total	17,656	2,685,429	47,957	3,881,593	11,998	14,868,376
[Under 1 million	8,924	774,582	25,465	699,341	5,543	2,600,934
	1 under 5 million	7,980	1,559,104	20,540	1,324,955	5,613	5,954,000
·	5 million or more	751	351,744	1,952	1,857,297	842	6,313,442

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3B.—Gross Estate and Selected Components, by Size of Gross Estate for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars

Filing	Size of	Total gro	ss estate	Real	estate	Corpor	ate stock	State and	local bonds
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1963	Total	28,446	49,371,101	22,688	7,727,190	25,922	25,861,630	(²)	(2
	Under 1 million	14,551	11,083,068	11,710	2,713,747	12,790	4,149,871	(²)	(*
	1 under 5 million	12,600	23,264,589	9,943	3,889,550	11,860	11,911,483	(²)	(*
	5 million or more	1,295	15,023,445	1,035	1,123,893	1,272	9,800,275	(2)	(
1966	Total	32,996	59,078,199	26,061	9,122,943	29,342	28,757,362	4,994	1,900,16
	Under 1 million	16,593	12,626,670	13,300	3,040,706	14,249	4,405,082	1,019	58,61
	1 under 5 million	14,841	27,742,358	11,555	4,527,436	13,613	13,329,445	3,152	655,35
	5 million or more	1,562	18,709,172	1,206	1,554,801	1,480	11,022,835	823	1,186,19
1970	Total	36,343	63,884,340	28,294	10,162,293	31,062	27,288,337	5,942	1,780,25
10.0	Under 1 million	18,885	14,338,067	14,838	3,447,275	15,482	4,508,684	1,485	91,28
	1 under 5 million	15,982	29,358,536	12,307	5,005,135	14,197	12,724,389	3,696	728,21
	5 million or more	1,476	20,187,736	1,149	1,709,883	1,383	10,055,264	760	960,74
1973	Total	37,266	64.055,986	29,305	11,248,815	32,026	25,891,613	6,716	2,163,15
	Under 1 million	19,610	14,822,268	15,562	3,699,241	16,310	4,125,499	1,796	150,43
	1 under 5 million	16,050	29,781,267	12,454	5,428,823	14,218	11,826,693	4,067	956,04
	5 million or more	1,606	19,452,451	1,289	2,120,750	1,497	9,939,421	853	1,056,67
1977	Total	32,994	52,449,189	27,323	11,566,229	28,986	21,324,116	8,274	2,653,64
	Under 1 million	18,506	14,051,521	15,307	4,347,803	15,614	3,768,463	2,730	210,96
	1 under 5 million	13,431	23,991,484	11,110	5,732,167	12,335	8,966,341	4,884	1,337,88
	5 million or more	1,058	14,406,185	907	1,486,259	1,037	8,589,311	660	1,104,79
1983 ¹	Total	28,452	44,390,833	24,148	11,188,085	23,938	14,250,899	9,902	2,673,85
	Under 1 million	15,693	11,957,483	12,899	3,843,018	12,219	2,477,655	4,001	366,02
	1 under 5 million	11,840	20,690,910	10,412	5,798,732	10,825	6,336,579	5,274	1,254,75
	5 million or more	919	11,742,440	837	1,546,334	894	5,436,665	628	1,053,07
1987	Total	42,274	72,716,133	35,188	15,619,168	35,658	25,194,930	20,273	7,304,7
•	Under 1 million	21,721	16,750,188	17,530	4,319,374	17,386	4,233,744	8,323	1,103,63
	1 under 5 million	18,731	34,089,767	16,007	7,712,137	16,560	11,267,957	10,652	3,679,27
	5 million or more	1,822	21,876,179	1,651	3,587,657	1,712	9,693,229	1,298	2,521,80
1990	Total	49.850	86,229,543	42,296	19,612,635	41,791	26,867,639	26,746	9,648,30
	Under 1 million	25,933	19,828,961	21,593	5,671,219	20,590	4,025,242	11,744	1,703,6
	1 under 5 million	21,902	39,533,103	18,877	9,622,531	19,288	11,479,568	13,498	4,823,58
	5 million or more	2,015	26,867,480	1,827	4,318,885	1,913	11,362,830	1,504	3,121,10

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3B.—Gross Estate and Selected Components, by Size of Gross Estate for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars—Continued

Filing	Size of	Federal sa	vings bonds	Other Fe	deral bonds	Corporate &	foreign bonds	Total	bonds
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1963	Total	(²)	(²)	(²)	(2)	(²)	(²)	18,557	4,769,883
	Under 1 million	(²)	(²)	(²)	(²)	(²)	(²)	8,519	677,38
	1 under 5 million	(²)	(2)	(²)	(²)	(²) _,	(2)	8,942	1,953,81
	5 million or more	(²)	(²)	(2)	(²)	(²)	(²)	1,096	2,138,68
1966	Total	. 11,337-	787,253	6,291	1,318,770	8,142	408,429	19,419	4,414,62
	Under 1 million	5,909	328,915	2,153	132,177	3,154	87,173	8,684	606,87
	1 under 5 million	5,002	396,483	3,512	551,125	4,380	231,008	9,504	1,833,97
•	5 million or more	426	61,856	626	635,468	608	90,248	1,231	1,973,77
1970	Total	9,340	735,323	8,080	2,115,386	9,865	680,000	20,629	5,310,95
	Under 1 million	4,968	328,820	2,982	257,109	4,086	156,132	9,344	833,34
	1 under 5 million	4,072	361,818	4,430	923,490	5,155	359,907	10,119	2,373,43
	5 million or more	300	44,685	668	934,786	624	163,960	1,167	2,104,18
1973	Total	10,108	635,626	7.819	2,308,037	12.793	981,146	22,875	6,087,96
	Under 1 million	5,684	303,686	3,012	265,241	5,858	308,645	11,008	1,028,00
•	1 under 5 million	4,110	299,181	4,123	965,155	6,231	505,378	10,591	2,725,75
	5 million or more	314	32,759	684	1,077,641	704	167,124	1,276	2,334,19
1977	Total	8,992	852,401	9,018	2,478,358	12,389	890,052	21,754	6,874,457
	Under 1 million	4,980	228,802	3,846	402,272	6,315	305,748	11,126	1,147,79
	1 under 5 million	3,738	411,810	4,632	1,179,558	5,582	459,669	9,718	3,388,91
	5 million or more	274	211,788	540	896,529	492	124,634	910	2,337,75
1983¹	Total	4,765	296,959	6,290	1,646,474	7,799	429,727	16,802	5.047.01
	Under 1 million	2,616	170,096	2,880	331,340	3,435	122,145	8,225	989,600
200	1 under 5 million	1,951	105,956	3,084	782,762	4,083	229,108	7,821	2,372,584
	5 million or more	198	20,907	327	532,372	282	78,474	755	1,684,82
1987	Total	6,327	327,213	11,319	2,381,967	11,441	741,744	28,891	10,755,642
٠ ٧	Under 1 million	3,828	154,881	5,636	665,121	5,644	262,543	13,859	2,186,18
	1 under 5 million	2,344	157,384	5,136	1,062,952	5,240	331,551	13,562	5,231,159
٠.	5 million or more	154	14,948	546	653,894	557	147,650	1,471	3,338,299
1990	Total	8,055	386,616	16,164	3,278,020	16,491	912,127	36,436	14,225,066
	Under 1 million	4,662	205,499	8,108	823,168	8,106	289,902	17,994	3,022,179
	1 under 5 million	3,185	161,890	7,196	1,358,766	7,599	378,042	16,731	6,722,287
	5 million or more	208	, 19,227	861	1,096,086	786	244,183	1,711	4,480,600

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3B.-Gross Estate and Selected Components, by Size of Gross Estate for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars--Continued

Filing	Size of	C	ash	Mortgage	es & notes	Life ins	surance	Farm & none	corp busine
year	gross estate	Number	Amount	Number	Amount	Number	Amount	Number	Amoun
1963	Total	27,999	4,141,335	10,981	1,640,894	17,386	2,272,594	(²)	} (
	Under 1 million	14,241	1,407,323	5,334	510,984	8,913	887,930	(²)	l (
	1 under 5 million	12,465	2,077,777	5,097	820,656	7,730	1,146,013	(²)	(
	5 million or more	1,293	656,235	550	309,254	743	238,650	(2)	ł '
1966	Total	32,434	5,337,200	12,773	1,726,236	19,295	2,303,098	9,270	1,460,92
	Under 1 million	16,265	1,787,053	6,007	505,212	9,889	944,745	4,619	416,5
	1 under 5 million	14,619	2,645,007	6,071	912,187	8,565	1,136,126	4,193	728,86
	5 million or more	1,550	905,140	695	308,837	841	222,226	458	315,5
1970	Total	35,116	6,400,503	14,177	2,013,908	21,259	2,434,005	9,382	1,961,18
	Under 1 million	18,049	2,335,276	6,835	644,023	11,211	1,036,988	4,563	451,0
	1 under 5 million	15,605	3,227,434	6,649	1,049,153	9,213	1,179,269	4,345	916,50
	5 million or more	1,462	837,793	693	320,732	835	217,748	473	593,6
1973	Total	36,603	6,327,998	15,354	2,167,897	21,874	2,359,698	8,865	1,679,4
	Under 1 million	19,214	2,518,426	7,647	685,157	11,678	1,010,276	4,450	379,1
	1 under 5 million	15,797	3,079,686	6,906	1,074,788	9,291	1,143,768	3,924	812,5
	5 million or more	1,592	729,887	801	407,952	905	205,654	491	487,6
1977	Total	32,627	5,840,838	13,606	1,979,883	19,526	1,675,987	8,143	1,474,5
	Under 1 million	18,261	2,514,401	7,005	636,826	11,066	761,443	4,160	339,5
	1 under 5 million	13,312	2,729,960	6,010	937,103	7,854	789,702	3,593	692,8
	5 million or more	1,054	596,476	591	405,954	606	124,842	390	442,1
1983¹	Total	27,290	5,060,260	12,320	1,913,779	17,060	1,565,750	9,389	1,986,79
	Under 1 million	14,616	2,016,686	6,010	476,067	9,365	668,350	4,261	354,9
	1 under 5 million	11,758	2,383,380	5,717	1,059,933	7,116	765,161	4,695	815,7
	5 million or more	916	660,195	593	377,778	578	132,239	433	816,0
1987	Total	41,579	8,331,349	13,449	2,157,023	23,076	2,218,178	11,485	3,448,2
	Under 1 million	21,349	3,224,881	6,037	490,655	11,607	729,728	4,824	399,9
	1 under 5 million	18,425	3,941,692	6,585	1,086,956	10,417	1,251,212	5,749	1,194,4
	5 million or more	1,806	1,164,776	827	579,412	1,052	237,238	912	1,853,8
1990	Total	49,269	10,575,695	14,641	2,225,411	26,769	2,718,690	15,598	3,555,4
	Under 1 million	25,629	3,996,336	6,428	508,028	13,478	811,463	6,392	421,6
	1 under 5 million	21,635	4,782,259	7,216	1,025,724	12,115	1,570,981	8,011	1,470,94
	5 million or more	2,005	1,797,100	998	691,659	1,176	336,245	1,195	1,662,9

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 3B.—Gross Estate and Selected Components, by Size of Gross Estate for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars—Continued (Money amounts are in thousands)

Filing	Size of	Anr	ulties	Other	assets	Total lifetin	ne transfers
year	gross estate	Number	Amount	Number	Amount	Number	Amour
1963	Total	3,274	200,622	26,295	2,756,952	. (²)	
	Under 1 million	1,603	66,202	13,140	669,623	(2)	
	1 under 5 million	1,501	98,031	11,885	1,367,262	(2)	· .
	5 million or more	170	36,389	1,270	720,068	(²)	
1966	Total	3,180	198,129	29,394	823,103	2,371	450,4
	Under 1 million	1,553	69,604	14,458	210,208	1,131	126.6
i	1 under 5 million	1,477	108,205	13,433	366,707	1,135	194,8
	5 million or more	150	20,320	1,503	246,188	105	128,9
1970	Total	2,551	172,713	30,277	1,858,718	5,958	6,289,0
1	Under 1 million	1,215	56,290	14,982	428,425	2,674	601,0
1	1 under 5 million	1,203	96,221	13,890	828,383	2,907	1,961,40
enalesta en	5 million or more	133	20,201	1,405	601,910	377	3,726,5
1973	Total	3,327	237,366	34,699	2,106,166	7,285	6,043,94
	Under 1 million	1,762	77,767	17,931	494,446	3,377	834,8
·	1 under 5 million	1,409	127,638	15,199	1,115,908	3,430	2,491,84
	5 million or more	156	31,960	1,569	495,813	478	2,717,27
1977	Total	2,860	193,507	30,753	1,913,491	6,962	4,711,10
	Under 1 million	1,519	72,204	16,948	474,170	3,481	906,80
1	1 under 5 million	1,240	101,137	12,766	846,455	3,162	2,309,30
	5 million or more	101	20,166	1,039	592,866	319	1,494,99
19831	Total	4,488	421,140	25,905	2,457,276	5,397	4,581,46
	Under 1 million	2,451	171,472	13,791	459,868	2,369	870,37
	1 under 5 million	1,918	218,331	11,211	940,420	2,731	2,094,88
	5 million or more	119	31,337	903	1,056,988	298	1,616,20
1987	Total	11,313	1,635,907	38,804	3,355,646	8,606	10,758,24
	Under 1 million	5,215	427,484	19,625	738,141	3,543	1,575,21
ļ	1 under 5 million 🗀	5,554	978,551	17,417	1,425,625	4,391	4,592,89
	5 million or more	544	229,872	1,762	1,191,880	673	4,590,13
1990	Total	16,872	2,640,031	45,047	3,808,907	11,593	14,707,47
. 1	Under 1 million	8,205	733,707	22,746	639,187	5,188	2,460,75
	1 under 5 million	7,916	1,554,742	20,343	1,304,066	5,567	5,929,94
* *	5 million or more	751	351,583	1,958	1,865,655	838	6,316,77

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available for 1963

Table 4A.--Number of Decedents and Size of Gross Estate, by State in Current Dollars

ļ			Filing		1977		
State of residence	19	966	19	70	19	77	
	Number	Amount	Number	Amount	Number	Amount	
otal	32,996	15,534,636	36,343	19,397,481	32,994	25,490,479	
Alabama	280	138,594	300	126,096	352	254,073	
Alaska	9	2,827	27	8,805	26	18,669	
Arizona	232	101,097	289	128,115	319	201,71	
Arkansas	197	72,915	268	96,529	257	154,03	
California	3,710	1,809,511	4,126	2,277,949	3,368	3,358,66	
Colorado	332	145,895	400	189,809	361	249,58	
Connecticut	785	477,437	919	632,023	677	552,01	
Delaware	117	91,831	142	163,923	103	57,25	
Florida	1,462	612,218	1,874	993,077	2,339	1,752,51	
Georgia	402	182,137	570	263,108	580	419,93	
Hawaii	69	37,043	128	57,268	91	65,08	
Idaho	82	25,975	86	28,463	100	55,58	
Illinois	2,391	1,060,325	2,304	1,115,095	2,816	1,901,36	
Indiana	655	221,207	777	318,653	852	757,75	
***	551	174,940	707	231,326	918	484,07	
lowa	504	165,596	548	209,863	593	402,73	
Kansas			416	230,954	355	243.19	
Kentucky	395	142,423	351	142,581	323	226,92	
Louisiana	274	112,851	206	101,120	125	86,61	
Maine	191	81,735			822	548,26	
Maryland	884	418,173	939	527,160	783	561,94	
Massachusetts	1,118	565,738	1,223	733,400			
Michigan	1,136	479,233	1,243	628,076	929	801,76	
Minnesota	500	222,086	559	267,881	503	310,19	
Mississippi	185	68,384	261	109,045	226	142,14	
Missouri	763	382,918	890	368,981	826	610,26	
Montana	143	41,820	159	53,464	125	81,80	
Nebraska	350	119,378	411	141,842	483	296,24	
Nevada	68	47,273	90	44,241	69	224,22	
New Hampshire	123	63,381	140	72,256	144	92,98	
New Jersey	1,462	671,039	1,446	745,674	1,160	807,80	
New Mexico	90	47,077	96	50,331	86	65,57	
New York	4,409	2,628,212	4,396	3,421,824	2,930	2,768,81	
North Carolina	516	201,552	705	334,562	606	416,30	
North Dakota	100	28,996	102	32,484	154	72,75	
	1,621	767,676	1,704	903,343	1,440	1,080,60	
Ohio	371	179,568	427	192,802	457	345,86	
Oklahoma	284	104,611	325	153,924	310	188,54	
Oregon	2,043	949,089	2,175	1,123,803	1,613	1,169,03	
Pennsylvania		106,699	160	134,148	134	102,92	
Rhode Island	180	1	240	112,898	280	194,66	
South Carolina	233	91,421	106	34,326	146	72,0	
South Dakota	90	30,394	1	230,400	483	522,32	
Tennessee	384	150,690	468	1		1,206,92	
Texas	1,120	586,663	1,363	660,533	1,491	56,15	
Utah	78	33,281	76	28,331	94		
Vermont	95	43,782	77	40,566	63	44,26	
Virginia	597	264,072	602	293,172	709	485,5	
Washington	432	180,848	488	208,335	449	293,83	
West Virginia	182	72,968	168	62,820	153	103,79	
Wisconsin	647	234,222	703	289,852	542	402,20	
Wyoming	69	21,095	91	38,512	110	63,1	
Other areas	79	75,740	71	43,742	120	115,7	

Footnotes at end of tables

Table 4A.--Number of Decedents and Size of Gross Estate, by State in Current Dollars--Continued

			Filing	year		
State of residence	19	1831	19	87	19	90
<u></u>	Number	Amount t	Number	Amount	Number	Amount
otal	28,452	34,314,540	42,274	65,089,101	49,850	86,266,789
Alabama	244	·268,113	419	677,193	439	756,695
Alaska	. 25	31,931	, 46	69,998	91	122,064
Arizona	. 485	500,696	629	970,591	493	751,09
Arkansas	190	209,885	, 160	285,072	243	397,49
California	2,026	3,105,986	, 6,538	9,836,221	8,896	15,083,03
Colorado	. 478	707,073	449	586,531	582	775,986
Connecticut	718	1,029,237	. 995	1,634,700	1,251	1,982,94
Delaware	63	72,948	84	111,539	163	. 262,894
Florida	3,074	3,811,599	3,682	6,722,410	4,299	9,691,07
Georgia	. 378	472,776	871	1,863,534	830	1,443,72
Hawaii	. 30	35,197	. 114	180,889	326	556,28
Idaho	71	72,800	-86	106,583	118	149,60
Illinois	. 2,038	2,304,207	2,274	3,272,968	2,473	4,019,90
Indiana	. 436	500,413	539	743,632	688	1,285,29
lowa	896	675,002	434	492,188	672	741,70
Kansas	544	704,863	376	546,636	427	615,96
Kentucky	. 225	284,127	471	651,910	494	807,25
Louisiana	.1	407,518	438	564,447	395	589,55
Maine		106,355	177	211,700	263	382,08
Maryland		753,816	896	1,492,817	1,209	2,226,01
Massachusetts	4	748,825	1,522	2,041,637	1,519	2,377,40
Michigan		943,040	888	1,266,448	1,062	1,633,45
Minnesota	340	470,209	581	869,824	709	1,080,04
Mississippi		157,324	240	296,922	255	391,84
Missouri		1,068,644	947	1,566,514	994	1,891,27
Montana	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	148,388	. 69	85,897	113	164,84
Nebraska	1 '	399,056	257	329,046	261	309,25
Nevada	1	113,677	149	308,387	187	302,50
New Hampshire		199,665	355	445,075	293	449,19
New Jersey	1	916,714	1,951	2,661,435	2,053	3,337,17
New Mexico		63,126	81	167,483	178	276,72
New York	1	3,095,472	4,085	7,360,793	4,804	9,471,60
North Carolina		472,179	916	1,429,512	1,087	1,703,42
North Dakota	1	191,793	71	74,054	135	132,30
Ohio	1	1,175,303	1,645	2,108,787	1,732	2,536,59
Oklahoma		562,501	542	703,345	457	744,93
Oregon		328,672	350	458,050	366	-
		1	• * * * * * * * * * * * * * * * * * * *			501,720 3,929,92
Pennsylvania		1,370,197	. 1,748	2,609,632	2,214	
Rhode Island	1.	77,114	. 112	148,164	198	305,82
South Carolina		209,375	287	482,229	587	750,39
South Dakota		72,654	75	, 69,923	164	155,75
Tennessee		331,406	494	714,349	540	1,130,340
Texas		2,919,663	2,717	4,141,446	2,463	. 4,407,090
Utah		501,452	104	126,166	176	281,123
Vermont		57,546	85	141,446	83	114,426
Virginia		484,464	987	1,535,789	1,138	2,131,613
Washington	409	392,161	473	671,184	715	1,396,739
West Virginia		100,290	159	313,193	274	330,687
Wisconsin	365	407,428	566	764,807	579	4 1,067,415
Wyoming		176,508	88	, 99,100	., 114	158,074
Other areas	69	105,152	54	76,908	51 .	162,401

^{1.} The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

Table 4B.--Number of Decedents and Size of Gross Estate, by State for All Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars

Ĺ			Filin	g year		
State of residence	1	966	1	970	19	77
	Number	Amount	Number	Amount	Number	Amount
otal	32,996	59,078,199	36,343	63,884,340	32,994	52,449,189
Alabama	280	529,225	300	415,565	352	526,104
Alaska	9	10,867	27	28,766	26	38,97
Arizona	232	384,374	289	421,267	319	415,389
Arkansas	197	278,702	268	317,678	257	316,09
California	3,710	6,886,946	4,126	7,510,535	3,368	6,938,06
Colorado	332	550,300	400	624,034	361	510,86
Connecticut	785	1,806,012	919	2,085,788	677	1,133,60
Delaware	117	344,968	142	542,171	103	117,91
Florida	1,462	2,326,771	1,874	3,271,963	2,339	3,609,54
Georgia	402	695,180	570	866,674	580	866,17
Hawaii	69	140,777	128	189,541	91	134,48
Idaho	82	99,122	86	93,726	100	115,41
1	2,391	4,037,716	2,304	3,673,987	2,816	3,912,67
Illinois		841.180	•		852	
Indiana	655		777	1,044,002		1,539,36
lowa	551	666,869	707	756,379	918	991,03
Kansas	504	630,887	548	688,141	593	825,93
Kentucky	395	541,523	416	760,053	355	497,10
Louisiana	274	430,834	351	469,738	323	470,89
Maine	191	309,285	206	332,659	125	177,51
Maryland	884	1,588,949	939	1,733,365	822	1,129,75
Massachusetts	1,118	2,150,982	1,223	2,419,231	783	1,157,27
Michigan	1,136	1,827,225	1,243	2,070,321	929	1,649,83
Minnesota	500	847,781	559	882,774	503	636,76
Mississippi	185	259,537	261	356,943	226	293,22
Missouri	763	1,458,577	890	1,221,251	826	1,254,44
Montana	143	159,224	159	175,172	125	168,77
Nebraska	350	453,305	411	464,822	483	607,80
Nevada	68	180,262	90	145,411	69	464,72
1	123	239,933	140	237,961	144	192,41
New Hampshire		1				i .
New Jersey	1,462	2,552,370	1,446	2,456,027	1,160	1,666,39
New Mexico	90	179,933	96	166,872	86	134,75
New York	4,409	9,983,042	4,396	11,268,603	2,930	5,709,91
North Carolina	516	768,544	705	1,103,089	606	856,04
North Dakota	100	110,088	102	105,875	154	147,16
Ohio	1,621	2,915,749	1,704	2,972,133	1,440	2,219,38
Oklahoma	371	684,356	427	629,792	457	704,65
Oregon	284	398,103	325	506,456	310	387,43
Pennsylvania	2,043	3,601,409	2,175	3,712,197	1,613	2,410,38
Rhode Island	180	406,091	160	442,860	134	211,11
South Carolina	233	349,748	240	370,563	280	399,56
South Dakota	90	115,474	106	112,033	146	147,75
Tennessee	384	573,100	468	759,356	483	1,050,27
Texas	1,120	2,240,332	1,363	2,168,927	1,491	2,495,98
Utah	78	127,253	76	93,250	94	116,22
			76	1 ' 1		
Vermont	95 507	165,902		134,193	63	90,42
Virginia	597	1,001,989	602	967,276	709	996,94
Washington	432	686,351	488	684,648	449	601,35
West Virginia	182	278,219	168	206,380	153	213,74
Wisconsin	647	892,077	703	952,199	542	824,66
Wyoming	69	80,277	91	126,971	110	132,05
Other areas	79	290,481	71	144,720	120	240,76

Footnotes at end of tables

Table 4B.—Number of Decedents and Size of Gross Estate, by State for All Returns with Total Gross Estates of at least \$600,000 in Constant 1987 Dollars—Continued

L				g year		
State of residence	19	9831	1	987	1.	990
	Number	Amount	Number	Amount	Number	Amount
otal	28,452	44,390,833	42,274	72,716,133	49,850	86,229,543
Alabama	244	347,456	419	759,075	439	755,992
Alaska	25	41,362	46	79,314	91	125,294
Arizona	485	654,947	629	1,083,780	493	752,391
Arkansas	190	273,418	160	319,004	243	399,507
California	2,026	4,013,411	6,538	11,011,120	8,896	15,108,402
Colorado	478	902,587	449	658,231	582	775,805
Connecticut	718	1,314,981	995	1,826,059	1,251	1,972,556
Delaware	63	94,493	84	124,349	163	260,994
Florida	3,074	4,979,290	3,682	7,506,489	4,299	9,711,148
Georgia	378	612,713	871	2,080,184	830	1,438,107
Hawaii	30	45,633	114	202,255	326	559,545
ldaho	71	94,301	86	119,398	118	150,034
Illinols	2,038	2,980,016	2,274	3,657,004	2,473	4,018,036
Indiana	436	649,159	539	830,901	688	1,276,788
lowa	436 896	860,388	434	547,011	672	735,186
		1 1		1		1
Kansas	544	908,134	· 376	610,750	427	619,388
Kentucky	225	367,292	471	727,789	494	798,000
Louisiana	326	527,349	438	634,345	395	590,558
Maine	91	137,765	177	235,603	263	382,370
Maryland	646	966,224	896	1,662,703	1,209	2,234,027
Massachusetts	647	965,734	1,522	2,273,320	1,519	2,368,774
Michigan	891 .	1,229,207	888	1,418,529	1,062	1,633,823
Minnesota	449	608,731	581	965,485	709	1,074,277
Mississippi	173	203,173	240	331,426	255	391,366
Missouri	882	1,368,121	947	1,736,737	994	1,890,738
Montana	117	191,889	69	95,950	113	165,416
Nebraska	435	512,851	257	367,766	261	309,005
Nevada	87	147,251	149	347,215	187	303,855
New Hampshire	, 170	252,594	355	492,161	293	446,749
New Jersey	870	1,181,319	1,951	2,980,166	2,053	3,347,957
New Mexico	55	81,494	81	187,447	178	273,629
New York	2,081	4,023,004	4.085	8,232,356	4,804	9,494,895
North Carolina	•		916			1
T T	414	610,643		1,592,458	1,087	1,695,551
North Dakota	206	244,020	71	83,065	135	132,293
Ohio	1,112	1,520,279	1,645	2,349,125	1,732	2,521,957
Oklahoma	535	726,113	542	782,336	457	745,442
Oregón	355	421,264	350	509,020	366	497,900
Pennsylvania	1,280	1,759,713	1,748	2,914,843	2,214	3,909,513
Rhode Island	. 80	99,889	112	165,646	198	303,771
South Carolina	192	271,155	287	539,180	587	746,443
South Dakota	85	94,111	75	78,302	164	153,329
Tennessee	285	429,250	494	796,226	540	1,126,641
Texas	2,307	3,785,748	2,717	4,636,537	2,463	4,398,789
Utah	. 171	633,133	104	141,455	176	282,998
Vermont	55	74,586	85	156,677	83	114,173
Virginia	398	625,081	987	1,713,990	1,138	2,126,552
Washington	409	508,339	473	750,012	715	1,397,711
West Virginia	94	129,909	159	348,438	274	328,030
Wisconsin	365	527,972	566	857,005	579	
Wyoming				1		1,061,497
, ,	202	259,040	88	111,197	114	157,093
Other areas	69	134,306	. 54	86,701	51	165,252

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

Table 5A.--Regional Comparisons of Total Gross Estate, Selected Years in Current Dollars

	Size of			Total gro	oss estate		
Filing year	gross	T	otal	Sui	nbelt	Fros	stbelt
	estate	Number	Amount	Number	Amount	Number	Amount
1963	Total	78,393	17,007,239	(²)	(²)	(²)	ď
	Under 1 million	76,624	12,752,480	(²)	(²)	(²)	Ì
	1 under 5 million	1,635	3,004,563	(²)	(²)	(²)	l c
	5 million or more	134	1,250,196	(²)	(2)	(²)	(
1966	Total	97,321	21,810,404	30,687	7,036,084	66,634	14,774,32
	Under 1 million	94,919	15,927,072	29,928	5,215,312	64,991	10,711,76
	1 under 5 million	2,220	4,027,754	708	1,268,181	1,512	2,759,57
	5 million or more	182	1,855,578	51	552,591	131	1,302,98
1970 .	Total	133,348	29,537,830	43,600	9,861,679	89,748	19,676,15
,	Under 1 million	130,518	21,767,992	42,587	7,464,507	87,931	14,303,46
	1 under 5 million	2,595	4,731,270	945	1,744,888	1,650	2,986,38
	5 million or more	235	3,038,568	68	652,284	167	2,386,28
1973	Total	175,289	38,677,415	(2)	(2)	(2)	i Santananganananganganangan
	Under 1 million	171,265	28,460,249	(2)	(2)	(²)	
	1 under 5 million	3,708	6,759,142	(2)	(²)	(²)	1 (
	5 million or more	316	3,458,025	(²)	(2)	(²)	
1977	Total	200,732	48,198,807	71,878	18,800,503	128,854	29,398,30
	Under 1 million	196,208	36,195,485	70,057	13,311,590	126,151	22,883,89
	1 under 5 million	4,209	7,485,289	1,681	2,981,107	2,528	4,504,18
	5 million or more	315	4,518,033	140	2,507,805	175	2,010,22
1983¹	Total	56,518	44,651,851	22,569	18,805,232	33,949	25,846,61
	Under 1 million	48,443	23,662,394	19,161	9,558,427	29,281	14,103,96
	1 under 5 million	7,470	13,314,505	3,131	5,588,751	4,339	7,725,75
	5 million or more	605	7,674,952	276	3,658,054	329	4,016,89
1987	Total	45,113	66,564,120	21,094	32,462,964	24,019	34,101,15
	Under 1 million	27,694	19,420,108	12,542	8,836,035	15,152	10,584,07
	1 under 5 million	15,935	29,165,353	7,783	14,207,392	8,152	14,957,96
	5 million or more	1,484	17,978,658	769	9,419,538	715	8,559,12
1990	Total	53,168	88,146,916	25,276	43,290,533	27,891	44,856,38
	Under 1 million	29,081	21,596,049	13,615	10,108,692	15,466	11,487,35
	1 under 5 million	22,078	39,766,990	10,642	19,377,639	11,436	20,389,35
	5 million or more	2,009	26,783,877	1,019	13,804,202	990	12,979,67

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available,

Table 5B.—Regional Comparisons of Total Gross Estate, Selected Years for Returns with Total Gross Estates of at least \$600,000 in Constant 1987 dollars

	Size of		<u> </u>	Total gro	oss estate		
Filing year	gross	To	otal	Sur	nbelt	Fros	stbelt
	estate	Number	Amount	Number	Amount	Number	Amount
1963	Total	28,446	49,371,101	(²)	(2)	(2)	(2
•	Under 1 million	14,551	11,083,068	(²)	(2)	(2)	(2
•	1 under 5 million	12,600	23,264,589	(²)	(2)	(²)	1 (*
	5 million or more	1,295	15,023,445	(²)	(²)	(²)	(*
1966	Total	32,996	59,078,199	11,143	19,478,299	21,853	39,599,90
	Under 1 million	16,593	12,626,670	5,557	4,230,203	11,036	8,396,46
	1 under 5 million	14,841	27,742,358	5,100	9,502,748	9,741	18,239,61
	5 million or more	1,562	18,709,172	486	5,745,348	1,076	12,963,82
1970	Totál	36,343	63,884,340	13,141	21,844,571	23,202	42,039,76
	Under 1 million	18,885	14,338,067	6,787	5,169,223	12,098	9,168,84
	1 under 5 million	15,982	29,358,536	5,838	10,772,492	10,144	18,586,04
	5 million or more	1,476	20,187,736	517	5,902,856	959	14,284,88
1973	Total	37,266	64,055,986	(2)	(2)	(2)	Sammanananananananananananananananananan
	Under 1 million	19,610	14,822,268	(2)	(²)	(2)	i è
4 31	1 under 5 million	16,050	29,781,267	(²)	(²)	(2)	ì
	5 million or more	1,606	19,452,451	(²)	(2)	. (2)	è
1977	Total	32,994	52,449,189	12,739	22,029,528	20,255	30,419,66
	Under 1 million	18,506	14,051,521	6,978	5,304,125	11,528	8,747,39
	1 under 5 million	13,431	23,991,484	5,326	9,530,510	8,105	14,460,97
,	5 million or more	1,058	14,406,185	436	7,194,893	622	7,211,29
1983¹	Total	28,452	44,390,833	11,915	19,360,157	16,538	25,030,67
	Under 1 million	15,693	11,957,483	6,324	4,877,026	9,369	7,080,45
	1 under 5 million	11,840	20,690,910	5,121	8,612,733	6,719	12,078,17
	5 million or more	919	11,742,440	470	5,870,399	449	5,872,04
1987	Total	42,274	72,716,133	19,912	35,610,171	22,362	37,105,96
	Under 1 million	21,721	16,750,188	9,881	7,650,348	11,840	9,099,84
	1 under 5 million	18,731	34,089,767	9,089	16,517,673	9,642	17,572,09
7.	5 million or more	1,822	21,876,179	942	11,442,150	880	10,434,02
1990	Total	49,850	86,229,543	23,620	42,366,375	26,230	43,863,16
	Under 1 million	25,933	19,828,961	12,022	9,203,666	13,911	10,625,29
4	1 under 5 million	21,902	39,533,103	10,571	19,273,430	11,331	20,259,67
•	5 million or more	2,015	26,867,480	1,027	13,889,279	988	12,978,20

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² Data not available.

CHAPTER 2 Charitable Bequests

Introduced by Daniel Skelly

tatistics of Income (SOI) periodically collects data and publishes statistical analyses of estate tax returns. The Form 706, Estate Tax Return, provides information on charitable bequests, portfolio composition, and other data on decedents and their beneficiaries. Wealth, tax rates, age, and marital status are thought to be important indicators of giving at death [1]. These factors, as well as individual values and beliefs, predispose individuals to make charitable bequests. Tax incentives can also affect the amount given as well as the timing and type of bequests. During the 1980's, for example, charitable bequests as a percentage of gross estate remained in the range of six percent.

Total giving to charities in 1990 was nearly \$123 billion, or about two percent of the Gross National Product (AAFRC, 1987: Giving USA: Estimates of Philanthropic Giving in 1986 and the Trends They Show). The majority of these gifts were by individuals, both directly (83.1 percent) and through bequests (6.4 percent). Total bequests to charities amounted to \$7.8 billion in 1986.

There are three papers in this section that focus on the charitable bequests. The Steuerle study examines patterns of giving among wealthy individuals. It looks at income tax returns of decedents just prior to death (one or two years prior to death). Steuerle examines the relationship between charitable giving and income, and charitable giving and wealth. He finds that top wealthholders tend to give away only a tiny percentage of wealth during their lifetime.

One important inference is that wealth seems to play only a limited role in determining the amount given during one's lifetime, except to the extent that it increases realized income. Wealth, on the other hand, is an important determinant of charitable bequests. Those with greater amounts of wealth tend to give both greater absolute amounts and larger percentages of their estates to charitable causes.

The article by Johnson and Rosenfeld examines social and economic factors that affect charitable giving, particularly those factors that may influence an individual's decision to make a charitable bequest. The presence of a surviving spouse and other dependents compete directly with charities as beneficiaries. This is demonstrated by the importance of marital status and, to a lesser degree, age, as determinants of charitable giving. Decedents with higher net worth are better able to meet these competing needs. The sex of the decedent plays a role as well. Tax policy also plays a significant role in determining the timing and form of gifts and affects the amount given. Specifically, a variety of psychological and social influences seem to play a large role.

The paper by Joulfaian examines the role of the estate tax in influencing both the amount as well as the diversification of charitable bequests for wealthy individuals. The paper focuses on the pattern of aggregate charitable bequests, bequests to certain categories of charitable organizations, as well as the effect of the estate tax deduction on the different categories of charitable bequests. Data show that bequests generally benefit, at most, one or two categories of charitable organizations. The findings suggest higher tax rates induce more giving and increase the number of categories of charitable bequests. The results also indicate that the pattern of bequests is influenced by terminal wealth and its composition, and by marital status, age and gender.

¹ Joulfaian, D. "Charitable Bequests and Estate Taxes," National Tax Journal, 1991 and Johnson, B. and Rosenfeld, J. "Examining the Factors that Affect Charitable Giving." Trusts and Estates, August 1991.

Charitable Giving Patterns of the Wealthy

by C. Eugene Steuerle, Ph.D*

Although a fair amount of research as been done on the relationship of charitable giving to individual income, much less is known about the relationship of giving to wealth. ¹ Few data are available on the charitable donations of the wealthy, especially the relationship of their lifetime giving to giving via bequest. The combined patterns of lifetime giving and bequests reveal some of the motivations behind individual charitable activity, especially by those who held significant wealth at the time of their death.

This study examines patterns of giving among wealthy individuals. The principal data are a sample of 4,143 estate tax returns filed in 1977 (for deaths generally in 1976 and 1977), matched with the income tax returns of decedents in years just prior to death, from 1974 through 1976. Each estate generally had assets worth \$60,000 or more (\$120,000 or more for decedents dying in 1977).

The 4,143 estate tax returns used for this study constitute 1 our of 10 of the more than 41,000 returns used in *Statistics of Income-Estate Tax Returns* (U.S. Department of the Treasury, Internal Revenue, 1979) and for related wealth studies (Schwartz, 1983). In many cases, however, matching income tax returns could not be found or were not filed for these decedents. In addition, since

information on charitable giving during life was to be examined, only returns field by itemizers were often useful. This study, therefore, usually focused attention on those decedents from whom there was available income tax information from the year prior to death or on persons in this latter group who actually itemized.

Under ideal conditions, one would want to examine a data set that was free of measurement errors. possible sample selection bias, and similar statistical problems. Unfortunately, no such data on wealthholders exist. Instead, capital income reported on income tax returns or in surveys is poorly measured, perhaps much worse than wealth reported on estate tax returns. The data used in this study also have several limitations. First, accounting for wealth takes place in a period different from that in which income tax returns are filed. Charitable giving in one year is thus compared to wealthholding in the following year (at the time of death). transfers, consumption out of wealth, or wealth accumulation out of income could have occurred between the points at which measurements were made. Moreover, charitable giving in the year prior to death may be atypical.

For tax accounting reasons, wealth is also likely to be understated. Valuations for estate tax purposes are typically low for reported assets, especially businesses, farms, houses, and other non-liquid or infrequently traded assets. Estimates must be reasonable, but there is a strong incentive to provide the lowest among available choices. In addition, much wealth from life insurance or pensions does not pass through estates, so estimates of value of estates and inheritances are often understated. Finally, estate tax returns reveal only the wealth of the decedent; in cases where comparisons are made with income tax returns of joint filers, the wealth (and charitable bequests) of only one spouse are contrasted with the annual lifetime charitable giving of both spouses.2

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Wealth data actually improves our understanding of the relationship of giving to income. Previous research (Steuerle, 1985a) has indicated that the relationship of realized, and therefore measurable, income to wealth is poor and that most real income from capital is not recognized by individuals. As a consequence, most existing research on the relationship of giving to income must make use of an income measure that understates true economic income.

² Unless otherwise noted, charitable giving made at death will be referred to specifically as "charitable bequests" whereas the term "charitable contributions" will

TABLE 7–1.

Decedents' (Prior Year) Charitable Contributions as a Percentage of Gross Income Subject to Tax (GIST) by.

Size of GIST and by Size of Net Worth

GIST	Total number contributing	Charitable contributions (\$000)	GIST (\$000)	% Charitable contributions/ GIST
Zero or negative	53	8.5	-4,284	-
\$1-\$2,499	7 7	2.5	107	. 2.3
\$2,500-\$4,999	177	10.8	678	1.6
\$5,000-\$7,499	. 260	41.3	1,622	2.6
\$7,500-\$9,999	227	61.8	1,967	3.1
\$10,000-\$14,999	377	92.9	· 4,712.	2.0
\$15,000-\$19,999	299	141.8	5,213	2.7
\$20,000-\$29,999	429	262.2	10,546	* 2.5
\$30,000-\$49,999	497	668.1	19,412	3.4
\$50,000-\$99,999	351 '	862.2	23,937	3.6
\$100,000 or More	177	3,983.2	36,498	10.9
Total all classes	2,924	6,135.3	100,408	6.1

PATTERNS OF GIVING

As indicated in Table 7-1, charitable giving as a percentage of income tends to decrease as income increases, but it increases once income rises above middle-income levels.³ A contrast of charitable bequests with net worth also tends to show a slight U-shaped pattern (Table 7-2). Thus, giving relative to net worth declines slightly as net worth increases toward \$500,000, then rises significantly as net worth increases. The wealthiest decedents -- those with \$2.5 million or more of net worth -- have by far the highest rate of giving, donating almost one-fifth of their net worth to charity.

TABLE 7-2.
CHARITABLE BEQUESTS AND NET WORTH

Amount of net worth	Total number	Charitable bequests (\$ millions)	Total net worth (\$ millions)	% Charitable bequests/ net worth
<\$100,000	578	5.3	36.1	14.8
\$100,000-\$249,999	990	5.3	. 161.9	3.3
\$250,000-\$499,999	476	4.0	170.1	2.4
\$500,000-\$999,999	601	17.1	406.6	4.2
\$1,000,000-\$2,499,999	231	25.0	335.3	7.5
\$2,500,000 or more	48	80.6	414.8	19.4
'All net worth classes	2,924	137.3	1,524.6	9.0

Tables 7-1 and 7-2 confirm information that is available from separately published statistics on income and estate tax returns. A more useful and

refer to the annual contributions made during the year before death of the decedent.

original contrast can be made among estate tax returns with itemized deductions in the year prior to death and other populations of returns. Table 7-3 presents estimates for four different groups of returns on which deductions were itemized, mainly in 1975: first, those from the estate-income match with \$120,000 or more in assets; second, all decedents with \$120,000 or more in assets (the estate tax population); third, all top wealthholders (defined as all living persons holding assets valued at \$120,000 or more); and, fourth, all returns, regardless of wealth, that itemized deductions in 1975.⁴

Reading across Table 7-3 from the estate-income match toward the population of all itemizers, average income and average wealth fall. The rate of giving also drops, although the difference in rates of giving between top wealthholders and all itemizers (3.6 percent and 2.9 percent, respectively) is perhaps not as much as one might have suspected. Some differences, such as the rates of giving of estate tax returns as opposed to those of all top wealthholders, should be attributed to differences in average age. At given income and tax rates, the elderly have been shown to give more than younger groups.

Another revealing statistic from Table 7-3 (similar statistics can also be derived by comparing Tables 7-1 and 7-2) is that top wealthholders tend to give away only a tiny percentage of wealth during their lifetimes. Contributions represent slightly less than 1/2 of 1 percent (between 0.41 percent and 0.46 percent) of net worth. This relatively small amount

³ The data show results somewhat similar to those found in earlier studies of charitable contributions (see Clotfelter and Steuerle, 1981).

⁴ To obtain the second and third groups, returns in the estate-income match are actually "reweighted." In the former case, recall that each return in the estate-income match actually represents (or is selected from) a much larger group of estate tax returns. In the latter case, a technique referred to as the estate multiplier is used, and each deceased person of a given age is taken to represent a portion of the living population, with the weight or number of persons so represented being determined by the probability of dying at that age. By using this technique, we are able to derive estimates of the wealth and charitable contributions of all top wealthholders, not just those who have died in a particular year. As can be seen in the table, for instance, the wealthy have net worth in excess of \$1 trillion, whereas the wealthy who filed estate tax. returns in 1977 have net worth of only about \$19 billion.

TABLE 7–3.

CHARITABLE GIVING FOR VARIOUS POPULATIONS OF ITEMIZERS

	Estate	Estate		All returns
	income file	tax returns*	All top wealthholders*	itemizing in 1975
		Tota	al (\$ million)	
Annual			,	
charitable contributions	5.8	84.6	4,351	15,343
Charitable	5.0	01.0	1,551	15,515
bequests	122	1,409	_	_
Adjusted gross income	78.7	1,573	127,019	532,611
Net worth		•	•	332,011
	1,240	19,146	1,091,960	
Number of	1 541	40 250	4 062 740	24 074 041
tax returns	1,541	48,350	4,063,740	26,074,061
		Averag	ge per return (\$)	
Annual Charitable				
contributions	3,764	1,750	1,115	590
Charitable	0,701	1,750	1,110	370
bequests	79,169	29,141	-	_
Adjusted	54 OF4	22.524	24 255	20.422
gross income	51,071	32,534	31,257	20,427
Net worth	804,672	395,988	268,708	
		Rates	of Giving (%)	
Contributions/AGI	7.4	5.4	3.6	2.9
Contributions/ ' net worth	0.46	0.44	0.41	_

Restricted to estate tax returns with \$120,000 or more of gross estate.

TABLE 7-4.

CHARITABLE BEQUESTS (ESTATE TAX) AS A MULTIPLE OF CHARITABLE CONTRIBUTIONS (INCOME TAX), IN THOUSANDS OF DOLLARS

			Estat	te tax bequests
Size of charitable contributions	Number	Charitable contributions	Total	As a multiple of contributions
Nonitemizers	1,035	_	10,243	
No contributions	212	_	7,558	_
\$1-\$249	388	47	7,360	156.5
\$250-\$499	308	110	2,781	25.2
\$500-\$999	359	252	8,715	34.6
\$1,000-\$2,499	342	550	8,096	14.7
\$2,500-\$4,999	132	461	4,974	10.8
\$6,000-\$9,999	75	494	22,819	46.2
\$10,000-\$24,999	49	715	9,952	13.9
\$25,000 or more	24	3,506	54,841	15.6
Total all classes	2,924	6,135	137,338	22.4

⁵ In another study for this project, Boris has found that, at least for gifts to foundations, the ratio for lifetime giving to bequests tended to be higher in the years before 1970.

is fairly constant among the different categories of wealthholders shown in the table.

Table 7-4 compares charitable bequests with charitable contributions listed on income tax returns in the year prior to death. In the aggregate, charitable bequests represent over 20 times the amount of charitable contributions in a single year.⁵ At first, one might suspect that this ratio would be high only for those taxpayers who had been less generous that average during their lifetimes. The ratios of charitable bequests to charitable giving, however, are high

even for those taxpayers who appear to have been relatively generous during their lifetimes. Those who gave more than \$25,000 in annual gifts, for instance, fall into the classification of the most generous of lifetime givers, yet even they gave 15.6 times as much in the year of their death as during the previous year. Although not shown in Table 7-4, this phenomenon is not confined to the year prior to death. When returns from two years prior to the respondent's death are examined, a similar result is obtained.⁶

One important inference from Tables 7-3 and 7-4 is that wealth seems to play only a limited role in determining the amount given during one's life, except perhaps to the extent that it increases realized income. Nonetheless, it is an important determinant of charitable bequests, as those with greater amounts of wealth tend to give both greater absolute amounts and larger percentages of their estates to charitable causes.

TABLE 7-5.

Distribution of Persons by Size of Charitable Contributions and Charitable Bequests

	Size of charitable bequests							
Size of charitable contributions	No charitable bequests	\$1-\$50,000		\$250,000- \$1 million		Total		
No charitable contributions								
or nonitemizers	1,075	125	30	14	3	1,247*		
\$1-\$999	881	128	30	12	4	1,055		
\$1,000-\$9,999	419	89	22	13	6	549		
\$10,000-\$24,999	23	11	6	6	3	49		
\$25,000 or more	11	2	4	2	5	24		
Total	2,409	355	92	47	21	2,924		

^{*} Includes 1,035 nonitemizers

Table 7-5 displays the distribution of charitable amounts given during life by size of charitable bequests. Many persons who are very generous in death can clearly be seen to have given little or nothing in the way of lifetime gifts. For instance, 13 of 21 persons bequeathing \$1 million or more to charity actually gave less and \$10,000 in annual

⁵ In another study for this project, Boris has found that, at least for gifts to foundations, the ratio for lifetime giving to bequests tended to be higher in the years before 1970.

⁶ This is the only way that one can check whether giving in the year before death displays any peculiar pattern. No further information is available on total lifetime patterns of giving or even on giving several years before death.

gifts.⁷ In contrast, many who were relatively generous during life made few or no contributions at time of death. Thus, of the 24 individuals who contributed more than \$25,000 in annual giving, 11 made no charitable bequests whatsoever.

Table 7-6 presents charitable contributions and bequests as percentages of income and net worth, rather than in dollar amounts. The result of both Tables 7-5 and 7-6 are broadly similar. For instance, of 32 persons who made annual contributions of over 40 percent of their income, 19 left no charitable bequests. At least in percentage terms, however, Table 7-6 indicates that givers may be more likely to give a high percentage of their estate than of their income to charity. Thus, 101 (or 3.4 percent of these returns) gave away 40 percent or more of net worth at death, but only 32 (or 1.1 percent) gave away more than 40 percent of income.8

TABLE 7-6. DISTRIBUTION OF PERSONS BY CHARITABLE CONTRIBUTIONS AS A PERCENTAGE OF INCOME AND CHARITABLE BEQUESTS AS A PERCENTAGE OF NET WORTH*

Charitable bequests as % of net worth							
Charitable contributions as % of income	No charitable bequests	0.01-3.00	3.01-20.00	20.01-40.00	40.00 or More	Total	
No charitable contributions							
or nonitemizers	1,075	97	26	11	38	1,247*	
0.01-3.00	834	90	23	9	29	985	
3.01-20.00	450	79	39	12	22	602	
20.01-40.00	31	3	7	2	7	50	
40.00 or more	19	. 4	3	1	5	32	
Total	2,409	273	98	35	101	2,916 ^b	

Income is measured by gross income subject to tax.

Both Tables 7-5 and 7-6 confirm that the pattern of large bequests and small annual contributions is the prevalent behavior for most taxpavers who make large bequests. Thus, lifetime giving and bequest giving are not great predictors of each other.

ECONOMETRIC RESULTS

Table 7-7 represents a more rigorous analysis of lifetime giving. Some common econometric techniques are used to explain charitable contributions reported on income tax returns.9 Income, price of giving, and other dependent and independent variables are defined in roughly the same way as is in many recent econometric studies. The principal difference between this study and most previous studies is that net worth is added as a variable.

TABLE 7-7. EQUATIONS EXPLAINING CHARITABLE CONTRIBUTIONST REPORTED ON INCOME TAX RETURNS

TAX RETURNS								
DEPENDENT V	ARIABLE: (n (CHARIT	ABLE CON	TRIBUTION	s + \$10)			
Independent			Equ	ation				
variables	1	2	′ 3	4	5	6 -		
ln Net worth			.09			-·.07 (.07)		
ℓn Price		~2.15* (.24)	-2.04* (.25)		-2.47 (.20)	-2.44 (.20)		
ℓn Realized income	.98* (.05)	.41* (.08)	.37* (.08)			-		
ℓn Economic income				.82* (.05)	.28* (.06)	.36* (.10)		
Married	55* (.10)	58* (.10)	60* (.10)	67* (.11)	62* (.10)	61 * (.10)		
Dependents	.33 * (.12)	.37*	.37* (.12)	.30* (.13)	.36 * (.12)	.34* (.12)		
Age unknown	1.51 * (.65)	1.32* (.63)	1.20 (.63)	1.35* (.66)	1.22 (.63)	1.29* (.64)		
Age between 35 and 49	.12 (.51)	001 (.50)	06 (.50)	01 (.52)	06 (.50)	02 (.50)		
Age between 50 and 64	.48 (.48)	.32 (.47)	.25 (.47)	.45 (.49)	.27 (.47)	.33 (.47)		
Age 65 or over	.76 (.48)	.63 (.47)	.53 (.47)	.92 (.49)	.66 (.47)	75 (.48)		
Intercept	-4.47	.442	236	-3.13	1.46	1.57		
r²	.241	.280	.282	.206	.277	.278		

[†] Standard errors are shown in parentheses.

In equation 1 (Table 7-7), charitable contributions are defined as a function of income, age, marital status, and the presence of dependents, but not of price (or taxes) or net worth. 10 The income measure used here, however, is not economic income but rather the income reported by the taxpaver on the tax return. Thus, this equation follows most previous studies of charitable giving by using the

^{*}Includes 1,035 nonitemizers.

*Total differs slightly from Table V because returns reporting positive charitable contributions and

⁷ Nonitemizers give less than \$2,600 to charity -- the maximum standard deduction in 1975 -- or else they would itemize.

⁸ Of returns reporting both positive contributions and positive bequests (thus excluding both nonitemizers and those not adequately planning for death), the ratio is roughly similar: 63 with bequests of 40 percent or more of net worth by only 13 with contributions of 40 percent or more of income.

⁹ See, for instance, Clotfelter and Steuerle (1981) and Feldstein and Taylor (1976).

¹⁰ Only 11 percent of itemizers had no contributions. As is typical in charitable studies with such a high percentage of positive givers, ordinary least square rather than a Tobit or similar regression technique was used.

amount of income realized or reported by the individual as the measure of income. Note that the coefficient for the income variable, 0.98, is very close to 1.00, implying that giving as a percentage of this realized income will stay fairly constant after controlling for age, marital status, and presence of dependents. For instance, if income increases from \$10,000 to \$100,000, the rate of giving would be predicted to fall less than 5 percent. When taxes (or price) are added to the model, however, the coefficient of income is decreased significantly, while the price coefficient increases in absolute value (see equation 2). This result is again consistent with previous studies. Because price and income are highly correlated, of course, interpretation is difficult, and it is always possible that the regression attributes to changes in price some of the effect of the changes in income and vice-versa.

Equation 3 goes one step further and adds net worth as a variable. The results are changed only trivially from equation 2, and the coefficient for net worth fails to meet the statistical test of significance at the .05 level. Even if significant, the size of the coefficient indicates that an increase in net worth, all other things being equal, would have only a small effect on charitable contributions. For instance, if net worth increased 20-fold from \$50,000 to \$1 million, giving would be predicted to increase only by 31 percent.

The low coefficient on net worth is actually quite similar to that obtained by Feldstein and Clotfelter (1976) in survey data from the 1963 and 1964 surveys conducted by the Board of Governors of the Federal Reserve System (coefficient = .095; standard error = .057). The coefficient on net worth obtained here is slightly higher than that obtained by Dye (1977), who used a 1974 national sample of household giving behavior of low- and middle-income taxpayers interviewed by the Survey Research Center at the University of Michigan (coefficient = .05; standard error = .01). Although wealth and income from capital tend to be understated significantly in surveys, regressions run on these

data sets have tended nonetheless to show the same price and income elasticities as have similar regressions run on tax returns. Perhaps it is not surprising that the wealth elasticities would have the same tendency to be small or insignificant.

Because recognition of income from capital is largely a discretionary event (Steuerle, 1985b), recognized income from capital is actually a very poor measure of real income from capital. Much of the total return to capital, especially of top wealthholders, is accrued in the form of unrecognized capital gains. In equations 4, 5, and 6, therefore, recognized income from capital is replaced with an estimate of the economic income from capital. The latter measure is obtained essentially by multiplying net worth by 5 percent and adding that income to labor income. Estimated income from capital is closer to an expected return from capital, as assets will fluctuate in value from year to year. Nonetheless, it is a more accurate measure of the well-being of the household than is a recognized income measure that is unadjusted for the presence of accrued capital gains and for the effect of inflation on the measure of income from capital.

When economic income is substituted for recognized income, the income elasticity tends to fall. equation 4, the income elasticity is .82. Unlike equation 1, where the rate of giving out of income tends to stay constant, an elasticity of .82 implies that as income rises from \$10,000 to \$100,000, the rate of giving falls by over one third. Since there is no separate price variable in equations 1 and 4, the income elasticity really reflects the combined effect on charitable giving of both an increase in income and a likely increase in tax rates. Thus, when recognized income goes up, so do tax rates, while an increase in economic income, if not recognized, would involve no simultaneous increase in taxes. In equations 5 and 6, price is added back as a variable. When these equations are compared to equations 2 and 3, the price effect can be seen to be stronger in those equations that use economic income as a variable, while the income effect is somewhat weaker in equation 5. Equation 6 must be interpreted with caution since the economic income variable is measured in part from the net worth variable, so that one cannot really separate out the income from the net worth effect.

¹¹ Households did not report actual net worth in the Michigan survey, but only classified themselves as falling in certain groups.

The results demonstrate that individual lifetime giving may tend to be a function more of recognized income than of economic income. Individuals may be much more likely to give out of cash income than they are to give out of accrued gains in the value of corporate stock or land. By the same token, tax incentives from charitable giving do not apply to income that is never recognized.

In order to interpret further this data on charitable giving, Table 7-8 presents wealth and income information for the sample of top wealthholders. What becomes apparent almost immediately is that the ratio of income to wealth of top wealthholders declines significantly as wealth increases. Gross capital income subject to tax is only 2.2 percent of wealth for decedents with wealthholdings of \$2.5 million, while it is 5.9 percent of wealth for those with wealthholdings of \$250,000 to \$500,000. These results arise in large part because persons with lesser amounts of wealth often receive a greater percentage of their capital income in the form of interest and dividends. Those with greater amounts of wealth tend to hold real estate and corporate stock, and returns from these assets are often deferred or never realized for tax purposes.

What this declining ratio of income to wealth also suggests is that the difference between economic income and recognized income tends to increase as wealth increases. To the extent that individuals are more likely to give out of their recognized income, top wealthholders will be those who are most affected by the increasing gap between economic and recognized income.

Effect on Giving of Other Demographic Factors

Except for the effect of marriage, other variables in all the equations in Table 7-7 tend to show the same effects as those reported in previous econometric studies. Giving increases significantly with age. Since the estate-income match contains information on much more elderly individuals than do most surveys or samples of tax returns, the "age unknown" category is likely to be comprised primarily of persons aged 55 or older. Hence, the significance of the age coefficient for this group confirms a significant increase in giving with age, all other things being equal. Moreover, the coefficients for

other groups tend to increase with age, and their failure to be significant at the .05 level is probably simply a function of the limited number of returns of younger ages.

Giving also tends to increase with the presence of dependents, a result consistent with the notion that those with dependents are likely to give more because they or their children are involved with more institutions, such as schools or clubs. While marriage has a negative effect on giving, as opposed to the positive effect revealed in most previous studies, these other studies do not include so many elderly. A logical reconciliation of results is that, among nonelderly persons, marriage is likely to increase lifetime giving, but elderly persons are more likely to become more cautious with their giving if they are planning for the future care of their spouses.

CONCLUSIONS

This study reveals a number of patterns of charitable activity among top wealthholders. While top wealthholders as defined here comprise only a small part of the total population, they are the persons most likely to give large enough amounts to start new charities or foundations or to undertake new enterprises with existing charities. Several conclusions are particularly relevant for the charitable sector; giving by top wealthholders at death tends to be much larger than annual giving during life; wealth has only a limited effect on lifetime giving; and giving is more likely to take place out of realized income than out of economic income. These observations are consistent with each of the following hypotheses or explanations, none of which are mutually exclusive:

- 1. For the very wealthy, charitable giving may compete less with consumption than with wealth-holding itself. Indeed, wealth-holding confers such benefits on individuals that they reveal a willingness to pay additional taxes to hold onto wealth that most likely will never be consumed.
- 2. Many persons may not take maximum advantage of the tax laws, either because they are ignorant of opportunities available to them or because existing legal mechanisms for encouraging giving to charity are insufficient.

TABLE 7–8.

ALL DECEDENTS: GROSS CAPITAL INCOME SUBJECT TO TAX AS A PERCENTAGE OF WEALTH (IN THOUSANDS OF DOLLARS)

								ross capital income subject to tax as a % of wealth					
			Average	1	Zero	o or negat	ive	Under 3 percent					
Size of Wealth	Total number	Average wealth	•		Number	Wealth	Gross capital income	Number	Wealth	Gross capital income			
Under \$100,000	519	72	9	12.4	41	3,269	-43	120	9,620	140			
\$100,000 under \$250,000	980	164	10	6.1	66	10,460	-140	263	42,429	547			
\$250,000 under \$500,000	445	344	20	5.9	22	7,597	-139	102	35,261	532			
\$500,000 under \$1,000,000	668	675	34	5.1	39	25,608	– 775	168	114,206	1,273			
\$1,000,000 under \$2,500,000	255	1,458	70	4.8	18	25,638	-144	75	110,868	1,656			
\$2,500,000 or more	57	8,272	183	2.2	9	48,197	-578	23	314,916	1,211			
All decedents	2,924	563	26	4.5	195	120,770	-2.116	751	627,302	5,361			

Gross capital income subject to tax as % of wealth (continued)

	3 percer	nt under 5 p	ercent	5 perce	5 percent under 7 percent			7 percent under 10 percent		
Size of wealth	Number	Wealth	Gross capital income	Number	Wealth	Gross capital income	Number	Wealth	Gross capital income	
Under \$100,000	99	7,930	315	57	4,340	260	48	3,850	331	
\$100,000 under \$250,000	235	39,291	1,541	161	27,583	1,623	98	15,943	1,360	
\$250,000 under \$500,000	109	37,055	1,487	92	31,282	1,808	54	18,931	1,575	
\$500,000 under \$1,000,000	204	139,757	5,692	119	78,818	4,628	70	47,243	3,852	
\$1,000,000 under \$2,500,000	93	134,038	5,337	29	41,848	2,436	22	32,441	2,618	
\$2,500,000 or more	14	71,788	2,591	7	24,838	1,462	2	6,128	507	
All decedents	754	429,860	16,964	465	208,707	12,216	294	124,534	10,244	

Gross capital income subject to tax as % of wealth (continued)

			•				
	10 percent under 15 percent			15 percent or more			
Size of wealth	Number	Wealth	Gross capital income	Number	Wealth	Gross capital income	
Under \$100,000	42	2,968	358	112	5,192	3,237	
\$100,000 under \$250,000	81	13,338	1,579	76	11,969	3,232	
\$250,000 under \$500,000	40	14,490	1,716	26	8,398	1,916	
\$500,000 under \$1,000,000	39	25,314	3,059	29	19,720	4,627	•
\$1,000,000 under \$2,500,000	11	17,137	1,925	7	9,790	3,999	
\$2,500,000 or more				2 .	5,645	1,751	
All decedents	213	73,247	8,636	252	60,716	18,761	

3. Tax incentives are offset significantly, at least for top wealthholders, by the prior tax incentive not to recognize income in the first place.

Each of these possible explanations is discussed briefly in the paragraphs that follow.

Charitable Giving Versus Wealthholding.

At death, individuals can either give their assets to charity or to other individuals, but they can no longer consume their own wealth. Individuals who accrue substantial holdings often demonstrate that they are not likely to consume all their wealth during their lifetimes; they have chosen not to buy annuities or engage in other behavior that would maximize lifetime consumption and minimize their holdings at the time of their death. Many researchers would argue that such behavior indicates that the life cycle model provides only limited information on the ways in which individuals save and consume. For instance, the elderly as a group tend to increase, not decrease, their net worth as they age (Menchik and David, 1983). Even if one believes that the life cycle hypothesis explains the consumption behavior of most individuals, however, those with the greatest amount of wealth at death will be those for whom the hypothesis most likely will be inapplicable.

Seen in this light, lifetime charitable giving among top wealthholders must be viewed in part not as competing with consumption, but with the maintenance or accrual of wealth itself. This wealthholding provides increased power, prestige, control over existing assets or businesses, insurance over unforeseen events, and the option of making future decisions with respect to the transfer, investment, or disposition of the wealth.

The substantial increase in charitable giving at time of death is consistent with this notion. Many top wealthholders may be much more willing to make charitable bequests simply because wealth accumulation or retention is no longer an alternative. In effect, at death some transfer must be made either to charity or to other persons.

What makes this pattern of giving even more remarkable is that lifetime giving almost always has more tax advantages than posthumous giving. Both

income and estate taxes are lessened in the former case, whereas bequests involve only estate tax reduction. Additional income tax savings could be used to increase consumption without any decrease in total charitable contributions, or to increase total charitable contributions without any decrease in consumption. Put another way, the only benefit from the increased taxation is a lengthening of the period of time in which the person holds onto the wealth. Thus, wealthholding appears to confer advantages on persons other than increased consumption, either for themselves or for their heirs.

Taking Advantage of the Tax Laws

An alternate explanation of this same tax behavior is that individuals are either ignorant of the tax laws or that the existing mechanisms for taking advantage of these laws, such as provisions for trusts, are either inadequate or too costly to use. Ignorance of complicated tax laws is a common phenomenon that cannot be disregarded. Trusts may be costly to set up and may be avoided for this reason, especially by those with lesser amounts of wealth. Certainly many individuals, including some of the most wealthy, have been found to plan inadequately for their estates.

To the extent that this is true, it offers the prospect that additional efforts by the charitable sector could increase giving. Existing methods of approaching wealthy individuals may simply be inadequate. If charitable giving provides a sense of well-being to the giver, then perhaps it needs to be better "advertised" and "packaged." The dissemination of information about optimal tax planning may also be poor, inefficient, or expensive.

If persons hold onto wealth not only for future consumption, but also for the insurance, power, and security it brings, then existing legal vehicles for making donations to charity during one's lifetime may not adequately appeal to potential donors.

A charitable remainder trust, for instance, may be well geared to the consumption needs of a donor, but what if the potential donor has little concern with future consumption patterns and simply wants to maintain control over his wealth? Perhaps better forms of trust or legal vehicles could be developed to take care of the lifetime needs of the giver.

Charitable Incentives and the Recognition of Income

A third explanation for the charitable behavior revealed in this study is that lifetime giving is affected significantly by the tendency not to recognize income in the first place. Top wealthholders hold most of their assets in the form of corporate stock and real estate and do not recognize many of the returns from those investments. This may affect charitable giving in two ways. First, to the extent that charitable giving is more likely to take place out of cash and liquid assets, it may be reduced where the income from assets flows through in less liquid forms. Second, since recognition of capital income at the individual level is largely a discretionary event, tax incentives to give will only apply to that income for which such discretion is exercised. For income that is not recognized or is sheltered by artificial losses, the price effect is basically zero. For many taxpayers, therefore, the existing tax system may discourage the recognition of income so much that a charitable incentive applies only to a small portion of the true economic income of the taxpayer.

An example may help to clarify why tax incentives for lifetime charitable giving by the very wealthy may be minimal. According to Table 7-8, taxpayers with \$2.5 million or more of wealth recognize about 2.2 percent of wealth as gross capital income subject to tax. For a taxpayer with \$8.3 million of wealth, this implies income subject to tax of about \$180,000. Suppose other deductions and income offset each other, so that total income against which charitable deductions are allowed also equals \$180,000. Then the maximum amount of charitable contributions which can be given and still result in a current tax deduction is \$90,000, or only about 1 percent of wealth. For gifts of appreciated property or gifts to nonoperating foundations, the maximum tax incentives apply at even lower percentages of income.

In effect, taxes can induce individuals to give only to the extent that their income is taxable. Given the fact that many of the very wealthy realize only a small part of their capital income, there is only a limited income tax incentive for them to donate significant portions of their wealth to charity during their lifetimes. The lifetime giving patterns of the wealthy might reasonably be explained by any of the three reasons offered here: the advantages of wealthholding itself, inadequate planning or ignorance of the tax laws, and limited lifetime incentives when income is not recognized in the first place. I would argue that all three are important and interact to explain the charitable giving patterns of the wealthy.

SUMMARY

Wealth is an important factor in deathtime giving, but it plays only a limited role in determining the amount of giving during life. The ratio of charitable bequests to charitable giving during a prior year of life is very high for all classes of wealthy taxpayers, both those who are generous during life and those who are not. Lifetime and deathtime giving, moreover, are not found to be great predictors of each other. Many with little lifetime giving are very generous at death, and many who are very generous during life give nothing out of their wealth at death.

Regression analysis confirms the weakness of net worth as an explanatory variable for lifetime giving. Taxes (price), income, age, and marital status, on the other hand, remain significant predictors. People are also more likely to give out of realized income than out of economic income. Giving out of realized income, of course, may be induced both because charitable deductions can reduce tax only to the extent that income is realized and because individuals may be more likely to give out of liquid than non-liquid assets.

There are three possible explanations for this observed pattern of giving by top wealthholders. First, wealthholding itself may confer on individuals substantial independent benefits such as increased options with respect to future decisions, insurance against unforseen events, prestige, and control. In fact, many people demonstrate that they are willing to pay additional taxes to hold temporarily onto wealth that neither they nor their heirs will consume. Second, some persons may not take maximum advantage of the tax laws because of ignorance of the opportunities available to them or because of the inadequacy of existing legal mechanisms. Finally, existing income tax incentives to give are offset

significantly by the prior incentive not to recognize income in the first place.

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Charitable Bequests and Estate Taxes

by David Joulfaian, Ph.D.

ABSTRACT

This paper examines the effects of the estate tax on charitable bequests using estate tax records for decedents in 1986 filed during the years 1986 through 1988. It focuses on the pattern of aggregate charitable bequests, bequests to six categories of charitable organizations, as well as the effect of the estate tax deduction on the number of categories of charitable bequests. The findings suggest that higher tax rates induce more giving and increase the number of categories of bequests. The results also indicate that the pattern of bequests is influenced by the terminal wealth and its composition, and by marital status, age, and gender.

I. Introduction

Charitable bequests are an important source of philanthropic support. About 700 of the estates of decedents in 1986 alone, for instance, contributed over \$175 million to the arts and humanities, or over one-half the combined budgets of the National Endowment for the Arts (NEA) and the National Endowment for the Humanities. Despite their importance, relatively little attention has focused on the pattern and determinants of charitable bequests and the role of the estate tax.

The estate tax provides a deduction for charitable bequests. While there is some consensus regarding the effects of the personal income tax on charitable contributions², the evidence on the effects of the estate tax on charitable bequests is scant and mixed. There are three major questions that need to be addressed. First, what is the impact of the estate tax on the level of giving? Given that the Federal government provides a tax subsidy of over \$1.5 billion in the form of an estate tax deduction for charitable bequests,³ it is

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important to evaluate whether the deduction induces additional giving. Second, how does the tax affect the pattern of giving to different types of charitable organizations? Finally, how does the tax system affect the number of categories of charitable bequests? This last question is particularly important in light of the striking empirical fact documented below that most bequests involve at most one or two types of organizations.

In this paper I analyze recent patterns of charitable bequests with an emphasis on its determinants and the observed incompleteness in giving. I focus on the estates of decedents in 1986 while the most recent studies focused on decedents in 1976 (Clotfelter 1985, p. 241) and Connecticut decedents in the 1930s and 1940s (Barthold and Plotnick 1984). Furthermore, I study the pattern of six categories of bequests. These include bequests to (1) the arts and humanities, (2) religious, (3) education, medical, and scientific research, (4) social welfare, (5) foundations, and (6) other types of donees. I also evaluate the effects of the estate tax on the number of categories of bequests.

The results support the view that the estate tax deduction stimulates charitable bequests. All categories of charitable bequests are found to be responsive to the estate tax. However, the results suggest that bequests to the arts and humanities, social welfare, and foundations are the least price responsive. Furthermore, the estate tax deduction also reduces the incompleteness in bequests in that the number of donees rises as the tax price declines. In addition, the results also show that bequests rise with wealth and age, and that women bequeath more than men.

II. Estate Tax and Other Determinants of Bequests

In a model of lifetime utility maximization, an individual's utility, with appropriate discounting, is determined by his

own lifetime consumption (C_I) , the consumption or endowment of relatives and heirs (C_H) which is determined by gifts (G) and inheritances (B) from parents, and the own-endowment of such relatives $(W_H)^4$, charitable contributions (CC), and charitable bequests (CB).

The parent's lifetime preferences can be presented by the following utility function:

$$U(C_L, C_H, CC, CB). (1)$$

The individual faces a budget constraint which requires that the sum of consumption, gifts (G) and bequests to relatives (B), and charitable contributions and bequests not exceed the individual's lifetime wealth (W), or

$$P_{L}C_{L} + P_{G}G + P_{B}B + P_{CC}CC + P_{CB}CB \leq W. \quad (2)$$

The individual selects the amounts of consumption and transfers to relatives and charity by maximizing (1) subject to (2) and the heirs' budget constraint:

$$C_{H} \leq W_{H} + G + B. \tag{3}$$

Solving for the first-order conditions and invoking the implicit-function theorem yields the following equation for charitable bequests:⁶

$$CB = CB(P_L, P_G, P_B, P_{CC}, P_{CB}, W, W_H).$$
 (4)

Given income tax rate t and estate and gift (unified transfer) tax rate e, and after setting the price of consumption to 1, the price variables are:

$$P_L = 1$$

 $P_G = 1 + e$
 $P_B = (1 + \pi)[(1 - e)(1 + i)]^{-1}$
 $P_{CC} = 1 - t$
 $P_{CB} = (1 + \pi)(1 + i)^{-1}$

where π is the inflation rate defined as $(1 + p)^L - 1$, i is the interest rate also de-

fined as $(1 + r)^L - 1$, with p and r being the annual inflation and discount rates respectively, and L is life expectancy. Note that the above formulation and prices are similar to those in Boskin (1976) except for the price of lifetime gifts (P_G) .

In principle it would be desirable to estimate (4) with all the appropriate right-hand-side variables. However, our data do not capture all of the explanatory variables. Consequently, the demand function (4) for charitable bequests would have to be reduced to the form

$$CB = f(P_{CB}, W)$$
 (5)

where P_{CB} is the price of charitable bequests defined as 1-e with the price of gifts at death (P_B) normalized at 1, and W is "bequeathable" wealth held at death. The implications of (5) are somewhat different from those of (4) since the focus is on how one allocates terminal and not lifetime wealth between bequests to family and charitable bequests.

Four previous econometric studies have attempted to estimate (5) and gauge the effect of the estate tax. McNees (1973), using the Internal Revenue Service 1957–59 estate tax file for decedents with gross estate over \$60,000, found taxes to be a significant factor determinant of bequests. McNees used ordinary least squares in evaluating the determinants of bequests and the tax rate (not price) was used as a right-hand-side variable. Furthermore, all returns showing no bequests were dropped from the sample used to estimate the parameters.

Using the same data as in McNees, Boskin (1976) estimated Tobit regressions of contributions. Using a linear functional form, Boskin found an elasticity of giving with respect to the tax price of -1.2, calculated at the mean. Boskin also studied the pattern of giving using 1969 estate tax data and reported a price elasticity of -2.0. When Boskin distinguished bequests by type of donee on the 1957–1959 file, the price elasticity ranged from -0.7 to -2.0 for bequests to religious, education-scientific, and health and social welfare organizations, and -1.8 to -5.2 for other categories. The wealth

elasticity ranged from 0.2 to 0.7 depending on the type of donee. Wealth was defined as the adjusted disposable estate.

Using a pooled sample of grouped data available by estate class for the period 1948 to 1963. Feldstein (1977) reported great variance in the estimated elasticities, which ranged from -4.0 to -0.1. Wealth was measured in terms of gross estate before debts and other offsets. Recently, Barthold and Plotnick (1984) analyzed Connecticut probate records for decedents during the 1930s and 1940s. They estimated Tobit regressions in logarithmic specification. Their findings challenged the conventional view in that they found the estate tax price to have no significant effect on charitable bequests. Gross estate or total assets were used as a measure of wealth and the tax rate reflected both federal and state tax laws.

In the latest study, Clotfelter (1985, p. 241) used 1976 estate tax return data for decedents with gross estates over \$60,000 but limited to net estates over \$5,000. Using logarithmic specification, he reported an elasticity with respect to the tax rate of -2.79 and -1.67, and with respect to the size of wealth of 0.18 and 0.42, depending on the definition of wealth. The results also show that charitable bequests rise with the age of the decedent and that they are greatest for the never-married single, followed by separated and divorced, and widowed, respectively. Clotfelter also studied the determinants of giving using different population strata and specifications.

This paper complements the existing literature and overcomes some of its limitations in several ways. First, it uses recent data on bequest patterns (1986), which are more relevant to tax policy. Second, and for the first time ever, the paper employs combined data from estate tax returns (Form 706) and returns filed by life insurance companies (Form 712) for decedents, which provide broader measures of bequeathable wealth. This is especially true when compared to wealth from probate records, which may understate wealth reported on tax returns by over 25 percent (mainly Schedule G and Form 712 information). Third, the data

employed provide greater detail on categories of bequests and allow for the study of the tax effects on the level of giving to individual categories and the number of categories as well.

III. Data Sources and Construction of Variables

A. Data

This paper uses data on decedents in 1986 provided by the Statistics of Income Division of the Internal Revenue Service. The data for 1986 decedents are compiled by combining three random samples of estate tax returns (Form 706) filed during the years 1986 to 1988. The samples for each of the three years are stratified by size of estate, age, and whether the individual died in 1986.8

The data contain information on 12 categories of assets held at death and lifetime transfers, debts, funeral expenses, attorney fees and executor commissions, life insurance policy loans, and other estate administration expenses, among others. It also includes information on jointlyowned property, community property, and life insurance owned by others and excluded from the estate,9 among others. All assets are reported, regardless of whether they were held directly, in trusts, or subject to a power of attorney. Demographic information is also available on the file. These include age, marital status, sex, state residency, date of death of spouse for widowed decedents, among others.

The individuals in this sample, after adjusting for inflation. are somewhat wealthier than those with gross estates over \$60,000 studied in Boskin (1976) and Clotfelter (1985, p. 241), but comparable to those in Barthold and Plotnick (1984). Only estates with assets over \$500,000 were required to file in 1986. Few returns below this threshold were filed. Since the Paperwork Reduction Act does not require complete reporting of information on such returns, they were dropped from the sample. Other returns dropped are those with unknown age or those age 30 or under (mostly minors). I also dropped

those with bequeathable wealth under \$5,000, as well as those who bequeathed their entire estate to charity (about 50 estates). The resulting sample consists of 13,492 returns, or 218 less than the original sample of 13,710 returns.¹⁰

B. Tax Price

The price per dollar of charitable bequest is defined as one minus the marginal tax rate. The marginal tax rate is constructed as follows. For each estate, the tax liability is computed using 1986 tax law. First, the total estate tax liability is computed in the absence of charitable bequests. Second, \$1,000 in charitable bequests are assumed for all estates, and the estate tax liability is recalculated. Next, the marginal rate is computed as the change in tax liability divided by 1000. This procedure, which is consistent with that followed in earlier papers (see McNees 1973, Boskin 1976, and Clotfelter 1985, p. 241) leads to an exogenous tax price variable. State and local taxes are ignored.11

The estate tax Code effective in 1986 is drastically different from provisions effective during the years studied by Clotfelter, Boskin, and McNees, as well as Barthold and Plotnick. First, the 1976 Act, effective for decedents dying after 1976, unified the estate and gift taxes. As a result, all lifetime gifts—directly or through trusts—are aggregated with taxable estate to determine a tentative estate tax. The tentative estate tax is computed using a unified tax rate schedule, and a credit is provided for any gift taxes on the lifetime transfers.

Second, the 1981 Act reduced the maximum tax rate from 70 percent to 55 percent. It raised the exemption level to \$500,000 in 1986 (\$600,000 in 1987 and thereafter) from \$60,000 in 1976. Third, after 1976, certain real property used in a farm or other trade or business can be valued based on its actual use rather than the market value. The value of a farm based on its crop yield can be considerably lower than its market value based on development potential. The valuation difference, however, is limited to \$750,000.

Fourth, the 1981 Act provided for a

marital deduction equal to the spousal bequest—also referred to as the unlimited marital deduction. Under previous law, the deduction for such bequests was limited to the greater of one-half of the adjusted gross estate or \$250,000. For such returns, spousal bequests were assumed to remain unaltered in computing the tax liability in the absence of charitable bequests. Implicitly, this treatment assumes that such transfers would be taxed at the spouse's death in any event (see Clotfelter 1985, p. 249). Fifth, the 1984 Act repealed the \$100,000 exclusion for the value of interests under qualified and individual retirement (IRAs) plans. 12

C. Categories of Bequests

In previous research, Boskin (1976) and Barthold and Plotnick (1984) studied the determinants of giving to four categories of beneficiaries. These included bequests to (1) religious, (2) education-scientific, (3) health and social welfare, and (4) other organizations. In this paper six categories of giving are studied: (1) arts and humanities, (2) religious, (3) education, medical, and scientific, (4) social welfare, (5) foundations, and (6) other categories of bequests. The breakdown into these categories provides greater insights into patterns of giving and also reduces aggregation bias.

In select instances, the sum of the bequests or the gross contributions may exceed the actual deduction. This situation arises when a non-profit organization assumes the estate tax liability of the decedent. When an individual bequeaths a fraction of his estate to charity with the stipulation that the non-profit organization assume the estate tax liability, the actual (net) charitable bequests (gross bequest less estate tax) will fall short of the gross bequest. As a result, and when appropriate, the six categories of bequests are scaled down in order to sum to the net contribution or actual deduction.

D. Wealth Measure

Wealth is defined as the adjusted disposable estate. In many ways, this is

identical to Clotfelter's (1985, p. 241) definition of net estate, defined as total assets less debts, estate expenses, and the tax liability in the absence of bequests. Two categories of lifetime transfers are recognized in defining wealth. The first includes transfers with certain retained interests or powers (revocable trusts and others). These transfers are treated as part of the decedent's estate, although such assets are not part of the "probate" estate. 13 The second category of transfers generally includes outright gifts such as irrevocable trusts or direct gifts and are not included in the decedent's estate. It should be noted that lifetime transfers can be essential to the computation of tax liability under the current unified transfer tax structure. 14 Our measure of wealth is also defined to include proceeds from life insurance policies not owned by the decedent and not included in the gross estate (reported on Form 712 by insurance companies). It is not unusual for a person to pay the premiums on policies owned by the spouse, children, or trusts formed to their benefit.

Table 1 provides a summary of selected statistics for all observations in the sample as well as those with charitable bequests. The average disposable wealth of decedents is about \$1.9 million. About 31 percent are widowed and slightly over 50 percent are married. Almost 10 percent are age 90 or over, and those in their 80s, 70s, and 60s each make up 20 percent of the sample. The average charitable bequest is about \$190,000. The average is greatest for foundations and lowest for social welfare organizations and the arts and humanities. The average number of categories of bequests is 0.341. Individuals in this sample face a first-dollar tax price of 0.75. The second column in Table 1 provides mean statistics conditional on giving. It shows that an individual with charitable bequests is on average wealthier, older, is female, and faces a lower tax price with a mean of 1.8 categories of bequests.

IV. Empirical Estimates of Bequests

Fewer than 20 percent of the individuals in the sample made bequests to charity. In the case of certain categories of bequests, fewer than two percent gave anything (arts and humanities). Hence, limited dependent variable methods are appropriate. Following standard practice, it is assumed that the observed bequest, Y, takes the form:

$$Y = \beta_i' x_i + u_i \mid \text{if } \beta_i' x_i + u_i > 0$$
 (6)

$$= 0 \quad | \text{ if } \beta_i' \mathbf{x}_i + \mathbf{u}_i \le 0 \tag{6'}$$

where x_i represents explanatory variables with β_i' coefficients, and u_i is a censored normally distributed error term. Given these assumptions, (6) can be estimated using the Tobit model. This is done for total bequests as well as bequests to six categories of donees.

The dependent variable is defined as the natural logarithm of bequests (plus 1). The right-hand-side variables x_i include the log of wealth, dichotomous variables for marital status, age, and gender, as well as the log of the tax price (1 minus the tax rate). While other variables such as the income of survivors (see Becker and Tomes 1979. p. 1156) and their relationship to the decedent, religious affiliation, education, and occupation among others, may significantly influence the amount of giving, the SOI data do not contain such variables for all filers. 15 Conceivably, age and marital status may act as proxy for the number of survivors, while additional variables used, such as the shares of life insurance and family businesses (non-corporate business and farms) in "bequeathable" wealth, along with the demographic variables, may capture the endowments or the dependence of the survivor on the decedent's lifetime income, especially in the case of the spouse.

Table 2 presents the estimates from Tobit regressions. It reports the regression coefficients and their respective t-tests as well as other relevant statistics at the bottom of each table. The following is a summary of the results:

Wealth: As measured by the disposable estate, wealth has positive effects on total bequests. Wealth also influences bequests to the arts and humanities, education-scientific organizations, social welfare or-

TABLE 1
SUMMARY STATISTICS FOR SAMPLE OF ESTATE TAX RETURNS

	[tem	Mean	Conditional Mean	
Ţ	Vealth	1905900	2582600	•:
	<i>ln</i> Wealth	14.018	14.220	
	Vidow	0.305	0.514	
	Single	0.072	0.148	
	Separated	0.002	0.002	
I	Divorced	0.051	0.045	
	Age over 90	0.095	0.217	
	Age 80 to 90	0.239	0.390	,
· A	Age 70 to 80	0.207	0,221	
	Age 60 to 70	0.216	0.103	
	Sex (male)	0.639	0.486	
	Insurance Share of Wealth	0.094	0.027	• •
	Business Share of wealth	0.056	0.030	
	First-dollar_Price	0.748	0.584	
	ast-dollar Price	0.767	0.680	•
-	In First-dollar Price	-0.333	-0.559	. •
	In Last-dollar Price	-0.307	-0.429	• (
I	Bequests:			
*	Total	189910	1003200	•
	Arts & Humanities	10876	57456	
	Religious	15127	79914	,
	Research	45804	241970	•
	Social Welfare	9316	49214	
	Foundations	76436	403790	
	Other	32347	170880	
	In (Bequests):		•	
_	Total	2.078	10.975	
	Arts & Humanities	0.197	1.039	
	Religious	0.991	5.236	
	Research	1.101	5.817	
	Social Welfare	0.294	1.551	•
	Foundations	0.317	1.676	
	Other	0.602	3.179	
N	Jumber of Categories	0.341	1.800	
	or or orderories	0.341	1.000	•

ganizations, foundations, and other categories of giving. Interestingly, wealth does not significantly influence bequests to religious organizations but greatly influences giving to education-scientific organizations followed by foundations and other categories. The elasticity of bequests with respect to wealth is 0.23, toward the lower end of the 0.18 to 0.42 range reported in Clotfelter (1985, Table 6.9). It is lower than the 0.4 estimate in Barthold and Plotnick as well as Boskin's estimates of 0.52 to 1.1 using 1957–59 data and 0.4 using 1969 data.

Marital Status: Consistent with previous findings, single decedents leave larger bequests to charity than their mar-

ried counterparts. In the case of social welfare, divorced and separated decedents are also found to leave greater bequests to charity. The bequests of widowed decedents are about the same as those of married decedents. The expected bequests of single decedents exceed those of married decedents by a factor of 2.3. The expected beguests of separated and divorced decedents are about the same as those of married individuals, except for giving to other categories.¹⁷ Generally. these results are consistent with those in Clotfelter (1985), partially consistent with those in Barthold and Plotnick (1984), and different from those in Boskin (1976).

Age: Again consistent with the existing

literature, charitable bequests rise with age. Those in their 90s gave 40 percent more than those in their 80s; those in their 80s gave 36 percent more than those in their 70s; and those in their 70s gave 76 percent more than those in their 60s. These results are consistent with those in Clotfelter (1985). Boskin (1976) reported that those under the age of 65 contributed less to charity, while Barthold and Plotnick (1984) failed to find a significant relationship.

Sex: Women bequeath more to charity than men. 19 This is true for total bequests as well as bequests to individual categories. An exception is bequests to foundations, where sex is found to be insignificant. The expected total bequests of male decedents are about 17 percent below those of female decedents. This result is similar to that in Clotfelter (1985) but different from that in Barthold and Plotnick (1984). Boskin (1976, p. 39) found that sex was not an important determinant of bequest behavior.

Price: The coefficient on the price variable is negative and significant in all the regressions. The elasticity for total bequests is estimated at -3.00, slightly larger (in absolute value) than that of -2.79 in Clotfelter (1985). For the various categories of bequests, I find giving to the arts and humanities, social welfare, and foundations to be the least price sensitive.²⁰ Overall, these results confirm the earlier findings in McNees (1973), Boskin (1976), and Clotfelter (1985) on the tax-induced effects of bequests, and contradict the findings in Barthold and Plotnick (1984). The findings on foundations also contradict the conjecture of a high elasticity in Boskin (1976, p. 44)²¹ The 1969 Act, of course, changed the tax treatment of foundations, which could explain some of the difference.

Other variables: The expected bequest declines with the life insurance and family business shares of wealth. Insurance policies are purchased to provide for the well-being of the surviving spouse and other heirs, and, as such, the greater the relative proceeds from life insurance policies the smaller is the charitable be-

quest. Similarly, individuals with family businesses and farms have a strong affinity to keep such entities within the family and, as a result, leave less to charity.

V. Bequest Incompleteness

Undoubtedly, the congressional intent for allowing a deduction for charitable bequests, coupled with the tax-exempt status of recipient organizations, is to promote giving to all such entities. Yet, our data show a lack of diversification in the categories of bequests. Of the 13,492 estates in our sample, 2,554 estates had bequests. Of these, 1,307 reported one category of beneficiary, 693 reported two categories, 365 reported three categories, 142 reported four categories, 41 reported five categories, and 6 reported six or more categories.

This section focuses on the observed incompleteness of giving (or lack of diversity in bequests). The data show that most bequests benefit at most one or two categories of charitable organizations. This is not only puzzling but has interesting implications given congressional intent. The central issue that needs to be addressed is whether the number of categories of bequests is responsive to the tax price and the deductibility of charitable bequests. Another issue, of course, is why there is so little diversification to begin with, and why altruism is limited to one or two types of charities.

The only study to come close to addressing this issue is Barthold and Plotnick (1984) based on probate data from the 1930s and 1940s for Connecticut decedents. They presented a model of "categorical choice" (pp. 231–233) and estimated multinomial logit equations for five groups giving to zero, one, two, three, or four categories of bequests. Barthold and Plotnick's results (Table 5) indicate that while the estate tax and size of estate may increase the odds of giving, the tax price and wealth are not significant determinants of the number of categories of bequests.

To address determinants of the number of categories of bequest and validate the

. 1957 - 19

TABLE 2 TOBIT ESTIMATES OF CHARITABLE BEQUESTS DEPENDENT VARIABLE = ln (1 + BEQUESTS)

	Arts and Total Humanities	Religious	Ed., Med. Research	Social Welfare	Foundations	Other
Constant	-48.405 * -122.292 12.557 8.893	* -27.321 5.129	* -59.646 * 10.318	-85.951 ·	* -157.842 * 11.848	-78.563 * 9.773
In Wealth	1.610 * 4.541 5.870 5.020		1.735 * 4.245	1.972		2.259 * 4.045
Widow	0.897 -0.567	0.739	0.894	1.317	0.603	1.930
Single	8.507 * 12.395	* 6.804		11.103		1.743 9.004 *
Divorced	12.473 5.709 0.809 0.343	7.475 0.054	8.828 0.125	5.967 4.279	5.438 5.323	6.569 4.118 *
Age Over 90	0.929 0.111 11.246 * 8.387	* 12.873	0.095 * 10.158 *	1.749	1.917 * 13.778 *	2.405 12.362 *
Age 80 to 90	14.372 3.113 8.703 * 6.832	11.649	8,830	6.128 14.227	4.927	7.386 10.177 *
5.7	12.485 2.743	10.554	7.321	5.645	4.518	6.600
Age 70 to 80	6.511 * 3.407 9.305 1.332	8.009	5.110	10.885 4.292	2.721	6.671 * 4.274
Age 60 to 70	2.460 * 1.310 3.485 0.489	2.956	1.257	5.997 2.290	0.834	3.261 * 2.038
Sex	-1.292 * -5.794 3.261 4.245	* -1.301 2.496	* -1.938 ** 3.307	-2.324 2.150	* -0.753 0.573	-1.629 * 2.075
Insurance	-5.023 * ;,-14.197		* -4.354	-22.808 · 2.347	* -5.626	-12.608 * = 5
Business	2.998 1.611 -4.349 * -13.548	* -4.827 ·		-6.428	0.825 -1.858	2.677 -6.490 *
In Price	3.308 2.225 -21.416 * -27.143	2.557 * -17.881	3.742 * -23.009 *	1.552 -21.256	0.486′ * -30.933; *	2.253 -23.371 *
- Sigma	20.791 6.467 13.275 * 20.832		14.420 * 16.544 *	6.516 20.048	8:002 * 23:035 *	10.235 18.404 *
	59.194, 17.806	42.345	42.123	21.903	20.929	31.125
Log-Likelihood	-13368 -1942 -1.08 -2.46	-8185 -1.49		-2818	-2594	-5111 -1.88
, F(Z)	0.1401 1 0.0069	0.0681	-1.49 0.0681	-2.26 0.0119	-2.30 0.0107	0.0301
Observations Number Positive	13492 13492 2554 267	13492 1401		13492 401	13492 364	13492 781
* Significant coefficients.	at least at the	5% level. A	Absolute t-	statistic	s are report	ted below
Elasticities: Wealth Price	0.23 0.03 -3.00 -0.19	-0.03 -1.22	0.12 -1.57	0.02 -0.25	0.07 40.33	0.07
Ratios: Widow	13.480.48	5.2%	6.3%	1.6%	0:6%	6.0%
Single Divorced	229.38 8.98 12.08 0.28	58.9%	81.9%	14.18	13.4%	31.18
Age 90 over 80	42.8% 1.1%	16.6%	19.3%	2.5%	2.3%	6.8%
Age 80 over 70 Age 70 over 60			16.5% 31.2%	4.1% 6.0%	5.0% 5.3%	11.1% 10.8%
Sex	-16.6% -3.9%	-8.5%	-12.4%	-2.7%	-0.8%	-4.8%

congressional intent, I estimate a multinomial logit model. Since seven outcomes are possible, the bivariate logit model, of course, is not appropriate. Table 3 provides results from multinomial logit regressions on the number of categories of giving. The number of donees ranges from one to six or more, with the coefficients for no bequests set to zero. The results show that the tax price variable is highly significant and has a negative sign consistent with the Tobit results earlier. Furthermore, the coefficient on the price increases in absolute value as one moves from column 1 to column 6 of Table 3. Apparently, the estate tax by inducing bequests also leads to an increase in the number of donees. Generally, and consistent with the Tobit results above, the number also rises with wealth and age as evident from the size and sign of their respective coefficients. Furthermore, women (up to four categories) as well as single (up to five categories) individuals seem to give to a larger number of donees.

A reasonable alternative to the multinomial logit model is to apply econometric methods associated with count data such as the Poisson model. Here, the dependent variables Y_1 through Y_7 , with

TABLE 3
DETERMINANTS OF THE NUMBER OF CATEGORIES OF CHARITABLE BEQUESTS

			inomial Log				
		Nu	mber of Cat				Poisson
	1	2	3	4	5	6	Model_
Constant	-5.146 *	-7.410 *	-10.825 *	-13.536 *	-35.378	-29.505	-4.579 *
	7.349	7.723	8.972	6.770	0.006	0.006	13.731
<i>ln</i> Wealth	0.070	0.147 *	0.337 *	0.414 *	0.517 *	0.076	0.096 *
	1.374	2.095	3.876	2.797	2.070	0.104	3.948
Widow	-0.031	0.225	0.131	0.142	0.301	-1.112	0.077
	0.317	1.675	0.727	0.471	0.571	0.969	1.601
Single	0.890 *	1.329 *	1.301 *	1.943 *	2.301 *	0.806	0.815 *
01610	7.400	8.356	6.005	5.921	4.127	0.580	14.696
Divorced	-0.192	0.409 *	0.218	0.466	0.735	-17.589	0.143
DIVOLOGO	1.163	1.974	0.701	0.983	0.859	0.002	1.784
Age Over 90	1.517 *	1.835 *	2.540 *	2.321 *	20.192	17.896	1.478 *
ge over ye	11.379	9.653	8.636	4.640	0.003	0.003	20.246
Age 80 to 90	1.130 *	1.617 *	1.877 *	2.224 *	19.991	17.026	1.294 *
60 00 00 30	9.441	9.261	6.581	4.635	0.003	0.003	18.728
Age 70 to 80	1.017 *	1.063 *	1.574 *	1.179 *	19.489	17.257	1.004 *
ngo , o co oo	8.400	5.780	5.408	2.285	0.003	0.003	14.054
Age 60 to 70	0.444 *	0.488 *	0.372	0.831	18.178	-0.249	0.434 *
ingo oo oo yo	3.419	2.454	1.088	1.524	0.003	0.000	5.499
Sex	-0.141 *	-0.147	-0.444 *	-0.898 *	-0.296	-1.130	-0.215 *
	2.024	1.611	3.552	4.403	0.840	1.153	6.475
In Price	-2.913 *	-2.998 *	-2.803 *	-3.847 *	-5.179 *	-9.135	-2.482 *
	15.298	10.480	7.338	5.081	3.332	1.920	23.675
T = = T #11 #1 #	9202						- 9066
Log-Likelihood	- 8203 13403						13492
Observations	13492	693	365	142	41	6	2554
Number Positive	1307	093	رور	142	41	0	2334

^{*} Significant at least at the 5% level. Absolute t-statistics are reported below coefficients.

values ranging from 0 through 6 types of donees, are assumed to have independent Poisson distributions with parameters λ_1 through λ_7 . The probability of Y_i equal to some value j, is given in (7):

$$Prob(Y_i = j) = e^{-\lambda i} \cdot \lambda_i^j / j!$$
 (7)

Further assuming that the lambda's are log-linearly dependent on x_i , the right-hand-side variables, then

$$ln \lambda_i = \beta_0 + \Sigma \beta_i x_i. \tag{8}$$

The results from this Poisson regression reported in Table 3 are qualitatively similar to those obtained from the multinomial logit. The number of categories of bequests rises with wealth and declines with price. The elasticity of the expected number of categories is 0.1 with respect to wealth and about -2.5 with respect to price. The expected number is also higher for single as well as female individuals, and rises with age. Similar results were obtained when censored Poisson and binomial regressions were estimated (not reported).

Both the multinomial logit and the poisson models provide evidence on the effects of the estate tax price on diversity in bequests. The coefficients in the logit model are significant except for the number of donees being equal to six or more (only 6 such cases exist). Similarly, the tax price coefficient from the Poisson model again suggests that the estate tax deduction reduces the degree of incompleteness in giving and leads to greater diversity in bequests.

VI. Conclusion

This paper examined the role of the estate tax in influencing the amount as well as the diversification of charitable bequests for wealthy individuals. It used estate tax data for decedents in 1986 with returns filed during the years 1986 through 1988. It studied the determinants of bequests in the aggregate as well as by type of donee. The paper also ad-

dressed the effects of the estate tax on the diversity of charitable bequests.

The results suggest that higher estate tax rates raise the size of charitable bequests of all categories. Furthermore, results from multinomial logit and Poisson models indicate the estate tax and the deductibility of bequests lead to a diversification in giving. These indicate that the tax price is a significant determinant of the number of categories of bequests.

ENDNOTES

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¹See Johnson (1990, p. 56), Office of Management and Budget (1987, I-Z73-77) and U.S. Department of Commerce (1988, p. 225).

²See Clotfelter (1985, Table 2.12) and Fullerton (1990, p. 18-22) for a review of the literature.

³See Office of Management and Budget (1991, A-75).

⁴See Becker and Tomes (1976 and 1979). Also see Kotlikoff (1988, p. 53).

⁵His utility may also be determined by donations by others (R) as well government spending (G). See Kingma (1989) for a review of the literature on the crowding-out effect of government spending, the effect of donations by others, and the various models of giving. It should be noted that since a portion of government spending is in the form of matching grants, G may operate through the price of giving as well.

 6 Both W and W_H are held constant. Estate taxes, however, may affect the labor supply behavior of both parents and children.

⁷Since the gift tax is exclusive, the proper price should be 1 + e and not 1/(1 - e) as in Boskin. Consider a parent with e = 0.50 making a gift of \$1.00 to his daughter. In this case the tax is \$0.50 and is paid by the parent. The daughter receives \$1.00 and Treasury receives \$0.50. The total transfer is actually \$1.50, but the tax is based on \$1.00, in sharp contrast to the way tax liability is computed under the income and estate taxes. In this example, the price of a \$1.00 gift is \$1.50 and not \$2.00 as it would be under Boskin's measure. Another potential adjustment may capture the differential in the income tax rates between parent and children subjected to income streams from gifted assets. See Bernheim (1987). A further adjustment may involve the tax treatment of capital gains, since step-up in basis is provided for bequeathed property but denied for liftetime transfers.

⁸See Johnson (1990) for further detail.

⁹Life insurance proceeds excluded from estate are obtained from Form 712 reported by insurance companies to the IRS.

Note that the empirical results presented below

are robust with respect to these deletions.

¹¹Unlike the income tax, the federal estate tax provides dollar-for-dollar credit for state death taxes and smooths out (eliminates in most cases) cross-state differences in tax burdens. In any event, computing state tax liabilities is an extremely difficult task. For states with a "pick-up" tax only, the computation is straightforward and essentially redundant. For the remaining states, however, one does not only have to consider the diverse tax treatment of wealth transfers but also has to identify the location of the property. The state tax liability reflects the size of wealth, the relationship to heirs (in case of inheritance taxes), and the state in which the property is located and whether it is tangible or intangible, since states tax property located within their borders. It should be noted that 24 states and the District of Columbia have a "pickup" tax only, 7 have estate and "pick-up" taxes, and 19 have inheritance and "pick-up" taxes (or allowable federal credit for state death taxes). See Advisory Commission on Intergovernmental Relations (1988). For the less wealthy, especially those not required to file federal tax returns, state taxes may influence bequest behavior since the federal tax credit may not be available.

¹²Interestingly, this treatment is ignored in studies investigating the determinants of IRA contributions and effects on savings. See Skinner and Feenberg (1990) for a review of the literature.

¹³ Aside from excluding certain assets such as those in trusts, probate data also suffer from valuation deficiencies necessary to computing estate tax liabilities.

¹⁴If the unified credit is fully used in reducing an individual's gift taxes, then wealth held at death will not benefit from the exemption.

¹⁵Select information on heirs is available for estates with assets of \$5 million or more.

 $^{16} Elasticity$ coefficients are estimated as $F(z)^*b$, where F(z) computed as $\Sigma B_i X_i/Sigma$ is the cumulative normal distribution representing the probability of observing a bequest >0, b is the Tobit regression coefficient for the right-hand-side variable of interest, B_i represents each of the reported coefficients, and each X_i is the value of the right-hand-side variables at the mean. See McDonald and Moffitt (1980).

 $^{17} These \ ratios \ are \ reported \ at the bottom of Table 2 and are computed as <math display="inline">e^{F(z)b}.$

¹⁸These ratios are computed as $e^{F(z)(b_i-b_i-1)}$, where i is an age class and i - 1 is the previous (younger) class.

¹⁹A possible explanation for this outcome is that women on average have fewer (dependent) heirs since

they tend to outlive their spouses.

²⁰Since the regressions are specified in nonlinear form, the elasticities from the separate regressions cannot be aggregated to the total. We have explored the estimation of a system of demand equations for the six categories (the 7th missing equation is bequests to heirs) to constrain the regressions. Such endeavor has proven very difficult given the number of categories and the severe censoring nature of the data (see Deaton 1986, p. 1808, for instance). When we used

a linear specification, the following price elasticities for total bequests and the six separate categories were obtained:

$$-0.70 - 0.49 - 1.22 - 1.18 - 0.61 - 0.26 - 0.80$$

where the elasticity coefficients of the separate categories roughly aggregate to that of the total. Note that the wealth elasticity under the linear specification, though significant, is about 0.02. Also see Clotfelter (1985, p. 245). Results from semi-log specified regressions were not dramatically different from those reported in Table 2.

²¹Bequests to foundations were combined with "other" bequests in the 1957–1959 data used in Boskin (1976). The finding of a high elasticity (-1.8 to -5.20) for the "other" category was implicitly attrib-

uted to private foundations.

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Factors Affecting Charitable Giving: Inferences From Estate Tax Returns, 1986

by Barry W. Johnson and Jeffrey P. Rosenfeld, Ph.D.

INTRODUCTION

Analysis of Federal Estate Tax Returns (Forms 706) filed for 1986 decedents shows the interplay of social and economic factors on bequest decisions. Data from 706 returns show that marital status, gender and social class are important predictors of charitable giving. These factors, coupled with individual values and beliefs, predispose a person to make a charitable bequest. Tax incentives can also affect the amount given, as well as the timing and form of such bequests.

Total giving to charities in 1986 was nearly \$92 billion, or about 2 percent of the Gross National Product (AAFRC, 1987: Giving USA: Estimates of Philanthropic Giving in 1986 and the Trends They Show). The majority of these gifts were given by individuals, both directly (82.2%) and through bequests (6.7%). Total bequests to charities amounted to \$6.2 billion in 1986. These bequests can have a significant impact on recipient organizations.

Data on the charitable bequests of wealthy decedents dying in 1986 are presented in Table 1 [1]. As a group, these "top wealthholders" gave \$4.1 billion, and accounted for about 71 percent of all such bequests made by U.S. decedents (Giving USA, 1987). Nine percent of the estate tax decedents made gifts of \$1 million or more. These large gifts totalled nearly \$3 billion, or about 72 percent of the charitable bequests made by top wealthholders. The majority of the remaining decedents represented in Table 1 made bequests of less than \$250,000. Even so, the sum of these "small" bequests was over \$200 million. It is no wonder that organizations expend considerable fund raising effort to garner bequests.

Table 1. — 1986 Decedents, Charitable Bequests by Size of Bequest [All figures are estimates based on samples-money amounts are in thousands of dollars]

i	Decedents ¹		Bequests	
Size of Bequest	Number	Percent	Amount	Percent
Total	8,990	100.0%	\$4,146,944	100.0%
Under \$250,000	6,491	72.1	207,147	5.0
\$250,000 Under \$500,000	645	7.2	235,994	5.7
\$500,000 Under \$1,000,000	1,039	11.6	723,519	17.4
\$1,000,000 Under \$10,000,000	778	8.7	1,680,865	40.6
\$10,000,000 or More	37	0.4	1,299,418	31.3

¹Includes all U.S. estate tax decedents making charitable bequests, with net worth of \$500,000 or more.

1986 DECEDENTS

The bequest data examined in this article were gathered by the Internal Revenue Service's Statistics of Income Division (SOI). SOI samples estate tax returns annually in order to evaluate the effects of tax policy and to provide annual estimates of the financial characteristics of estate tax filers. Currently, an estate tax return must be filed within 9 months of a decedent's death; a six-month extension is available beyond that. Thus, returns for a particular year of death may be filed over a period of several years. This article presents data from returns filed in 1986-1988, focusing on 1986 as the year of death. A Federal estate tax return was required for all 1986 decedents with at least \$500,000 in total gross estate at the time of their death; the top tax rate was 55 percent.

There were an estimated 45,800 U.S. citizens who died in 1986 with gross estates above the \$500,000 filing requirement, representing only about 2.2 percent of the U.S. decedent population [2]. These decedents had a combined gross estate of over \$66 billion. Over 56 percent of them were male, most of whom were married; most of the female decedents were widowed. The average age at death for males and females was 73.8 and 79.5, respectively.

Almost 20 percent of these 1986 decedents made bequests to charitable organizations. These bequests accounted for slightly over 24 percent of their net estates. (Net estate, or net worth, is defined as total assets, including life insurance owned by the decedent and certain lifetime transfers, minus debts [3].) The average (mean) bequest amount was \$461,000. The minimum bequest value was \$100 and the maximum, well over \$150 million. Gender and net worth are the two most important variables for predicting the value of bequests.

Female decedents were almost twice as likely as males to make bequests to charitable organizations. Table 2 shows that their rate of charitable giving exceeds the rate for men and also exceeds the aggregate rate for all decedents. It also illustrates that, regardless of sex, the likelihood of making a charitable bequest increases significantly as net worth rises.

Table 2. — Charitable Donors as a Percent of Estate Tax Decedents by Sex and Size of Net Worth, 1986

[All figures are estimates based on samples]

	A Dece	ll dents¹ ·	Ma Deced	-	Female Decedents ¹	
Size of Net Worth	Number	Percent	Number	Percent	Number	Percen
Total	8,990	20.4%	3,766	15.2%	5.224	27.09
\$500,000 Under \$1,000,000	5,054	18.1	1,903	12.8	3.151	24.1
\$1,000,000 Under \$2,500,000	2,668	22.0	1,196	16.5	1.472	30.2
\$2,500,000 Under \$5,000,000	739	27.7	366	20.8	373	41:0
\$5,000,000 or More	529	39.6	302	35.1	227	47.8

Includes all U.S. estate tax decedents making charitable bequests, with net worth of \$500,000 or more.

Almost half the women and 35 percent of the men in the highest net worth group made bequests to charities. This may be due to the ability of larger estates to adequately provide for family members and make a significant gift, or to the lower cost of charitable giving incurred at the higher tax rates.

While the likelihood of making a charitable bequest increases significantly with the size of net worth, regardless of sex, Table 3 suggests that net worth does not substantially influence the relative amount given by female decedents. Women, on average, give about 24 percent of their net estates. The charitable giving of male decedents is more sensitive to net worth. Their giving, as a percentage of net estate, almost doubles, from 16 percent for those in the lowest net worth category, to 30 percent in the highest. Interestingly, while women are more likely to make a charitable bequest, and those with net worth less than \$5 million gave more than men, men in the largest net worth category gave away a larger percentage of their estates.

Marital Status

Married decedents of both sexes were the least likely group to make a charitable bequest; their bequests, as a percentage of net worth, were also the smallest, averaging about 14 percent for females and 19 percent for males (see Table 4). Widowed decedents were more than twice as likely to make charitable gifts, giving away just over 23 percent of their net estates. Single decedents were the most likely to make be-

quests and gave the largest percentage of their estates. It is worth noting the difference in the bequest behaviors of separated or divorced male and female decedents. The amount given by males in that group resembles that of their married counterparts, while the amount bequeathed by separated or divorced females parallels the behavior of widows.

The data in Table 4 indicate that a greater percentage of women make these bequests. The large percentage of widowed women can be explained by the fact that married women often outlive their husbands. The charitable giving of widows often represents the bequest desires of both spouses. They choose to make their charitable gifts after the death of the second spouse, having first provided for dependents and taken full advantage of the unlimited marital deduction.

Today's cohort of wealthy women age 65 and over tend to be very traditional and, as a result, may be more fiscally conservative (Odendahl, 1987). They tend to allow financial advisors to have a large role in their money management (Odendahl, 1987). They are also more likely to make lifetime gifts, as well as charitable bequests because very wealthy women have traditionally been more involved with philanthropic activities than either men or their less wealthy counterparts.

The above observations seem consistent with the findings of other researchers (see, for example, Joulfaian, 1990 and

Table 3. — Charitable Bequests as a Percentage of Net Worth, by Sex and Size of Net Worth, 1986 [All figures are estimates based on samples--money amounts are in thousands of dollars]

	All Dece	dents ¹	Male Dec	edents ¹	Female Decedents ¹	
Size of Net Worth	Amount ·	Percent	Amount	Percent	Amount	Percent
Total	\$4,146,944	24.3%	\$2,159,824	24.5%	\$1,987,120	24.1%
\$500,000 Under \$1,000,000	704,496	20.1	220,774	16.3	483,722	22.5
\$1,000,000 Under \$2,500,000	883,421	22.0	342,501	18.9	540,920	24.6
\$2,500,000 Under \$5,000,000	577,015	22.6	267,651	21.2	309,365	24.0
\$5,000,000 or More	1,982,012	28.5	1,328,898	30.4	653,114	25.1

Includes all U.S. estate tax decedents making charitable bequests, with net worth of \$500,000 or more.

Table 4. — Donors As A Percentage of All Estate Tax Decedents, Gifts As A Percentage of Net Worth, By Sex and Marital Status, 1986

	Al Deced	-	Ma Deced		Fernale Decedents ¹	
Marital Status:	% Donors	% Given	% Donors	% Given	% Donors	% Given
Total	20.4%	24.3%	15.2%	24.5%	27.0%	24.1%
Married	9.6	18 1	9.2	19.1	11.4	13.8
Widowed	283	24.0	26.9	25.8	29.0	23.3
Single	42.7	43.7	32.2	46.0	56.0	40.6
Divorced/Separated .	18.5	22.0	15.8	16.2	22.4	28.6

1Includes all U.S. estate tax decedents making charitable bequests, with net worth of \$500,000 or more.

Boskin, 1976). While Boskin found that sex was relatively unimportant, he notes that marital status, particularly the difference between married and unmarried decedents was statistically significant. A surviving spouse and dependents take precedence over charitable bequests, particularly among younger decedents.

Age

The size of charitable bequests, relative to estate size, increases with the age of the decedent (see Table 5). As potential heirs age and develop their own fortunes, benefactors are freer to substitute charitable for non-charitable beneficiaries. The 1986 decedents in our sample who were under 60 years of age gave almost 14 percent of their net estate to charity. Those in their 70's gave nearly 60 percent more than those in their 60's. Decedents in their 80's gave about 5 percent more than those 10 years their junior. Those in their 90's gave an additional 7 percent over the octogenarians. The relationship between age and giving, as with that of sex and giving, must be interpreted cautiously, however. The potential collinearity of these variables with marital status blurs the separate influences of these factors on philanthropic decisions.

Beneficiaries

For analytical purposes, bequests to recipient organizations were placed into one of the following categories: Arts and Humanities; Religious; Educational, Medical or Scientific; Social Welfare; Private Foundations; or Other. In 1986,

Table 5. — Number of Benefactors, Net Worth, Charitable Bequests and Bequests As A Percentage of Net Worth, By Age At Death [All figures are estimates based on samples—money amounts are in thousands of dollars]

Age At Death	Number ¹	Net Worth	Bequest	Percent
Total	8,990	\$17,033,439	\$4,146,944	24.3%
Under 50	64	99,650	13,627	137
50 Under 60	185	399,368	53,855	13.5
60 Under 70	. 701	1,139,199	171,688	15 1
70 Under 80	2.007	4,545,496	1,097,118	24.1
80 Under 90	3.820	7,013,895	1,772,626	25.3
90 And Older	2,212	3,835,830	1,038,030	27.1

*Includes all U.S. estate tax decedents making charitable bequests, with net worth of \$500,000 or more.

foundations received almost \$1,228,233, including 63 percent of the largest gifts (those of \$10 million or more), while organizations involved with education or medical and scientific research, usually private colleges and universities, were the favored beneficiaries of estates making smaller contributions. Religious organizations received bequests from the greatest number of decedents, but ranked fourth in the amount received.

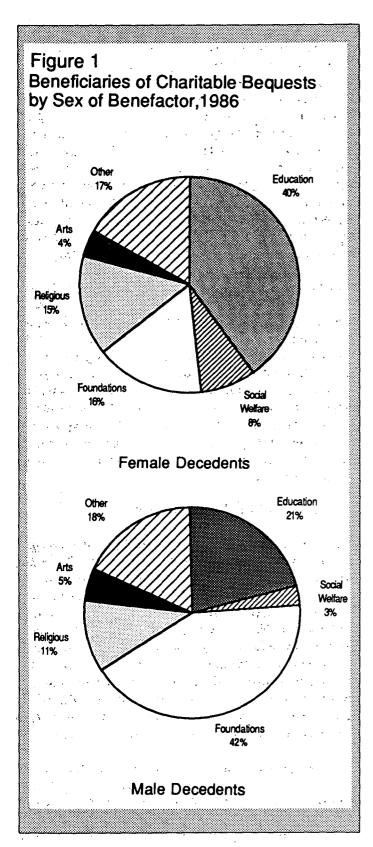
Approximately 42 percent of bequests from male decedents went to private foundations (see Figure 1) [4]. Educational, medical or scientific organizations were their second most frequent recipients. Forty percent of the bequests made by female decedents went to educational organizations. They also gave more to religious organizations than men. Foundations ranked third on the list of charitable beneficiaries.

ATTITUDINAL FACTORS

The decision to make a charitable bequest is shaped by economic, social, and psychological factors. Boskin (1976), writing on motives for charitable giving, identifies the following economic factors: savings and consumption habits, lifetime gifts, lifetime contributions, and non-charitable bequests. The tax treatment of contributions affects the relationship of these factors. Along with these economic considerations are social factors which impact on charitable giving. The testamentary behavior of wealthy people is shaped by social norms and values (Schervish, 1986), community standards and peer pressures, as when, for example, charitable giving becomes a way of "Keeping Up With The Joneses" (Rosenfeld, 1991).

There is also a psychological component to charitable giving. Survey data show that many wealthy benefactors give out of desire to share their wealth with others who are less fortunate. Gifts are made to organizations involved with issues of personal interest or concern to the donor. Values instilled through religious involvement seem to play an important role for these donors. Consistent with this theme is the finding that people who make charitable bequests frequently believe in the efficacy of individual effort, rather than government, to address social problems (Boris, 1987).

On the other hand, bequests to colleges, museums, or hospitals are often motivated by what psychologist Eric Erikson has called "generativity": the desire to build something which will perpetuate the work or memory of the donor, or the donor's family (Erikson, 1950; 1982)[5]. Charitable giving can also be less than altruistic, as when motivated by guilt. There are also pragmatic motives for charitable giving. These include bequests to organizations (such as colleges or



universities) from which a business or a family will benefit (Schervish, 1987). Whatever the motive, the decision to make a charitable bequest typically occurs late in life for most wealthy individuals.

Sociological research confirms that top wealthholders put their energies into acquiring and accumulating wealth until relatively late in life. Only after they feel financially secure -- often at about the time they contemplate retirement -- do they become more involved with the social, political and philanthropic causes which will eventually motivate their charitable bequests (Rosenfeld, 1980, 1991).

Foundations

Foundations are typically formed by white, Protestant males over the age of 50 who are married and have children. Most were set up in the 1950's and 60's, although some continue to be formed today, primarily through bequests. The Survey on Foundation Formation, Growth and Termination found that the primary reason for establishing a foundation was to have a means of giving systematically in an area philosophically important to the founder (Odendahl & Boris, 1986). It is also a way of maintaining control over the uses of their contributions. There are a variety of other motives for setting up a foundation. Among these are concern for the welfare of others, feelings of social responsibility, and tax considerations.

Foundation formation may be particularly sensitive to changes in tax rates (Boskin, 1976). The decline in foundation formation following the 1969 Tax Reform Act, which eliminated some of the tax advantages afforded gifts to foundations, may reflect this economic fact. Ever since 1969, wealthholders have established fewer foundations, but continue making bequests to existing foundations. The costs involved in setting up a foundation, both in terms of personal involvement and capital, in the absence of tax advantages, has encouraged wealthholders to make bequests to existing foundations while finding other ways to achieve their lifetime philanthropic goals.

THE CHARITABLE DEDUCTION

There has been much debate over the effectiveness of the charitable deduction allowed for both the Federal income and estate tax. Economists argue that a significant amount of charitable behavior depends on these deductions. According to this line of reasoning, the tax and the deduction have two opposing effects. First, the tax reduces the estate available for division between potential heirs and charities. This is known as the wealth effect and should have a negative effect on gifts to charity. Second, the deduction reduces the price of giving to charity relative to giving to a non-charity which should encourage charitable giving. This is called the price effect because the price of each additional dollar given to charity, relative to a non-charity, is only \$1- the marginal tax rate (the

amount of tax savings attributable to the deduction) (Boskin, 1976). Thus, in the highest tax bracket, the cost of a dollar given to charity, rather than a non-charity, is only \$.45 (\$1 - .55). The progressive structure of the tax rates suggests that both the wealth and price effects increase with the size of the taxable estate. The magnitude of these effects determines the effect of changes in the tax system on charitable giving (Boskin).

Survey research (Independent Sector, 1990) indicates that tax consequences are not a major consideration when people decide to make charitable gifts. Ninety percent of respondents surveyed in 1986 said they would not change their charitable giving patterns in 1987 in response to the limits placed on both the valuation of assets given to charity and on the relative size of the charitable deduction as a part of the Tax Reform Act of 1986. Only 2 percent of the respondents in the sample attributed their charitable giving to tax incentives, while 37 percent said they gave because of strong feelings toward a particular charity.

A series of focus groups with estate-planning professionals confirm that taxes affect the level and timing of a gift, but not the decision to make a gift. In 1986 and 1989, the Statistics of Income Division of IRS conducted focus groups with estate-planning professionals to discuss a wide range of issues associated with charitable giving. Estate planners, accountants, and bank trust officers who work with affluent clients say that these clients come to them with pre-existing goals concerning charitable bequests. They rarely suggest charitable giving as a tax savings option. This finding is consistent with the survey research mentioned earlier, and helps put taxes, as incentives or constraints on charitable giving, in perspective. They affect timing and level of charitable giving. By examining price elasticities, it is possible to measure this effect.

Empirical Studies

In order to examine the effects of taxes on charitable bequests, a measure of the change in giving associated with a change in the tax rate is needed. This measure is known as the price elasticity of charitable giving. An elasticity greater than 1 (in absolute terms) means that a change in the tax rate stimulates a relatively larger change in the amount bequeathed. In that case, the tax is said to be an efficient means of stimulating behavior. If, on the other hand, the elasticity is less than 1, it can be argued that the deduction is inefficient, as the loss in revenue is not made up by gifts to charity; in this case, charities would fare better if the deduction were abolished, and instead, the government were to distribute tax revenue directly to them.

Several economists have used both Federal estate tax returns and state probate records to quantify the effects of taxes on giving (for a more complete discussion see Joulfaian, 1990, or Clotfelter, 1985). Two separate studies using 1957-59, 1969, and 1976 Federal estate tax data showed a price elasticity of charitable bequests greater than one for small and moderate size estates (Boskin, 1976 & Clotfelter, 1985). Elasticities very close to 1 were calculated for the very largest estates, leading to the conclusion that the tax deduction was efficient for all but the very wealthy. Both concluded that eliminating the deduction would sharply curtail charitable bequests and increase bequests to heirs. A reduction in tax rates would have a similar, although less severe, effect.

Joulfaian (1990) obtained similar results using 1986 data. His research is significant because it suggests that the scope of charitable giving is influenced by tax incentives. Joulfaian found that the number of different charities included in the benefactor's estate-plan increased as the marginal tax rate faced by the estate rose. He also described differential giving (i.e. to the arts, to education, to foundations, etc.) based on marginal tax rates. Between 1976 and 1986 the value of charitable bequests (as described in the following section) declined significantly. Joulfaian's study suggests that the effects of this decline were distributed unevenly across charitable sectors.

Charitable Giving, 1976 and 1986

Tax reforms in 1976 and 1982 have significantly changed the composition of the estate tax population. The filing requirement in 1976 was \$60,000 and the top tax rate was 77 percent. As a result of reforms, the maximum rate was lowered to 55 percent and the filing requirement raised to \$500,000 by 1986, and ultimately to \$600,000 for decedents dying in 1987 and later. The tax law was also modified in several other ways, the most significant being the creation of the unlimited marital deduction, replacing the previous deduction, which was limited to one half the value of the decedent's gross estate. It was predicted that these changes would have a significant impact on charitable bequests.

Table 6 presents selected data for decedents dying in 1976 and 1986 with gross estates of at least \$500,000 in constant 1986 dollars [6,7]. The number of filers in this group and their aggregate net worth increased about 45 percent over the period. The percentage of filers making a charitable bequest has remained fairly stable, declining slightly from just over 22 percent of all decedents in 1976 to nearly 20 percent in 1986. The value of charitable bequests, relative to the size of net worth, however, has declined significantly. In 1976, over 10 percent of aggregate net worth was bequeathed to charities;

Table 6. - Decedents With Estates Valued at \$500,000' or Moro, 1976 and 1986 Years of Death'

[All figures are estimates based on samples-money amounts are in thousands of dollars1]

item	1976 YOD1.2	1986 YOO
Total Number of Filers	31,772	45.800
Aggregate Net Worth	\$45,377,360	\$66,018,791
Filers Making Charitable Bequests	7,020	9,114
Porcent Filers Making Bequoots	22.1%	19.9%
Aggregate Charitable Bequests	\$4,613,320	\$4,152,733
Bequests as a Percent of Net Worth	10.2%	6.3%

¹Constant 1986 dollars.

that percentage fell to just 6.3 percent in 1986. The actual amount given decreased about 10 percent in real terms over the period.

It is certainly an oversimplification to attempt to describe the charitable giving behavior of U.S. decedents solely in terms of the effects of taxes. The fact that only 23 percent of all decedents whose estates' incurred tax liabilities made charitable bequests says that taxation is, at best, an imperfect inducement for philanthropic activity. The above data, however, show that their influence can be significant.

CONCLUSION

The decision to include philanthropic bequests among the beneficiaries of an estate is dependent on many factors. Specifically, a variety of psychological and social influences seem to play a large role. The presence of a surviving spouse and other dependents compete directly with charities as beneficiaries. This is demonstrated by the importance of marital status and, to a lesser degree, age, as a determinant of charitable giving. Decedents with higher net worth are better able to meet these competing needs. The sex of the decedent plays a role as well, particularly in today's cohort of very wealthy older women, where social changes brought about by the women's movement have been less pervasive (Odendahl, 1987). Tax policy also plays a significant role in determining the timing and form of gifts and affects the amount given. Even here, though, net worth, obligations, potential heirs, and the liquidity of the estate are key factors as well.

A number of researchers are currently studying philanthropic behavior by tracking individuals over periods of time, rather than using traditional cross sectional data (see Auten and Randolph, 1990 and Steinberg, 1990). The assumption underlying this approach is that an individual's charitable giving represents a structured, long term goal. Likewise, charitable bequests can best be understood as expressions of giving which had been socially and economically structured earlier in the decedent's life. Future research on charitable giving will make more systematic connections between bequests at the end of a lifetime, and charitable giving throughout life.

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NOTES

- [1] The data presented here are for 1986 decedents who were required to file a Federal estate tax return because their gross estate at the time of death was at least \$500,000. Additionally, returns for decedents with net estates valued at less than \$500,000 have been removed from the sample for this analysis. The charitable bequests examined here are those intended as a deduction from gross estate as reported on Schedule O of Form 706. When there is no estate tax due, as when the unlimited marital deduction is used, small charitable bequests are often omitted from the form, or are reported with the other beneficiary data on page 2 of the return; these will be absent from our estimates.
- [2] Based on the number of deaths of U.S. residents in 1986 as reported by the National Center for Health Statistics.
- Researchers have used various measures of wealth to study charitable giving. These include: total gross estate (Bartold & Plotnick); economic estate - total gross estate minus estate expenses and taxable lifetime transfers; adjusted economic estate - economic estate less the amount of tax that would have been owed in the absence of a charitable bequest (Boskin); and adjusted disposible estate - adjusted economic estate plus taxable lifetime transfers (Clotfelter, Joulfaian). Economic estate most closely approximates the actual estate available for a charitable bequest. However, the expenses related to a decedent's death and the administration of the estate are often reported on the decedent's final income tax return rather than on the Form 706. This may be particularly true when an estate is non-taxable, as when there is a large bequest to the surviving spouse or charity. Therefore, although net worth overstates the amount of estate available for distribution, it has less potential for introducing a bias due to reporting practices.

²¹⁹⁷⁶ year of death to represented by returns filed in 1977.

Table inclues decedents with net worth less than \$500,000.

- [4] Bequests to foundations are ultimately used to support other organizations. For example, in 1986 foundation gave over 2.2 billion dollars to the following types of organizations (expressed as a percentage of their total giving): Welfare 26.9%, Education 21.9%, Health 20.5%, Cultural Activities 14.7%, Social Science 8.8%, Science 6.4%, and Religion 1.3% (Source: The Foundation Grants Index, 18th Edition, Foundation Center, 1989.)
- [5] Erikson says that generativity is an important developmental task during adulthood.
- [6] All dollar amounts were converted to constant 1986 dollars using the implicit price deflator for gross national product, *Economic Report of the President*, U.S. Government Printing Office, Washington, DC, 1990. Only returns with \$500,000 or more of gross estate in 1986 dollars were included.
- [7] 1976 year of death data are represented by data collected during tax year 1977, Statistics of Income-1976, Estate Tax Returns, U.S. Government Printing Office, Washington, DC, 1979.

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Charitable Giving 1963-1990, (Selected Years)

Introduced by Jeffrey P. Rosenfeld, Ph.D.

Data from the Federal estate tax return (Form 706), show important long-term trends and patterns in charitable giving. The following 3 tables provide an overview of decedents and their charitable bequests for selected years, 1963-1990. All of the tables were created using original SOI microdata files. Because of changes in the information reported on the Form 706, and changes in the data items included in SOI studies over the years, some values may not be present in some years. Data items have been chosen which are as conceptually similar as possible, given the length of the time series presented and the many changes in the estate tax law which occurred over the period. All data appear as they were originally published (current dollars) and in constant 1987 dollars (based on the Implicit Price Deflator for GNP); this analysis is based only on the constant dollar amounts.

Table 1 compares charitable giving based on data from Form 706 for selected years, 1963-1990. The table shows net worth and charitable bequests, by sex, making it possible to compare charitable giving by men and women with estates valued at \$600,000 or more (in constant 1987 dollars). In 1963, the gender differences in charitable giving were slight. About 51 percent of decedents leaving charitable bequests were male and 49 percent were female. But by 1990, the gender difference was significantly greater for decedents with estates valued at \$600,000 or more. About 61 percent of decedents making charitable bequests in 1990 were women, and only 39 percent were men. This increase can be partly ascribed to changes in the tax code which allowed for an unlimited deduction from gross estate for property bequeathed to the surviving spouse (typically the female spouse). This creates an incentive to postpone bequests to charities so that such bequests can be used as tax deductions against the surviving spouse's estate. Total net worth for male decedents was typically larger than total net worth for female decedents throughout the 27-year period, but women left proportionately more of their estates to charities during each of the filing years included in Table 1.

Table 2 compares charitable giving for decedents based on sex, marital status and net worth, 1963-1990 (selected years). The data allow comparisons of charitable giving for men and women. Based on data from Form 706, decedents who made charitable bequests were often single. In fact, SINGLE was the modal category of marital status for both male and female decedents during each of the filing years included in Table 2. The proportion of net worth given to charities was very similar between men and women, despite the fact that single men, on average, tended to have greater net worth than single women throughout this time period.

Table 3 compares charitable giving for decedents based on age, sex and net worth. The data, based on Form 706 in selected filing years, show that woman aged 75 and older were more likely to make a charitable bequest than women in any other age group. It also shows that older women, as a group, gave a higher percentage of their net worth to charitable institutions. The pattern is similar for men. Older men were more likely to make a charitable bequest and, of those who made such bequests, older men, as a group, bequeathed a larger percentage of their net worth. Men, regardless of age, were less likely to make charitable bequests than women.

Table 1A.—Charitable Bequests, by Sex of Decedent and Net Worth, in Current Dollars (Money amounts are in thousands)

Filing year		ritable uests	•	let orth		bequests, ales		worth, · ales		bequests, ales		worth, nales
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount -	Number	Amount
1963	11,881	876,030	78,393	16,129,099	5,495	413,123	49,604	10,117,539	6,386	462,907	28,789	6,011,560
1966	13,823	1,195,576	97,321	20,678,977	6,251	558,689	61,508	13,007,319	7,572	636,887	35,813	7,671,658
1970	16,724	2,129,599	133,599	27,967,696	7,544	825,334	83,266	17,396,659	9,179	1,304,265	50,333	10,571,038
1973	21,198	1,989,173	175,363	36,448,018	8,999	914,208	109,246	22,916,977	12,199	1,074,964	66,118	13,531,041
1977	24,396	2,994,964	200,732	45,435,204	11,258	1,952,419	124,411"	29,086,605	13,139	1,042,545	76,320	16,348,599
1983¹	9,023	2,333,990	56,518	41,911,956	3,995	1,097,388	35,025	26,848,126	5,028	1,236,602	21,493	15,063,831
1987	8,987	3,978,020	45,113	62,997,555	3,903	2,026,249	25,664	38,281,516	5,084	1,951,771	19,449	24,716,039
1990	9,993	5,538,523	53,168	83,456,364	3,923	2,578,835	29,201	48,846,321	6,070	2,959,688	23,967	34,610,042

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

Table 1B.—Charitable Bequests, by Sex of Decedent and Net Worth for Returns with Total Gross Estate of \$600,000 or More, in Constant 1987 Dollars

Filling year		itable uests		let orth		bequests, ales		worth,		bequests, nales		worth, nales
. <u> </u>	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
1963	6,167	3,186,130	28,446	46,705,391	3,165	1,537,008	18,787	29,418,865	3;002	1,649,122	9,659	17,286,526
1966	7,185	4,147,296	32,996	55,818,382	3,586	1,989,220	21,647	35,272,772	3,599	2,158,076	11,349	20,545,610
1970	7,669	6,386,560	36,343	59,916,268	3,973	2,467,738	23,963	37,497,636	3,696	3,918,821	12,381	22,418,632
1973	7,809	4,725,977	37,266	59,760,743	3,851	2,236,337	24,258	37,950,887	3,958	2,489,640	13,007	21,809,856
1977	7,174	5,263,495	32,994	48,856,517	3,610	3,644,854	21,648	32,156,044	3,564	1,618,641	11,346	16,700,473
1983'	5,019	2,702,260	28,452	41,413,182	2,295	1,299,709	- 18,279	27,218,038	2,723	1,402,552	10,173	14,195,144
1987	8,441	4,394,526	42,274	68,778,142	3,748	2,246,770	24,157	41,974,526	4,693	2,147,755	18,118	26,803,616
1990	9,607	5,518,339	49,850	81,530,546	3,786	2,568,363	27,424	47,882,753	5,821	2,949,976	22,426	33,647,793

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filling year totals.

Table 2A:--Decedents Making Charitable Bequests, by Sex, Marital Status, and Net Worth, for Selected Years, in Current Dollars

			Female decedents			
Filing year	Marital status	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated
1963	Married	545	9	268,721	35,802	13
	Widowed	4,012	22	1,386,299	268,827	19
	Single	1,667	42	441,490	138,829	31
	Other ²	162	19	64,369	19,449	30
1970	Married	789	7	353,179	48,893	14
	Widowed	5,671	18	2,698,192	1,034,012	38
	Single	2,422 .	38	615,997	195,111	32
	Other	297	17	96,668	26,249	27
1973	Married	964	6	545,097	84,808	16
	Widowed	7,684	19	2,793,994	641,082	23
	Single	3,005	40	734,091	223,296	30
	Other	546	19	296,893	125,778	42
1977	Married	1,285	7	552,813	85,211	15
	Widowed	8,312	18	3,193,696	683,717	21
	Single	3,031	37	797,614	220,473	28
and selection of the contract	Other	512	17	189,364	53,144	28
19831	Married	314	7	465,439	51,377	11
	Widowed	3,813	26	3,734,853	901,760	24
	Single	776	49	570,702	239,741	42
	Other	126	16	233,913	43,723	19
1987	Married	434	10	984,165	155,759	16
	Widowed	3,539	28	5,860,596	1,294,945	22
	Single	990	54	1,079,909	437,887	41
	Other	121	20	273,564	63,179	23
1990	Married	405	8	1,109,888	126,969	11
	Widowed	4,380	28	8,529,568	2,165,224	25
	Single	1,070	56	1,443,372	473,982	33
	Other	215	22	600,446	193,513	32
			Male decedents			
1963	Married	2,511	7	1,390,037	206,615	15
	Widowed	1,822	20	558,621	101,582	18
	Single	995	28	296,018	93,623	32
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Other	167	16	48,019	11,302	24
1970	Married	3,361	6	2,354,590	339,524	14
	Widowed	2,452	17	971,197	288,531	30
	Single	1,479	25	461,561	149,967	32
anainan manaini da manaini ma	Other	252	13	119,046	47,312	40
1973	Married	3,797	5	2,649,863	359,402	14
	Widowed	3,032	16	1,166,144	303,510	26
	Single	1,697	23	545,189	176,863	32
n nataratanan nataratan	Other	473	14	196,428	74,433	38
1977	Married	5,559	6	3,133,186	451,232	14
	Widowed	3,470	15	1,504,165	450,767	30
	Single	1,843	23	593,448	184,327	31
	Other	386	11	1,003,295	866,093	86
19831	Married	2,006	8	3,241,645	400,757	12
	Widowed	1,147	20	1,244,772	399,221	32
	Single	692	35	649,220	183,736	28
tioninianteleteleteleteletelete	Other	149	11	233,825	113,673	49
1987	Married	1,466	9	4,785,796	694,833	15
	Widowed	1,630	29	2,954,580	833,310	28
	Single	619	30	1,127,921	448,252	40
iddinidalistanistanidaes	Other	188 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	16	272,840	49,854	18
1990	Married	1,505	8	5,788,218	661,190	11
	Widowed	1,430	23	3,322,905	800,442	24
	Single	724	32	1,887,575	887,052	47
	Other	264	20	609,121	230,151	38

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² The category 'Other' includes seperated and divorced decedents, as well those for whom marital status was not known.

Table 2B:--Decedents Making Charitable Bequests, by Sex, Marital Status, and Net Worth, for Returns with Total Gross Estates of \$600,000 or More, Selected Years, in Constant 1987 Dollars

<u> </u>	a granging	ang sa es a g	Female decedents		+ t ₁	
Filing year	Marital	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated
1963	Married	307	16	992,221	136,529	14
	Widowed	1,934	31	4,798,443	967,274	20
	Single	674	54	1,413,496	474,185	34
	Other ²	87	28	230,798	71,134	31
1970	Married	383	15	1,027,752	146,226	14
	Widowed	2,429	31	7,688,055	3,180,769	41
	Single	757	54	1,444,794	512,671	35
	Other	128	28	262,030	79,155	30
1973	Married Widowed Single Other	405 2,639 760 155	15 32 * 55 27	1,331,370 6,044,846 1,320,139 701,195	211,280 1,503,987 450,523 323,849	16 25 34 46
. 1977	Married	357	17	862,783	146,255	17
	Widowed	2,350	31	4,800,099	1,094,647	23
	Single	701	60	971,728	294,124	30
	Other	157	31	282,168	83,616	30
19831	Married	240	11	568,791	64,499	11
	Widowed	2,035	30	3,977,094	1,028,826	26
	Single	365	43	544,578	253,325	47
	Other	83	20	279,608	55,902	20
1987	Married	391	10	1,071,781	171,068	16
	Widowed	3,240	28	6,364,872	1,425,009	22
	Single	940	· 53	1,165,985	480,731	41
	Other	121	· · 20	307,471	70,948	23
1990	Married	387	8	1,092,919	125,482	11
	Widowed	4,190	29	8,390,102	2,161,498	26
	Single	1,030	57	1,411,646	470,749	33
	Other	214	24	597,709	192,246	32
			Male decedents			
1963	Married	1,694	12	5,283,432	812,078	15
	Widowed	899	30	1,899,905	356,249	19
	Single	487	40	1,003,718	327,686	33
	Other	85	23	163,247	40,996	25
1970	Married :	2,222	. 12	7,232,140	1,064,142	15
	Widowed	1,058	. 28	2,701,209	846,348	31
	Single	572	. 38	1,197,609	415,532	35
	Other	121	. 25	350,744	141,716	40
1973 . -	Married Widowed Single Other	2,090 1,070 544 147	12 27 39 21	6,706,375 2,569,186 1,144,312 436,070	942,895 719,354 398,395 175,693	14 28 35 40
1977	Married Widowed Single Other	, , , 1,984 995 508 123	12 28 38 21	5,336,360 2,353,674 837,290 2,001,562	814,258 783,118 274,634 1,772,844	15 33 33 89
19831	Married	1,149	8	3,809,351	505,317	13 ·
	Widowed	648	24	1,369,895	473,029	35
	Single	414	44	702,215	185,373	26
	Other	85	12	270,707	135,989	50
1987	Married Widowed Single Other	1,434 1,563 567 185	9 30 30 30 17	5,332,938 3,255,070 1,230,783 303,514	777,402 922,454 492,819 54,095	15 28 40 18
1990	Married Widowed Single Other	1,483 1,359 705 240	8 24 33 19	5,775,707 3,277,032 1,873,208	657,196 799,059 879,141	20000000000000000000000000000000000000

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² The category 'Other' includes seperated and divorced decedents, as well those for whom marital status was not known.

Table 3A.—Decedents Making Charitable Bequests, by Sex, Age, and Net Worth, for Selected Years, in Current Dollars

			Female decedents			
Filing year	Age at death	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated
1963	Under 40	187	21	34,086	7,140	21
	40 under 50	38	7	9,907	1,111	11
	50 under 65	479	13	169,282	36,994	22
	65 under 75	1,218	18	360,053	71,406	20
	75 and over ²	4,464	26	1,587,551	346,256	22
1970	Under 40	15	7	5,761	776	13
	40 under 50	49	5 .	20,553	1,835	9
	50 under 65	573	9	229,069	51,410	22
	65 under 75	1,719	15	1,178,115	743,155	63
	75 and over	6,824	22	2,330,538	507,089	22
1973	Under 40	28	6	11,616	1,454	13
	40 under 50	56	5	137,701	76,596	56
	50 under 65	723	8	234,418	47,556	20
	65 under 75	1,989	14	741,240	159,672	22
	75 and over	9,404	23	3,245,102	789,686	24
1977	Under 40	21	5	4,028	893	22
	40 under 50	77	7	29,834	3,464	12
	50 under 65	680	6	219,125	42,346	19
	65 under 75	2,136	13	721,731	143,192	20
	75 and over	10,224	21	3,758,768	852,649	23
1983¹	Under 40	7	6	10,730	2,590	24
	40 under 50	7	3	22,484	937	4
	50 under 65	299	12	253,883	55,793	22
	65 under 75	552	14	750,589	204,952	27
	75 and over	4,163	29	3,967,221	972,331	25
1987	Under 40	6	7	9,574	2,092	22
	40 under 50	10	5	14,783	674	5
	50 under 65	133	8	208,115	26,012	12
	65 under 75	645	18	1,183,099	358,659	30
	75 and over	4,290	31 -	6,782,663	1,564,335	23
1990	Under 40	6	7 .	6,564	24	0
	40 under 50	18	6	28,191	7,978	28
	50 under 65	120	6	389,072	132,877	34
	65 under 75	581	15	1,159,571	264,329	23
	75 and over	5,345	30	10,099,876	2,554,481	25

Footnotes at end of table

Table 3A.--Decedents Making Charitable Bequests, by Sex, Age, and Net Worth, for Selected Years, in Current Dollars--Continued

		·	Male decedents			
Filing year	Age at death	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated
1963	Under 40	127	9	45,775	11,593	25
	40 under 50	49	2 .	29,252	3,098	11
	50 under 65	635	5	313,367	50,773	16
	65 under 75	1,469	10	576,283	80,058	14
denny piorienny petracque	75 and over	3,215	17	1,328,017	267,600	20
1970	Under 40	14	1	3,628	486	13
	40 under 50	74	2	85,976	20,502	24
	50 under 65	756	. 4	367,751	47,119	13
	65 under 75	1,738	7	928,944	137,916	15
dalahkan kabinan dalah basi	75 and over	4,962	15	2,520,096	619,310	25
1973	Under 40	40	2	8,371	1,216	15
	40 under 50	100	2	66,545	28,148	42
	50 under 65	834	3	418,191	64,910	16
	65 under 75	2,119	7	1,072,716	165,664	15
s and an annual state of the st	75 and over	5,905	13	2,991,802	654,272	22
1977	Under 40	62	2	15,758	971	6
	40 under 50	212	4	46,014	5,533	12
	50 under 65	1,380	5	435,573	48,682	11
	65 under 75	2,622	8	1,111,995	198,461	18
iddan on agiladdan an aciddon on a	75 and over	6,982	13	4,624,754	1,698,773	37
19831	Under 40	10	2	6,661	906	14
	40 under 50	26	2	34,425	2,374	7
	50 under 65	253	3	333,519	47,947	14
•	65 under 75	945	11	1,373,085	163,816	12
en parente de la company d	75 and over	2,761	17	3,621,773	882,346	24
1987	Under 40	14	5	11,046	3,326	30
	40 under 50	. 34	4	56,195	7,164	13
	50 under 65	268	5	551,793	81,883	15
	65 under 75	590	9	1,507,494	174,663	12
	75 and over	2,997	23	7,014,610	1,759,214	25
1990	Under 40	26	8	59,093	16,615	28
	40 under 50	77	7	392,048	268,829	69
	50 under 65	298	· 6	832,921	144,341	17
	65 under 75	540	7	1,837,181	264,553	14
	75 and over	2,981	19	8,486,576	1,884,498	22

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² The category '75 and over' includes decedents whose age was not known.

Table 3B.—Decedents Making Charitable Bequests, by Sex, Age, and Net Worth, for Returns with Total Gross Estate of \$600,000 or More, Selected Years, in Constant 1987 Dollars

			Female decedents			
Filing year	Age at death	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated
1963	Under 40	73	30	95,479	20,272	21
	40 under 50	21	11	34,160	3,287	10
	50 under 65	222	19	586,636	134,875	23
	65 under 75	550	26	1,200,604	241,597	20
	75 and over ²	2,136	36	5,518,079	1,249,092	23
1970	Under 40	6	12	16,363	2,423	15
	40 under 50	28	12	61,067	4,745	8
	50 under 65	235	16	654,216	157,049	24
	65 under 75	681	26	3,497,438	2,356,167	67
	75 and over	2,747	34	6,193,549	1,398,437	23
1973	Under 40	13	15	27,592	4,002	15
	40 under 50	15	8	372,828	213,441	57
	50 under 65	235	16	493,895	100,628	20
	65 under 75	633	24	1,620,843	359,361	22
	75 and over	3,063	36	6,882,391	1,812,207	26
1977	Under 40	5	11	4,771	1,621	34
	40 under 50	11	8	44,188	5,013	11
	50 under 65	138	13	311,154	61,301	20
	65 under 75	561	27	1,030,366	205,724	20
	75 and over	2,850	35	5,526,300	1,344,981	24
19831	Under 40	5	9	12,747	3,307	26
	40 under 50	4	3	26,924	1,179	4
	50 under 65	101	8	234,913	66,116	28
	65 under 75	348	20	877,800	244,236	28
denne de de la constante de la	75 and over	2,264	32	4,217,687	1,087,714	26
1987	Under 40	6	7	10,839	2,348	22
	40 under 50	8	4	15,586	764	5
	50 under 65	123	8	226,770	28,922	13
	65 under 75	558	17	1,270,459	386,490	30
	75 and over	3,998	31	7,386,456	1,729,232	23
1990	Under 40	6	8	6,535	23	.0
	40 under 50	17	6	27,804	7,977	29
	50 under 65	120	6	389,178	132,650	34
	65 under 75	552	15	1,138,185	261,752	23
	75 and over	5,126	31	9,930,674	2,547,573	26

Footnotes at end of table

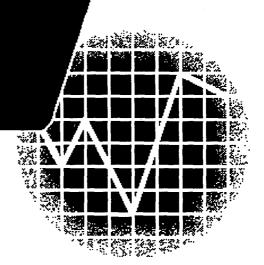
Table 3B.—Decedents Making Charitable Bequests, by Sex, Age, and Net Worth, for Returns with Total Gross Estate of \$600,000 or More, Selected Years, in Constant 1987 Dollars—Continued (Money amounts are in thousands)

Male decedents										
Filing year	Age at death	Number of donors	Percent of all decedents	Net worth	Charitable bequests	Percent donated				
1963	Under 40	60	13	159,177	42,697	- 27				
	40 under 50	28	4	109,922	11,055	10				
	50 under 65	381	8 '	1,169,315	191,495	16				
,	65 under 75	858	15	2,090,184	291,384	14				
announ mananamentanamentanamen	75 and over	1,838	26	4,821,704	1,000,377	21.				
1970	Under 40	6	1 2	8,860	1,552	18				
5.4	40 under 50	40	3, ,,	269,515	65,278	24				
1. 1. 1.	50 under 65	427	8	1,093,158	128,663	12				
	65 under 75	978	14	2,789,597	402,223	14				
	75 and over	2,521	25	7,320,572	1,870,022	26				
1973	Under 40	14	5	11,073	570	5				
1.1	40 under 50	49	5	170,915	76,767	45				
. T 7	50 under 65	346	7	984,012	156,748	16				
	65 under 75	966	14	2,590,309	406,477	16				
	75 and over	2,475	23	7,099,633	1,595,775	22				
1977	Under 40	17	6	21,133	1,657	, 8				
	40 under 50	30	. 3	43,887	2,468	6				
	50 under 65	317	7	594,323	57,849	10				
	65 under 75	778	14	1,740,774	306,866	18				
	75 and over	2,467	24	8,128,769	3,276,014	40				
1983¹	Under 40	5	2	6,587	845	13				
	40 under 50	20	3	42,353	3,064	7				
	50 under 65	175	4	400,625	56,920	14				
	65 under 75	549	12	1,598,345	189,081	12				
	75 and over	1,547	19	4,104,258	1,049,800	· 26				
1987	Under 40	13	4	11,840	3,292	28				
	40 under 50	32	4	61,904	8,006	13				
	50 under 65	254	5	614,136	90,029	15				
	65 under 75	589	10	1,681,625	194,956	12				
	75 and over	2,860	24	7,752,800	1,950,487	25				
1990	Under 40	. 26	8	58,878	16,463	28				
	40 under 50	74	7	391,368	268,882	69				
	50 under 65	281	6	828,614	138,810	17				
	65 under 75	528	8	1,830,077	264,081	14				
	75 and over	2,876	20	8,414,865	1,880,128	22				

¹ The 1983 sample excluded returns filed for decedents dying prior to 1982; these decedents accounted for approximately 8 percent of the returns filed in 1983. Therefore, these estimates understate the actual filing year totals.

² The category '75 and over' includes decedents whose age was not known.

Personal Wealth Studies



CHAPTER 3 Personal Wealth Data

he first paper in this section, "Personal Wealth Estimated From Estate Tax Returns, 1962," written by Dr. Fritz Scheuren, was the first in a series of SOI personal wealth reports. Originally presented as a book of about 80 pages, it remains the most comprehensive personal wealth report ever produced at SOI, containing a description of the estate multiplier methodology used to derive the estimates, an analysis of the data including numerous charts and tables, and a detailed discussion of the limitations of wealth estimates derived from Federal estate tax returns. The text of that report is faithfully reproduced here; however, only selected tables have been included due to space considerations.

The second and third papers, personal wealth estimates for 1969 and 1972, respectively, were also originally produced as books. However, the methodological sections and appendices of each drew heavily from the 1962 report. Therefore, only those sections which present "new" material are included here, along with a few basic tables. The entire reports for 1962, 1969, and 1972 are available from the SOI Statistical Information Office ((202) 874-0410). The remaining personal wealth papers are reprinted in their entirety.

The papers by Dr. Eugene Steuerle are based on a special data base which was a collation of estate tax returns, income tax returns of decedents in years before death, and income tax returns of heirs in years both prior to and following the death of their benefactor. These data provided a unique opportunity to look at the relationships between wealth and income as well as the effects of inheritances on income and employment. SOI is currently compiling similar data bases for decedents who died in 1989 and 1992. In addition to Federal income tax returns, these data bases will include gift and fiduciary tax returns filed for both decedents and beneficiaries.

Statistics of Income

Supplemental Report

by Fritz Scheuren, Ph.D

1962

Personal Wealth

Estimated from
Estate Tax Returns
filed during
calendar year 1963



Prepared under the direction of the Commissioner of Internal Revenue by the Statistics Division

U. S. TREASURY DEPARTMENT

Internal Revenue Service

Publication No. 482 (7-67)

Introduction and summary

INTRODUCTION

This report, a supplement to Statistics of Income-1962, Fiduciary, Gift and Estate Tax Returns, provides estimates of the assets and demographic characteristics of individuals with gross holdings of \$60,000 or more in 1962. The report focuses on the age, sex and marital status of these "top wealthholders", as well as the size and composition of their wealth.

The estimates of the wealth of the living are based on Federal estate tax returns filed during 1963 for decedents with a gross estate of \$60,000 or more. Each decedent's estate was weighted by the inverse of the mortality rate appropriate to his age and sex, a device known as the 'estate multiplier technique'.¹ The underlying assumption is that 'death' draws a random sample from the living population. A technically more precise way of looking at the estimates is that they represent all those for whom a Federal estate tax return would have been required had they died in 1962.

A number of problems associated with this approach are discussed in the technical appendix. However, mention of them is made at this time in order to provide an indication of the limitations imposed by the nature of the technique:

The estate tax return is an administrative document

The estate tax return is an administrative document designed for the purpose of collecting taxes. It is also a rich source of economic information and draws notable strength from having been prepared from records, generally by highly skilled people and under exacting requirements of law. The wealth reported on the return is not however identical with what is ordinarily considered a man's personal wealth. One obvious difference is life insurance. The financial value of such insurance to a living person is its cash surrender value; the estate of a deceased person includes the insurance at its full face value. In the estimates presented insurance proceeds were adjusted so both equity and face values of insurance could be included in different concepts of wealth.

Perhaps the chief problem that confronts all applications of the estate multiplier technique is the lack of exact mortality rates appropriate to the wealthy. This deficiency is very important for there is much evidence to support the view that the mortality structure of the wealthy is more favorable than that for the general population. However, only an approximation to this structure could be made. The approximation, while reasonable, may contain biases which lead to under- or overestimates of the number and wealth of top wealthholders.

The report was intended to show the patterns of asset holdings among different age, sex, and marital groups of the wealthy. For this purpose the estimates are believed to be fairly reliable. However, other uses of the present statistics, for example to study wealth concentration, may yield imprecise results. As mentioned, there are important differences in concept between wealth subject to the estate tax and the more usual notions of personal wealth. The estimation technique is approximate and may not be reliable for all purposes.

The estate multiplier technique is a potentially powerful research tool. Future studies will further refine this means of learning about the wealthy. In prospect are the use of better estimates of the mortality of the rich coupled with more study of the differences among the various measures of personal wealth.

SUMMARY

There were 4.1 million individuals with gross assets of \$60,000 or more in 1962, about 3.7% of the mid-year U.S. adult population. Table A shows that these "top wealth-holders" had real estate, stocks and bonds, cash, notes, equity in life insurance, and other assets which totaled \$752 billion. They also had debts of \$82.7 billion leaving a net worth of \$669.3 billion.

About 1.8 million individuals had net worth of \$100,000 or more and 177,000 had net worth of \$500,000 or more. Corporate stock was the most heavily favored investment for both these groups. Real estate was the first choice for those with net worth of less than \$100,000.

Overall, corporate stock at \$325.8 billion was the largest single item in the top wealthholders' balance sheet. Real estate was second at \$188.0 billion. Together these two assets constituted more than two-thirds of all the assets of top wealthholders.

Three-fifths, or about 2.5 million, of the top wealth-holders were men, with average asset holdings of \$173,000. The women were wealthier, however, with an average of \$196,000. More than half of the top wealth-holders were married - 84% of the men and 48% of the women.

Table A. -1962 SUMMARY STATISTICS BY SIZE OF NET WORTH

		Size of net worth							
Item	Total	Under \$60,000	under	\$100,000 under \$500,000	\$500,000 or more				
	(1)	(2)	(3)	(4)	(5)				
	(Thousands)								
Number of top wealthholders	4,132 878 1,455			1,622					
	(Billion dollars)								
Total assets	752.0	54.8	126.7	329.0	241.5				
Real estate Bonds Corporate stock	188.0 47.9 325.8	26.0 1.0 7.7	47.1 5.7 31.2	17.7	25.7 23.6 154.5				
Cash Notes and mortgages Insurance equity Other assets	70.7 30.4 15.6 73.5	4.2 1.4 4.5 10.0	18.5 7.0 3.3 14.0	15.5 6.2	12.5 6.5 1.6 17.2				
Debts	82.7	23.3	13.7	28.5	17.2				
Net worth (less deficit)	669.3	31.5	113.0	300.5	224.3				

NOTE: Detail may not add to totals because of rounding.

¹A history and bibliography are given in "Estimating the Wealth of Top Wealthholders from Estate Tax Returns", a paper by James D. Smith and Staunton K. Calvert of the Statistics Division, 1965 Proceedings of the Business and Economic Statistics Section, American Statistical Association, pp. 249-250, 260-261.

Top wealthholders tended to be in middle or later life. The average age for the men was 54 years, while the women were a little older, about 57.2 The overall average ages for married, single and widowed top wealthholders are shown below.

Average age of top wealthholders ____(in years)

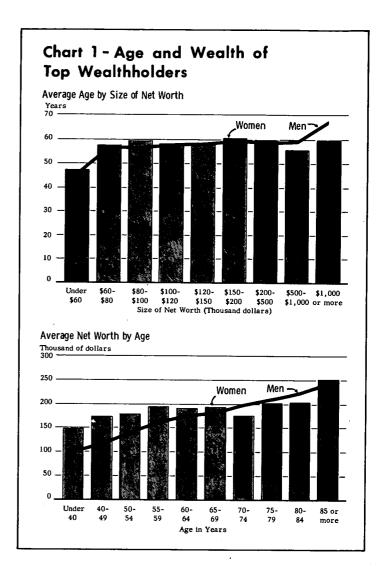
Men	Women
53	52
51	57
68	70
	53 51

Chart 1 shows the expected relation between age and the amount of wealth held. The pattern for men is fairly regular; men with net worth of less than \$60,000 averaged 45 years of age - for men worth \$1 million or more the average age was 67. The strength of this relationship is more dramatically highlighted by examining the average size of net worth for each age group. In fact, the net worth of male top wealthholders increases without a break from about \$100,000 for those under 40 to nearly \$250,000 for those 85 or older.

The chart also shows that while for female top wealthholders there is a tendency for wealth and age to increase together, this is much less pronounced than for men.

Not only does total wealth vary with age but so does asset composition. In general, there are marked differences in asset preferences related to age, sex, marital status and the size of wealth itself. These patterns and some possible reasons for them are discussed in the section which follows.

²Average ages shown in chart 1 and elsewhere in this report were computed using the actual ages of top wealthholders. Averages computed using grouped data (for example, in tables 22-23) would yield slightly different results.



Top wealthholders in 1962

MEN AND WOMEN - HOW THEY INVEST THEIR WEALTH

The summary in table B points up some of the more obvious differences between the holdings of men and women. For example, proportionally more men than women own real estate, notes and mortgages, insurance and annuities; women own more bonds and corporate stock. These overall differences are not very great except in the case of insurance where about 87% of the men had some insurance, versus only 46% of the women.

Men also have a much heavier debt burden than women with 14% of their total assets owed as debts and mortgages compared with less than 7% for women. In the investment pattern of men there is a greater emphasis on unincorporated business interests (included in 'Other assets') and on real estate. These assets are included at their gross value in total assets. Debts against them, particularly mortgages on real estate, are by far the most important of the liabilities incurred by top wealth-holders.

Table B. -ASSETS OF TOP WEALTHHOLDERS

	To	tal	M	en	Women		
Item	Number of top wealth- holders	Amount (Billion	Number of top wealth- holders	Amount (Billion	Number of top wealth- holders	Amount (Billion	
	(Thousands)	dollars)	(Thousands)	dollars)	(Thousands)	dollars)	
	(1)	(2)	(3)	(4)	(5)	(6)	
Total assets	4,132	752.0	2,539	439.1	1,594	312.9	
Real estate	3,444	188.0	2,194	118.3	1,250	69.7	
Bonds	2,021	47.9	1,175	23.5	846	24.4	
. Corporate stock	3,283	325.8	1,983	175.7	1,300	150.1	
Cash	3,955	70.7	2,432	38.7	1,523	32.0	
Notes and mortgages	1,279	30.4	803	19.8	476	10.6	
Insurance equity	2,950	15.6	2,215	13.9	735	1.6	
Other assets	(1)	73.5	(¹)	49.1	(1)	24.4	
Annuities	463	4.9	323	3.6	141	1.3	
Debts	3,655	82.7	2,280	61.7	1,375	21.0	
Net worth (less deficit)	4,132	669.3	2,539	377.4	1;594	291.9	
Information items:							
Insurance face	2,950	95.6	2,215	86.5	735	9.0	
Jointly owned property	2,545	109.7	1,789	81.9	765	27.9	
Powers of appointment	45	6.6	11	0.7	34	5.9	

Not available.

NOTE: Detail may not add to total because of rounding.

Further insight into differences between the holdings of men and women can be gained by looking at property held under a power of appointment, in this context the right to confer the enjoyment or use of property on oneself or anyone else even though ''title'' to the property is not held. More than 3 out of 4 wealthholders with such rights are women. Presumably the power is conferred to provide for these women during life and for them in turn to provide for others, their children perhaps. More frequently women may act as the conservator and temporary repository of family wealth in that period between the

death of the husband and the coming of age of the children. Federal estate taxation favors this arrangement, in that up to half of the total value of the estate may be removed from taxation if the assets are bequeathed to the surviving spouse. These assets may then be transferred by gift at a considerable tax saving.

AGE AND ASSET COMPOSITION

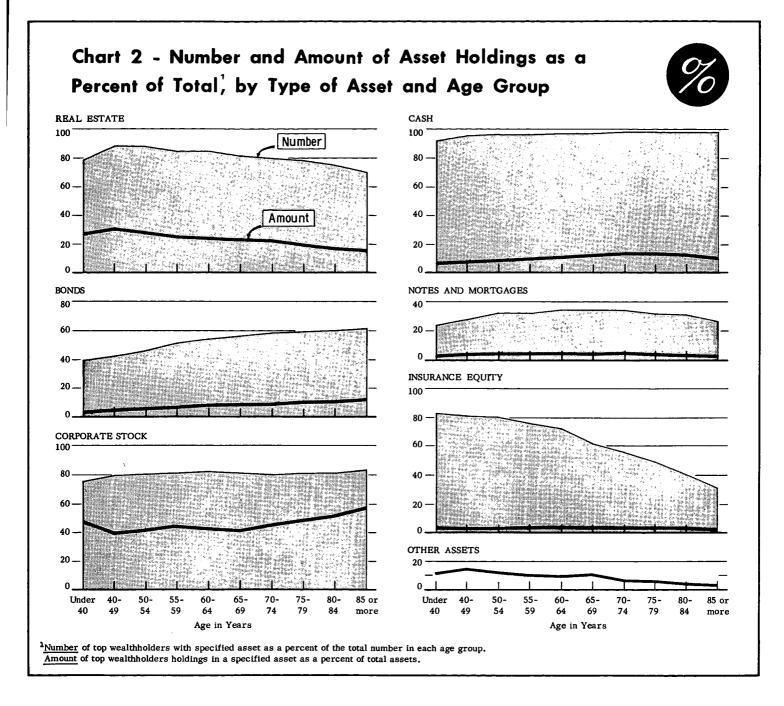
Marked differences in asset composition exist among age groups. Chart 2 shows that there is a shift in the asset mix toward financial assets with advancing age, partly reflecting changed requirements.

Real estate reaches a peak in the 40 to 49 year age group both in the incidence with which it is held (88%) and in the share of total assets invested in it (29%). Real estate declines in appeal for older groups and for those age 85 or more it represents only 15% of their wealth. One of the first purchases for top wealthholders seemingly is the family home, thus real estate's importance for those under 50 years of age. However, further purchases of real estate do not keep pace with the acquisition of more wealth - in fact in many cases homes may be liquidated by older people in favor of other living arrangements.

There is a sharp decline in the holding of insurance as top wealthholders age, from 83% of all those under 40 to less than 30% of those 85 or more. This decline, of course, reflects the reduction in the need for protection as the family matures and as the amount of wealth held increases.

The holding of securities tends to increase from the under 40 age group to those 85 years old or older. Bonds exhibit the most dramatic rise, from 3 to 12 percent of total assets and from 39 to 61 percent of the top wealth-holders. This may be due, in part, to the correlation between wealth and age. State and local bonds, whose interest is not subject to the Federal income tax, become attractive as wealth increases.

The gradual shift toward corporate stock with increasing age is probably due to a number of factors. Generally business activities decline with age so that there is a tendency to liquidate equity in sole proprietorships, partnerships and real estate in favor of less demanding forms of investment. Another factor already mentioned in connection with bonds is the relationship between age and wealth. The importance of corporate stock in a top wealthholder's asset composition seems to be directly related to the size of his wealth. Part of this relationship is reflected when looking at the asset composition of different age groups.



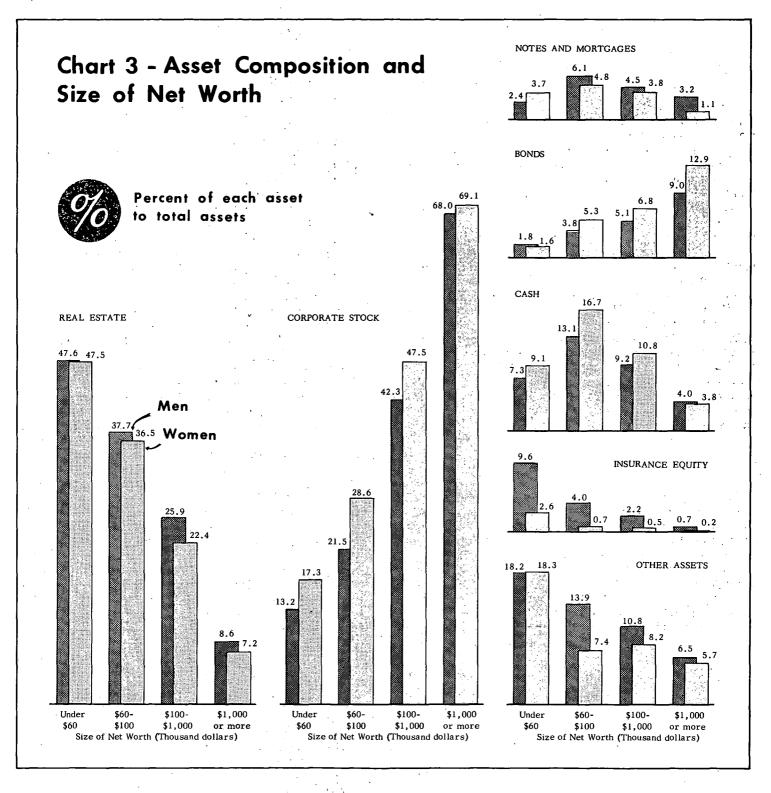
WEALTH AND ASSET COMPOSITION

Chart 3 highlights the marked differences in the asset composition of top wealthholders when arrayed by size of net worth. In fact a top wealthholder's asset preference seems to bear a direct relationship to his net worth. Real estate, for example, made up nearly half the assets for those with net worth of less than \$60,000; corporate stock only between 13 and 17 percent. For the 60,000 top wealthholders with net worth of \$1,000,000 or more, there was a complete change with real estate constituting between 7 and 9 percent of total assets while corporate stock had climbed to more than two-thirds of the total. In fact about one-third of all the corporate stock of top wealthholders is held by persons with assets of more than

Table C. --NUMBER AND ASSETS OF MILLIONAIRES UNDER THREE SEPARATE MEASURES OF WEALTH

Item	Net worth	Total assets	Gross estate					
	(1)	(2)	(3)					
Number of millionaires	60,000	67,000	71,000					
	(Billion dollars)							
Total assets	156.5	167.7	170.8					
Real estate Bonds. Corporate stock. Cash. Notes and mortgages. Insurance equity. Other assets.	12.4 16.8 107.2 6.2 3.6 0.8 9.6	15.9 17.1 111.6 6.4 5.2 0.8 10.6	16.6 17.2 113.4 6.5 5.3 0.9					
Debts	12.0	17.6	18.4					
Net worth (less deficit)	144.5	150.1	152.4					

NOTE: Detail may not add to total because of rounding



one million dollars, 36,000 of whom, as tables 20 and 21 show, are millionaires by virtue of stock alone.

CONCEPTS OF WEALTH

There are three major concepts or measures of wealth used in this report - net worth, total assets and gross estate. Each presents a different profile of the size of a top wealthholder's asset holdings. As table C shows, there were between 60,000 and 71,000 persons with

assets of more than one million dollars in 1962, depending on what measure of wealth is used.

Gross estate is the gross value of all assets including the full face value of insurance. There were 71,000 people in 1962 with gross estates of \$1,000,000 or more, an increase of more than 50 percent from the 47,000 in 1958.

¹In past wealth estimates, notably for 1958 - see table 32, gross estate was the only available size classifier. The 1962 wealth of top wealth-holders is shown by size of gross estate in table 28.

Total assets, while still essentially a gross measure, is obtained by using the more appropriate equity value of the life insurance asset (tables 16-18). There were 67,000 individuals with total assets of \$1,000,000 or more.

Net worth, of course, is the level after all debts have been removed. Since it is the more usual concept of wealth, net worth is the major classifier in this report.

The relationship between these three levels of wealth is shown in tables 19, 29 and 30 in this report. Shifts in the size profiles between net worth and total assets are highlighted in table 19; between net worth and gross estate in table 30.

Table 29 may be especially useful in focusing on those with net worth of less than \$60,000. Of the 4 million people with a gross estate of \$60,000 or more in 1962, nearly half a million are included who did not have total assets of that amount. More than one-fifth of the wealth-holders estimated in this report did not have a net worth of \$60,000 or more. This latter group, seven out of eight of whom were men, have large insurance policies or debts. They are also considerably younger than average -46 years of age as compared to 58 years for wealthholders with net worth of \$60,000 or more. While of interest in themselves, they are clearly a special case and the reader may wish to treat them somewhat differently. With a few minor exceptions they are shown separately in the basic tables.

ASSET TYPES

The composition of wealth is related to age, sex, marital status, and the total amount of wealth held. For a number of reasons, the present report can only provide partial answers to the question of the direction and magnitude in which these influences interact. One limitation is that the asset categories are quite broad and not always very homogeneous.

Individual movements within an asset category may be obscured or confounded by other, perhaps opposite, tendencies. Even within such a relatively homogeneous cate-

gory as publicly traded stock, important but unobserved changes in portfolio composition may occur. Because of the graduated income taxes, there may be a shift toward growth stocks with lower yields as wealth increases.

The charts on the following pages give some idea of the direction and importance of the interaction of age, sex, marital status and size of wealth. Data for a more extensive analysis of asset composition will be found in tables 22-27.

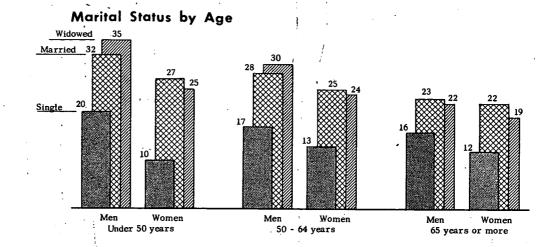
In general, the size of a top wealthholder's net worth bears the most persistent and dominant relation to asset composition, particularly in the holding of insurance, stock, and real estate. Sex and age play less important roles but are useful classifiers of such assets as insurance which is considerably more common among men and the holding of bonds which is closely related to age. Single people also seem to differ in asset preference from the married and widowed. However, sometimes differences between groups are so small that it is impossible to determine whether the differences are due to anything more than sampling variability. A summary of these relationships and description of major shifts is presented with the charts which follow.

Each chart presents three profiles of the holding of a particular asset, or of debts. The proportion of the asset to total assets is shown for each marital group by age and by amount of wealth and also for each age group by size of holding, separately for men and women. As an illustration of how the charts might be used, consider the real estate holdings of single people. The chart for real estate on the next page shows that single men under 50 years of age have 20% of their total assets invested in real estate; single women under 50 only about 10%. In fact, for every age group and size of net worth single men own relatively more real estate than single women. The chart also shows that the real estate holdings decline for single men as they get older or wealthier. Finally, the chart reveals that single people always have a smaller proportion of their assets in real estate than married or widowed top wealthholders - this regardless of age, sex, or amount of wealth.

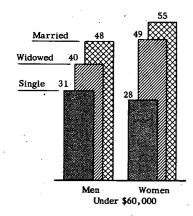
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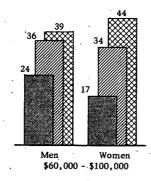
Holdings as a percent of total assets

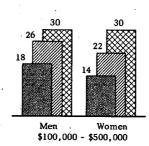


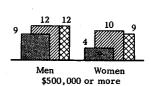


Marital Status by Size of Net Worth

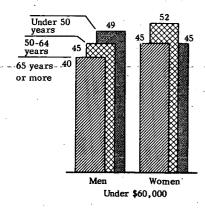


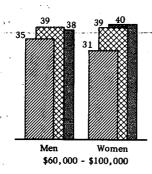


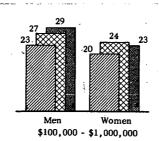


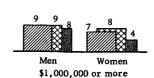


Age by Size of Net Worth









Younger men prefer real estate more than their elders. However, as wealth increases, age plays a less important role; in fact, millionaire men of all ages have about the same portion of their wealth, 8.6%, invested in real estate. Women 50 to 64 years of age generally prefer real estate more than their younger or older counterparts but this is not marked.

To summarize, real estate declines as a proportion of total assets as wealth and age increase, and is generally preferred more by men than by women. The preference is also related to marital status with single people having less of their wealth invested in real estate than do the married or widowed. The size of wealth, however, seems to be the most determining factor in an individual's preference for real estate.

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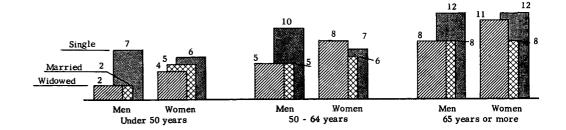
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Chart 5 Bonds

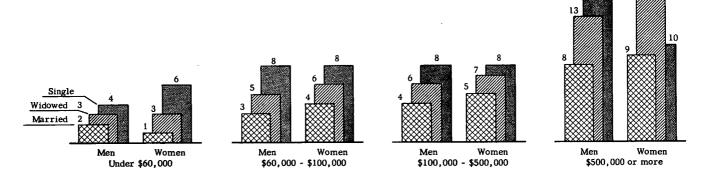
Marital Status by Age

Holdings as a percent of total assets

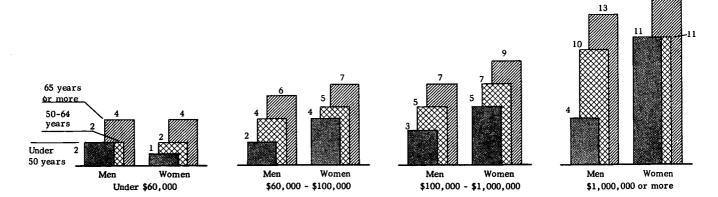




Marital Status by Size of Net Worth



Age by Size of Net Worth



Bonds increase as a proportion of total assets as wealth and age increase, with women tending to hold more of thisasset than men.

Single people prefer bonds more than any other group. Single men for example, always lead men in preference; however, single women are surpassed by widowed women 50-64 years of age, widows with net worth of \$1,000,000 or

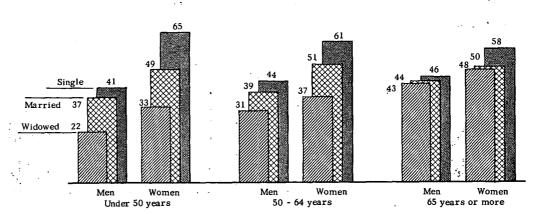
more, and even by married women 65 years or older. The holding of bonds is related about as much to age as to wealth: to wealth because of the tax benefits of holding State and local bonds; to age, independently of wealth, perhaps because of a tendency toward more conservative holdings as age increases.

Chart 6 Corporate Stock

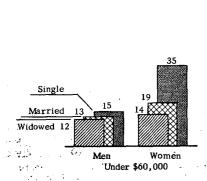
Holdings as a percent of total assets

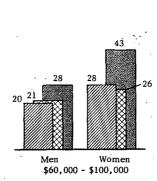


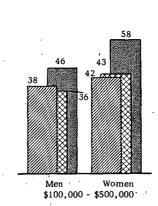
Marital Status by Age

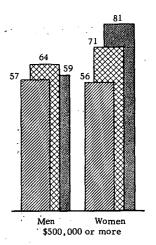


Marital Status by Size of Net Worth

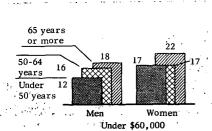


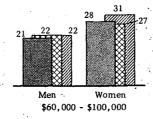


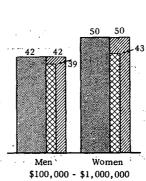


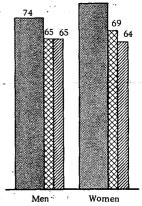


Age by Size of Net Worth









00,000 \$1,000,000 or more

The importance of corporate stock increases as age and wealth increase, with wealth being the far more crucial index. As age increases the holding of stock tends more nearly to follow the same pattern in all marital groups.

Women prefer stock more than men and single women more than any other sex-marital group, irrespective of

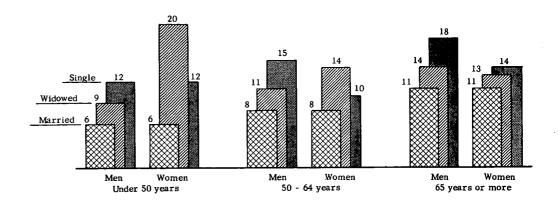
age or wealth. The long-term trend of appreciation in the value of stock may account for this asset being so heavily favored by the very wealthy. Regardless of age or marital status, corporate stock tends to be the predominate holding as wealth increases.

Chart 7 Cash

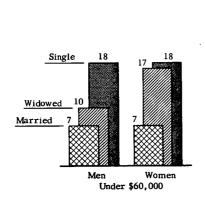
Marital Status by Age

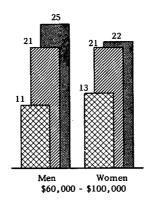
Holdings as a percent of total assets

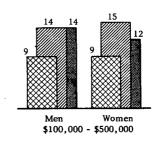


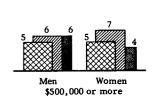


Marital Status by Size of Net Worth

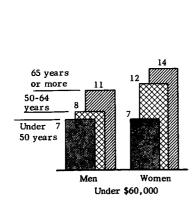


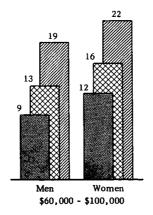


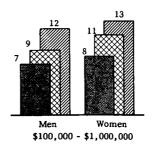


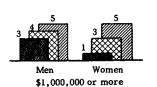


Age by Size of Net Worth









Cash tends to increase as a proportion of total assets as age increases. This pattern of holding is similar to that of bonds. Unlike bonds, however, it does not continue to increase as wealth increases. Cash reaches a peak for those worth between \$60,000 and \$100,000; it declines in importance thereafter.

Single people in general and single men in particular lead

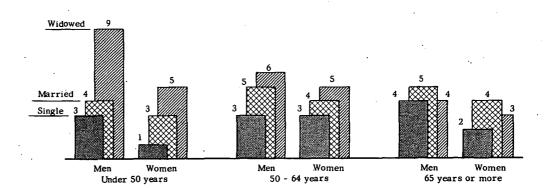
in the preference for cash. Overall, however, it is women who tend to prefer this asset. When wealth is held constant, female top wealthholders have proportionally more of their wealth in checking and savings accounts, etc., than do men. The one exception to this is women with net worth of one million dollars or more; they hold slightly less than their male counterparts.

Chart 8 Notes and Mortgages

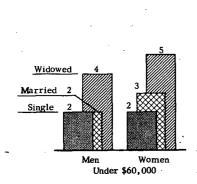
Holdings as a percent of total assets

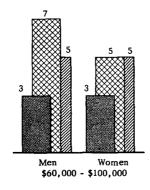


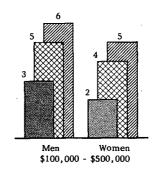
Marital Status by Age

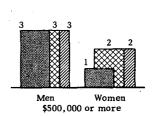


Marital Status by Size of Net Worth

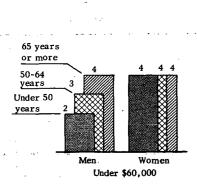


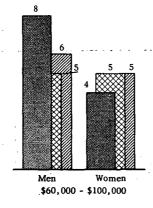


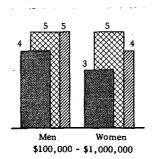


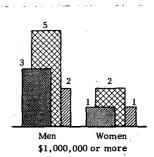


Age by Size of Net Worth







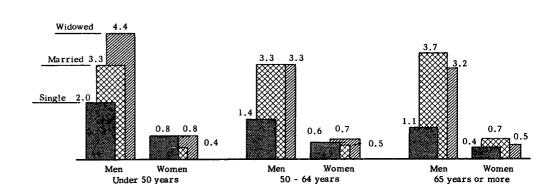


Single people hold less of their wealth as notes and mortgages than any other age-marital group. Notes increase in importance with age but decline as wealth increases; a pattern very like that of cash except these tendencies are not as marked. Overall, men prefer this asset more than women. However, women with net worth of less than \$60,000 hold relatively more than men. The decline in the importance of notes and mortgages as wealth increases is also sharper for women than for men.

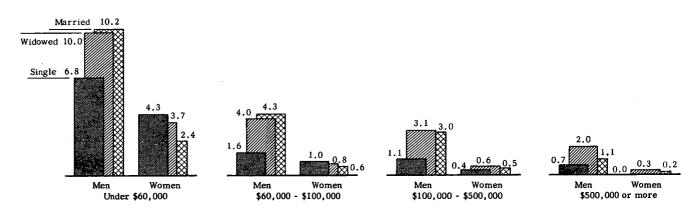
Chart 9 Insurance Equity

Holdings as a percent of total assets



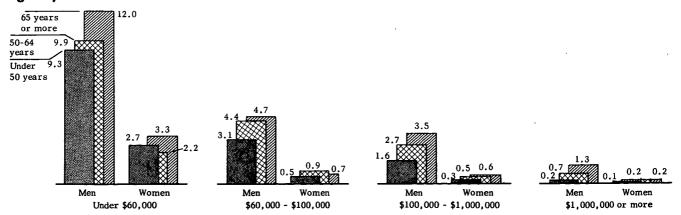


Marital Status by Size of Net Worth



Marital Status by Age

Age by Size of Net Worth



Insurance is never a very large part of the wealth of top wealthholders except for those under 40 years of age or with net worth of less than \$60,000. Of all the various types of assets, however, it is the most related to sex, being several times more important for men than women. In fact, for every age, marital status and size of net worth, men hold proportionally more insurance than women.

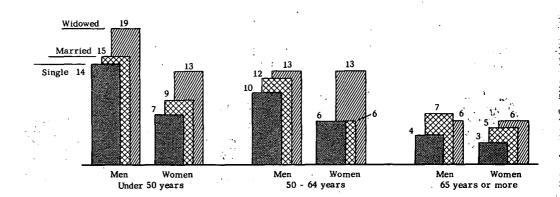
The chart shows that insurance equity increases as a proportion of total assets with age. The face value of insurance on the other hand declines with age. For example, for men with net worth of less than \$60,000 the face value of insurance declines from more than \$61,000 for those under 50 to less than \$18,000 for those 65 or more.

Chart 10 Other Assets

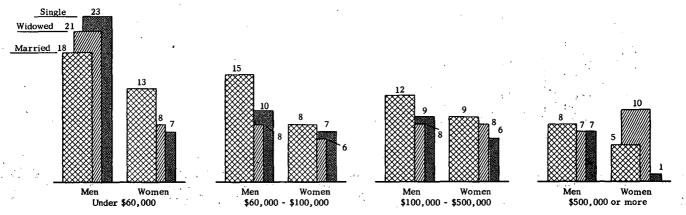
Holdings as a percent of total assets



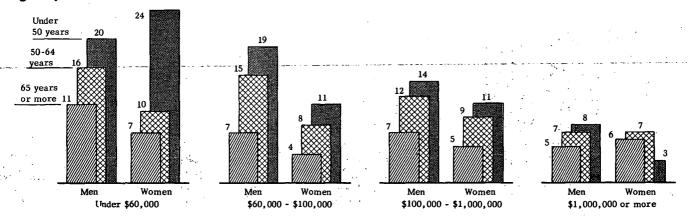
Marital Status by Age



Marital Status by Size of Net Worth



Age by Size of Net Worth



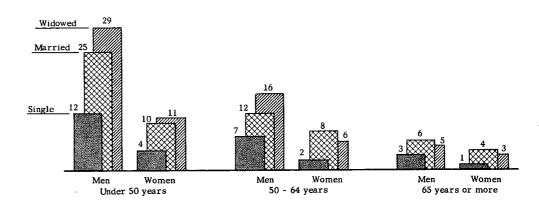
"Other assets" is not a very homogeneous category since it includes household goods, certain unincorporated business assets, trust interests, and annuities, to name a few of the major subgroups. Nonetheless, "Other assets" follows a regular pattern of decline with size of wealth. Some possible reasons for this are that, while goods held for personal use probably increase absolutely as wealth increases, they decline as a percentage of total assets; another possibility is that sole proprietorship and partnership interests tend to be converted to other forms as wealth, and age, increase.

Chart 11 Debts

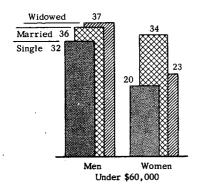
Marital Status by Age

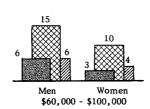
Percent of total assets

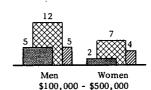


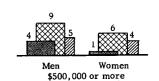


Marital Status by Size of Net Worth

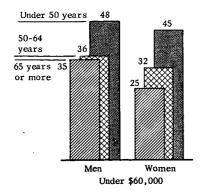


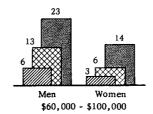


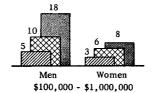


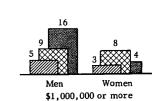


Age by Size of Net Worth









As age increases debts decline as a proportion of total assets. The burden is heaviest for the young perhaps because this is the period in life when expenses for home and family are at their peak. Married people, as expected, tend to carry the largest debt load; single people the smallest.

For every age, marital status, and size of net worth, the indebtedness of men is greater than that for women. When debts are looked at by size of total assets as in tables 17 and 18, men in every size class have about twice the debts of women. While debts decline sharply as a proportion of total assets as net worth increases, the pattern is considerably flatter when looked at by size of total assets itself.

Explanation of classifications and terms

CLASSIFICATIONS

Age, sex and marital status

Age was determined as year of death minus year of birth. This concept of age is closer to 'insurance age' or age at nearest birthday than to actual age. Computing age as year of death less year of birth produces some inaccuracies in the weighting procedure but these are small and tend to be offsetting. For about 2% of the sample the age could not be determined by the procedures employed. This group is discussed on page 68.

Sex was determined from the name, information on next of kin and any other relevant data. For a very few returns for which the name and other information did not identify the decedent as male or female, sex was assigned as male.

Marital status was specified as married, single, or widowed. Divorced and legally separated individuals and those whose marital status could not be identified from the information shown on the return were coded as "other".

Size classifications

Four size classifiers are used for wealth in this report: gross estate, total assets, net worth and corporate stock. The first two are measures of total wealth and differ only in the way insurance is valued. Gross estate includes insurance at its full face value; total assets at its cash surrender value. Net worth, the major classifier in this report, is total assets less debts. In addition, the amount of corporate stock held is used as a size classifier in tables 20 and 21.

Since the adjustment of insurance is based on average ratios of cash surrender value to face value-appropriate only on an aggregate and not an individual return basis, the use of net worth and total assets as size classifiers introduces small inaccuracies probably not of particular importance due to the broadness of most classes.

State or place of residence

Table 31 shows the number and assets of top wealth-holders residing in the 50 States and the District of Columbia. U. S. citizens domiciled abroad are shown in the category "Other areas".

This geographic distribution is based on the place in which the decedent was domiciled. It represents the place of residence of top wealthholders but is not necessarily indicative of the location of their wealth.

EXPLANATION OF TERMS

Top wealthholders

The estimated number of residents of the United States or U. S. citizens domiciled abroad with a gross estate of

\$60,000 or more. Technically, all those for whom a Federal estate tax return would have been required had they died.

Total assets

The gross value, not reduced by debts, of interests in real estate, bonds, stock, notes and mortgages, cash and other assets, except insurance. Although the full amount of insurance on the decedent's life is included for estate tax purposes, these wealth estimates take cognizance of the cash surrender value of the policies, that portion which was available during life. Except for the treatment of insurance, total assets represents total wealth, or 'gross estate' as defined by law. 'Total assets' suffers a small inconsistency in that it is net of loans against insurance but not of other indebtedness.

Debts

All debts, except policy loans on insurance, whether or not secured by mortgages. Included were mortgages on real estate; notes and other obligations whether or not secured by collateral; debts of an unincorporated business; property, income, and gift taxes accrued; amounts due to brokers; and unpaid charitable pledges (but not bequests). Two kinds of debts were included which are not appropriate to the estates of the living: debts incurred as a result of terminal illness and, in a very few cases, foreign death taxes and State death taxes paid on a charitable bequest.

Net worth

The total equity in all property, real, personal, tangible, and intangible, over which top wealthholders enjoyed beneficial ownership. Net worth differs from the net 'personal wealth' enjoyed by top wealthholders principally because of the treatment accorded annuity and trust assets, and to a lesser extent because (1) foreign real estate was not generally included in estate tax wealth, and (2) the decedent's debts included certain death taxes and unpaid medical bills occasioned by terminal illness. See the discussion of property interests included, page 74.

Type of Asset

Real estate

The full value (not the equity) in real property owned or contracted to purchase, in general only if such property was situated in the United States. Included were the personal residence, commercial and business property from a sole proprietorship such as an apartment building or store; unused or improved property held for sale; farm lands including growing crops if not separately

valued. Accrued rent on real property was included with the value of the property.

The only foreign real estate included was shown on returns for decedents who died after October 16, 1962, and who had acquired foreign real estate, except generally by gift or inheritance, on or after February 1, 1962. The amount shown as real estate for U. S. citizens domiciled abroad (Table 31 'Other areas') is probably seriously understated by the exclusion of foreign real estate.

Bonds

Federal, State, municipal, corporate, and foreign bonds and notes. Included were Federal savings bonds; U. S. Treasury notes whether short or long-term; bonds issued by a State, U. S. possession, municipality or other government authority such as the Port of New York Authority, or the Federal Housing Administration; certificates of deposit issued for bonds; contracts to purchase bonds; convertible notes with coupons; debenture bonds; mortgage bonds (when one of a series); participating bonds; private bonds; scrip in connection with bonds; and units composed of stocks and bonds combined. Interest accrued on bonds was also included.

Corporate stock

Common, preferred, and debenture stock of domestic and foreign corporations. Included was stock traded on an exchange or over the counter, stock in a closely-held corporation, certificates of deposit issued for stock (street accounts), seat on or membership in a stock exchange, contracts to purchase stock, scrip in connection with stock. Dividends accrued were included with the value of the stock.

Cash

Currency and coins on hand or in safety deposit boxes, checks, checking accounts, savings deposits including certificates, savings and loan accounts and postal savings accounts. Included were joint savings or checking accounts except, of course, the surviving tenant's contribution to the account, cash in a broker's account, Massachusetts cooperative bank shares, and defense and postal savings stamps.

Notes and mortgages

Promissory notes, loans, mortgages, trust deeds, and contracts to sell land. Included were certificates of deposit issued for mortgages, and items designated "bonds and mortgages" when the issue was not one of a series. Accrued interest on these obligations was included.

Life insurance equity

The cash surrender value of life insurance estimated as discussed in the text (See page 76.) by applying ratios to *life insurance face* computed from the Institute of Life Insurance's 1965 Study of Savings in Life Insurance. This adjustment from face to equity was made using ratios appropriate on an aggregate and not an individual basis. Thus, the number of top wealthholders shown in the tables

as having equity in life insurance considerably overstates the actual number with such amounts. The frequency shown is more meaningfully interpreted as the number of top wealthholders that would have had insurance includable in their estate.

Other assets

Household goods, automobiles, clothing, jewelry, and other personal effects; accumulated and post mortem dividends from life insurance; royalties; patents; lump sum death benefits from Social Security; mineral rights if valued separately from real estate; the net value of sole proprietorship or partnership interests in assets other than real estate, cash, etc., such as accounts receivable, inventories, livestock, and machinery: remainder interest in a trust or estate; and the cash surrender value of pensions or annuities which were receivable by a surviving beneficiary except those specified under Section 2039(3) of the Internal Revenue Code and then only the proportion of the cash value which the decedent's contribution bore to the cost was included. Also included were certain lifetime gifts: (1) gifts taking effect at death; (2) gifts of property in which the decedent retained income rights; and of property over which the decedent retained the right to alter, amend, revoke, or terminate the enjoyment or use; and (3) transfers made by the decedent within three years prior to death, presumed to be in contemplation of death. See the discussion of property interests included, page 74.

Information Items

Life insurance face

The proceeds from insurance on the life of the decedent payable to his estate or over which the decedent had the power to change the beneficiary, cancel or assign the policy, to pledge the policy for a loan, etc. Included were death benefits paid by fraternal beneficial societies operating under the lodge system and the cash surrender value of policies the decedent owned on the life of another. "Life insurance" did not include the value of post mortem dividends and dividends accumulated at interest; these were included in "Other assets".

Jointly owned property

Property held by the decedent with his spouse as a tenant by the entirety, or with his spouse or other person as a joint tenant with right of survivorship. Included was the entire value of the property except that portion attributable to the contributions of the surviving joint tenant. Jointly owned property was allocated to the appropriate asset type as well as being shown separately.

Powers of appointment

Property over which the decedent held a *general* power of appointment, that is property over which the decedent did not have title but did have the power to designate who should enjoy it. To be included in the estate, a power of appointment must be exercisable in favor of the individual himself or his estate or the creditors of either. For

example, if property has been transferred in trust for the life of an individual, with a power to consume the entire principal of the trust, he has a general power of appointment. If the decedent designated himself as the beneficiary, the property interests, while included, lost their "character". Thus property was usually shown as held under a power of appointment only when the power had not been exercised. Powers of appointment were allocated to the appropriate asset type as well as being shown separately in table A.

Estate Tax Return Statistics

Estate tax return data represent estimates of the holdings of deceased top wealthholders. They also, of course, constitute the sample from which the characteristics of living top wealthholders were estimated. Summary statistics from the sample are shown in all the basic tables

and have been tabulated in considerably more detail in Statistics of Income-1962, Fiduciary, Gift, and Estate Tax Returns.

Gross estate

Property to the extent of decedent's interest therein at date of death, not reduced by mortgages, debts (except policy loans against insurance), or administrative expenses. Included were real estate situated in the United States (see "Real estate"), tangible and intangible personal property, certain lifetime gifts, generally joint estates with right of survivorship and tenancies by the entirety, property over which decedent had a general power of appointment, dower and courtesy of surviving spouse, proceeds from life insurance, and the decedent's interest in annuities receivable by a surviving beneficiary. Community property was included to the extent of the decedent's interest in such property.

SIZE OF NET WORTH

Table 1. -ALL TOP WEALTHHOLDERS

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			Debts			Type of asset							
	V	Total				Net	Real	estate		Bonds		Corporate	stock
Net worth	Number of assets top wealth-holders			Number of top wealth-		worth	Number of Amount		Number	of Amount		Number of	Amount
	norders	(Thousand	hold	iers	housand	(Thousand	top wealth- holders	(Thousand	top weal	lth-	housand	top wealth- holders	(Thousand
· <u> </u>	(2.)	dollars)			(4)	doller=) (5)	(6)	doilers)	(8)	- d	(9)	(10)	(11)
	(1)	(2)	(3)							005 45			325,813,740
Total	4,132,207	751,974,4	.53 3,65	4,689 82,	711,864	669,262,592	3,443,739	188,034,65			940,293	3,282,693	
Net deficit	25,080	4,519,3	188 2	· '	983,498	-1,464,111	19,059	2,080,75		,989	44,190	16,787	402,689
Under \$30,000	261,387 147,430	11,169,2		3,577 6, 8,418 3,	289,058 440,098	4,880,148 5,179,808	210,549 133,525	5,530,13 4,352,62	25 50		97,167 127,905	133,448 108,199	1,086,397
\$40,000 under \$50,000 \$50,000 under \$60,000	175,885 268,444	11,499,6	570 16	3,593 3,	550,219 039,634	7,949,452 14,914,164	152,708 236,608	5,476,95 8,599,95	53 62 54 97	,337 ,451	227,759 461,203	124,943 197,007	1,763,161 3,312,440
\$60,000 under \$70,000	464,366			38,103 3,	944,572	30,159,737	377,063	13,541,78	32 205	,002 1,	,449,002	331,869	7,551,805
\$70,000 under \$80,000 \$80,000 under \$90,000	396,926 328,559		32		855,697 911,873	29,731,178 27,909,644	321,688 275,839	11,714,40	04 197 28 151	,707 1, ,150 1,	,566,976 ,454,557	301,809 261,414	8,197,561 8,129,360
\$90,000 under \$100,000	265,582	29,210,4	17 21	18,892 4,	025,465	25,184,952 44,914,843	222,468 342,757	10,272,38	35 1.21,	472 1	,200,708 ,307,753	206,805 340,612	7,276,532 15,664,213
\$100,000 under \$120,000 \$120,000 under \$150,000	411,461 387,513		16 34	10,933 5,	310,485	51,718,232	320,476	18,192,48	38 213	,422 2	758,512	333,829	19,183,542
\$150,000 under \$200,000	330,334		743 30		991,892 338,920	56,716,851 71,757,425	277,840 247,519	16,817,6	48 188 59 182	,467 3, ,096 4,	,380,118 ,107,853	293,787 274,305	23,656,076 33,362,796
\$200,000 under \$300,000 \$300,000 under \$500,000	295,559 197,118	81,045,7	754 18	38,399 5,	641,052	75,404,703	160,386	16,305,0 13,351,7	49 135	932 5	,195,048 ,720,042	186,211 113,214	40,629,397 47,302,324
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000	116,994 39,654		595 13 348 3	11,952 5, 39,391 4,	145,715 904,901	79,845,980 54,306,947	95,043 32,715	6,158,1	34 33	082 6	702,967	39,028	37,096,088
\$2,000,000 under \$3,000,000	9,554	25,270,7		9,554 1	966,820	23,303,887	8,139	2,263,10			,674,298 ,152,871	9,071 5,898	16,597,946 16,376,369
\$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000	5,907 2,673	18,850,3	381	2,556	387,755 918,151	22,611,300 17,932,230	5,416 2,200	1,007,0	11 2	548 2	,306,161 ,005,198	2,673	12,889,787 24,202,340
\$10,000,000 or more			546	1,784 1,853		26,305,221	1,743 658,564		⁶⁴ 1	1,765 2,005		1,784	24,202,340
	Type of asset—Continued						Information items Estate tax return statistics					statistics	
			Notes and	otes and mortgages Life in		surance equity	Other	Life insurance	Jointly ow	ned proper	rty Numb	Gross	Net
Net worth	Number of	Amount	Number of top	Amount	Number of top		assets	face value	Number of top	Amount	of retur	estate	worth
	top wealth- holders	(Thousand dollars)	wealth- holders	(Thousand dollars)	wealth holder	- (Thousand	(Thousand dollars)	(Thousand dollars)	wealth- holders	(Thousand	, I	(Thousand dollars)	(Thousand dollars)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22		(24)
Total	3.954.846	70,669,443	1,278,918	30,413,041	2,950,289	9 15,568,396	73,534,876	95,552,607	2,545,110	109,726,5	70 78,	393 17,007,239	15,548,462
Net deficit	· —	158,606	5,525	149,555	23,110	180,025	1,503,572	1,566,261	12,073	617,2	99 :	137; 29,796	-14,209
Under \$30,000	235,815	582,105	34,450	152,160	1	i i	2,054,602	17,631,228	173,034	3,597,0	13 8	85,880	
\$30,000 under \$40,000 \$40,000 under \$50,000	135,449 163,548	576,692 922,300	26,247 37,393	112,599 318,868	141,598	843,022	1,474,149	8,064,847 7,124,030	111,922 128,246	3,022,5 3,815,7	22 1,2	717 70,962 233 110,635	56,043
\$50,000 under \$60,000	256,160	1,948,142 5,028,609	59,715 120,600	714,137 1,406,580	229,73	921,362	2,996,559 4,181,209	6,292,165 5,616,506	168,161 274,769	5,174,7 8,531,1	28 2,9	923 234,301	
\$60,000 under \$70,000		5,417,268	109,579	1,332,331	262,39	1	3,495,107	5,048,209	236,792	8,289,5	- 1		625,282
\$70,000 under \$80,000 \$80,000 under \$90,000	313,692	4,242,304	103,714	1,418,754	216,44	1 738,314	3,287,297 3,083,010	4,069,563 4,067,763	197,088 168,087	7,498,1 7,246,4	61 6,	356 642,447	581,794
\$90,000 under \$100,000 \$100,000 under \$120,000	255,515 394,918	3,837,879 6,524,464	84,893 136,024	2,826,648 2,317,838	174,05° 263,71	6 1,112,985	4,825,353	5,820,017	262,195 243,806	12,299,6	88 9,0	004 1,079,716 662 1,266,505	984,255
\$120,000 under \$150,000	1	7,085,747	136,804	2,821,169	264,66		5,755,559	6,255,709	198,702	11,566,7		022 1,499,392	
\$150,000 under \$200,000 \$200,000 under \$300,000	324,136 290,852	7,243,191 7,810,341	128,822 131,646	3,075,384 3,955,269	217,44	5 1,479,189	6,298,542 7,883,134	5,679,315 7,186,036	170,583	10,707,7	52 7,	022 1,841,577	1,699,817
\$300,000 under \$500,000 \$500,000 under \$1,000,000	194,702 116,495	6,809,956 6,297,903	83,478 52,234	3,360,469 2,889,009	77,22	4 859,439	7,589,713 7,571,207	4,707,603 3,610,176	108,796 64,359	7,524,4 4,517,0	75 2,	934 2,007,461 870 2,071,055	1,954,044
\$1,000,000 under \$2,000,000		3,162,658	16,445	1,611,636	25,84	3 452,092	4,028,274	1,745,629	18,261	1,234,5	l l	073 1,553,782	1
\$2,000,000 under \$3,000,000	9,554	1,303,263	5,333	690,989	5,89		1,585,563	651,574	4,633	769,6		263 671,759 178 719,184	
\$3,000,000 under \$5,000,000	5.907	913.022	3.489	537,451	3,53	158, 87	1,643,948	253,410	2,247	210,4		1/0 / /179104	
\$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	5,907 2,673	913,022 561,370 243,622	3,489 1,312 1,214	537,451 293,090 429,105	3,53. 1,40 53	608ر38	1,643,948 1,754,354 592,673	102,243 60,323	2,247 927 430	240,8 240,8 37,5	35	84 587,891 30 550,437	558,763

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted.

SIZE OF TOTAL ASSETS

Table 16. -ALL TOP WEALTHHOLDERS

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

· · · · · · · · · · · · · · · · · · ·		Ţ	T	Debts					Tyl	pe of a	sset			
	Number of	Total asset	8			Net worth	Real	estate		Bone	ds		Corporate	stock
Total assets	top wealthholder	(Thousand dollars)	Numbe to wealthh	p colders	Thousand dollars)	(Thousand dollars)	Number of top wealthholder	Amount (Thousand	Number top wealthho	9	Amour (Thousa	and W	Number of top ealthholders	Amount (Thousand dollars)
	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)		(9)		(10)	(11)
Total	4,132,207	751,974,45	3,65	64,689 82	2,711,864	669,262,592	3,443,739	188,034,65	6 2,021,	,035	47,940,	293	3,282,693	325,813,740
Under \$60,000. \$60,000 under \$70,000. \$70,000 under \$80,000. \$80,000 under \$90,000. \$90,000 under \$100,000.	495,364 467,372 437,217 357,855 293,532	30,348,79 32,725,25 30,363,43	7 39 6 36 19 30	1,108 1 6,703 1 12,884 2	3,422,702 3,422,702 3,414,100 2,963,434 2,843,566	15,778,752 26,926,095 29,311,157 27,400,005 25,051,444	397,060 379,281 358,160 301,592 244,977	11,419,08 12,189,94 11,520,91	9 204, 7 204, 3 161,	918 904 008	538, 1,383, 1,571, 1,443, 1,256,	189 519 671	321,776 334,081 314,288 277,538 226,973	3,033,403 6,671,289 7,737,134 7,595,002 7,095,535
\$100,000 under \$120,000. \$120,000 under \$150,000. \$150,000 under \$200,000. \$200,000 under \$300,000. \$300,000 under \$500,000.	469,171 446,708 395,021 331,008 237,793	59,655,66 68,068,06 80,254,62	9 40 0 36 0 31	0,128 6 6,996 7 1,996 8	5,447,877 5,586,452 7,897,092 8,962,141 8,873,279	45,870,621 53,069,217 60,170,968 71,292,479 81,769,741	399,145 379,061 337,246 280,590 199,617	19,729,86 20,736,51 21,938,00	4 222, 0 204, 5 194,	382 607 081	2,243, 2,715, 3,343, 4,222, 5,272,	344 155 187	378,125 373,701 338,381 300,059 223,596	15,034,920 19,386,539 24,142,006 32,891,177 42,261,288
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	133,727 43,690 10,417 7,211 4,277 1,847	59,660,11 25,226,44 26,710,50 27,047,52	0 4	3,427 5 0,417 2 7,211 4 4,159 3	0,594,521 6,223,919 1,792,302 1,275,520 3,164,129 1,138,514	82,539,692 54,436,191 22,434,139 22,434,982 23,883,397 26,893,711	109,722 36,084 8,919 6,682 3,797 1,806	7,066,55 3,360,27 2,750,98 1,914,93	4 34, 7 7, 3 5, 8 3,	,871 ,368 ,823	6,856, 6,126, 3,188, 2,887, 2,832, 2,059,	170 257 722 560	127,976 43,157 9,717 7,202 4,277 1,847	48,392,533 37,144,011 14,383,332 16,598,139 18,693,010 24,754,421
			Type of	asset—Co	ntinued			In	formation i	tems		Estat	e tax return	statistics
•	Cas	h I	Notes and	mortgages	Life insu	rance equity	Other	Life	Jointly ow	ned pro			Gross	
Total assets ·	Number of top wealth- holders	(Thousand	umber of top wealth- holders	Amount (Thousand	Number of top wealth- holders	Amount (Thousand	Assets (Thousand dollars)	insurance face value (Thousand dollars)	Number of top wealth- holders	Amo (Thous	ount sand	Number of return	estate	Net worth (Thousand dollars)
	(12)	(13)	(14).	(15)	(16)	(17)	(18)	(19)	(20)	(21		(22)	(23)	(24)
Total	3,954,846	70,669,443 1,	278,918	30,413,041	2,950,289	15,568,396	73,534,876	95,552,607	2,545,110	109,726	6,570	78,39	3 17,007,239	15,548,462
Under \$60,000. \$60,000 under \$70,000. \$70,000 under \$80,000. \$80,000 under \$90,000. \$90,000 under \$100,000.	460,247 445,533 413,625 343,863 280,211	2,320,832 4,752,259 5,434,771 4,398,339 3,925,282	108,042 98,647	. 304,768 1,308,621 1,270,069 1,229,015 1,279,364	317,240 289,117 244,936	1,120,535 997,609 848,896	3,363,613 3,693,816 3,524,207 3,327,609 3,155,169	27,754,020 7,606,193 6,425,018 5,246,378 4,187,697	351,495 278,396 268,060 216,606 182,537	7,071 8,010 8,646 7,886 7,443	0,670 6,135 6,552	2,75 8,99 8,57 7,12 6,00	1 625,996 3 678,406 2 636,246	113,038 558,828 611,601 574,310 540,706
\$100,000 under \$120,000	444,415 425,780 382,658 323,826 234,575	7,137,004 7,604,972 7,741,338	154,107. 152,297 148,235 142,074 106,503	2,476,888 2,840,022 3,445,402 3,656,851 4,194,074	309,367 270,049 229,050	1,388,890 1,475,958 1,588,321	5,517,468 6,458,003 7,320,055 8,216,738 9,109,737	7,154,712 7,640,223 7,690,188 7,827,491 6,384,191	296,606 273,897 242,152 200,590 133,300	12,986 13,450 13,780	6,628 0,549 0,264 1,922	9,40 9,21 8,63 7,57 5,33	1,076,079 4 1,284,877 3 1,548,620 4 1,898,368	978,237 1,164,842 1,404,540 1,727,100 1,925,644
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	133,025 43,336 10,417 7,211 4,277 1,847	6,610,030 3,153,507 1,432,730 752,619 838,743 268,314	6,360	3,175,731 1,542,587 723,277 2,065,230 438,121 463,021	29,745 6,934 4,654	493,976 169,233 108,769 47,402	9,229,813 4,133,306 1,969,336 1,547,039 2,282,756 686,215	4,414,371 1,849,278 748,176 395,019 166,243 63,411	71,109 20,262 4,924 3,079 1,618 480	74.5 276 333	4,923 3,841 5,149 6,593 3,705 9,148	3,06 1,12 29 18 10 3	2 1,555,721 0 706,019 7 712,872 0 663,156	1,989,111 1,462,131 660,071 669,463 618,669 550,169

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted.

SIZE OF TOTAL ASSETS

Table 17. -MALE TOP WEALTHHOLDERS

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			De	bts				Type of	asset		
	Number of	Total assets		_	Net worth	Real	estate	Bon	ds	Corporat	e stock
Total assets	top wealthholders	(Thousand dollers)	Number of top wealthholders	Amount (Thousand dollars)	(Thousand dollars)	Number of top wealthholders	Amount (Thousand .dollars)	Number of top wealthholders	Amount (Thousand dollars)	Number of top wealthholders	Amount (Thousand dollars)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Total	2,538,643	439,112,075	2,280,050	61,730,100	377,381,976	2,193,743	118,317,986	1,174,904	23,510,51	1,982,588	175,731,484
Under \$60,000. \$60,000 under \$70,000. \$70,000 under \$80,000. \$80,000 under \$80,000. \$90,000 under \$100,000. \$100,000 \$100,000 under \$120,000. \$120,000 under \$150,000. \$150,000 under \$200,000. \$200,000 under \$200,000. \$200,000 under \$300,000. \$200,000 under \$200,000. \$200,000 under \$300,000. \$300,000 under \$2,000,000. \$3,000,000 under \$2,000,000.	6,139 3,894	18,704,666 17,707,530 17,577,217,021,197 16,486,130 30,039,514 34,210,299 40,992,01 49,852,797 52,340,022 50,439,300 32,697,225 14,978,266 14,821,646	223,332 201,034 173,961 149,534 241,175 235,650 223,050 195,03 133,227 73,181 23,212 6,139 3,894	4,860,440 2,636,208 2,335,950 2,121,216 2,078,777 4,044,476 4,465,700 6,022,671 6,766,719 6,408,130 6,417,200 4,203,304 1,217,953	13,844,227 14,391,322 15,241,622 14,899,982 14,407,354 25,995,039 29,7744,595 34,969,300 43,966,300 43,969,400 43,964,402 11,210,234 12,684,029 11,210,234	150,501 243,721 229,696 209,879 181,316 119,565 62,491 20,125 5,070 3,567	7,670,501 6,712,750 6,712,561 6,473,675 6,378,597 11,276,977 12,058,592 13,287,176 14,398,985 12,214,107 10,534,675 5,069,082 2,226,812 1,764,743 938,033	110,157 107,865 87,935 78,817 112,103 121,682 116,484 113,851 87,401 48,239 17,678 4,598 2,478	448, 22- 710, 98 728, 76 679, 95- 678, 36- 1, 092, 82- 1, 452, 31- 1, 719, 54- 2, 241, 68- 2, 631, 80- 3, 275, 98- 2, 468, 46- 1, 914, 82- 893, 03- 1, 013, 64-	184,813 169,697 192,187 136,325 2 214,911 3 203,605 186,946 128,875 3 71,360 2 23,158 5,606 3 3,885	2,539,647 3,962,035 3,529,838 3,696,345 3,683,183 7,321,907 9,705,360 13,044,567 19,055,796 23,556,806 25,876,950 18,924,313,7,669,279 8,841,876
\$5,000,000 under \$10,000,000 \$10,000,000 or more	2,079 1,237	13,615,771 18,307,425		1,955,903	16,351,522		599,701		1,560,10		14,917,121
			Type of asset	-Continued			Infor	mation items	Est	ate tax return	statistics
	Cash	ı K	otes and mortga	ges Life ins	urance equity	Other	Life J	ointly owned p	roperty	Gross	

			Type (of asset—Co	ntinued			Inf	ormation it	ems	Estate	tax return s	tatistics
	С	ash	Notes and	l mortgages	Life insur	ance equity	Other	Life	Jointly ow	ned property		Gross	
Total assets	Number of top wealth- holders	Amount (Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollars)	assets (Thousand	insurance face value (Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollars)	Number of returns	estate (Thousand dollars)	Net worth (Thousand dollars)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	2,431,873	38,689,790	803,060	19,784,096	2,214,938	13,943,166	49,135,035	86,513,268	1,780,268	81,874,760	49,604	10,799,320	9,572,454
Under \$60,000. \$60,000 under \$70,000. \$70,000 under \$89,000. \$80,000 under \$99,000. \$90,000 under \$100,000. \$100,000 under \$120,000. \$120,000 under \$150,000.	250,204 224,103 192,868 166,447 261,973 246,188 229,203	1,887,103 2,409,000 2,644,730 2,230,350 2,066,961 3,619,113 3,790,036 4,305,473	57,595 56,497 54,428 94,704 93,387 99,143	267,219 596,636 636,644 761,694 710,713 1,498,109 1,643,926 2,125,028	444,329 222,435 195,625 171,080 144,040 228,767 217,668 201,047	2,745,480 993,526 883,668 744,403 654,144 1,123,644 1,237,398 1,338,079	2,507,598 2,441,368 2,434,777 2,314,164 4,106,940 4,322,671 5,172,143	6,919,731 5,761,361 4,655,557 3,745,309 6,692,964 6,790,503 6,976,362	334,625 173,595 162,226 137,144 120,987 196,867 184,368 165,819	6,837,180 5,376,682 5,434,818 5,230,060 5,226,387 9,309,978 9,662,505 10,385,640	2,553 5,227 5,122 4,306 3,661 5,936 5,945 5,573	207,883 378,195 418,027 395,060 374,292 694,316 845,028 1,018,438	103,390 320,180 361,201 343,155 325,667 610,688 743,916 895,579
\$200,000 under \$300,000 \$300,000 under \$500,000	201,348 134,500	4,557,272 4,236,581	92,742 70,341	2,346,744 2,808,505	176,780 118,149	1,418,507 1,252,473		6,935,416 5,664,580	146,361 92,127	10,812,566 7,181,983	4,896 3,414	1,243,157	1,098,040 1,216,171
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	23,058 6,139 3,894	3,260,142 1,766,597 965,395 366,097 404,553 180,385	37,118 11,910 3,794 2,744 1,567 965	1,963,037 1,204,059 515,786 1,871,706 382,715 451,574		852,652 393,247 154,730 96,757 34,776	2,871,462 1,332,141 987,436	3,888,339 1,475,314 698,366 353,264 114,938 (1)	46,500 13,341 3,375 1,784 920	4,107,673 1,140,797 690,904 190,787 256,658 (1)	1,914 692 174 118 53 20	1,340,123 968,462 426,407 450,738 354,998 328,787	1,221,248 891,823 390,384 416,199 327,384 307,429

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted. Estimate is not shown separately because of high sampling variability.

SIZE OF TOTAL ASSETS

Table 18. - FEMALE TOP WEALTHHOLDERS

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

				Debt.					Ţ	ype of ass	et_		
•	Number of	Total assets	Nimit	er of	Amount	Net worth	Real	estate		Bonds		Corporat	e stock
Total assets	top wealth- holders	(Thousand	top w	ealth- ders	(Thousand dollars)	(Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollars)		lth-	lmount housand olians)	Number of top wealth- holders	Amount (Thousand dollars)
	(1)	(2)	(,	3)	(4)	(5)	(6)	(7)	(8)		(9)	(10)	(11)
Total	1,593,56	312,862,3	78 1,2	374,639	20,981,764	291,880,616	1,249,996	69,716,6	70 846	131 24,	429,776	1,300,105	150,082,256
Under \$60,000	51,03 204,82; 202,51 157,30 120,04;	2 13,321,2 3 15,147,6 1 13,342,2	67] 84] 42]	41,064 167,776 165,669 128,922 97,308	251,875 786,494 1,078,149 842,218 764,789	1,934,525 12,534,773 14,069,535 12,500,023 10,644,091	34,527 153,519 157,666 125,549 94,476	702,0 4,705,3 5,477,3 5,047,2 4,068,9	39 94 86 97 37 73	,040 ,073	90,010 672,203 842,756 763,715 578,252	34,064 149,268 144,591 125,351 90,648	493,756 3,575,254 4,207,295 3,898,657 3,412,352
\$100,000 under \$120,000 \$120,000 under \$150,000 \$150,000 under \$200,000 \$200,000 under \$500,000 \$300,000 under \$500,000	194,993 189,834 157,686 124,664 100,539	25,445,3 27,076,0 30,401,8	75 1 49 1 28 1	.66,588 .64,477 .43,946 .16,984 95,848	1,403,401 2,120,752 1,874,421 2,205,422 2,465,148	19,875,583 23,324,623 25,201,628 28,196,406 35,837,848	155,423 149,364 127,366 99,274 80,052	6,829,7 7,671,2 7,449,3 7,539,0 8,583,0	72 100, 34 88, 20 80,	701 1, 123 1, 230 1,	150,717 263,031 623,612 980,506 641,053	163,214 163,509 134,776 113,113 94,721	7,713,013 9,681,179 11,097,439 13,835,380 18,704,481
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	59,44° 20,284 4,278 3,316 2,198 611	26,962,8 10,247,4 11,888,8 13,431,7	87 73 54 54	55,504 20,214 4,278 3,316 2,133 611	3,177,321 1,020,614 497,363 664,106 1,647,076 182,612	38,517,584 25,942,273 9,750,110 11,224,748 11,784,678 10,542,189	47,232 15,959 3,849 3,115 2,031 593	6,375,8 1,997,4 1,133,4 986,2 976,8 173,3	71 16, 65 3, 40 2, 35 1,	699 3, 273 1, 890 1, 932 1,	580,039 657,708 273,431 994,688 818,913 499,142	56,616 19,999 4,111 3,316 2,198 611	22,515,583 18,219,697 6,514,053 7,756,263 8,620,551 9,837,300
, , , , , , , , , , , , , , , , , , , ,			Typ	e of asse	t—Continue	d		Inf	rmation ite	ms	Esta	te tax return	statistics
	Cas	h	Notes an	d mortgag	es Life ins	urance equity		Life	Jointly own	ed proper	ty	1	
Total assets	Number of top wealth- holders	Amount (Thousand	Number of top wealth	Amount	Number of top wealth	Amount	Other assets	insurance face value (Thousand	Number of top wealth- holders	Amount (Thousand	Number of retur	estate	Net worth
<u></u>		dollers)	holders	dollers)	holder	dilere)	dollars)	dollars)	IIOIUCI B	dollars)		dollars)	dollars)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	1,522,973	31,979,653	475,858	10,628,9	5 735,35	1 1,625,230	24,399,841	9,039,339	764,842	27,851,81	.0 28,78	6,207,918	5,976,008
Under \$60,000	45,269 195,329 189,522 150,995 113,764	433,729 2,343,259 2,790,041 2,167,988 1,858,320	3,803 55,049 50,447 42,150 36,463	37,54 711,94 633,4 467,3 568,6	94,80 93,49 1 73,85	5 127,009 3 113,941 6 104,493	217,119 1,186,218 1,082,839 892,832 841,005	1,963,991 686,462 663,657 590,821 442,387	16,870 104,801 105,833 79,462 61,550	234,38 2,633,98 3,211,31 2,656,49 2,217,24	3,76 17 3,45 1 2,81	247,801 260,379 6 241,186	238,648 250,400 231,154
\$100,000 under \$120,000 \$120,000 under \$150,000 \$150,000 under \$200,000 \$200,000 under \$300,000 \$300,000 under \$500,000	182,442 179,593 153,454 122,478 100,075	3,090,534 3,346,969 3,299,499 3,184,066 3,352,474	59,403 58,910 49,092 49,333 36,161	978,77 1,196,09 1,320,37 1,310,10	6 91,699 4 69,002 7 52,270	151,492 137,879 169,814	1,410,528 2,135,332 2,147,912 2,382,934 3,469,993	461,747 849,720 713,827 892,075 719,611	99,740 89,529 76,333 54,230 41,173	3,676,65 3,788,04 3,394,62 2,369,35 2,173,31	3,26 3,06 6 2,67	9 439,849 0 530,182 8 655,211	420,925 508,961 629,060
\$500,000 under \$1,000,000 \$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	59,370 20,278 4,278 3,316 2,198 611	3,349,888 1,386,910 467,335 386,522 434,189 87,928	22,277 7,524 2,566 1,328 1,041	1,212,69 338,52 207,49 193,52 55,40 (1)	8 9,436 1 1,650 4 1,224 5 595 (1)	100,728 14,503 12,012	4,553,944 1,261,844 637,195 559,604 1,513,184 107,359	526,032 373,964 49,810 41,755 51,305	24,609 6,921 1,548 1,295 698	1,037,25 233,04 54,24 85,80 77,04 (1)	4 43 6 11	0 587,259	570,307

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted.

1Estimate is not shown separately because of high sampling variability.

			141	71e 17	TOTABLE OF		THHOLDERS			ize of tota								
	Tot	el	Under \$	60,000	\$60,000 \$70,	under		0 under	\$80,000 \$90,	under		0 under	\$100,000 \$120,		\$120,000 \$150,		\$150,00 \$200	0 under
Net worth	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders
•	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Total	78,393	4,132,207	2,751	495,364	8,991	467,372	8,573	437,217,	7,122	357,855	6,007	293,532	9,405	469,171	9,214	446,708	8,633	395,021
Net deficit	137	25,080	36	8,679	16	2,971	7	(1)	12	1,219	5	(1)	13	1,977	9	(¹)	13	1,924
Under \$30,000. \$30,000 under \$40,000. \$40,000 under \$50,000. \$50,000 under \$60,000. \$60,000 under \$70,000.	834 717 1,233 2,923 9,421	261,387 147,430 175,885 268,444 464,366	604 430 637 1,044	218,065 96,261 84,558 87,802	71 115 282 1,127 7,380	13,863 28,253 43,101 83,088 296,095	44 61 128 369 1,368	11,283 8,254 20,487 47,106 87,996	20 25 62 162 327	2,786 3,047 9,202 23,682 31,440	24 25 46 77 143	3,563 2,294 6,372 7,188 17,312	18 26 45 74 108	3,831 3,940 7,386 9,736 16,544	25 16 16 48 66	3,821 2,748 2,148 6,539 11,379	14 10 13 15 17	2,327 1,406 1,925 2,847 2,159
\$70,000 under \$80,000. \$80,000 under \$90,000. \$90,000 under \$100,000. \$100,000 under \$120,000. \$120,000 under \$150,000.	8,357 6,856 5,773 9,004 8,662	396,926 328,559 265,582 411,461 387,513					6,596	260,920	1,181 5,333	79,176 207,305	277 987 4 , 423	26,428 63,887 165,788	195 329 1,058 7,539	19,102 37,041 69,127 300,488	67 132 210 1,191 7,434	7,500 12,654 22,430 85,672 290,638	33 59 62 209 1,049	3,071 6,107 6,355 20,083 77,428
\$150,000 under \$200,000 \$200,000 under \$300,000. \$300,000 under \$500,000. \$500,000 under \$1,000,000. \$1,000,000 under \$2,000,000.	8,022 7,022 4,934 2,870 1,073	330,334 295,559 197,118 116,994 39,654															7,139	269,390
\$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	263 178 84 30	9,554 5,907 2,673 1,784																
			1000 00		1 4200 00	20	T +500 0	00 under		of total ass 000 under	sets—Contir	nued 1000 under	\$3,000.0	000 under	\$5,000,0	000 under	\$10,000,00	2 00 0000
				00 under 0,000	\$500,00	00 under 0,000	\$1,00	00,000		00,000		00,000		00,000	\$10,0	00,000	\$10,000,00	,
Net worth			Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders	Number of returns	Number of top wealth- holders
			(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)
Total			7,574	331,008	5,330	237,793	3,062	133,727	1,122	43,690	290	10,417	187	7,211	100	4,277	32	1,847
Net deficit			13	2,390	6.	(1)	5	(1)	1	(1)	1	(1)	-	-	-	-	-	-
Under \$30,000 \$30,000 under \$40,000 \$40,000 under \$50,000 \$50,000 under \$60,000			3 4	(1) (1) (1) (1) (1) 1,408	5 2 - 2 1	(1) (1) (1) (1)	1 1	(1) (1) (1)	-	-	-	=	=	-		-	-	-
\$70,000 under \$80,000 \$80,000 under \$90,000	0,000 under \$60,000. 0,000 under \$80,000. 0,000 under \$80,000. 0,000 under \$100,000. 0,000 under \$120,000. 00,000 under \$120,000.				3 2 11 21	(1) (1) 835 2,447	1 6	\\ \{\bar{1}{1}\} =	-	-	-	-	1 -	(1) -	-	-	-	-
\$100,000 under \$120,000			152	16,386	1												1	
\$100,000 under \$120,000			822 6,462	54,965 244,628	55 538 4,684	5,268 47,342 180,200	5 19 245 2,779	(1) 2,683 16,412 111,263	1 3 4 90 1,023	(1) (1) (1) 5,718 36,574	- 1 1 48 239	(1) (1) (2,219	1	(1)		-	-	-

MOTE: Detail may not add to total because of rounding. Data in columns labelled "number of returns" are unweighted. Estimate is not shown separately because of high sampling variability.

SIZE OF CORPORATE STOCK.

Table 20. -MALE TOP WEALTHHOLDERS

Number of top wealthholders, type of asset, information items, and estate tax return statistics

				Det	ts				Ty	pe of ass	set		
Corporate stock	Number of	Total ass			Amount	Net worth	Real	l estate		Bonds	s	Corporat	e stock
corporate stock	top wealthholde	rs	- -	ber of top	Amount	•	Number of	Amount	Numbe	rof	Amount	Number of	Amount
:		(Thousand dollars)	, ,	hholders	(Thousand doilars)	(Thousand dollars)	top wealthholder	(Thousand dollars)	to wealthh		(Thousand dnliars)	top wealthholders	(Thousand dollars)
	(1)	(2)	(:	3)	(4)	(5)	(6)	(7)	(8)		(9)	(10)	(11)
Total	2,538,64	3 439,112,0	075 2,2	280,050	61,730,100	377,381,976	2,193,743	118,317,9	86 1,17	4,904 2	23,510,517	1,982,588	175,731,484
No corporate stock	164,20	9 16,271,		490,601 150,192	11,187,108 4,055,391	41,991,428 12,216.242				2,337	2,003,953 583,130	Not appli	
\$500 under \$1,000	78,02	7,633,	579	71,096	1,804,311	5,829,268	73,844	4,080,4		1,294	237,582	164,209 78,027	31,732 55,884
\$1,000 under \$1,500. \$1,500 under \$2,000. \$2,000 under \$3,000.	55,13 44,06 71,35	5 3,833,6	672	49,043 39,800 64,084	1,064,342 703,069 1,185,834	4,364,765 3,130,602 5,437,309	51,384 40,794 66,035	2,035,2	295 1	3,530 9,334 1,756	205,853 120,611 239,895	44,065	67,021 76,259 174,594
\$3,000 under \$5,000. \$5,000 under \$10,000. \$10,000 under \$20,000. \$20,000 under \$20,000. \$30,000 under \$50,000.	108,62 162,44 207,27 166,15	7 16,901,6 9 21,184,2	593 . 1 255 . 1	99,402 142,617 184,705 148,704	3,496,077 2,547,685 3,189,727 2,548,454	8,187,601 14,354,008 17,994,528	98,905 150,311 182,900	7,520,3 8,293,2	45 8 83 10	8,731 6,623 3,465	392,890 830,316 1,070,723	162,447 207,279	423,131 1,190,576 3,038,888
, , , , , , , , , , , , , , , , , , , ,	1	6 28,112,5		206,197	3,452,787	15,761,220 24;659,727	143,091 197,196	6,278,4 8,254,9	15 11	6,843 8,963	958,019 1,382,344	166,150 236,806	4,130,302 9,289,843
\$50,000 under \$100,000. \$100,000 under \$200,000. \$200,000 under \$300,000. \$300,000 under \$500,000. \$500,000 under \$1,000,000.	328,23 196,15 65,46 50,46 28,93	8 49,800,0 6 26,214,0 6 29,337,8	006 1 063 376	290,563 184,353 61,806 49,424 28,321	5,401,253 6,492,500 2,360,011 2,308,177 2,977,516	44,136,607 43,307,506 23,854,053 27,029,700 25,280,081	255,937 152,734 50,341 39,587 22,238	8,671,9 3,428,4 2,810,7	63 10 80 4: 56 3	7,347 3,158 6,476	2,237,137 2,302,724 1,670,150 2,189,885 2,331,894	328,231 196,158 65,466 50,466 28,938	23,220,238 27,327,219 15,897,779 19,284,568 19,812,934
\$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 or more	12,61 2,40 2,23 1,97	5 7,579,8 3 10,970,4	96	12,579 2,405 2,233 1,927	2,789,566 496,478 1,383,482 2,286,333	21,729,045 7,083,322 9,587,013 21,447,950	10,115 2,030 2,070 1,649	2,135,6 281,4 635,1	27 94 79	9,347 1,899 1,901	2,160,371 671,133 740,160 1,181,749	12,616 2,405 2,233 1,979	17,352,362 5,733,523 8,315,429 20,309,199
		,	Туре	of asset	Continued			Inf	ormation in	ems	Esta	te tax return	tatistics
	Cas	sh	Notes an	d mortga	es Life insu	rance equity	Other	Life	Jointly O	ned prop			
Corporate stock	Number of top	Amount	Number of	Amoun	Number of top	Amount	assets	insurance face value	ilumber of	Amoun	t of	Gross estate	Net Worth
	wealth- holders	(Thousand dollars)	wealth- holders	(Thousan	d wealth-	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	wealth- holders	(Thousen	retur	Thousand dollars)	(Thousand
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22		(24)
Total	2,431,873	38,689,790	803,060	19,784,0	96 2,214,938	13,943,166	49,135;035	86,513,268	1,780,268	81,874,7	760 49,6	04 10,799,320	9,572,454
No corporate stock	514,637	6,816,940	147,346	3,300,7	83 456,123	2,152,306	10,450,190	17,043,505	366,163	16,111,1	120 9,8		1,012,681
Under \$500. \$500, under \$1,000. \$1,000 under \$1,500. \$1,500 under \$2,000. \$2,000 under \$3,000.	157,297 74,365 53,980 42,877 68,795	1,858,657 913,968 593,761 479,071 804,817	46,677 22,456 17,319 11,430 20,820	820,7 489,6 305,5 179,6 406,3	35 68,061 82 48,856 42 39,466	337,939 272,710 213,550	2,989,131 1,518,089 1,048,354 729,243 1,546,409	5,111,810 2,770,712 2,201,612 1,767,321 2,839,568	115,321 60,551 39,836 31,234 50,751	4,169,1 2,307,3 1,671,3 1,135,8 1,929,6	371 1,2 364 8 868 6	34 151,732 89 114,874 37 81,555	300,763 127,077 95,319 66,161 108,436
\$3,000 under \$5,000. \$5,000 under \$10,000. \$10,000 under \$20,000. \$20,000 under \$30,000. \$30,000 under \$50,000.	104,553 157,554 199,288 160,653 231,098	1,381,056 2,373,253 2,942,226 2,500,466 3,235,309	36,604 56,432 66,421 58,132 76,172	607,0 1,059,8 1,217,9 1,020,5 1,286,6	89 147,708 80 191,242 58 151,698	893,062 1,142,413 885,040	2,350,646 3,034,256 3,478,744 2,536,858 3,382,625	4,548,459 6,061,329 7,252,883 5,288,920 7,296,043	79,499 124,088 158,096 120,971 172,124	2,993,6 4,973,0 6,506,9 5,263,0 7,951,5	019 2,6 991 3,5 024 3.0	07 344,121 26 455,899 29 388,806	161,061 283,053 377,786 327,803 570,138
\$50,000 under \$100,000. \$100,000 under \$200,000. \$200,000 under \$300,000. \$300,000 under \$500,000. \$500,000 under \$1,000,000.	313,588 190,789 64,295 50,124 28,781	4,513,495 3,519,460 1,746,776 1,841,924 1,279,670	104,812 69,980 26,110 21,016 11,034	2,129,5 3,098,9 1,105,0 759,1 564,5	36 168,766 22 54,718 31 43,455	1,844,792 1,377,638 597,190 557,900 394,126	4,509,196 3,502,012 1,768,664 1,893,661 1,693,184	9,601,430 6,386,375 2,700,551 2,537,503 1,630,096	229,593 130,913 41,663 31,709 18,156	11,737,7 7,900,2 2,638,8 2,238,7 1,398,4	238 5,0 362 1,7 703 1,3	76 1,290,802 69 723,081	1,088,918 1,160,105 662,042 743,715 836,521
\$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 or more	12,583 2,405 2,233 1,979	1,055,517 202,671 254,566 376,189	5,951 1,547 1,452 1,349	435,2 296,5 311,6 388,3	33 1,998 31 1,956	251,780 66,114 64,121 25,597	1,127,690 328,283 649,350 598,449	975,315 245,192 184,574 70,069	6,749 1,272 1,580	504,1 130,5 313,1	589	50 677,751 97 313,845 51 291,562 42 485,275	632,954 296,419 269,119 452,383

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted.

AGE AND MARITAL STATUS

Table 24. --MALE TOP WEALTHHOLDERS WITH NET WORTH OF \$60,000 OR MORE

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

Other	Single	Age Unknown, west	Cular	Widowed.	Married	85 years or more, total	Widowed	Married	80 to 84 years, total	Widoved	Married	75 to 79 years, total	WidowedOther	Married	70 to 74 years, total	WidowedOther	Married	65 to 69 years, total	WidowedOther	Married	60 +0 64 mans +0+a]	Single. Widowed.	55 to 59 years, total	Other	MarriedSingle	50 to 54 years, total	Single. Vidoved.	40 to 49 years, total	WidowedOther	Married	Under 40 years, total	Widowed	MarriedSingle	70+01			Age and marital status		
1,00	5,451 9,654	24,29	41,265	14,882	11,16	28,919	17,262	28,85	51,318	21,415	65,29	96,214	20,049	110,427	143,924	20,361	186,413	226,566	12,993	211,731	244,930	16,965 8,525 5,655	. 263,920	. 2,461	198,316 13,315 4,692	222,284	24,327 6,054 9,435	310,451	7,598	139,768 36,461	183,827	45,060		1,813,618	ε		top wealth- holders	÷ ;	
H	718,615	_		2 3,357,927 9 79,676			2 3,628,929				15,487,174	21,618,497	3,800,439			3,464,899 1,010,740		46,682,085	2,351,368			3,037,591 1,826,752 931,277		T) 400 000	41,660,593 2,339,276 707,838	46,167,273	3,723,059 831,833 4,239,060	67,779,526 58,985, <i>5</i> 74	1,686,450	6,384,761	46,669,391	11,924,499	330,599,204 27,186,947 25,706,959	395,417,609	(2)	(Thousand	assets	Total	
	8,615		33,165		9,036	0 24,882		-	3 43,470		6,619		18,542			18,983		191,015	5,040			8,103 5,318			181,325 12,045 4,438		25,619 5,619 25,619	292,485	3	28,107	167,877	42,590	1,306,886	1,604,958	(2)	holders	Number of top wealth-		Debta
T	300				6 82,239 4 9,313						605,733 31,862		238,342				2,449,489		181,971 175,283			191,392		5 600 060	5,227,725 176,409 59,179 189,042	5,652,355	296,753 153,683 769,859	11,174,966	3	334,014	8,672,346		38,322,232 1,402,898 1,411,317	42,734,852	3	(Thousand	Amount		_
ं [211,828,71				3,103,344			7,025,195			1,631,457			7,63,63			2,540,658					1,635,361		51.003.937	36,432,870 2,162,866 648,658 1,270,525	40,514,919	3,469,200	47,810,610	10 Car	6,050,747	38,106,796	10,326,094	292, 276, 972 25, 784, 049 24, 295, 642	352,682,754	(5)	(Thousand		Net worth	
ı	8,357				1,596			3,958			5,052			6,820			10,01			10,622		7,765 4,305		232,269	66,4°7 3,930 6,003 6,101	199,330	5,282 6,925	251,080	282-647	16,715	126,095		1,324,472 96,397 114,585		(6)	holders		Real estate	
- 1	77 428,682 87,943	_			85,106	بر		25,672			251,979			322,179			478,850			11,867,175 472,220		520,035 280,814	12,663,467	13,912,601	412,535 221,760 335,743	12,634,465	278,930	16,705,531	0.65 - 607 - 81	879,597	9.790.358	2,413,255	6,275,863	97,532,641	(7)	(Thousand dollars)	E .	tate	
	728 728				1,596			2,844			5,188			7,232			10,013			9,190					8,115 2,791 2,030		2,194 4,053	114,206	135,183	25,070	53,934	708°C8	75,737	936,198	(8)	holders	Number of	Bonde	Type of asset
	168,230 8 4,897				320,490			93,714			225,599 377,235			274, 241			258,826			297,968				2,919,909	195,681 33,498 123,848	1,804,721	9,691 267,444	1,960,709	2,539,688	(1)	503,192	1.045.693	2,652,130	22,723,995	(9)	*	- 1		BBet
	30 77 1,300				1,979			3,528			5,970			15,877			11,626			11,561 9,732					10, <i>3</i> 97 3,931 4,946		8,010	228,145	260,024	(1)	120,778		107,738		(jo)	_	Number of top wealth-	Corporate stock	
	56,833				9 410,339 8 1,682,761			1,634,706			761,927			1,670,593			1,178,687			1,242,662	_		21,950,108		1,134,872 260,585 640,763	16,759,886	2,734,930	22,389,390 1,334,589	26,660,295	(1)	21,015,930	25,191,741	12,341,641 10,191,592 5,886,210	169,944,079	(H)	dollars)	Amount	stock	

Footnote at end of table.

AGE AND MARITAL STATUS

Table 24.—MALE TOP WEALTHHOLDERS WITH NET WORTH OF \$60,000 OR MORE—Continued [Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			Туре	of asset—C	ontinued	•		In	formation i	tems	Estate	tax return	statistics
	Ce	ısh	Notes and	i mortgages		insurance quity	7	Life	Jointly ow	ned property			
Age and marital status	Number of top wealth-	Amount	Number of top wealth-	Amount	Number of top wealth-	Amount	Other assets	insurance face value	Number of top wealth-	Amount	Number of returns	Gross estate	Net worth
	holders	(Thousand dhilars)	holders	(Thousand dollars)	holders	(Thousand dollars)	(Thousand dollers)	(Thousand dollars)	holders	(Thousand dollars)	}	(Thousand dollars)	(Thousand dollars)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	1,755,027	35,505,698	672,689	18,744,276	1,509,668	9,763,654	41,203,248	48,430,131	1,255,319	67,754,860	44,671	10,337,632	9,370,119
Married Single	1,426,874	26,972,313 3,995,721	563,640 41,379	16,120,833 848,319		8,579,521 294,487	35,867,471 2,393,459	43,664,135 1,856,984	1,159,459 45,183	65,449,597 1,119,404	31,730	7,602,520 723,835	6,786,600
WidowedOther	135,140 44,530	3,403,633 1,134,031	49,883	1,241,605	95,155	721,324	1,920,597	1,791,109	39,584	895,614	3,378 8,664	1,790,880	692,213 1,695,761
Under 40 years, total	171,676	2,063,676	17,787 58,495	533,519	30,663	168,322	1,021,721	1,117,903	11,093	290,245	899	220,397	195,545
Married	129,135	1,300,210	48,617	944,264	164,080 129,893	752,966 587,742	5,275,846 4,456,480	8,227,657 6,755,606	110,147	4,357,687	242 184	70,918 58,933	50,169 40,208
SingleWidowed	34,943	717,806	8,358	131,473	27,348	80,325	721,747	923,279	8,358	152,416	48	9,513	7,965
Other	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(¹)	-	-	10	2,472	1,996
40 to 49 years, total	300,659	5,125,622	11,8,515	3,873,216	280,518	1,091,603	10,081,869	12,547,111	221,409	11,076,090	1,212	305,734	215,629
Married Single	261,060 24,327	4,225,733 475,327	103,591	3,674,953 88,258	253,149 16,468	1,032,254 24,493	8,997,006 519,239	11,864,912 281,550	209,453	10,813,680	1,058 91	271,178	187,783
WidowedOther	5,837	117,745	7,665 (1)	88,258 (1)	4,412	16,489	172,133	189,530	8,556 (1)	219,596 (1)	24	14,499 3,985	12,487 2,668
	9,435	306,817	5,163	74,548	6,489	18,367	393,491	211,119	(1)	(1)	39	16,072	12,691
50 to 54 years, total	214,551 191,343	3,715,491 375,291,3	83,056 75,191	1,995,035	201,360	863,142	6,005,290	7,253,265	166,490	9,274,318	1,753	414,489	319,509
Single	12,935	323,923	3,678	77,112	183,225 9,258	818,842 17,418	5,641,122 177,732	6,880,988 146,371	486,157 5,199	9,051,789 101,449	1,564	361, 376 361, 19	287,316 17,057
WidowedOther	4,565 5,708	72,224 126,969	1,777 2,410	16,666 122,035	4,312 4,565	15,896 10,986	87,206 99,230	133,589 92,317	1,523 2,282	9,278 111,802	37 47	6,510 12,152	5,116 10,020
55 to 59 years, total	256,070	4,771,771	97,987	2,800,055	234,127	1,547,865	6,501,096	7,233,015	194,286		3,127	738,030	604,315
Married	225,347	4,024,498	87,185	2,520,452	210,324	1,426,140	5,815,139	6,664,202	185,510	10,844,578	2,758	664,068	541,303
SingleWidowed	16,627 8,441	435,345 168,508	4,725 3,292	94,624 122,825	12,324 7,259	39,263 56,272	347,364 202,772	183,476 262,953	4,472 2,364	95,966 40,750	201 101	37,697 24,092	33,661 19,376
Other	655و 5	143,420	2,785	62,154	4,220	26,190	135,821	122,384	1,940	35,393	67	12,173	9,975
60 to 64 years, total	237,913	.5,019,962	.94,400	3,076,408	209,653	1,590,593	5,329,433	5,465,938	180,307	10,550,245	4,958	1,143,074	973,841
Married Single	205,160 14,672	4,102,567 483,314	83,139 4,198	2,745,356 111,567	185,793 10,077	1,467,721	4,666,349 273,883	5,043,697 153,824	171,022 4,792	10,348,310 120,883	4,286 302	1,005,872 61,446	852,792 56,377
WidowedOther	12,795 5,286	284,899 149,182	4,939 2,124	161,629 57,856	10,325 3,458	60,747 17,363	291,096 98,105	208,754 59,663	3,012 1,481	58,175	263 107	50,594	43,913
65 to 69 years, total	221,123	5,222,723	87,058	2,282,690	179,155	j.	}		-	22,877		25,162	20,759
Married	181,408	4,094,504	73,248	1,967,438	152,847	1,590,680	3,757,462 3,244,518	3,769,379	160,977 148,747	9,638,871	6,743 5,548	1,454,192	1,303,098
SingleWidowed	14,750 20,093	471,212 516,978	4,098 7,898	114,806 159,309	7,525 15,657	30,438 126,919	126,208 308,757	72,127 300,754	. 49/04	159,555	444	80,379	75,614
Other	4,872	140,029	1,814	41,137	3,126	18,338	77,979	43,455	6,149 1,377	139,692 31,117	606 145	108,297 30,829	96,706 26,673
70 to 74 years, total	140,518	3,645,050	54,937	1,518,734	107,232	1,034,020	1,976,280	1,876,607	97,200	5,517,310	7,343	1,638,131	1,521,456
MarriedSingle	107,526 10,547	2,677,304 375,187	43,275	1,179,504	85,398	874,403	1,613,125	1,586,937	86,788	5,239,254	5,634	1,298,104	1,205,868
Widowed	19,739	507,953	7,702	80,506 192,624	5,391 14,993	24,718 123,878	92,876 214,796	44,845 224,826	3,607 6,019	103,565 152,350	543 1,023	102,878 199,051	98,566 181,740
Other	2,706	84,606	1,039	66,100	1,450	11,021	55,483	19,999	786	22,141	143	38,098	35, 282
75 to 79 years, total	94,448 63,860	2,710,336 1,768,859	35,357 25,128	909,590 657,536	65,406 47,294	697,649	1,085,553	1,066,743	59,766	3,214,968	7,126	1,628,713	1,542,015
SingleWidowed	7,483	279,713	2,177	54,132	3,067	547,772 16,043	755,729	837,573 24,528	50,642 2,271	2,967,806 72,442	4,836 561	1,168,664	1,102,330 120,846
Other	21,171 1,934	71,349	7,387	161,384 - 36,538	14,260 785	126,493 7,341	227,101 28,796	193,416 11,226	6,403 450	160,195 14,525	1,586 143	302,464	287,669 31,170
80 to 84 years, total	50,274	1,446,229	18,830	512,130	30,897	351,558	522,521	448,420	28,413	1,382,162	5,702	1,353,467	1,307,378
Married	28,098	772,103	10,845	314,396	18,675	233,656	252,493	298,032	21,789	1,208,269	3,206	811,064	780,574
SingleWidowed	4,410 17,037	182,294 472,071	1,368 6,309	26,487 143,380	1,557	8,402 102,085	24,510 225,145	10,717	1,287 5,112	50,272 117,837	494 1,918	106,550 406,340	104,647 393,983
Other	729	19,761	308	27,867	342	7,415	20,373	9,461	225	5,784	84	29,513	28,174
85 years or more, total	28,396	834,135	9,673	223,594	14,609	148,655	222,927	189,613	13,276	582,941	5,670	1,460,031	1,413,910
Married	10,893 2,442	307,131 104,356	3,871 683	98,327 17,276	6,233 719	66,530 4,897	87,775 13,054	84,861 6,247	8,172 586	430,973 16,709	2,188 484	628,221 153,602	608,498 151,512
WidowedOther	14,652	411,446	4,972	103,024 4,967	7,526	76,264 964	120,962	97,276	4,402	133,321	2,918	662,535	721, 638
Age unknown, total	39,499	1	i.	ŀ	. 1	1	1,136	1,229	116	1,938	80	15,673	15,179
Married	23,044	950,703 507,029	9,550	355,285 239,385	22,631 15,520	131,089	445,881 337,735	352,383 294,284	23,048 18,061	1,143,581	795 468	130,446	118,799
Single	5,347 9,290	147,244 250,740	1,508	,52,078	1,765	3,728	22,919	10,020	1,351	26,547	105 €	85,368 13,967	75,823 13,481
Other	1,818	45,690	2,751 572	53,189 10,633	4,568 .778	15,595 2,290	58,906 26,411	41,920 6,159	2,960 676	69,583 16,284	186 36	26,515 4,596	25,413 4,082

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted. Estimate is not shown separately because of high sampling variability.

AGE AND MARITAL STATUS

Table 25. -- FEMALE TOP WEALTHHOLDERS WITH NET WORTH OF \$60,000 OR MORE

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			· Deb	ts				Type of	asset		
	Number of	Total assets			Net worth	Real (estate	Bono	is	Corporat	e stock
Age and marital status	top wealth- holders	(Thousand	Number of top wealth- holders	(Thousand dollars)	(Thousand	Number of top wealth- holders	Amount (Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollars)	Number of top wealth- holders	Amount (Thousand dollers)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Total	1,440,381	301,794,877	1,231,418	16,674,501	285,120,380	1,122,999	64,461,625	799,428	24,258,067	1,196,220	148,172,057
Married	671,057	150,083,784	522,983	10,714,473	139,369,305	561,581	35,970,674	338,739	9,621,432	558,334	76,705,297
Single	171,002	30,052, 5 93 104,367,890	151,469 484,727	565,220 4,317,082	29,487,381 100,050,810	102,288 407,262	3,448,508 21,318,254	117,208 306,552	2,580,099 9,843,683	154,004 421,789	18,475,720 45,818,532
WidowedOther	522,527 75,795	17,290,610	72,239	1,077,726	16,212,884	51,868	3,724,189	36,929	2,212,853	62,093	7,172,508
Under 40 years, total	158,215	31,237,673	134,366	2,157,307	29,080,367	105,979	6,922,785	83,589	1,631,281	143,290	17,207,625
Married	104,479	24,914,665	89,556 26,897	1,984,648 39,354	22,930,018 3,774,791	82,093 10,450	6,100,789 266,129	50,749 26,868	1,304,656 204,292	95,524 34,331	13,713,488 2,533,554
SingleWidowed	35,823	3,814,144 2,508,864	17,913	133,305	2,375,558	(¹)	(1)	(¹)	(¹)	(¹)	(¹)
Other]} 17,915	2,500,004	11,722	1	-, -,-,	, ,					
40 to 49 years, total	221,018	48,103,634	189,546	4,199,440	43,904,192	186,929	1 .	110,311	2,687,326	185,088	22,557,316
Married	161,496 15,135	36,276,047 2,620,022	131,435 14,730	3,059,757 123,941	33,216,288 2,496,081	141,750 11,080	9,268,882 315,223	78,807 9,699	2,073,442 172,722	135,071 13,919	17,632,983 1,710,451
Single	30,286	5,699,742	29,685	580,716	5,119,025	23,618	1,335,733	14,146	260,265	24,220 11,878	1,985,771
Other	14,101	3,507,823	13,696	435,026	3,072,798	10,481	931,462	7,659	180,897		
50 to 54 years, total	151,622	32,664,719	126,354	3,025,727	29,638,991	130,521	7,993,466	82,593	2,701,226	125,573	15,258,057 10,193,770
Married	90,396	19,961,360 2,535,574	68,513 14,070	2,293,996 86,836	17,667,364 2,448,738	79,194 10,422	5,264,221	46,894 9,121	1,068,965 221,596	76,069 13,028	1,409,785
Single	15,111 35,952	7,112,063	33,868	435,259	6,676,804	32,045	1,654,265	21,625	490,240	28,658	2,821,883 832,619
Other	10,163	3,055,722	9,903	209,636	2,846,085	8,860	671,576	4,953	920,425	7,818	832,619
55 to 59 years, total	192,911	41,931,791	164,850	2,045,349	39,886,440	153,588	9,177,206	103,379	2,759,855	157,466	20,279,138
Married	103,930	22,549,238	80,303	1,207,922	21,341,315	86,393	5,491,579	51,319 11,631	1,618,386 190,659	82,147 15,876	11,229,252 3,841,781
Single	17,907	5,196,380 10,977,970	16,614 53,903	57,291 603,149	5,139,090 10,374,820	13,107 45,967	467,592 2,424,736	33,598	705,826	47,444	3,803,172
Other	14,585	3,208,203	14,030	176,987	3,031,215	8,121	793,299	6,831	244,984	11,999	1,404,933
60 to 64 years, total	181,483	38,245,654	151,813	2,095,293	36,150,366	145,575	7,902,879	100,872	3,340,567	149,359	18,531,771
Married	83,682 19,233	19,613,542 3,229,824	61,585 17,698	1,203,646 84,596	18,409,896 3,145,229	69,564 13,198	3,916,723 477,798	42,353 13,811	1,392,986 341,559	67,211 16,880	10,783,557 1,607,052
Single	69,975	13,372,057	64,756	758,661	12,613,398	57,084	3,224,397	39,387	1,281,054 324,968	57,391 7,877	5,062,793 1,078,369
Other	8,593	2,030,231	7,774	48,390	1,981,843	5,729	283,961	5,321			·
65 to 69 years, total		37,195,593	Г	1,407,054	35,788,539	138,678	7,578,479	103,777	3,631,356	1	17,589,561 7,106,660
MarriedSingle	64,288 19,548	14,206,561 3,936,324	46,775 17,908	647,877 48,163	13,558,684 3,888,162	52,219 13,382		33,849 13,513	1,018,333		2,310,603
Widowed	87,707	17,323,510	80,296	624,189	16,699,321	67,961	3,557,494	52,413	1,833,924 228,962		7,381,677 790,621
Other	1	1,729,198	6,756	86,825	1,642,372	5,116	1	4,002 75,641	1,996,961	101,854	11,146,389
70 to 74 years, total	1	1	110,197	608,258	22,934,391 6,022,564	97,288 26,749	1	18,346	472,442	1	2,908,429
Married Single	32,996 14,943	6,189,127 2,376,441	23,872 13,374	166,565	2,342,346	10,467	374,178	10,499	206,744	13,212	1,272,101
Widowed	. 1 75.111	14,164,871	69,682 3,269	385,863 21,734	13,779,009 790,472	57,520 2,552	2,900,229	44,833 1,963	1,254,224 63,551		6,537,933 427,926
Other	3,598	812,207				1		1			9,793,585
75 to 79 years, total		19,579,512	1	520,230	19,059,284	68,820 12,780	1 '	56,316 9,274	2,215,529		1,776,459
Married Single	16,133 12,663	3,596,180 2,230,329		_81,570 32,191	3,514,608 2,198,140	8,213	279,716	8,488	245,157	11,133	1,247,703
Widowed	. 61,741	13,196,787	56,860	385,184	12,811,605	46,258	2,413,927	37,496 1,058	1,508,095		6,492,172 277,251
Other	2,096	556,216 12,247,187	I .	21,285	12,034,896		1	35,297	1,300,488	1 .	6,694,025
80 to 84 years, total		1,419,499	1	16,600	1	4,627	220,060	3,143	158,123	4,926	795,160
Married Single	. 8,513	1,740,688	7,674	18,164	1,722,519	5,100	175,622	5,927 25,695	204,273 917,678		1,032,262
WidowedOther	. 42,312 1,107		38,666 1,016	173,088 4,432				532			165,900
85 years or more, total		† ·	1	198,463	9,964,347	25,146	1,289,260	24,330	1,296,914	32,844	6,042,685
Married	1	1	970	4,893	462,657	1,005	51 3/7	793	55,139	1,091	275,631
Single	6,697	1,615,492	6,140	16,820 173,575	1,598,676	3,601	126,173	4,493 18,639			1,078,773 4,595,196
WidowedOther	. 30,172	7,910,652 169,112	27,305 554	3,175	165;937	372	19,009	405			93,085
			į .	205,096	6,678,567	30,301	1,535,324	23,323	696,564	31,407	3,071,905
Age unknown, total	1	1	1	46,999	843,015	5,207	334,674	3,212	47,427	4,652	289,908
Single	. 5,429	757,375	4,819	23,768	733,609	3,268	103,366	3,158 15,734			431,655 2,215,507
Widowed	. 26,811	4,979,676 256,596	23,765					1,219			134,835

Footnote at end of table.

AGE AND MARITAL STATUS

Table 25.—FEMALE TOP WEALTHHOLDERS WITH NET WORTH OF \$60,000 OR MORE—Continued [Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			Туре о	f asset—Con	tinued			Inf	ormation ite	ems	Estate	tax return	statistice
	Ca	sh	Notes an	nd mortgages		nsurance uity		Life	Jointly own	ned property	 	1	1
Age and marital status	Number of top wealth-	Cash amount	Number of top	Amount	Number of top	Amount	Other assets	insurance face value	Number of	Amount	Number of returns	Gross estate	Net worth
	holders	(Thousand dollars)	wealth- holders	(Thousand dollars)	wealth- holders	(Thousand dollars)	(Thousand doilars)	(Thousand	holders	(Thousand dollars)	}	(Thousand dollars)	(Thousand dollars)
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	1,386,887	30,975,907	442,962	10,221,449	627,003	1,335,108	22,370,655	6,443,929	696,403	25,744,377	27,908	6,138,013	5,930,53
Married	628,458	11,692,770	208,135	4,978,464	321,601	626,145	10,489,006	3,675,924	429,984	20,100,869	5,823	1,308,794	1,237,98
Single	168,598 514,758	3,509,231 14,233,434	31,894 179,412	536,236	71,856 201,766	123,812 532,700	1,378,984 8,493,211	691,739 1,739,895	61,598 183,931	1,285,794 3,943,482	3,814 17,439	775,264	762,52
Other	75,073	1,540,472	23,521	578,681	31,780	52,451	2,009,454	336,371	20,890	414,232	832	3,858,422 195,533	3,742,75 187,26
Under 40 years, total	149,260	2,612,434	41,797	869,687	80,605	93,960	1,899,901	1,080,027	70,156	2,328,991	105	21,588	19,48
Married	95,524 35,823	1,572,753 521,100	35,825 (1)	819,897 (1)	59,706 14,928	59,732	1,343,348	686,586	59,706 (1)	2,273,937	. 70	17,113	15,36
WidowedOther	i S.	518,581	(1)	. (1)	(14,920)	22,210 (1)	261,162 295,391	255,301 (1)	(1)	(1) (1)	24 11	2,711	2,53
) - :	,	,	. ` ′]`′	()	,	()		[']	11	1,764	1,59
40 to 49 years, total	209,321	3,602,631	62,090	1,405,265	111,942	139,208	5,860,591	1,600,053	112,768	4,704,309	471	105,021	93,30
Married Single	150,610 14,729	2,182,171 198,920	45,153 (1)	996,390 (1)	78,848 7,672	95,980 9,918	4,026,203 174,841	1,103,193 113,999	96,011	4,420,796	342 33	79,037 5,938	70,680 5,467
WidowedOther	29,881 14,101	939,817 281,723	10,286	332,856 38,073	18,574	23,111	822,187	265,635	9,686	173.581	67	13,082	11,20
Ì		1	4,233		6,848	10,199	837,360	117,226	(¹)´	(¹), -	29	6,964	5,948
50 to 54 years, total	144,590 84,145	2,876,479 1,351,995	53,934 31,263	1,218,963 635,533	84,416 50,279	121,595	2,494,934	1,021,775	85,712	3,485,287	582	128,842	113,77
Single	14,330	268,064	3,650	59,623	8,339	80,550 11,562	1,366,332 161,541	676,874 97,150	62,262 5,732	2,982,688 153,959	347 58	78,918 10,064	67,820
WidowedOther	35,952 10,163	1,072,417 184,003	15,111 3,910	346,759 177,048	19,803 5,995	21,529 7,954	704,968 262,093	180,910 66,841	14,330 3,388	281,355 67,285	138 39	27,914 11,946	25,631 10,926
55 to 59 years, total	186,080	4,016,858	63,318	1,533,195	97,653	192,126	3,973,396	897,783	104,669	3,949,995	1,045	230,972	1
Married	98,577	1,874,739	31,382	684,787	52,611	111,477	1,539,011	520,919	71,995	3,304,828	563	124,372	216,071
SingleWidowed	17,722 55,381	363,619 1,423,512	5,353 21,784	115,249 602,376	8,676 30,090	12,223 62,514	205,256 1,955,830	57,114	7,938	126,396	97	28,393	27,839
Other	14,400	354,988	4,799	130,783	6,276	5,912	273,299	292,126 27,624	19,568 5,168	401,712 117,059	306 79	60,712 17,495	56,202 16,422
60 to 64 years, total	174,833	4,074,271	62,405	1,584,772	87,981	227,489	2,583,902	781,728	95,845	3,816,268	1,774	379,274	353,377
Married Single	78,669 18,824	1,684,600 429,751	26,803 4,809	843,869 105,508	38,463 11,050	92,146	899,663	316,652	56,253	2,979,639	818	193,920	179,961
Widowed	69,054	1,804,849	28,133	570,767	34,988	24,075 101,445	244,079 1,326,748	82,727 348,599	10,333 26,395	293,413 511,448	188 684	32,145 133,130	30,745 123,298
1	8,286	155,071	2,660	64,628	3,480	9,823	113,412	33,750	2,864	31,768	84	20,079	19,373
65 to 69 years, total	174,037	4,426,963	56,684	1,352,822	68,880	200,598	2,415,818	475,343	82,988	3,022,467	2,727	571,191	545,557
Single	61,140 19,287	1,413,762	18,892 3,150	494,465 66,6 5 7	24,009 8,791	82,621 17,352	789,236 102,817	195,785 41,117	42,181 8,005	2,101,239	980 298	218,289 60,367	206,685 59,272
WidowedOther	86,394 7,216	2,416,785 166,962	32,278 2,364	735,278 56,422	33,325	92,534 8,091	1,305,820 217,945	219,272 19,169	31,029 1,773	683,862 27,188	1,337 112	266,008 26,527	254,564 25,036
70 to 74 years, total	123,671	3,319,130	41,465	954,567	42,969	140,231	1,165,431	254,500	57,326	1,847,484	3,873	723,453	701,359
Married	31,294	812,630	10,367	287,492	10,432	54,170	272,500	98,313	22,563	1,054,228	1,009	190,620	184,178
Single	14,845 73,966	390,849 2,030,576	3,303 26,618	44,112 580,046	5,135 26,487	11,555 71,656	76,902 790,207	20,970 130,044	6,344] 27,273	144,804 623,121	457 2,297	72,962 434,961	71,630 421,377
Other	3,566	85,075	1,177	42,917	915	2,850	25,822	5,173	1,146	25,331	110	24,910	24,174
75 to 79 years, total	90,772	2,546,587	26,679	575,401	25,738	109,293	864,544	167,115	38,280	1,207,643	4,726	1,001,905	972,415
Married.	15,426 12,624	451,146 353,883	4,901 2,372	129,887 38,629	4,332- 3,744	30,618 7,568	157,085 57,669	46,815 11,574	10,584	550,135	823	184,305	179,316
Widowed	60,704	1,677,936	18,661	394,785	17,093	69,779	640,091	106,696	5,214 21,579	125,773 512,874	646 (3,150	113,998 675,190	112,150 653,654
	2,018	63,622	745	12,100	569	1,328	9,699	2,030	903	18,861	107	28,412	. 27,295
80 to 84 years, total	56,951 5,719	1,530,083	14,776	291,042	12,893	59,261	455,866	75,586	22,010	657,871	5,036	1,066,393	1,046,510
Married Single	8,423	175,661 260,853	1,336	33,689 24,827	1,095	5,515 3,817	31,293 39,030	7,036 4,868	3,729 [3,003	180,757 80,765	521 740	123,569 151,454	121,990 149,783
WidowedOther	1,060	1,055,300 38,269	11,606 221	228,587 3,939	9,756	49,234 695	380,909 4,634	62,794 888	14,826 452	384,214 12,135	3,679	767,644 23,726	751,414 23,323
85 years or more, total	37,997	996,434	8,680	159,732	5,511	33,992	343,799	43,354	13,300	355,093	1		
Married	1,326	60,357	384	8,442	165	8,564	8,071	10,922	878	48,198	6,811	1,784,591 82,439	1,748,132 81,169
Single	6,617 29,448	179,113 741,311	1,242 6,903	22,384 126,183	815	1,826	38,203	2,326	2,115	45,815	1,175	283,510	280,469
Other	548	15,653	151	2,723	4,508 (1)	23,573 (1)	291,703 5,822	30,069 (1)	10,107 200	255,753 5,327	5,293 107	1,388,973 29,669	1,357,381 29,113
Age unknown, total	39,375	974,037	11,134	276,003	8,415	17,355	312,473	46,660	13,349	368,969	727	124,783	120,554
Married	6,028	112,956	1,829	44,013	1,661	4,772	56,264	12,829	3,822	204,424	114	16,212	15,218
Single	5,374 26,258	113,625 711,879	998 8,032	15,603 210,431	5,649	1,706 10,833	17,484 231,877	4,588 29,125	1,607 7,645	44,003 115,252	98 484	13,722 90,216	13,243 87,529
Other	1,715	35,577	(¹)	(¹)´	5,649 (1)	(¹)´	6,848	(¹)'	(1)	(1)	31	4,633	4,564

NOTE: Detail may not add to total because of rounding. Data in columns 22 - 24 are unweighted. Estimate is not shown separately because of high sampling variability.

Table 31. -ALL TOP WEALTHHOLDERS

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			Deb	ts	_	M-	en	Won	en			Туре о	f asset		
	Number of	Total assets			Net worth					Real	es tate	Bon	ds	Corpora	te stock
State or residence	top wealthholders	ł	Number of top wealthholders	Amount (Thousand	(Thousand	Number of top wealthholders	Net worth (Thousand dollars)	Number of top wealthholders	Net worth (Thousand dollars)	Number of top wealthholders	Amount (Thousand dollars)	Number of top wealthholders	Amount (Thousand dollars)	Number of top wealthholders	Amount (Thousand dollars)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	· (14)	(15)
			(3)						 						
Total	4,132,207	751,974,453	3,654,689	82,711,864	669,262,592	2,538,643	377,381,976	1,593,564	291,880,616	3,443,739	188,034,656	2,021,035	47,940,293	3,282,693	325,813,7
Alabama	31,452	5,030,149	28,997	898,524	4,131,625	21,305	2,698,471	10,147	1,433,154 (1)	29,006 1,055	1,842,892	13,718 (1)	365,165	22,867 898	1,344,0
Alaska Arizona	1,140 31,367	212,225	1,135 28,674	5,770 2,265,922	206,455 15,436,123	1,063 17,210	188,997 11,804,536	14,157	3,631,587	27,327	2,281,906	14,245	431,785	25,920	12,698,8
Arkansas	23,794	3,865,220	21,953	480,555	3,384,666	18,316	2,244,115	5,478	1,140,551	21,932	1,364,446	10,654	199,512	18,453	1,067,1
California	477,934	97,932,557	435,806	13,354,704	84,577,853	231,240	37,018,972	246,694	47,558,881	415,081	31,282,638	190,526	4,633,412	366,831	39,363,9
Colorado	54,422	8,380,266	49,110	1,029,427	7,350,840	35,769	3,717,773	18,653	3,633,067	49,626	2,835,830	20,412	364,207	38,189	2,683,1
Connecticut	79,826	15,426,647	74,345 13,891	1,118,925	14,307,722	48,000 9,006	7,562,015	31,826 5,010	6,745,707 1,556,406	63,921 12,462	3,034,061 856,915	44,967 7,565	1,303,535 158,176	70,613 13,120	8,166,8
Delaware District of Columbia	14,016 21,166	3,284,274 4,422,889	18,940	412,559 341,253	2,871,715 4,081,634	9,920	2,395,504	11,246	1,686,130	14,114	794,739	11,158	248,002	18,403	2,039,
Florida	153,053	28,006,614	129,762	3,500,984	24,505,629	95,572	15,198,557	57,481	9,307,072	130,999	8,190,761	59,041	1,276,734	120,813	11,280,
Georgia	66,107	13,358,762	59,393	1,747,515	11,611,246	38,034	5,924,367	28,073	5,686,879	53,263	3,588,715	29,932	614,499	53,026	5,047,2
Hawaii	11,323	1,907,758	9,909	230,640	1,677,117	7,694	1,029,688	3,629	647,429	10,104	801,943	4,611	65,770	9,164 9,955	697,4
Idaho	11,595 247,782	1,809,368	11,248 212,888	225,119 3,427,155	1,584,251 37,778,086	5,426 148,296	799,249	6,169 99,486	785,002 14,738,167	10,540 195,158	599,062 11,299,533	4,618 131,252	44,780 3,191,749	198,518	675,
Hawaii Idaho. Illinois. Indiana.	84,737	12,936,681	76,025	993,918	11,942,762	60,904	7,750,555	23,833	4,192,207	76,879	3,480,570	38,792	843,544	63,744	5,451,
Tous	97.426	10,625,795	86,573	1,225,302	9,400,493	72,232	6,849,024	25,194	2,551,469	88,007	4,591,838	51,170	884,393	60,057	1,802,
Kansas	62,533	8,753,520	45,889	813,319	7,940,201	43,417	5,433,162	19,116	2,507,039	57,997	3,395,871	36,522	455,500	49,814	2,156,
Kentucky	40,496	6,070,119	39,063	663,767	5,406,351	25,302	3,309,137	15,194	2,097,214	37,265	1,742,923	22,560	589,775	31,075	2,156,
Kansas Kentucky. Louisiana Maine	42,758 17,323	7,031,993	39,695 16,468	833,516 318,081	6,198,477 3,356,354		3,062,384 1,832,731	18,404 7,693	3,136,093 1,523,623	39,668 14,374	2,598,158 450,726	21,364 9,771	663,509 628,232	36,630 16,244	1,762,
	l	1				<u> </u>			1	İ	1	i	ļ	1	Ĭ
Maryland	63,237 115,680	10,541,243	55,961 108,282	1,108,326 2,092,525	9,432,917	42,670 70,485	6,116,777	20,567 45,195	3,316,140 8,109,722	53,135 86,023	2,586,973 3,782,053	32,279 54,885	768,986 1,559,198	51,217 100,827	4,520,3
Michigan	118,907	23,371,062	94,088	2,356,102	21,014,960		14,453,832	37,390	6,561,128	103,316	5,087,702	59,707	1,510,506	99,037	10,344,
Minnesota	89,713	13,548,984	65,399	1,101,405	12,447,579	66,370	9,665,879	23,343	2,781,700	82,048	3,827,536	45,165	711,464	68,047	5,600,
Mississippi	26,732	4,226,615	25,068	588,396	3,638,217	21,200	2,688,792	5,532	949,425	25,514	1,126,102	12,764	336,803	22,195	1,268,8
Missouri	69,935	13, 389, 217	61,852	1,147,633	12,241,583		8,203,581	23,133	4,038,002	60,674	2,917,887	37,124	1,042,486	53,745	6,280,1
Montana	20,952 45,140	2,309,553 6,048,559	18,310 37,702	205,676 625,648	2,103,877 5,422,913		1,317,472 3,897,954	6,817 12,571	786,405 1,524,959	19,117 42,843	860,541 2,602,637	9,544 24,537	151,046 497,859	15,883 30,521	1,162,
Nebraska	10,305	2,548,820	9,632	420,899	2,127,921		842,065	4,339	1,285,856	9,555	821,118	4,375	141,814	8,274	917,
New Hampshire	11,751	2,797,773	10,425	271,994	2,525,780	7,871	1,949,915	3,880		8,591	353,443	5,411	324,483	10,469	1,262,6
New Jersey	183,998	28,937,971	160,610	2,633,564	26,304,408		16,242,122		10,062,286	141,266	6,020,209	99,581	1,935,094	149,761	13,294,2
New Mexico	14,874	1,866,383	13,782	558,083	1,308,302		851,811		456,491	14,173	677,905		59,453	12,044	567,6
New York	613,113 65,493	116,448,021	517,063 62,999	11,694,468	104,753,555		52,451,567 6,258,036		52,301,988 4,607,963	419,073 60,422	18,151,281 3,583,341	322,512 25,873	8,273,245	515,414 50,916	59,607,4 4,860,
North Dakota	12,716	1,511,231	9,484	108,790	1,402,440		1,088,690		313,750	12,213	682,740	7,906	97,127		223,
Ohio	186,089	33,937,606	170,380	4,411,215	29, 526, 392	110,405	15,670,686	75,684	13,855,706	152,588	7,155,494	98,225	2,514,727	153,564	14,904,
Oklahoma	50,190	8,062,073	45,814	905,544	7,156,528	36,853	4,352,301	13,337	2,804,227	46,883	2,686,416	21,402	447,298	33,218	2,275,
Oregon	42,627	6,636,354	39,406	890,018	5,746,335		3,838,075	13,550		37,758	2,122,778		263,947		1,829,
Pennsylvania	220,402 18,309	45,329,360 3,457,629	200,763 17,037	3,748,253 296,774	41,581,108		23,985,285		17,595,823		7,447,815		3,731,258 358,206		24,803,
	1	4,206,596	27,874	430,402	3,776,194		2,600,279		1,175,915		1,560,908	1	209,280	1	1,253,
South Carolina		2,014,953	13,986	222,464	1,792,489	13,252	1,383,303		409,186		737,424		123,016		440,8
Tennessee	42,374	8,723,645	40,052	830,537	7,893,108	30,021	5,427,472	12,353	2,465,636	38,502	2,143,790	21,835	627,387		3,541,
TexasUtah	194,068 10,068	40,794,949	182,348 9,087	5,244,247 178,362	35,550,701 1,538,129		1,104,735		21,279,916 433,394	185,043 8,698	13,137,542 437,415	80,240 4,759	1,578,932	146,630	16,108,
		1	}	,		}		l .		,	i	i	55,172	1	
Vermont	8,026 77,269	1,041,372	7,050 74,180	96,112 1,195,219	945,259		541,828			7,386 65,121	213,151 3,205,327		606,689		510, 4,934,
Washington	63,145	8,922,939	55,517	1,136,612	7,786,327	28,954	3,549,516	34,191	4,236,811	56,378	3,010,015	29,227	448,465	48,137	2,959,
Virginia. Washington. West Virginia.	22,764	5,410,288	20,050	1,417,427	3,992,862	16,102	2,926,768	6,662	1,066,094	18,644	1,302,526		182,468	19,745	2,831,
Wisconsin	97,673	12,260,304	83,949	1,201,344	11,058,961	66,572	7,373,094	31,101	3,685,867	86,982	3,203,927	56,105	710,797	72,660	4,525,
Wyoming		2,220,169		329,120			1,482,688			8,787	690,964	3,895	52,957		858,
Other areas2	. 10,172	2,695,367	8,178	108,922	2,586,446	6,038	1,196,015	4,134	1,390,431	3,021	119,494	4,345	131,687	8,681	1,587,

Footnotes at end of table.

Table 31 -ALL TOP WEALTHHOLDERS -Continued

[Number of top wealthholders, type of asset, information items, and estate tax return statistics]

			Type o	f asset—Con	tinued			I	formation item	ns	Estate ta	x return stat	istics
	Cas	h	Notes and	mortgages	Life insura	nce equity		Life	Jointly own	ed property			
State or residence	Number of	Amount	Number of	Amount	Number of	Amount	Other assets	insurance face value	Number of	Amount	Number of returns	Gross estate	Net worth
	top wealthholders	(Thousand dollars)	top wealthholders	(Thousand dollars)	top wealthholders	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	top wealthholders	(Thousand dollars)	recums	(Thousand dollars)	(Thousand dollers)
	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	. (26)	(27)	(28)
Total	3,954,846	70,669,443	1,278,918	30,413,041	2,950,289	15,568,396	73,534,876	95,552,607	2,545,110	109,726,570	78,393	17,007,239	15,548,462
Alabama.	29,232	400,888	9,640	286,484	25,850	171,474	619,167	1,105,063	14,372	460,870	557	125,775	110,477
Alaska	1,140	11,992	732	15,854	1,055	1,949	25,501	12,093	(1)	(1)	15	2,095	1,960
Arizona	29,900	571,403	18,208	622,232	17,050	59,393	1,036,475	350,549	16,400	647,671	458	124,326	110,643
Arkansas	22,983	409,778	10,689	181,893	16,867	94,545	547,938	632,698	13,380	581,753	391	73,376	64,489
California	462,657	8,675,257	198,388	5,093,482	295,379	1,020,868	7,862,967	6,937,883	275,453	11,508,883	8,646	1,946,469	1,800,537
Colorado. Connecticut Delaware District of Columbia	51,050 78,085 13,678 21,017 146,713	788,540 1,299,002 220,420 520,555 2,460,313	22,868 15,399 3,548 7,074 56,684	631,808 264,429 107,944 223,028 1,696,224	38,847 52,803 11,167 11,395 103,594	181,373 369,373 82,322 62,602 545,133	894,787 989,385 152,682 534,031 2,556,467	1,231,403 2,221,521 508,541 218,032 2,913,996	41,393 52,786 9,980 12,447 110,452	2,120,660 1,644,364 827,995 687,497 6,912,004	898 1,597 203 * 526 3,070	187,377 462,045 100,545 132,589 662,140	171,090 429,640 94,628 124,242 602,212
Georgia. Hawaii Idaho Illinois Indiana.	62,024	937,839	21,724	537,822	53,492	460,699	2,171,892	3,328,289	14,547	258,808	939	214,933	183,985
	10,994	137,262	2,190	29,983	8,296	35,886	139,436	273,017	9,268	567,435	156	39,527	35,334
	11,384	139,837	4,099	88,004	6,903	20,256	242,039	100,291	1,013	35,088	205	31,106	26,864
	236,412	4,286,730	58,091	1,277,589	175,039	952,201	3,473,373	5,287,571	184,923	9,732,301	5,564	1,166,776	1,077,426
	81,502	1,371,823	21,774	348,136	65,189	358,329	(, 1,082,545	2,387,992	64,627	3,051,797	1,854	326,561	300,574
Iowa.	95,026	956,800	37,454	581,859	69,523	265,611	1,542,743	1,655,356	68,647	2,167,754	2,344	301,232	276,660
Kansas.	58,811	738,500	18,723	325,437	42,775	206,276	1,475,538	1,450,821	47,177	1,821,493	1,438	231,876	214,939
Kentucky.	39,429	513,208	10,424	220,464	27,990	133,073	714,647	750,642	25,956	904,506	847	172,380	159,844
Louisiana.	40,777	623,667	19,232	480,354	34,294	110,560	793,621	661,324	3,605	86,728	610	142,526	128,937
Maine.	16,929	239,744	4,180	161,144	11,827	69,696	301,208	375,561	11,558	218,231	445	107,005	99,365
Maryland	61,768	1,067,865	17,307	316,263	47,273	303,380	977,455	1,856,209	51,487	2,885,725	1,258	278,854	255,233
Massachusetts	105,627	2,516,983	19,351	455,957	74,810	551,538	1,547,657	3,293,657	79,858	3,568,543	2,454	554,689	506,616
Michigan	113,637	2,132,250	42,182	1,057,027	89,985	592,626	2,646,235	3,415,318	90,057	5,639,421	2,230	498,255	452,608
Minesota	81,312	1,591,272	31,270	542,790	71,199	365,022	910,437	2,349,934	70,210	2,999,912	1,767	315,021	290,467
Mississippi	25,014	334,468	9,483	198,709	22,534	127,757	833,964	942,079	8,255	192,024	390	75,280	64,185
Missouri. Montana. Nebraska. Nevada. Nevada.	65,212	1,042,185	21,563	673,973	54,639	322,159	1,110,367	1,841,535	50,126	2,904,879	1,647	414,224	387,524
	20,034	239,767	7,961	194,099	12,454	45,424	318,843	335,564	17,516	592,241	408	54,789	51,480
	43,204	452,297	11,557	180,496	30,282	129,895	1,022,647	803,893	35,819	1,602,577	1,127	170,745	157,590
	9,885	215,269	5,099	194,261	7,271	11,840	247,345	91,944	4,334	381,421	128	37,759	34,403
	11,666	511,506	3,479	125,777	8,304	48,003	171,887	247,921	7,587	395,727	315	59,980	55,452
New Jersey. New Mexico New York North Carolina North Dakota.	180,079	3,193,172	39,468	1,225,295	140,185	835,699	2,434,231	5,456,398	117,553	4,951,658	3,411	724,835	663,835
	11,604	169,036	5,138	89,070	11,170	41,880	261,422	382,905	3,112	72,906	185	34,800	30,216
	586,433	12,421,472	133,257	2,982,778	427,070	2,472,840	12,538,994	14,273,859	390,989	14,640,395	10,395	2,636,769	2,394,782
	62,908	806,085	20,635	358,821	52,473	280,160	861,470	1,857,445	39,866	1,668,338	1,138	244,502	219,908
	12,411	205,946	4,067	48,851	9,101	31,328	221,487	191,951	10,177	371,387	280	34,931	32,247
Ohio. Oklahoma Oregon Pennsylvania Rhode Island.	175,773	3,492,982	50,135	2,211,911	131,355	783,194	2,875,198	4,541,125	112,955	2,178,035	3,922	853,122	780,949
	48,072	1,008,132	15,124	274,026	36,572	231,253	-1,139,219	1,491,582	31,011	1,197,794	933	175,214	155,826
	41,074	735,980	16,752	438,535	30,921	170,323	1,075,530	1,257,193	31,807	1,693,405	732	131,437	118,236
	213,782	3,681,526	50,430	838,173	167,416	1,063,038	3,764,319	5,976,566	162,074	8,518,680	4,615	1,078,816	988,104
	17,194	333,326	4,380	60,035	12,434	76,421	272,777	463,798	12,112	522,501	381	96,316	89,342
South Carolina. South Dakota. Tennessee. Texas. Utah.	29,221	420,450	11,953	176,341	25,726	117,623	468,028	722,119	11,799	146,966	525	98,328	88,546
	14,216	153,435	5,918	96,682	11,112	45,484	418,061	306,994	12,016	466,427	357	50,811	46,772
	41,378	778,562	16,715	587,505	33,941	240,382	804,322	1,543,273	23,461	830,043	786	210,865	187,661
	189,025	3,447,298	85,737	1,845,779	142,473	437,292	4,239,804	3,001,120	10,737	169,618	2,927	617,412	559,530
	7,349	290,298	2,755	94,667	8,056	37,803	147,814	234,781	8,738	671,449	202	39,555	36,254
Vermont. Virginia. Washing ton. West Virginia. Wisconsin.	7,528	124,367	1,726	26,458	5,547	24,812	86,613	162,124	6,034	231,008	175	31,148	29,091
	73,791	953,526	27,877	477,223	60,389	305,840	1,277,647	1,867,278	45,560	1,506,387	1,272	257,518	232,393
	60,539	884,295	28,645	441,115	48,972	139,398	1,040,243	904,867	20,248	296,681	1,052	184,718	169,686
	21,741	226,020	7,347	238,121	19,282	97,920	531,410	687,528	14,394	411,277	392	86,577	79,061
	95,156	1,563,771	35,636	658,047	74,489	377,051	1,220,803	2,234,906	74,498	3,089,959	1,918	320,437	294,580
Wyoming Other areas² NOTE: Detail may not add to total because of rounding. Data	8,744	202,684	3,260	103,296	6,602	23,948	287,447	160,628	7,373	438,308	155	38,344	34,376
	9,735	169,656	1,600	26,789	6,922	35,443	624,750	253,469	4,739	151,519	153	50,531	47,663

NOTE: Detail may not add to total because of rounding. Data in columns 26 - 28 are unweighted.

Letimate is not shown separately because of high sampling variability.

2U. S. citizens domiciled abroad. Persons who acquired U. S. citizenship solely by virtue of being a citizen of Puerto Rico or the Virgin Islands are not included.

Historical statistics

Selected statistics on top wealthholders for 1953 and 1958 are included in this section for purposes of comparison with the estimates for 1962. Table D shows that from 1953 to 1962 the number and wealth of top wealthholders has more than doubled: from 2 million top wealthholders with net worth of \$324 billion; to 4 million top wealthholders with net worth of \$669 billion. However, despite these dramatic increases in the overall aggregates, changes in asset composition have been very gradual.

Table D. -- HISTORICAL STATISTICS 1953-1962

Item	1953	1958	1962		
		(Thousands)			
Number of top wealthholders, total	1,979	3,009	4,132		
Men, total	1,330	1,936	2,539		
Under 50 years	491 648 151	741 923 232	988 1,173 332		
Age unknown Women, total.	40 648	1,073	1,594		
Under 50 years. 50 to 69 years. 70 years or more	197 306 120 25	299 530 209 35	471 758 324 41		
	(Billion dollars)				
Total assets	355.9	542.0	752.0		
Real estate. Bonds Corporate stock. Cash Notes and mortgages.	81.8 35.6 140.9 33.8	132.6 35.6 231.1 45.9 20.5	188.0 47.9 325.8 70.7 30.4		
Insurance equity	7.1 44.2	10.8 65.5	15.6 73.5		
Debts	31.8	49.6	82.7		
Net worth (less deficit)	324.1	492.4	669.3		

NOTE: Detail may not add to totals because of rounding.

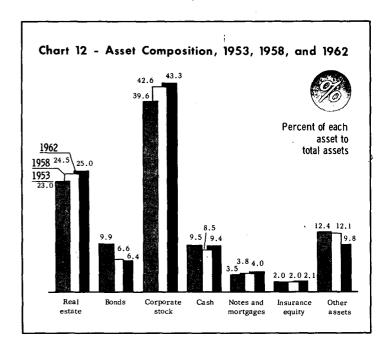
Estimates of estate tax wealth for 1953 and 1958 were computed using white mortality rates in those years adjusted by the differentials shown in column 3 of table F. Except for differences in white mortality rates, the method was the same as that used in preparing the 1962 estimates.

ASSET COMPOSITION

Chart 12 shows some shifting in the asset mix toward corporate stock and real estate and away from bonds. These changes may be due partly to changes in the relative prices of assets and not to real changes in preference. However, other explanations are possible. Top wealth-holders have increased from about 2 percent of the adult population in 1953 to just less than 4 percent in 1962. The additional individuals included are relatively less rich and may have a somewhat different asset composition.

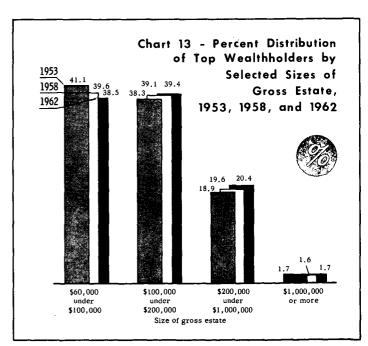
AGE, SEX, AND SIZE OF WEALTH

The distribution of top wealthholders by sex has shown a marked change. Women have become a larger proportion of top wealthholders. In 1953, just less than one-third of all top wealthholders were women, while in 1962 they were about 40 percent of the total. The age distri-



bution has remained about the same with a slight increase in the older age groups, an increase more or less in line with the pattern for the adult population as a whole.

Similar to the distribution of top wealthholders by age, there has been little change in the distribution by size of gross estate. Chart 13 shows only a slight shift toward the middle ranges of wealth. In fact there was almost no change in the proportion of top wealthholders with a gross estate of \$1,000,000 or more. Table 32 which presents estimates for 1958 can be used with table 28 for 1962 to



get a more detailed view of shifts in the distribution of top wealthholders by size of gross estate.

LAW CHANGES 1953-1962

The estimates for 1953 top wealthholders are based on returns filed under the 1939 Internal Revenue Code as amended. The 1958 and 1962 estimates are based principally on returns filed under the 1954 Code. While many changes were made in the structure of the estate tax law by the 1954 Code, only a few of these affected the assets includable in "estate tax wealth".

In general, under the 1939 Code all proceeds from insurance on the life of the decedent were included if he owned the policy or paid the premiums on it. Under the 1954 Code, if the insurance had been assigned irrevocably to a beneficiary other than the estate it was not included even though the decedent may have paid the premium. Annuities included in estate tax wealth were also modified as is discussed on page 75. The estate tax law was further amended in 1962 to include foreign real estate but this provision has not had time to take much effect. None of these changes are believed to substantially alter the comparability of the statistics.

Table 32. -- NUMBER AND WEALTH OF TOP WEALTHHOLDERS BY SIZE OF GROSS ESTATE, 1958--TOTAL, MALE, AND FEMALE [Number of top wealthholders, type of asset, and estate tax return statistics]

						 		Type of asset					Estate ta	x return stat	istics
Gross estate	Number of top wealth- holders	Total assets (Thousand dollars)	Debts (Thousand dollars)	Net worth (Thousand dbilers)	Real estate (Thousand dollars)	Bonds (Thousand dollars)	Corporate stock (Thousand dollars)	Cash (Thousand doilers)	Notes and mortgages (Thousand dollers)	Life insurance equity (Thousand dollers)	Other assets (Thousand dollars)	Life insurance face value (Thousand dollars)	Number of returns	Gross estate (Thousand dollars)	Net worth (Thousand dollars)
,	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
GRAND TOTAL				100 100 (0)	130 (0(000	25 (() 50(221 090 120	/E 012 255	20 /70 347	10 768 635	65,469,839	60,452,934	55,673	11,647,390	10,638,361
Total	3,008,659		49,590,622	492,407,636	132,626,270	35,661,786		45,913,255	20,478,367	10,768,635				401,604	371,628
\$60,000 under \$70,000	317,137 351,401 279,991 244,834 413,195	18,890,180 23,368,647 20,733,711 20,170,253 39,577,783	1,416,643 1,922,157 1,772,818 1,864,658 3,734,356	17,473,538 21,446,490 18,960,891 18,305,595 35,843,427	7,247,092 8,990,990 8,156,165 7,552,465 14,892,665	1,116,139 1,267,003 1,070,007 1,174,336 1,894,950	4,135,635 5,321,994 4,701,289 5,089,318 10,078,094	2,924,637 3,204,926 2,615,363 2,386,852 4,810,250	697,971 926,384 852,110 731,175 1,671,454	404,486 583,850 595,534 599,604 1,117,592	2,364,220 3,073,500 2,743,243 2,636,502 5,112,778	2,193,946 3,540,888 3,658,227 3,686,890 6,740,153	6,158 6,301 5,269 4,545 7,176	471,780 447,518 431,387 785,567	431,772 407,265 389,538 706,710
\$120,000 under \$150,000 \$150,000 under \$200,000 \$200,000 under \$300,000 \$300,000 under \$500,000 \$500,000 under \$1,000,000	406,353 359,019 311,822 175,899 101,804	47,103,205 53,682,362 67,433,339 61,877,906 65,839,097	5,175,523 5,727,259 7,003,191 5,793,478 6,048,077	41,927,682 47,955,102 60,430,147 56,084,428 59,790,997	15,863,087 16,487,207 17,935,141 13,781,897 11,364,647	2,327,482 2,890,713 3,802,737 3,883,809 5,230,125	13,760,573 17,128,572 25,309,080 27,870,001 34,576,452	5,315,275 5,362,748 6,055,634 4,621,454 4,274,818	2,041,107 2,740,730 3,075,524 2,442,718 2,461,239	1,411,611 1,611,587 1,627,254 1,246,965 977,710	6,384,071 7,460,804 9,627,970 8,031,060 6,954,105	8,680,132 9,761,266 9,143,445 6,077,605 4,269,146	7,117 6,403 5,675 3,646 2,242	952,480 1,103,494 1,373,202 1,388,794 1,530,213	850,092 985,277 1,235,028 1,264,256 1,410,632
\$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	32,615 7,243 2,892 1,973 2,481	43,409,893 17,346,144 11,225,414 12,647,076 38,693,271	3,971,359 1,414,551 678,928 1,011,499 2,056,124	39,438,535 15,931,593 10,546,487 11,635,577 36,637,147	4,908,494 1,691,651 1,453,784 812,578 1,488,406	4,408,828 1,663,439 2,095,616 1,582,333 1,254,267	24,634,988 10,425,801 .6,159,874 7,278,009 34,610,450	1,951,970 638,853 535,806 812,865 401,804	1,676,800 414,352 262,929 228,387 255,485	367,018 90,145 35,661 30,064 69,557	5,461,795 2,421,906 681,744 1,902,840 613,302	1,635,541 349,490 93,034 92,776 530,395	771 184 101 57 28	1,052,864 450,020 387,954 383,480 487,033	981,438 420,483 365,244 360,879 458,118
MALE										,				-	
Total	1,936,031	315,189,838	37,028,608	278,161,229	86,254,622	18,199,133	115,200,788	27,351,690	13,869,745	9,897,140	44,416,720	55,733,596	36,458	7,733,357	6,866,122
\$60,000 under \$70,000 \$70,000 under \$80,000 \$80,000 under \$90,000 \$90,000 under \$100,000 \$100,000 under \$120,000	174,458 208,920 173,614 158,019 272,741	11,937,821	962,402 1,458,398 1,290,902 1,380,352 2,893,285	8,791,944 11,477,876 10,646,918 10,790,332 21,733,164	3,972,480 5,193,195 4,917,459 4,741,759 9,808,724	538,277 634,066 560,159 630,905 1,088,171	1,629,913 2,423,046 2,191,152 2,504,370 5,244,755	1,297,562 1,645,875 1,433,030 1,390,419 2,743,135	374,033 483,418 514,344 443,724 965,588	354,637 522,270 541,399 548,253 1,027,644	1,587,444 2,034,404 1,780,279 1,911,253 3,748,432	1,999,843 3,244,355 3,370,892 3,381,586 6,197,218	3,555 3,812 3,369 2,972 4,769	232,057 285,607 286,254 282,177 522,267	207,834 252,277 252,307 245,980 454,099
\$120,000 under \$150,000	281,732 251,568 209,592 115,786 63,426	39,485,360	4,258,687 4,478,703 5,405,410 4,370,769 4,720,350	26,644,251 30,877,126 37,959,188 35,114,591 35,437,287	11,039,592 11,131,952 12,139,032 8,999,281 8,140,363	1,419,761 1,766,347 2,099,916 2,105,149 2,695,613	7,752,977 10,195,453 15,118,972 17,083,353 19,541,123	3,235,352 3,464,678 3,919,412 2,940,132 2,635,495	1,251,851 1,888,702 2,158,312 1,838,132 1,820,505	1,317,066 1,523,499 1,521,610 1,146,010 889,836	4,886,339 5,385,199 6,407,344 5,373,303 4,434,703	8,119,497 9,382,872 8,605,382 5,471,054 3,935,260	4,810 4,431 3,957 2,537 1,515	644,206 763,434 957,171 966,277 1,031,240	554,077 658,128 834,563 856,424 926,519
\$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	3,769 1,318 1,315	25,354,010 8,879,999 5,257,888 8,531,449 6,474,555	3,017,911 1,299,968 258,182 907,415 325,873	22,336,099 7,580,031 4,999,706 7,624,033 6,148,681	3,173,926 1,380,256 675,546 684,949 256,109	2,258,331 720,677 756,702 669,929 255,131	14,220,819 4,082,264 2,953,705 4,635,064 5,623,822	1,281,733 277,692 308,958 667,667 110,550	1,275,546 385,745 229,079 223,687 17,077	336,233 84,814 28,427 26,703 28,739	2,807,422 1,948,551 305,471 1,623,448 183,127,		495 124 54 38 20	674,909 301,459 210,033 256,674 319,592	615,042 274,595 198,764 237,120 298,393
FEMALE				}	Ì						İ	İ			
Total	1,072,628	226,808,444	12,562,014	214,246,407	46,371,648	17,462,653	115,879,342	18,561,565	6,608,622	871,495	21,053,119	4,719,338	19,215	3,914,033	3,772,239
\$60,000 under \$70,000 \$70,000 under \$80,000 \$80,000 under \$90,000 \$90,000 under \$100,000 \$100,000 under \$120,000	142,679 142,481 106,377 86,815 140,454	10,432,373 8,795,890 7,999,570	454,241 463,759 481,916 484,306 841,070	8,681,593 9,968,614 8,313,973 7,515,263 14,110,264	3,274,612 3,797,794 3,238,706 2,810,706 5,083,941	577,862 632,937 509,849 543,431 806,779	2,505,722 2,898,948 2,510,137 2,584,948 4,833,339	1,627,076 1,559,052 1,182,333 996,433 2,067,115	323,938 442,966 337,766 287,452 705,866	49,849 61,580 54,135 51,351 89,948	776,775 1,039,096 962,964 725,249 1,364,346	296,533 287,335 305,303	2,603 2,489 1,900 1,573 2,407	169,547 186,173 161,264 149,210 263,300	163,794 179,496 154,959 143,558 252,610
\$120,000 under \$150,000 \$150,000 under \$200,000 \$200,000 under \$300,000 \$300,000 under \$300,000 \$500,000 under \$1,000,000	124,621 107,451 102,230 60,113 38,378	24,068,741 22,392,546	916,836 1,248,556 1,597,781 1,422,709 1,327,727	15,283,431 17,077,976 22,470,959 20,969,837 24,353,710	4,823,495 5,355,256 5,796,108 4,782,617 3,224,285	907,721 1,124,366 1,702,821 1,778,661 2,534,512	10,190,108	2,079,922 1,898,070 2,136,222 1,681,322 1,639,323	789,256 852,028 917,212 604,586 640,734	94,544 88,088 105,643 100,955 87,874	1,497,733 2,075,606 3,220,626 2,657,757 2,519,402	378,394 538,063 606,551	2,307 1,972 1,718 1,109 727	308,274 340,060 416,031 422,517 498,973	296,015 327,149 400,466 407,831 484,113
\$1,000,000 under \$2,000,000 \$2,000,000 under \$3,000,000 \$3,000,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	1.574	8,466,145 5,967,526	953,448 114,583 420,746 1,834,335	17,102,435 8,351,562 5,546,780 34,500,009	1,734,568 311,395 778,238 1,359,927	2,150,498 942,762 1,338,914 1,911,541	6,343,537 3,206,169	670,237 361,160 226,848 436,452	401,254 28,606 33,851 243,107	30,784 5,330 7,233 44,180	2,654,373 473,355 376,273 709,564	33,255 30,929	276 60 47 27	377,955 148,561 177,921 294,247	366,396 145,888 166,480 283,484

NOTE: Detail may not add to total because of rounding. Data in columns 13 - 15 are unweighted.

Estate multiplier technique

The use of the estate multiplier method of estimation assumes that "death draws a random sample of the living population". This assumption allows one to apply statistical theory to the result obtained by weighting estate tax return data by the inverse of the mortality rate characteristic of the demographic category to which the decedent belonged.

Death however is not a random event nor even one necessarily representative of the living population as a whole. The probability of "death's selection" of an individual depends on the particulars of his life state - his age and sex are usually taken as gross indicators of these conditions; however, other characteristics such as marital status, place of residence, and social class also play a role. 1

The estate multipliers used in making the present estimates have been adjusted to take account of only three characteristics - age, sex, and social class. The basic assumption made to prepare these estimates was that the probability of death for those with gross estates of \$60,000 or more (the estate tax filing floor) is approximately constant for each age and sex. Determining these "constants" and their inverses, the estate multipliers, is the subject of the rest of this section and the next one as well. However, before proceeding to a discussion of how these multipliers were devised something needs to be said about the validity of this assumption.

The method assumes that a top wealthholder with a net worth, for example, of \$100,000 has the same probability of being selected as a top wealthholder worth \$10,000,000 provided only that they are the same age and sex. If this is true, average holdings (or the percent distribution of holdings) computed from estate tax return data for each age and sex are unbiased estimates of the "true" averages in the living population of top wealthholders, no matter what multipliers were chosen. Two issues bear on this assumption.

The relationship between mortality and wealth is complex. Being wealthy, one presumably can obtain the best of care and therefore live longer than those who are not. While it is likely that a person worth \$10,000,000 would have resources available to provide a better way of life than an individual worth only \$100,000, such a gain in terms of mortality would probably be marginal. On the other hand in *becoming* wealthy the relationship between wealth and mortality may be reversed. Most of the male top wealthholders probably accumulated a great deal more of their wealth than they acquired through gift or inheritance. The relationship might be illustrated by the following example: A man inherits \$100,000 at age 21 and is able

1.

through investments and additions to this wealth to double it every ten years. Even so to become a millionaire he would have to live to be more than 50 years old.

It seems reasonable that mortality and wealth may be related in such a way that mortality rates for each age and sex group are not constant, but vary somewhat depending on the wealth of the individual, with the result that the average asset holding for each age-sex group may understate the "true", underlying averages in the living population of top wealthholders.

SOCIAL CLASS AND MORTALITY

The chief problem that to date confronts all applications of the estate multiplier technique in the U. S. is the lack of exact mortality rates appropriate to the wealthy. As has been said before, there is much evidence to support the view that the rich do live longer. Whatever index of wealth is used - income, occupation, educational attainment, the holding of insurance assets, housing - all suggest a more favorable mortality structure for the wealthy. Only an approximation to this structure could be used to prepare the present estimates.

For the general population of the United States, annual mortality rates for age, color, and sex classifications are computed by the National Center for Health Statistics, Public Health Service, from its tabulations of registered deaths in conjunction with estimates of the population prepared by the Bureau of the Census. Mortality rates based on the more favorable experience of the wealthier segment of the population are not so readily available.

Occupation

Mortality rates by occupation for the United States have been published for 1890, 1900, 1930, and 1950. For 1950, the ratio of the mortality rates to the average rates, standardized for age, was tabulated for six occupational groups of men 20 to 64 years of age. The ratios for white males in 1950 were as follows: Professional workers, 82%; technical, administrative and managerial workers, 84%; proprietors, clerical, sales and skilled workers, 96%; semiskilled workers, 97%; laborers, except farm and mine 120%; and agricultural workers, 83%. The favorable mortality of professional workers, 18% better than average, is accounted for in large measure by factors other than occupation and its hazards.

¹ Division of Health Records Statistics, National Center for Health Statistics, Life Tables for the Geographic Divisions of the United States: 1959-61 (Public Health Service Publication No. 1252; 1-3.) For death rates by marital status in 1962 and 1963, see the Monthly Vital Statistics Report, July 31, 1964, p. 24. See also Louis I. Dublin, Alfred J. Lotka, and Mortimer Spiegelman, Length of Life: A Study of the Life Table (New York: The Ronald Press; 1949).

²I. M. Moriyama and L. Guralnick, "Occupational and Social Class Differences in Mortality," Trends and Differentials in Mortality, 1955 Annual Conference, Milbank Memorial Fund, pp. 61-73. More extensive tabulations were also published in "Mortality by Occupation and Industry among men 20 to 64 years of age: United States, 1950," National Vital Statistics Division, Vital Statistics - Special Reports, 53, No. 2, September 1962.
³Computed from unpublished data underlying the Moriyama and Guralnick Study, cited by Arthur Pedoe, "Occupation, Social Class and Mortality," Transactions of the Society of Actuaries, May, 1960, p. 235.

While obviously male top wealthholders are not all members of a profession, their mortality may be typified by that of professional workers. However, classification problems discussed below limit occupational data particularly for the older age groups.

Classifications of mortality by occupation suffer three inconsistencies: (1) Differences between the reporting of occupation in the Census and on death certificates, (2) the treatment of retired persons and (3) mobility between occupational groups. The first affects the overall accuracy of the match of Census records and death certificates; the second becomes a serious problem in the older age groups, particularly after 54 years; and the third may cause much of the overlap in mortality rates after age 44 between professional, technical, administrative, skilled, and semiskilled workers, etc.⁴

The age-specific differences in the mortality of professional workers, hereafter called differentials, are probably affected by these problems of classification. The differentials for all professional workers - white and nonwhite, using the average for all occupations as a standard, were: ages 20 to 24 years, 49%; 25 to 34 years, 53%; 35 to 44 years, 66%; 45 to 54 years, 87%; 55 to 59 years, 94%; and 60 to 64 years, 97%. The extremely favorable mortality exhibited in age groups 20 to 44 is probably a rather direct reflection of the socio-economic advantage typical of those who enter the professions.5 While mortality differentials tend to narrow as age increases, the jump that occurs between the 35-44 year age group and the 45-54 year age group is probably due in part to an accelerator effect introduced by problems of classification.6

Housing, Income and Education

Studies of mortality rates have also been conducted, using the cost of housing as an index, which confirm the direction, if not the magnitude, of the relationship between "social class" and mortality. For Chicago in 1940, the mortality of white males whose housing was within the top fifth of Chicago's rental units (actual or imputed) was compared with that of the general white male population. The differentials were as follows: ages 20 to 29 years, 76%; 30 to 39 years, 66%; 40 to 54 years, 77%; 55 to 64 years, 87%; 65 to 74 years, 88%; 75 years or more, 99%. In the younger ages the mortality experience exhibited was not as favorable as that for professional workers, perhaps because a much larger portion of the population had been included, 20% versus about 4% for professional

workers. As with the occupational mortality data, with increasing age the position of the top group tended to approach the average; however, this was much more gradual than for professional workers. Again this difference may be due to classification problems inherent in occupational studies of mortality.

The most recent and most inclusive study of mortality differentials by social class are those for 1960, using both income and education as indices. Only preliminary estimates are currently available. While not yet reliable enough to deal with in detail, they also confirm a very strong relationship between mortality and social class. 9

Insurance

Another indication of the relationship between social class and mortality may be inferred from data provided by the Metropolitan Life Insurance Company which has available the age-specific mortality of its predominantly male "Whole Life" policyholders insured for amounts of \$5,000 or more, omitting the first five years of experience after application to minimize the effect of medical selection. All recent estate multiplier estimates for the United States, including the present one, have also used this series, albeit in somewhat different ways, to measure the magnitude of the favorable mortality experience of the wealthy.

For his 1944 wealth estimates based on Federal estate tax returns, Horst Mendershausen used the series provided by Metropolitan Life for that year in much the same way as in the present report. However, since the 1944 tabulations made available to him by the Internal Revenue Service did not include separate data by sex, he was obliged to make an assumption which was probably incorrect, namely that top wealthholders had "the same relation of male to female mortality and the same sex ratio as in the white population of the United States." ¹⁰ In 1953, 1958, and 1962 for each estate tax return for a woman there were two for men; in the U. S. white population the sex ratio of deaths was more nearly 1 to 1. ¹¹ For this reason, Mendershausen may have overestimated the wealth of top wealthholders in 1944.

For 1953, Robert J. Lampman based his estimates on a composite of several series, including that provided by Metropolitan Life. In essence his technique involved the averaging of (1) the mortality experience of professional, technical, administrative and managerial workers for 1950, (2) 1953 white male mortality and (3) a synthetic series made by averaging the 1953 Metropolitan Life experience with that for male Ordinary life insurance policyholders (1950-1954). For age groups up to 64 years he averaged the occupational and insurance data. For age groups 65 or older he averaged the white

⁴Moriyama and Guralnick, pp. 61-73. See also "The Comparability of Reports on Occupation from Vital Records and the 1950 Census," National Vital Statistics Division, Vital Statistics - Special Reports, 53, No. 1, June 1961.

⁵]bid., p. 69.

⁶Another explanation is also possible. The more favorable mortality at the younger ages may be due to better medical care which brings more impaired lives to the older ages. See *Transactions of the Society of Actuaries*, 17, part 1, p. 432 (1965)

part 1, p. 432 (1965).

See for example Constantine A. Yeracaris, "Differential Mortality, General and Cause-Specific in Buffalo, 1939-1941," Journal of the American Statistical Association, December, 1955.

⁸Albert J. Mayer, "Differentials in Lengths of Life, City of Chicago: 1880-1940" (unpublished Ph.D. dissertation; University of Chicago) as cited by Horst Mendershausen, "The Pattern of Estate Tax Wealth," A Study of Saving in the United States (Princeton: Princeton University Press, 1956), III, p. 303.

⁹Evelyn M. Kitagawa and Philip M. Hauser, "Social and Economic Differentials in Mortality, United States, 1960," a paper presented at the Annual Meeting, Population Association of America, New York, April 29-30, 1966.
¹⁰Mendershausen, p. 301.

¹¹ National Vital Statistics Division, Public Health Service, Vital Statistics of the United States: 1962 (Washington: U.S. Government Printing Office 1964), U.A. p. 1.29

Office, 1964), II-A, p. 1-38.

12The ultimate (unloaded) mortality experience underlying the 1958 CSO mortality table based on the experience of 15 large insurance companies between 1950 and 1954 policy anniversaries. (See footnote 17 of this section.)

mortality and insurance experiences. For women, the differences by age between the adjusted male mortality rates and all white males - the male mortality differentials - were applied to mortality rates for all white females. 13

Lampman writes that he wanted to "bracket the possible range"; not so much to choose mortality rates appropriate to top wealthholders as mortality rates which excluded the poorer elements of the population. 14 The effect of his multiple averaging was to achieve just this; however, it seems probable that the method leads to an understatement of the number and wealth of top wealthholders, for mortality appears to continue to improve as wealth increases - a large part of the gains, of course, occurring at the lower levels.

Table E shows the estimates obtained using the 1962 white mortality rates without adjustment and after applying the differentials computed by Lampman. While the absolute differences in the overall aggregates are great there are no appreciable differences in either the composition of wealth, nor, does it appear on other evidence, in the age-sex make-up of top wealthholders.

Table E. -ALTERNATIVE ESTIMATES FOR 1962

TROTE E. —ACIENIA	TVE ESTIMATE	3 FUR 1902				
	Type of mortality assumed for top wealthholders					
Item	'Mortality of Metropolitan Life insurance policyholders	Composite of mortality from insurance and cccupation , series	Unadjusted white mortality			
	(1)	(2) (3)				
•		(Thousands)				
Number of top wealthholders	4,132	3,482	2,976			
		(Billion dollars)				
Total assets	752.0	630.1	544.9			
Real estate	188.0	156.9	134.3			
Bonds	47.9 325.8	40.7 273.2	36.1 236.6			
Corporate stock	70.7	60.0	52.6			
Notes and mortgages	30.4	25.3	22.1			
Insurance equity	15.6	13.0	11.3			
Other assets	73.5	61.0	51.9			
Debts	82.7	69.0	56.9			
Net worth (less deficit)	669.3	561.1	488.0			

 $\ensuremath{\mathsf{NOTE}}\xspace$. Detail may not add to total because of rounding. Data were estimated as explained in the text.

MORTALITY OF TOP WEALTHHOLDERS IN 1962

The mortality rates assumed to approximate the experience of male top wealthholders were those provided by Metropolitan Life. For female top wealthholders the differences by age between male insurance holders and all white males were applied to mortality rates for all white females. The adjusted rates, inverted, were used as the estate multipliers in producing the present estimates.

Adopting this approximation for devising the estate multipliers is equivalent to assuming that Metropolitan policyholders constitute a random sample of top wealth-holders, or at least a sample taken from a population which has the same relative advantage with respect to mortality that is expected of top wealthholders. In examining this assumption the following questions may be

raised: (1) Does the choice of insurance as an index of wealth create a "health" bias? (2) Is the requirement that the size of the policy be at least \$5,000 too high a cut-off or too low? (3) Are there sex differences with respect to the more favorable mortality exhibited; or, put another way, does the fact that the Metropolitan experience is based on men bias the estimates for women? (4) Are Metropolitan policyholders somewhat unique - geographically for example?

From the limited information available that sheds light on these questions, it does seem that there probably is some upward bias introduced by using insurance as an index; a downward bias introduced by choosing \$5,000 as a cut-off and by assuming that the mortality rates of males and females respond to the same extent to economic class differences. These biases however are probably small, off-setting or both. The geographical concentration of Metropolitan Life's policyholders in the northeastern part of the U. S. creates no real problem, in fact it more or less duplicates the concentration of top wealthholders.

Health

The mortality rates provided by Metropolitan Life were based only on policyholders who had been insured for at least 5 years. (The mortality experience for the first 5 years was considerably more favorable than these rates for the same attained ages.) However, since selection into the \$5,000 "Whole Life" category was somewhat stricter than that for other categories of policyholders, 5 year's time could not be expected to eliminate entirely the initial health advantage. In attained age groups over 40 the policyholders had generally been insured for considerably longer than 5 years. Because this was not likely the case for those under 40, where the policyholders had been insured for an average closer to 5 years, 15 the Metropolitan data for that group were not used. (See page 67.)

The effect of the initial medical selection still exists for those 40 years of age or older, but it is probably not serious. About 87% of the male top wealthholders owned life insurance. While no doubt some of this insurance was issued without a medical examination, the health differences between Metropolitan Life's policyholders and male top wealthholders cannot be very great.

Size of Insurance

The holding of whole life insurance in amounts of \$5,000 or more may not be a sufficiently discriminating indicator of wealth; it is certainly no longer a very exclusive category. About 56 percent of the Ordinary life insurance policies purchased in 1963 were for \$5,000 or more. 16

Data from the Institute of Life Insurance's 1965 Study of Savings in Life Insurance indicate that, particularly for those under 60 years of age, the typical policy held by male top wealthholders is for \$5,000 or more. In this report the mean face amount of insurance shown in the estate tax returns of men ranges from a high of more

16 Institute of Life Insurance, Life Insurance Fact Book, (1964), p. 20.

¹³Robert J. Lampman, The Share of Top Wealth-Holders in National Wealth: 1922-56 (Princeton: Princeton University Press, 1962), pp. 44-53.

¹⁴lbid., p. 46.

¹⁵ The help of Mortimer Spiegelman, Statistician, Metropolitan Life Insurance Company, is greatly appreciated both here and elsewhere in the discussion of Metropolitan Life's series.

than \$60,000 for those under 40 years to about \$13,000 for those 85 years or more. Still another indication that perhaps a higher cut-off would have been better is the close correspondence between the basic data underlying the 1958 Commissioner's Standard Ordinary Mortality table and Metropolitan Life's series after age 40. ¹⁷ While the Metropolitan Life series reflects a somewhat more favorable mortality experience, the difference is not appreciable.

Female Mortality

The assumption has been made that, except for large initial differences which favor women, male and female mortality respond to the same extent to social class differences of the kind that exist between top wealth-holders and the general population.

Women do respond more favorably than men with respect to socio-economic differences measured by differences in mortality between whites and nonwhites. The 1962 white female age-adjusted rate is 62% of the corresponding nonwhite rate; the white male rate 75% of the rate for nonwhite males. 18

Historically, in response to general improvements in American life, female mortality has decreased faster than that for males. For example, from 1933 to 1962 the white female mortality rate, adjusted for age, dropped from 81% to 60% of the comparable white male rate. However, even at moderate levels of educational attainment or income, the effect of social class on mortality is considerably more ambiguous. Male and female mortality may decrease in a very similar way. In any case the treat-

ment of female top wealthholders suffers from more uncertainty than that for males.

Regional Mortality

Although Metropolitan Life's policyholders are located throughout the United States and Canada, there is a large concentration in the northeastern part of the U. S. This concentration more or less corresponds to that for top wealthholders and probably creates no problem of bias. However, the question of regional differences in mortality rates is important for another reason. For the basic estimates in this report only national mortality rates were used. In table 31 where wealth estimates are made by State, under or overstatements may exist, especially for States with mortality rates quite different from the national average.

Overall Mortality

Top wealthholders constitute a very small proportion of the adult population, about 4% in 1962. To be a member of this select group is almost by definition to possess the best the economy has to offer in the way of material advantages. More important perhaps in estimating the mortality experience of this group is the fact that, for many members, their good health was essential to the accumulation of their wealth.

The overall mortality differentials assumed for top wealthholders in making the present estimates are quite favorable, perhaps more favorable than can be justified. For male top wealthholders the age-adjusted mortality differential was 71%, for females, 73%.

For men, the differential is lower than that obtained by comparing white male mortality with that for nonwhite males (75%). This seems unreasonable and may be taken as an indication that the estimates for male top wealth-holders are too high. However since good health is much more important for male top wealthholders, many more of whom accumulate rather than inherit their wealth, the magnitude of the overstatement in the present estimates may not even be as great as this comparison implies.

On the other hand the overall differential for women, using the same test, does not seem unreasonable, in fact preliminary estimates of 1960 female mortality using education as an index suggest that the overall differential may be about right, 21

¹⁷The 1958 CSO basic mortality table was increased by 5% to obtain male mortality experience and compared with the 1953 mortality experience of Metropolitan Life's "\$5,000 Whole Life" policyholders. See the Transactions of the Society of Actuaries, October, 1958 Annual Meeting (published in 1959), pp. 692, 695. For same statistics on the mortality experience on insurance policies for large amounts (cross-classified according to income "for a limited volume of data") see pp. 59, 68-69, "Mortality on Policies for Large Amounts," Transactions of the Society of Actuaries: 1964 Reports of Mortality and Morbidity Experience, June, 1965.

¹⁸ National Vital Statistics Division, Vital Statistics of the United States: 1962, II-A. Computed from p. 1-4.

^{19/}bid.
20Kitagawa and Hauser, table 4. For the effect of social class differences between males and females in England, see Arthur Pedoe, "Occupation, Social Class and Mortality," Transactions of the Society of Actuaries, May, 1960, pp. 227-257.

 $²¹_{lbid}$.

Estate multipliers for 1962

The estate multipliers shown in table F, were devised by taking the inverse of the white mortality rates adjusted by differentials assumed to correct for the more favorable mortality experience of the wealthy. These differentials were based on the difference between white male mortality and the mortality of Metropolitan Life's predominantly male "Whole Life" policyholders.

The mortality rates obtained from the Metropolitan Life Insurance Company were computed by relating dollar amounts of policies due as death claims to insurance in force. Differences between mortality rates based on amounts of insurance, number of policies or number of lives are probably not significant. The only important effect of using amounts of insurance rather than lives is to increase the variability of the mortality rates.

Table F. —1962 WHITE MORTALITY RATES, WEALTH DIFFERENTIAL, AND ESTATE MULTIPLIERS

	ESTATE MU	CTIPLIERS	<u> </u>			
	White mort	ality rates	Wealth	Estate multipliers		
. Attained age at death in years	(Deaths pe estimated popula		differen- tials	Male	Female	
	Male	Female	(Percent)	·		
	(1)	(2)	(3)	(4)	(5)	
20-39. 40-44. 45-49. 50-54. 55-59.	1.9 4.1 6.9 11.5	1.0 2.3 3.7 5.6 8.1	69.29 72.35 66.69 68.55 66.93	759.6 337.1 217.3 126.8 84.4	1,492.5 600.9 405.3 260.5 184.8	
60-64 65-69 70-74 75-79 80-84	26.7 41.2 57.5 85.0 130.5	12.9 21.1 34.4 58.2 101.8	75.77 72.27 88.78 87.46 85.23	49.4 33.6 19.6 13.5 9.0	102.3 65.6 32.7 19.6 11.5	
85 or more	224.5	200.4	88.18	. 5.1 51.9	. · 5.7	

Source: 1962 white mortality rates, table 1-4, p. 1-6, <u>Vital Statistics of the United States 1962</u>, Vol. II (Mortality), Part A. Wealth differentials and weights derived from data provided by the Metropolitan Life Insurance Company as explained in the text.

To dampen this variability, age-specific differentials were constructed for both 1958 and 1962 using Metropolitan Life's mortality rates and white male rates for those years. The average of these differentials, shown as column 3 of table F, was then used to adjust the 1962 white mortality rates. This procedure provided more reliable estimates of the estate multipliers for each age group than would have been obtained by using only the 1962 Metropolitan experience. However, had the 1962 experience been used alone, little difference would have resulted in the overall aggregates. An indication of this can be seen by looking at the 1962 estimates that resulted when the age-specific differentials for 1953, 1958 and 1962 were used.²

1962 Estimate based on	Number of Top Wealthholders (Thousands)	Total Assets (Billions)	Net Worth (Billions)
1953 differentials	4,115	\$ 747	\$ 663
1958 differentials	4,133	750	667
1962 differentials	4,127	753	672

Metropolitan Life's mortality rates are classified by 'insurance age' or age at nearest birthday and not, as is the case with the white mortality rates, age at last birthday. For example, a man is ordinarily considered to be 40 years old during the whole of his 41st year; however under the insurance definition in effect for these data a man is considered to be 40 years old from 39.5 years to 40.5 years. Thus mortality rates from Metropolitan Life are based on a slightly younger group than the white mortality rates (no more than 1/2 a year however). Since the assignment of the decedent's age on the estate tax return was closer to nearest birthday, this difference tends to correct a discrepancy that would otherwise have existed in the estate multipliers. It does however somewhat overstate the differentials.

The fact that there were a few women among Metropolitan Life's policyholders - they were only predominantly male-will, in and of itself, produce a favorable differential when Metropolitan Life's mortality rates are compared with white male rates. However the overstatement in the present estimates due to this bias is believed to be 3 percent or less.³

In addition to the fact that Metropolitan Life's series is subject to sampling variability and that several minor inconsistencies exist when it is compared with white male mortality, the present estimates also suffer a loss of precision because of the treatment of top wealthholders under 40 years of age or unknown age. Overall, while it is difficult to quantify the bias of the estimation technique, it seems likely that the multipliers used tend to overstate the number and wealth of top wealthholders, perhaps by as much as 5%.

TOP WEALTHHOLDERS UNDER 40 YEARS OF AGE

Estimates for top wealthholders under 40 are not only subject to a large sampling variability because death draws a thin sample from the young, but also the estimating technique for this group is very approximate. The estate multipliers, one for each sex, were devised by applying to the average 1962 white mortality rate for the 20-39 year age group the average wealth or insurance differential in the 40-54 year age group.⁴ Differentials

¹The differentials were weighted by white male population estimates for 1958 and 1962. Bureau of the Census, Current Population Reports: Population Estimates, Series P-25, No. 265, May 21, 1963.

²The age - specific differentials were constructed by comparing Metropolitan Life's mortality rates and white male rates for these years. These three sets of differentials were then applied to the 1962 white mortality rates to produce the estate multipliers. The method of treating top wealthholders under 40 years of age or of unknown age was the same as that used in making the basic estimates.

³This estimate of the bias was derived by assuming that the proportion of females (by age) with insurance in amounts of \$5,000 or more was the same as that reported in the Institute of Life Insurance's 1965 Study of Savings in Life Insurance. These data were not, however, felt to be reliable enough to use in adjusting the basic estimates downward.

⁴The differentials were weighted by 1962 white population estimates. (See footnote 1 of this section.)

for 5 year age groups under 40, while available from Metropolitan Life, were not felt to be reliable both because of a possible health bias and also because of the thinness of the samples upon which they were based. Table G shows the effect of three other estimating techniques on the number of wealthholders under 40, their total assets, and their net worth. It also provides some indication of the estimating error for this group.

Table G. —TOP WEALTHHOLDERS UNDER 40 YEARS OF AGE: ALTERNATIVE ESTIMATES, 1962

Typa of estimate	Number of top wealth- holders (Thousands)	Total assets (Billion dollar=)	Net worth (Billion dollers)
	(1)	(2)	(3)
Basic estimate	653	94.9	76.3
Alternatives: Insurance differential, 5 year age groups Occupational differential. Insurance regression	600 649 731	84.2 89.7 98.1	68.0 72.8 81.5

The 'basic estimate' is that described above and used elsewhere in this report. For the first alternative, separate multipliers were computed for each five-year age group 20 to 39 by applying the overall insurance differential assumed for top wealthholders under 40, 69.29%, to the 1962 white mortality rates for each group and then inverting the result. For the few top wealthholders under 20 years of age the mortality rate for whites 15-19 years was adjusted and used. For the estimates based on occupation, again separate estate multipliers for each five-year age group were used, but in this case they were adjusted by 1950 occupational differentials based on men identified in the 1950 Census as white professional workers. These differentials were: 20-24 years, 53% - used for the 'under 20" year age group as well; 25-34 years, 58%; 35-44 years, 74%. For the insurance regression, age was regressed against the log of the male multipliers, males 40 years of age or more. (R²=.99+.) The linear fit was then extrapolated to age groups under 40 and the male multipliers derived directly. For females, the mortality differentials for males were applied to the 1962 white female mortality rates.

TOP WEALTHHOLDERS OF UNKNOWN AGE

The 78,393 estate tax returns supplying the basic data for the present estimates included 1,626 returns (2 percent) from which the ages of decedents at death were not obtainable by the procedures employed. Except for processing errors, the absence of age information was due to the absence from the return of a date of birth. The obvious fact that some decedents were born before adequate birth records were instituted in their birthplace raised the hypothesis that decedents of unknown age were typically somewhat older than other decedents. A small sample of returns without age information, filed in 1966,

was drawn to test this hypothesis. The assumption was made that such returns would be only insignificantly different in this regard from those filed during 1963. Basically, indirect evidence available on the returns was used - such as the year in which the decedent's domicile was established, date of marriage, date of issuance of insurance policies, age of surviving children, grand-children. The Social Security Administration provided a tabulation of the group for which indirect evidence was not conclusive. The sample did not indicate that age-unknown decedents were typically older than decedents of known age.

Two possibilities for weighting decedents of unknown age were then considered: (1) to assign them the overall average estate multipliers of the age-known decedents according to their sex--the adopted procedure--or (2) the more elaborate procedure of assigning the average multipliers of the age-known decedents according to their sex and gross estate size. The first procedure was that employed by Robert J. Lampman in making estimates for 1953. The second is a variation on the procedure employed by James D. Smith for his 1958 estimates.⁶

Weighting age-unknown decedents according to their sex and gross estate size would have yielded approximately 93,000 top wealthholders rather than the 87,000 shown in the basic tables of this report. Although age and estate size are correlated, especially for men, the average multipliers for each size of gross estate did not show a marked pattern. Because of this and because of the procedure's high cost, the simpler and perhaps sounder technique of assigning only one multiplier for each sex was adopted.

SAMPLING VARIABILITY

As mentioned the sample drawn by death may depart somewhat from a random sample of the living and some bias probably exists in the weighting procedure; however, the computation of the relative sampling variability of the present estimates, as if there had been no bias, may be of limited usefulness. Relative sampling variability is the sampling variability expressed as a percent of the estimate. The sampling variability at the one - standard deviation level, when added to and subtracted from the estimate, provides the upper and lower limits within which 2 out of 3 estimates based on similarly selected samples should fall. Table H presents the relative sampling variabilities of frequency estimates in general. In this report, estimates of amounts are usually more variable than the corresponding frequency estimates.

To allow the reader to assess the precision of the estimates in another way, a column, labeled "Number of returns", appears in every table giving the sample

⁵The overall differential for white professional workers 20-44 years of age was 70 percent. Computed from unpublished data provided by the National Vital Statistics Division, Public Health Service.

⁶Robert J. Lampman, *The Share of Top Wealth-Holders in National Wealth:* 1922-56 (Princeton: Princeton University Press 1962), pp. 53-54.

James D. Smith, "The Income and Wealth of Top Wealth-Holders in the United States: 1958:" (unpublished Ph.D. dissertation, Department of Eco-

United States: 1958:" (unpublished Ph.D. dissertation, Department of Economics, University of Oklahoma at Norman, 1966), pp. 86-87. Smith's original procedure was to assign the estate multiplier for the age group in which the average age fell - here the more precise procedure of directly computing the average multiplier has been used.

Table H.—RELATIVE SAMPLING VARIABILITY AT THE ONE-STANDARD DEVIATION LEVEL OF THE ESTIMATED NUMBER OF TOP WEALTHHOLDERS

	Top wealthholders by age in years					
Number of top wealthholders	Under 50	50 to 64	65 or more			
	(1)	(2)	(3)			
		(Percent)				
1,000. 2,000. 3,000. 5,000. 7,000. 10,000. 15,000. 20,000. 30,000. 50,000. 75,000. 100,000. 200,000. 200,000. 200,000.	(1) (1) (1) (1) (1) (1) (1) (2) 28 23 18 15 13 9 6	(1) (1) 37 29 25 21 17 15 12 9 8 7 5 3	26 19 15 12 10 9 7 6 5 4 3 3 2			

¹Sample too small to yield reliable "upper limit" estimates of sampling variability. NOTE: The "upper limit" formula used to compute the approximate relative sampling variability estimates in this table provides somewhat higher estimates than those which would have been obtained by the use of the standard formula.

size supporting the statistics in each line. All estimates not supported by 10 or more returns have been footnoted or combined. Estimates based on less than 100 returns should be used with special caution.

Numbers of top wealthholders in the basic tables in this report are unrounded. Amount estimates are shown in the thousands of dollars. This convention has been followed to make it easier to use the tables and to preserve the accuracy of any combinations the reader may wish to make. However, this should not be construed as a presumption of the precision of the estimation technique.

Top Wealthholders Worth \$10 Million or More

Mention has already been made of the fact that the mortality rates for the wealthy may not be entirely independent of the size of their wealth. For the very rich, in addition to this source of possible understatement, the ordinary limitations of sampling variability-are particularly great. The universe of wealthholders worth \$10 million or more is very sparsely populated, with asset holdings ranging up to and perhaps beyond \$1 billion.⁷

To look at this problem with a longer perspective, consider the number and gross estate of those with gross estates of \$10 million or more for three recent years.

	Number of Top Wealthholders (Thousands)	Gross Estate (Billions)	Number of Returns
1953	0.7	\$17.9	17
1958	2.5	38.7	28
1962	1.8	29.0	32

Because of the small sample that naturally arises from this small universe, the sampling variability was high in all these years. At the one-standard deviation level, the relative sampling variability of the number of top wealth-holders with gross estate of \$10 million or more ranged from one quarter to more than one-half of the estimate.

⁷See for example Richard A. Smith "50-million-dollar men" Fortune, November, 1957, pp. 176 ff.

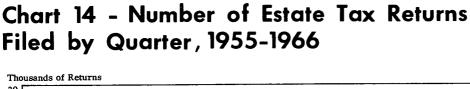
C Characteristics of the sample

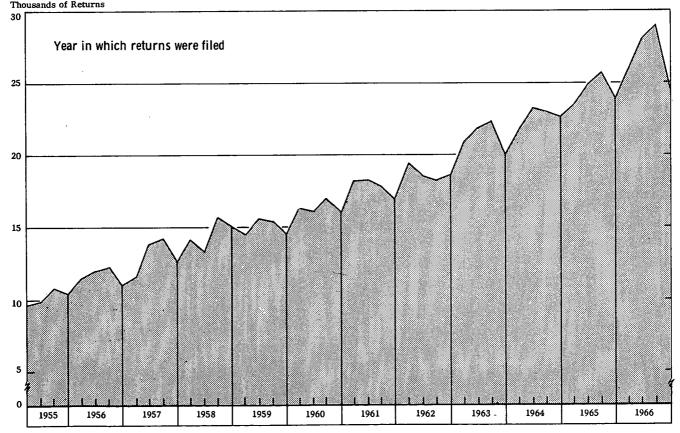
The estimates for top wealthholders in this report are based on the 78,393 estate tax returns filed during 1963 for citizens and resident aliens with a gross estate of \$60,000 or more at death. In addition, there were 4,837 returns filed during 1963 which were excluded either because the gross estate at death was less than \$60,000 or because they were filed for nonresident aliens.

Of the returns excluded, 3,487 were filed for decedents whose gross estate was reported as less than the filing floor.¹ Such returns, while not required, can occur for many reasons. Often questions of return includability or valuation are involved which the executor, in seeking to discharge his liability for the payment of an estate tax, may wish reviewed by the Internal Revenue Service

before he distributes the assets to the heirs. Jointly-held property and to some extent gifts in contemplation of death are the usual subject of such inquiries.

In making the present estimates, 1,350 returns for nonresident alien decedents were also excluded. Persons who acquired U. S. citizenship solely by virtue of being a citizen of Puerto Rico or the Virgin Islands are treated as nonresident aliens for estate tax purposes. Thus, to summarize, the estate tax returns used were all those for residents or citizens of the 50 States and the District of Columbia, filed during 1963, with gross estate at death of \$60,000 or more. In estimating the number and wealth of top wealthholders, these 78,393 returns have been treated as a sample drawn by death in 1962. However, they actually differ somewhat from this; the extent and importance of this difference is discussed below.

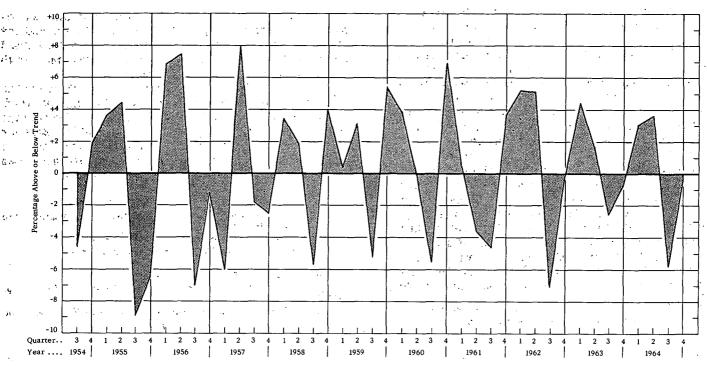




¹For citizens and resident aliens, the filing floor was \$60,000; for nonresident aliens - \$2.000.

Chart 15 - Seasonal Pattern of Estate Tax Returns Filed by Year of Death

(Year of death assumed to be 15 months before filing)



1 - Winter (Jan., Feb., March) 2 - Spring (April, May, June) 3 - Summer (July, Aug., Sept.) 4 - Fall (Oct., Nov., Dec.)

FILING REQUIREMENTS

The executor or administrator of an estate is liable for filing the return usually within 15 months after the date of death, although an extension of up to 6 months can be granted. If 15 months elapsed before filing, the earliest date of death on the returns filed in calendar-year 1963 would be October 1, 1961, and the latest September 30, 1962. Since returns are filed throughout the 15 month period, the estates of some decedents who died in 1963 are also included. Not all returns are filed when due and there are some included for persons whose deaths ranged up to and over 10 years ago.2 Past experience indicates that the bulk of the estates are for 1962 decedents. By and large, however, the best description of the period covered by the returns filed during 1963 is that they represent a sample drawn by death from October, 1961, to September 1962. Dating the valuations on the returns is often another matter, however.

TREND IN NUMBER OF RETURNS FILED

The flow of returns by quarter, shown in chart 14, provides some indication of the fluctuation inherent in statistics based on a year's filings and not on a year's deaths. The chart shows both a strong trend and a seasonal pattern as well.

The underlying causes are complex. Economic factors no doubt largely account for the series increasing trend. Death is a seasonal phenomenon and its effect on the statistics can be seen quite clearly when the trend is removed and the series is plotted by the quarter in which death occurred and not the quarter in which the return was filed.³

The seasonal pattern observed in chart 15 departs somewhat from that observed for all U. S. deaths.⁴ As expected, the summer months of July, August and September, generate the fewest filings. However, the mortality of top wealthholders shows no clear pattern between the fall, winter and spring, unlike deaths in the general population which occur with greatest frequency in the winter months. This difference may reflect in part at least, the imprecision of assigning the period in which death occurred, i.e., 15 months before filing. However, it probably also indicates some real difference between the mortality experience of the rich and the general population.

EXTENT OF COVERAGE

From several points of view, using a year's filings of estate tax returns rather than returns for a year's deaths is unsatisfactory. Limitations arise in the use of

²Information for returns filed during 1959 showed that about 11 percent were not filed within 15 months of the decedent's death.

³The trend values were obtained by a four-quarter moving average.

⁴Ira Rosenwaike, "Seasonal Variation of Deaths in the United States, 1951-1960," Journal of the American Statistical Association, September, 1966, pp. 706-719.

resulting estimates because they are arrived at by adding values reported for estate components that were determined at different points of time. Indeed, the component parts of the same estate may be valued at different points of time as discussed under "Time of valuation."

Unlike the usual sampling situation, no controls could be instituted to assure that the returns filed were actually taken at the prescribed rate, that is the mortality rate appropriate to the top wealthholders' age and sex. (See "Estate Multipliers.") Changes in economic conditions or even Internal Revenue collection and audit procedures, can induce artificial increases or decreases in the number of returns filed. For example, about one-third of the returns filed in 1959 were for persons who had died less than a year before the return was filed. Had economic conditions been less favorable in 1958, many more executors might have waited the full 15 months to determine whether it was advantageous to value the assets at death, as 97 percent did, or at a time later than death, as did the remaining 3 percent.⁵ Had executors waited the full 15 months before filing, between 10 and 15 percent of the returns filed in 1959 could have been filed in 1960.

SAMPLE DATA FOR 1953, 1958, AND 1962

Table I summarizes the distribution of estate tax returns filed during 1954, 1959, and 1963 by the age and sex of the decedent. The age and sex groups shown formed the sample strata used to estimate the number and wealth of top wealthholders in 1953, 1958 and 1962.

The "sample" in all these years was very large in the older age groups reflecting the advanced age at which top wealthholders die. In 1962, for example, the average age at death was 70 years for men and 76 years for women. Summary statistics from the sample are also shown in the basic and historical tables and have been published previously in considerably more detail.

 $^{^5{\}rm The~provision}$ of the law allowing alternate valuations is discussed in more detail under ''Time of valuation'' on page 76 of this report.

⁶For 1962 the 40 to 49 year age group was separated into two subgroups. The number of returns in each of these was:

⁴⁰ to 44 years of age - 748 for men and 190 for women;

⁴⁵ to 49 years of age - 1,332 for men and 372 for women

⁷Statistics of Income-1953, Part I, pp. 63-84.

Statistics of Income--1958, Fiduciary, Gift and Estate Tax Returns, pp. 50-83.

Statistics of Income-1962, Fiduciary, Gift and Estate Tax Returns, pp. 51-82.

Table I. -ESTATE TAX RETURN DATA BY AGE AND SEX, 1953, 1958, AND 1962 BASED ON RETURNS FILED DURING 1954, 1959, and 1963

	T	1			1	,	62 BASED O			1,5,14, 1	,,, and I	703	
	Number	Total assets	Debts	Net worth	Real	г.:-	Corporate	type of asset	Notes and	Transman	041	Gross	Insur-
Age and sex	of returns	· ·			estate	Bonds	stock	Cash	mortgages	Insurance equity	Other assets	estate	face
	1	(Thousand dollars)	(Thousand dollars)	(Thousand dollers)	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	(Thousand dollars)	(Thousand	(Thousand	(Thousand
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
MEN												1	12/
1953, total	24,919	4,793,510	329,475	4,464,035	1,094,846	485,013	1,927,690	495,221	186,277	170,161	434,302	5,075,022	451,677
Under 40 years	285	33,802	5,726	28,076	9,104	1,831	10,893	2,567	1,051	892	7,464	43,185	10,274
40 to 49 years 50 to 54 years	1,213	169,167 222,029	27,810 29,773	141,357 192,256	49,680 59,237	9,327 13,796	52,577 75,582	13,142 22,244	5,661 9,617	3,585 4,726	35,195 36,827	206,886 256,880	41,303 39,580
55 to 59 years 60 to 64 years	2,370 3,200	383,33 <u>1</u> 566,990	45,788 57,158	337,543 509,832	99,320 142,223	30,833 48,628	132,562 204,565	36,983 57,763	16,505 21,735	12,693	54,435	430,059	59,423
65 to 69 years	3,683	716,917	48,072	668,845	162,333	60, 396	287,845	75,551	31,867	22,601 31,591	69,475 67,334	621,952 760,222	77,561
70 to 74 years	3,563 3,369	735,259 706,515	37,086 26,494	698,173 680,021	154,627 144,382	77,155	311,167	75,753	28,386	32,385	55,786	761,703	58,829
80 to 84 years	2,630	579,301	18,151	561,150	126,898	73,760 74,534	314,317 242,717	75,595 63,674	28,166 20,388	27,643 19,903	42,652 31,187	721,165 584,797	42,294 25,399
85 years or more	2,378	569,781	23,129	546,652	109,820	85,940	264,999	58,012	16,789	11,259	22,962	572,890	14,368
Age unknown	751	110,418	10,288	100,130	37,222	8,813	30,466	13,937	6,112	2,883	10,985	115,283	7,750
1958, total	36,458	7,297,883	481,132	6,816,751	1,739,903	564,058	3,105,971	735,887	310,210	182,902	658,952	7,733,360	618,380
Under 40 years	410 1,651	45,529 216,794	8,666 769,769	36,863 177,025	13,862 67,186	1,685 9,108	15,487 66,035	2,534 15,690	2,249 8,408	1,574 5,564	8,138 44,803	62,082 275,333	18,128 64,103
50 to 59 years	5,054	864,662	113,582	751,080	244,960	45,770	299,079	71,569	38,304	25,610	139,370	980,700	141,647
60 to 69 years 70 to 79 years	10,113	1,993,826 2,098,859	148,863 100,692	1,844,963	505,805 483,614	128,489 174,558	789,668 911,080	198,121 235,872	91,065 97,802	65,156 44,426	215,522 151,507	2,121,154 2,185,677	192,485
. 80 years or more	7,982	1,967,740	62,300	1,905,440	385,343	196,988	992,481	198,470	66,865	37,504	90,089	1,992,763	131,244 62,527
Age unknown	761	110,473	7,260	103,213	39,133	7,460	32,141	13,631	5 ,5 17	3,068	9,523	115,651	8,246
1962, total	49,604	10,254,110	681,782	9,572,328	2,317,088	823,575	4,483,391	1,123,219	456,816	318,199	731,820	10,799,321	863,411
Under 40 years	588 2,080	78,885 318,538	18,883 74,446	. 60,004 244,092	23,156	1,658	35,060	3,875	1,938	3,049	10,149	110,958	35,121
50 to 54 years	2,467	409,498	. 62,201	347,297	99,911 121,056	9,955 18,027	110,656 155,540	23,488 32,656	15,000 16,837	8,006 10,303	51,521 55,079	402,767 485,486	92,235 86,292
55 to 59 years 60 to 64 years	3,932 5,744	722,931 1,117,701	84,405 107,880	638,526	187,400 293,104	35,606 77,247	294,417 422,814	60,967 106,644	34,406 64,061	24,286 38,647	85,849 115,185	812,343	113,698
65 to 69 years	7,266	1,426,944	98,953	1,327,991	346,739	100,872	582,475	159,264	69,361	51,832	116,401	1,211,679	132,625
70 to 74 years	7,694 7,387	1,619,753 1,619,163	84,710 63,472	1,535,043 1,555,691	361,734	131,336	700,122	188,462	78,730	55,840	103,530	1,665,348	101,435
80 to 84 years	5,808	1,349,846	37,450	1,312,396	332,826 254,354	140,205 135,232	739,424 643,160	202,943 161,501	68,125 57,206	53,667 39,749	81,973 58,643	1,647,606	82,110 50,726
85 years or more	5,758 880	1,458,646	39,967	1,418,679	254,986	163,945	757,519	164,522	43,983	29,702	43,989	1,466,848	37,904
age diministration	880	. 136,201	9,415	122,788	41,822	9,492	42,204	18,897	7,169	3,118	9,501	137,468	8,382
WOMEN									İ				
1953, total	11,777	2,323,740	71,409	2,252,331	456,850	336,344	1,054,933	249,815	7,024	476.	147,298	2,336,714	24,473
Under 40 years	67	25,725	1,926	23,799	2,827	2,342	15,881	2,248	280	41	2,106	26,159	475
50 to 54 years	251 342	72,985 52,886	3,671 3,859	69,314 49,027	12,128 14,768	15,611 4,813	29,242 18,015	4,947 4,759	2,695 1,853	95 254	8,267 8,424	73,987 53,958	1,095 1,329
55 to 59 years	537 820	85,701 140,336	4,307 5,698	81,394 134,638	23,085 35,363	8,769	33,328	8,965	3,211	465	7,878	87,412	2,176
65 to 69 years	1,264	226,072	8,272	217,800	45,906	15,219 27,837	53,927 96,418	16,960 26,236	4,925 9,382	993	12,949 19,149	142,730 227,640	3,407
70 to 74 years	1,686 2,068	342,583	11,224	331,359	66,805	54,370	151,637	36,525	8,935	2,200	22,111	344,381	2,712 3,997
80 to 84 years	2,060	396,564 456,673	10,367 8,717	386,197 447,956	77,738 74,574	50,888 68,013	183,965 233,566	47,020 46,240	11,648	2,393 2,196	22,912 21,453	397,832 457,280	3,662 2,803
85 years or more	2,223	458,126	10,374	447,752	85,659	80,644	215,644	46,791	10,251	1,669	17,468	458,587	2,130
Age unknown	459	. 66,089	2,994	63,095	17,997	7,838	23,310	9,124	3,213	26	4,581	66,748	687
1958, total	19,216	3,895,372	123,559	3,771,813	768,598	451,285	1,892,380	416,063	104,648	15,084	247,314	3,914,023	33,732
Under 40 years	80 374	26,270 100,623	1,014 9,015	25,256 608,19	2,067 21,895	1,231 6,292	19,686 52,468	831 4,845	210 2,765	95 167	2,150 12,191	27,271 102,384	1,096
50 to 59 years	1,343	225,148	16,313	208,835	57,823	15,365	92,827	23,067	9,439	1,009	25,618	229,723	1,927 5,583
60 to 69 years	3,267 5,963	584,640 1,150,909	26,817 32,979	557,823 1,117,930	143,789 237,128	52,335 111,134	249,440 558,565	63,472	21,944	2,987	50,673	590,480	8,824
80 years or more	7,567	1,714,538	34,804	1,679,734	277,523	254,493	885,486	129,974	33,625 32,705	5,147 5,343	75,33 <u>6</u> 76,559	1,154,342	8,582 6,818
Age unknown	622	93,244	2,617	90 ,6 27	28,373	10,435	33,908	11,445	3,960	336	4,787	93,810	902
1962, total	28,789	6,172,352	196,358	5,975,994	1,078,903	649,954	3,229,092	715,050	172,341	29,970	297,042	6,207,918	65,537
Under 40 years	138 562	23,447	2,839	20,608	5,627	1,098	11,794	1,912	689	132	2,195	24,839	1,525
50 to 54 years	661	108,121 131,042	10,590 13,702	97,531 117,340	28,204 33,494	6,013 10,487	49,70 <u>1</u> 59,653	8,329 11,692	3,189 4,897	446 572	12,237 10,247	112,810 135,263	5,136 4,792
55 to 59 years	1,134	233,660 380,412	13,016	220,644	53,218	15,119	110,805	22,602	8,549	1,186	22,181	238,026	5,552
65 to 69 years	2,829	573,754	22,761	358,177 550,993	80,813 118,544	32,851 55,580	182,200 269,635	40,583 68.377	20,904	2,430	25,776	386,321	8,339
70 to 74 years	3,984	728,000	20,763	707,237	151,171	61,424	342,528	68,377 102,615	20,904 29,482	3,348 4,515	37,367 36,264	578,344 731,687	7,938 8,202
75 to 79 years	4,817 5,129	1,005,718	29,100 19,603	976,618 1,051,594	180,486	113,413 113,500	501,226 583,603	130,711	29,725 25,566	5,731 5,242	44,426	1,008,755	8,768
85 years or more	6,921	1,791,438	37,774	1,753,664	229,708	227,846	1,062,361	176,184	28,560	6,035	39,820 60,745	1,072,643	6,689 7,702
Age unknown	746	125,563	3,975	121,588	28,432	12,623	55 , 586	17,785	5,020	333	5,784	126,124	894

NOTE: For 1953, 22 returns are included with gross estate of less than \$60,000. Also for 1958 data for the "Under 40" group were revised to correct a processing error. Insurance equity was computed using slightly more accurate ratios than those shown in table J. Detail may not add to previously published totals because of rounding.

Characteristics of estate tax wealth

The estate tax return's use as a data source for the asset holdings of the wealthy is limited because the wealth reported on the return is not identical with what is ordinarily considered a man's personal wealth. The major differences between estate tax wealth and a more usual notion of personal wealth are summarized in chart

Chart 16 - Estate Tax Wealth and Personal Wealth

Estate Tax Wealth

Foreign Real Estate

Pension and Annuity Wealth Represented Only By An Income Right

add

Trust Interests Represented Only By An Income Right

Certain Community Property Interests

Costs of Terminal Illness

Lifetime Gifts Presumed to Be In Contemplation of Death

Subtract Remainder Interests In Certain Other Estates

Difference Between Insurance Proceeds and its Cash Surrender Value

= Total Personal Wealth of Top Wealthholders

Some kinds of wealth enjoyed by living individuals, such as pensions, income rights in annuities and trusts, or foreign real estate holdings, were not generally required to be reported on the return. Other interests are included for estate tax purposes which are not part of a man's personal wealth, for example, certain lifetime gifts.

The fact that the assets are valued at or shortly after death may also change the size and composition of wealth. This is particularly important in the case of insurance for the full face value of the insurance is reported in the estate tax return and not the cash surrender value the asset had before death. There is also, of course, the effect of terminal illness reflected in either a smaller estate or a larger debt burden. Finally, there are important questions of ownership tied closely to property laws and there may be some inherent understatement of wealth because the returns used were unaudited.

PROPERTY INTERESTS INCLUDED

The Federal estate tax is a tax on the transfer of property interests at death. Property transferred before death without retained "strings" or property which ceases to have a value when death occurs is, of course, not subject to the tax. Thus to be shown on the estate tax return the property must have been owned by the decedent at death and have a value after his death. The one exception to this was gifts made during the three years before death, presumed to be in contemplation of death.

Usually the way in which ownership existed determined the portion of the property included. Property ownership could take several forms: (1) property owned jointly with right of survivorship; (2) property held under a general power of appointment; (3) property held solely by the decedent or as a tenant in common, in a partnership for example; (4) community property under the laws of the States of Arizona, California, Idaho, Louisiana, Nevada, New Mexico, Texas and Washington; and (5) certain property transferred during life by gift. The entire value of jointly owned property was included except that portion attributable to the contributions of the surviving joint tenant(s). Property held under a general power of appointment and property owned outright were included at their full fair market value.1

Community Property

Under community property laws, generally whatever is acquired by the efforts of either husband or wife during marriage belongs to the marital community, not to the husband or wife separately. Property acquired either before marriage, or after marriage by gift or inheritance. usually remained the separate property of the spouse who acquired it and was taxed as such. For estate tax purposes half the community property is considered to be owned by each spouse. An exception to this occurs in New Mexico. If the husband predeceases the wife, onehalf of the community property is includable in his estate. But following a court decision in 1931, if the wife dies first no part of the community property is includable in her estate.2 This peculiarity of the law slightly understates the number and wealth of married female top wealthholders.

Lifetime Gifts

Two kinds of transfers are included by law: (1) Incomplete transfers - property interests given in such a way

 $^{^{1}}$ If the decedent held a power of appointment under which he had authority only to confer the property upon some other person, then the value of the property was not includable. (For example, if the decedent possessed a power to appoint the property only to his own children.)

²Hernandey V. Becker (10th Cir., 1931).

that ownership was not actually relinquished during life. (2) Outright gifts made within three years of death presumed to be in contemplation of death. (See 'Other assets'.)

Wealth represented by a transfer which was not completed during life obviously should be included as belonging to the decedent. However the inclusion of outright gifts may cause an overstatement of the assets of top wealthholders. In fact, the wealth is not only assigned to the wrong person but the possibility of double-counting exists. This can occur when not only the donor but also the donee are top wealthholders.

It is likely that this source of overstatement is not a serious one for if the executor contended that outright transfers made within three years of death were not subject to the estate tax, they were not included in the present estimates. The inclusion of gifts actually made in contemplation of death may in part correct one of the biases introduced by using death as a method of sampling. Their inclusion can be viewed as an adjustment for the 'nonrandom' point at which the sample has been drawn, for example, as a corrective for the effect of terminal illness.

Pensions and Annuities

In general, only a portion of the cash surrender value of a pension or annuity was included in the wealth estimates. The bulk of such interests enjoyed by top wealth-holders are not required to be reported. Specifically excluded were Social Security benefits and interests payable only during life, or annuities purchased on or before March 3, 1931.³

Also excluded was the proportion of the cash value which the employer's contribution bore to the cost of pensions under qualified plans. This provision became effective in 1954. For 1960, about 10% of the returns having annuities showed an annuity under a qualified plan. If the annuity had been entirely paid for by the employer it was not reported at all. Qualified plans have probably become increasingly important.

Annuities received under nonqualified pension plans and contracts purchased directly from life insurance companies were included at their cash surrender value in the hands of the surviving beneficiaries. This value was measured in general by the age of the survivor(s). Since even in these cases the fair market value was altered by the occurrence of death, the amount shown as "Annuities" in table A is considerably smaller than the actual wealth enjoyed by top wealthholders from this source.

Trusts and Remainder Interests

If the decedent possessed a remainder interest in a trust or in another decedent's estate this wealth was included in his estate tax return. Further, if the decedent himself had set up a trust *inter vivos* and had not relinquished ownership, its assets were also included.⁵

Although probably not serious, the inclusion of remainder interests in another decedent's estate creates some double counting of wealth. This occurs when returns for a top wealthholder and his heir(s) are both filed during the same year. For example, decedent A bequeathed his estate to his spouse B who died several months later. If the estate tax returns for both are filed in the same year, the wealth is obviously counted twice but not necessarily all taxed twice.

The only trust wealth enjoyed by top wealthholders and not included was that represented solely by an income right. It is quite problematical as to what portion of the total trust wealth is removed from the estate tax in this way. It seems likely, however, that the bulk of trust wealth is included either in the estate of the creator of the trust because he retained some "string" of ownership over it or as a remainder interest in the estate of a beneficiary.

VALUATION ...

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As has been said, the estate tax return as a source of economic information draws notable strength from having been reported from records, generally by highly skilled people and under exacting requirements of law. The person filing the return must answer many questions about the estate, present the value of each type of property in the estate, and attach copies of relevant documents. Examples are the will and trust instruments, income and balance sheet statements of sole proprietorships; partnerships, and closely-held corporations in which the decedent held an interest and any real estate appraisals made. A schedule, Form 712, was also required from insurance companies for each insurance policy on the life of the decedent. In short, the executor is required to prepare a complete catalogue of the decedent's assets, to state their fair market value and to describe how they were held: jointly owned, community property, etc.

For particularly hard-to-value assets, such as an interest in a partnership or closely-held corporation or real estate assets for which there is no ready market, the valuation may be subject to wide differences of opinion. Usually there is a financial stimulus for the executor to use the lowest value he thinks can be sustained. It is not uncommon therefore that valuations are increased when returns are subjected to audit. On the other hand, there are sometimes good financial reasons to select the higher rather than lower value of an asset. Because the

³Lump sum benefits from Social Security for the decedent's funeral expenses - the maximum was \$255 - were included in other assets when reported.

⁴Statistics of Income - 1960, Fiduciary, Gift, and Estate Tax Returns, p.

⁵Remainder interests in a trust or another estate were included in "Other assets". For trusts set up by the decedent the property in trust was allocated to real estate, stocks, bonds, etc. For the number of inter vivos and testamentary trusts see Statistics of Income - 1962, Fiduciary, Gift and Estate Tax Returns, pp. 24 and 26.

⁶Some measure of this bias is available (i.e., the prior transfer credit allowed in such cases). See Statistics of Income - 1962, Fiduciary, Gift and Estate Tax Returns, p. 55 (Definition) and p. 65.

⁷For the number of trusts over which the grantor retained some string to the income, see Statistics of Income - 1962, Fiduciary, Gift and Estate Tax Returns, p. 29. See also Gerald R. Jantscher, Trusts and Estate Taxation (Washington: The Brookings Institution, 1967).

estate valuation establishes the basis for future taxation of the asset in the hands of the heirs, a higher basis may minimize income taxes so that while a higher estate tax is paid the net effect is a tax saving. For example, a higher basis for business property subject to depreciation will increase the allowable deductions for depreciation; a higher basis for property which the heirs intend to sell will minimize the capital gains tax paid on the difference between the estate tax return valuation and the selling price. Overall, however, asset valuations on the estate tax returns used in this study, which were unaudited, are probably somewhat understated.⁸

Time of Valuation

In general, asset prices change over time and for some assets, such as traded corporate stock, this change can be quite dramatic. Ideally, to prevent problems of aggregation, valuations should be made as of one date or in as narrow a time span as possible. However, using the estate tax returns filed during calendar-year 1963 instead of the returns for 1962 deaths, the time span is over 10 years with most of the returns having valuations made in the three-year period, 1961 to 1963.9

Even if the sample had been of a year's deaths, not all of the assets would have been valued during that year. In filing an estate tax return the executor could elect either of two methods for valuing the assets in the estate: (1) valuing all assets at date of death, or (2) valuing assets disposed of in less than one year at the date of disposition and all other property one year after death. The alternative provision, of course, does not apply to changes in valuation due solely to the passage of time which for example can occur in assets such as patent, copyright, and annuity interests.

Generally, but not always, if the estate is valued other than at date of death, the choice was made by the executor because assets in the estate decreased in value. However, even though a specific asset may decline in value, if other assets in the estate increased in value, the alternative open to the executor may not be advantageous.

Corporate Stock

It is likely that the availability of the alternative tends to minimize the value of assets with widely fluctuating market prices. Because of the overall importance of

8It is difficult, if not impossible to quantify the downward bias in valuations shown on the unaudited returns used. C. Lowell Harriss estimated for 1941 that the bias was about 10%. (C. Lowell Harriss, "Wealth Estimates as Affected by Audit of Estate Tax Returns," National Tax Journal, December, 1949, pp. 316-333. His technique, when applied in a somewhat modified form to data for fiscal 1962, yielded about 10% as well.) The method he used is very approximate. It is based on the assumption that changes in valuation are the cause of additional taxes and assessments. However, it is likely that this is not always the case. Many audit adjustments in tax liability are due to the partial disallowance of marital and charitable deductions.

corporate stock, changes in its value may be the single most important factor in the executor's choosing to value assets other than at date-of-death. 11

The history of the alternative seems to bear this out. Chart 17 compares the method of valuation on returns filed in three recent years with Standard and Poor's monthly common stock price index for the period 1957 to 1963. For the sake of simplicity, the returns are assumed to represent deaths occurring exactly 15 months before filing. The filing period is divided into two parts in the chart: the period in which death occurred and the period in which the assets in the estate might have been valued if the executor elected the alternative method.

From the comparison in the chart, it is highly probable that the choice of the alternative valuation bears a direct relationship to corporate stock prices. For 1959 filings, there was a continually rising stock price index, and only a small percentage of returns had alternative vaulations. In contrast, for 1961 and 1963 filings, there were periods in which stock prices were lower than at death, making the alternative valuation advantageous.

In addition to the effect the alternative method may have on traded corporate stock, there is another valuation technique available to the executor which may also tend to minimize the stock's value--the so-called 'blockage adjustment'. If the decedent owned a sizable percentage of a corporation's traded stock, a downward adjustment of the stock's selling price was allowed if the executor could prove that in disposing of the stock the market price would be depressed.

Life Insurance

Life insurance in the estates of decedents is radically different in amount from the corresponding asset in the hands of the living. Through the cooperation of the Institute of Life Insurance, ratios of the following form were developed to reduce life insurance to a level appropriate to the living:¹²

Cash value of policy including cash value of dividend additions less indebtedness.

Face value of policy less indebtedness including dividend additions but excluding accumulations and post mortem dividends.

In previous wealth estimates based on estate tax returns, the only available measure of this ratio by age was that obtained for 1948 of policy reserves to total insurance in force based on the Ordinary life insurance policyholders of one large insurance company. Such ratios probably lead to an overstatement of life insurance equity. First.

⁹For returns filed during 1966, a complete frequency distribution by year of death and year of valuation will be available.

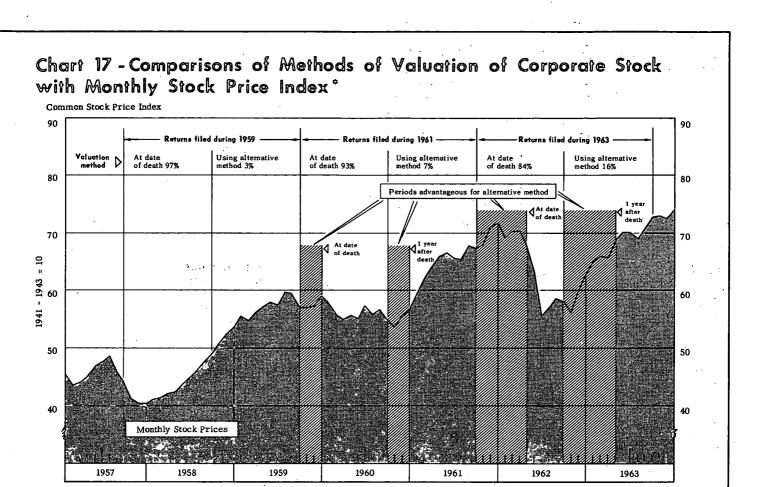
¹⁰Of the 78,393 returns filed in 1963, there were 12,229 (16%) valued under the alternative method. The overall decline in gross estate was \$373 million, about 7% of the total date-of-death value on these returns. See Statistics of Income - 1962, Fiduciary, Gift and Estate Tax Returns, p. 66.

¹¹For returns filed during 1966 the actual importance of the alternative on the values of both real estate and traded corporate stock will be available.

¹²The study was carried out by Mrs. Virginia Holran and Mr. Robert Chiappetta whose help is greatly appreciated.

¹³Horst Mendershausen, "The Pattern of Estate Tax Wealth" in A Study of Saving in the United States by Raymond W. Goldsmith, Dorothy S. Brady and Horst Mendershausen (Princeton: Princeton University Press, 1956), III, pp. 304-306.

¹⁴The use of the overall average "reserve" ratio for all insurance holders, on the other hand, would lead to an understatement of top wealthholders equity even were this ratio the "true" ratio of equity to face because the general insurance population is younger than top wealthholders.



because they were based only on Ordinary insurance, but perhaps more importantly because they were based on all insurance holders and not just top wealthholders.

*Standard and Poor's stock price index, 500 common stocks.

Two things seem to happen to the holding of insurance assets by the wealthy. First, insurance becomes a progressively—less—important—asset—as wealth—increases. Second, borrowing against insurance is much more prevalent among top wealthholders than in the general insurance population. This is not surprising for the chief value of insurance is that it provides (1) an asset readily liquidated at death for the payment of funeral and other expenses occasioned by death and (2) funds for use by the decedent's family to supplement a generally smaller income – obviously considerations of less pressing importance for those with large property incomes and readily convertible assets. 16

The ratios developed by the Institute for mid-1965 (covering the two-week period from July 19 through July 30, 1965) were used without adjustment on the returns filed during 1963; these ratios may have been different

in "1962" but no measure of this difference is available. Eleven life insurance companies participated in the study; these companies had 44 percent of the total Ordinary and Industrial life insurance and 43 percent of the total Group insurance in force in the United States as of December 31, 1964. The data-collected-related to insurance information on death claims for which a Form 712 was prepared. The form is required for each insurance policy on the life of the decedent when filing the estate tax return. A copy of it is shown on page 92.

The Institute's study was based primarily on policies for men; only fragmentary information was available for women - 2,802 or 93 percent of the 3,009 policies were for men. Only one set of ratios was used; however, if the data were available, one each for men and women might have been better. Also precluded by a lack of data were separate ratios for 5 year age groups under 50.18 The

¹⁵ The ratio of policy loans to total insurance in force in the Institute of Life Insurance's 1965 Study of Savings in Life Insurance was 2.9%; the ratio in 1965 for all insurance holders was only 0.9% (computed from the 1966 Life Insurance Fact Book, pp. 19 and 88.)

¹⁶Liquidity, even among the very wealthy, can be a serious problem if assets are held in a family business not readily salable, particularly when a large estate tax must be paid.

¹⁷ The overall ratio for women was 59.2% (considerably higher than that for men and women combined, due largely to the fact that the women were older at death). Although ratios for females were somewhat higher than for males in nearly all age groups, the difference due to sex was not statistically significant.

¹⁸ The ratios in age groups under 50 years demonstrate the same tendency to increase with age as those 50 years or more. These ratios were: under 35, 2.0%; 35 to 39, 4.1%; 40 to 44, 7.7%; and 45 to 49, 12.7%. Because of the thinness of the samples upon which these estimates were based the relative sampling variability (at the 95% level) was excessive, ranging from 74% to well over 100%.

number of policies in the sample, the ratios used, and their standard errors are shown by age in table J. 19

The reliability of the estimation of insurance equity can be judged for each age group using table J. Overall with-

Table J. - LIFE INSURANCE RATIOS

Attained age at death in years	Number of policies	Estimated ratio of equity to face	Absolute standard error of estimate	Relative sampling variability (95 percent level)
		(Percent)	(Percent)	(Percent)
	(1)	(2)	(3)	(4)
Total ¹	3,009	37.2	0.7	5.3
Under 50	224 201	8.7 11.9	1.6	52.5 46.1
55 to 59	356	21.4	2.8	26.2
60 to 64	466	29.1	2.8	26.2
65 to 69	399	42.2	2.9	19.0
70 to 74	457	55.1	2.0	10.0
75 to 79	471	65.4	1.3	5.6
80 or more	435	78.4	1.6	5.7

¹The overall ratio estimate, 37.2%, was used for decedents of unknown age. Source: Institute of Life Insurance 1965 Study of Saving in Life Insurance.

out taking account of the variance in the estimate of total insurance face, total insurance equity would lie between \$12.9 and \$18.2 billion, in 19 out of 20 estimates prepared in the same way. If other sources of variation are considered, the interval would be somewhat wider.

While all insurance on the life of the decedent is reportable on the estate tax return, not all of it is included in the present estimates. Excluded were insurance policies in which the decedent did not have incidents of ownership. 'Ownership' of insurance for estate tax purposes differs somewhat from what one would ordinarily expect. For example, the decedent was not necessarily considered to have owned the policy even though he may have paid the premiums. Conversely, if the decedent owned a policy on the life of another, the cash surrender value of that policy was included as life insurance face and inappropriately adjusted by the insurance ratios. ²⁰ The result of this inconsistency is that life insurance, face or equity, is slightly understated.

¹⁹ The standard errors of the ratio estimates were calculated by first partitioning the total sample into five random groups and then constructing five sets of estimates, one for each group. The range, highest minus lowest estimate, was then divided by five to obtain an estimate of the standard error. To construct the relative sampling variability at the 95% level, the standard error was multiplied by the value of Student's "t" (2.78) for 4 degrees of freedom and divided by the ratio estimate.

²⁰ There were only 85 returns filed in 1961 reporting nonincludable insurance. It is likely however that such insurance has become increasingly important. See Statistics of Income - 1960, Fiduciary, Gift and Estate Tax Returns, p. 54. Based on an advance study of the 1966 filings it appears that the cash surrender value of insurance on the lives of others constituted about 1% of total insurance face. It was probably even less than this for returns filed during 1963.

Personal Wealth Estimated From Estate Tax Returns. 1969

by Keith Gilmour and Charles Crossed

Introduction

This report provides estimates of the personal wealth of one segment of the country's population living in 1969. The estate tax returns filed during 1970 provided the sample from which these wealth estimates for the living were made. Estimates are provided for the portion of the living population in 1969 with gross estates of more than \$60,000, since the sample data were limited to decedents with that wealth level. The underlying assumption is that death draws a random sample from the living population. A technically more precise way of looking at the estimates is that they represent all those for whom a Federal estate tax return would have been required had they died in 1969. The technique used to make these estimates, called the "estate multiplier technique", relies on the fact that for the general population the mortality rate is known for each age and sex group. Therefore, if the number that died in each age/sex group were known, and the mortality rate were known, the population is simply the inverse of the mortality rate for each group.

The estate data which formed the basis for this report were published in Statistics of Income—1969, Estate Tax Returns, to which this volume is a supplement. This is the second personal wealth report to be published. The first, Supplemental Report, Statistics of Income-1962, Personal Wealth, 2 was based on Federal estate tax returns filed in 1963, and was published in 1967.

This report contains two sets of estimates of personal wealth. One set was computed using the mortality rates of those with \$25,000 or more in life insurance with one company. The other set of estimates was computed for the mortality experience of those with \$5,000 or more in life insurance with one company and is comparable to data published in the 1962 report.

At the time the 1962 report was published mortality rates for those with \$25,000 or more in life insurance were not available. Publishing both sets of estimates now was considered desirable for two reasons: (1) the difficult decision of determining which estimates approximate the true values can be deferred since convincing arguments can still be made for using either set; and (2) researchers interested in trends over

The estate multiplier technique is discussed further in the Appendix, but some problems associated with the technique are discussed here to provide an indication of some of the limitations inherent in the wealth estimates for the "top wealthholder" population provided in this report. The term "top wealthholder" is used throughout this report to refer to those in the living population with a gross estate of more than \$60,000 in 1969.

Perhaps the chief problem that confronts all applications of the estate multiplier technique is the lack of exact mortality rates appropriate to the top wealthholder population. This deficiency is very important for there is much evidence to support the view that the mortality rates of those with economic well-being are more favorable than for the general population. On the basis of this evidence, which is discussed in detail in the Appendix, it is reasonable to assume that the mortality rates of top wealthholders are more favorable than the average mortality rates. The etsimates based on the two different sets of mortality rates used in this report may represent a likely range of mortality for the top wealthholder group.

Other limitations associated with the estate multiplier technique that deserve early consideration relate to estate tax return reporting requirements and the wealth concepts or which measures are available.

Though the estate tax return is a rich source of economic information, generally prepared from records by highly skilled people and under exacting requirements of law, the wealth reported on the return is not identical with what is ordinarily considered a man's personal wealth. The financial value of life insurance to a living person, for example, is its cash surrender value; the estate of a deceased person includes the insurance at its full face value. In the estimates presented in this report, insurance proceeds were adjusted so both equity and face values of insurance could be included in different concepts of wealth.

Gifts and other transfers of wealth which were made by the decedent within three years of his death are included as part of his wealth in this report. Such wealth must be reported on the estate tax return on the theory that the transfer was made in contemplation of death.

Some duplication in wealth is included in these estimates to the extent that the estate returns of both benefactors and beneficiaries were filed in 1969. This is also true with respect to jointly held property which is included as wealth of one 203 person.

time can use the lower estimates which are comparable to previously published data. The tables which are directly comparable with the 1962 data are in the "Trends in Wealthholding" section of this report.

¹ The time period for these estimates would center around the end of 1969 to the beginning of 1970 because 66 percent of the estate returns were for individuals who died in 1969; 19 percent for 1968 decedents, and 13 percent for 1970 decedents. In addition, the estimate period is pushed forward in time owing to the alternative valuation which permitted valuation of estates as of one year after death. About 30 percent of 1969 decedents' returns used alternative

² Internal Revenue Service Publication No. 482 (7-67), available from the U. S. Government Printing Office, Washington, D. C. 20402, price 65 cents.

Some types of wealth such as pensions, annunities, and trust interests, represented only by an income right of the decedent, and certain community property interests, are excluded from the estimates. Wealth is also affected by expenditures related to long-term illnesses.

The valuation of estate tax return assets may be understated for other reasons. The estimates are based on returns as filed for decedents, before audit, and assets for which no ready market exists could be undervalued by the executor in the interest of minimizing the estate tax. In addition, the option to use the alternative valuation had the effect of reducing reported wealth. For returns used in this report, those filed in 1970, the alternative method permitted valuation one year after death, or on date of disposal.

The estimates in this report should be relatively accurate with regard to showing the patterns of asset holdings among different age, sex, and marital status groups of top wealth-holders. The estimates are less precise in terms of the absolute value of these asset holdings.

In summary, the estate multiplier technique is a potentially powerful tool, but further research in mortality rates appropriate to the subject population is needed. Future uses of the technique should also provide better measures of the personal wealth of the living which would include a more accurate determination of life insurance equity value, and allocate the lifetime transfers if they are included at all, to the appropriate asset item.

Summary of Findings

There were an estimated 9.0 million individuals in the living population in 1969 with gross assets of more than \$60,000. These 9.0 million top wealthholders represented about 7.4 percent of the mid-year U.S. adult population. More than 5.6 million of this group were men, while 3.4 million were women, representing 10 percent and 5 percent respectively, of the adult populations. Based on the "\$5,000 or more" mortality rates (life insurance policies of \$5,000 or more with one company), there were 8.2 million individuals in the top wealthholder group, which accounted for 6.7 percent of the adult U.S. population. The proportions of men

Table A. --NUMBER OF TOP WEALTHHOLDERS AND ASSET COMPOSITION,
BY SIZE OF NET WORTH, 1969

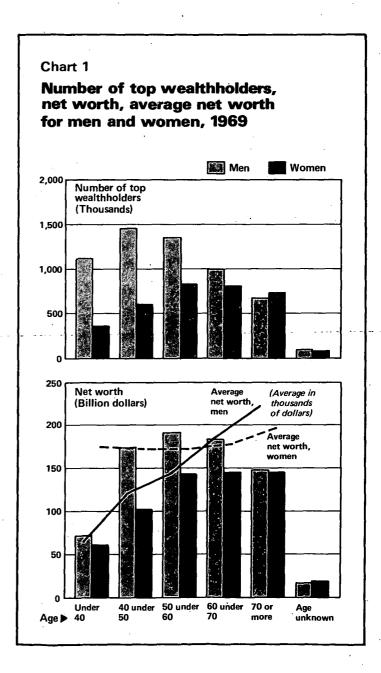
[All figures are estimates based on estate tax return samples]

		, –	Size of net worth							
Item	Total	Under \$50,000	\$50,000 under \$100,000	\$100,000 under \$300,000	\$300,000 under \$1,000,000	\$1,000,000 or more				
	(1)	(2)	(3)	(4)	(5)	(6)				
Number of top wealth- holdersthousands	9,013	1,815	3,497	2,937	642	121				
	(Billion dollars)									
Total assets	1,580.6	94.5	301.8	516.0	345.3	323.0				
Real estate	428.3 551.4 85.3 189.7 59.4 31.0 235.8	51.1 9.7 0.8 8.4 2.2 7.8 14.4	118.9 55.7 10.9 55.4 11.8 8.7 40.3	160.1 153.8 21.7 79.3 24.2 9.4 67.4	70.0 151.4 22.1 33.7 15.1 3.6 49.5	27.9 180.8 29.9 12.9 6.0 1.3 64.2				
Net worth	1,377.0	44.6	259.1	463.6	313.7	296.1				

NOTE: Detail may not add to totals because of rounding.

and women are about the same regardless of which mortality rates are used. A brief summary of the estimates, and the basic tables derived from the "\$5,000 or more" mortality rates are provided in the "Trends in Wealthholding" section of this report. Unless otherwise indicated, estimates in the text, tables, and charts are based on the more favorable "\$25,000 or more" mortality rates.

The top wealthholders had total assets valued at \$1.6 trillion and debts of \$0.2 trillion for a net worth of \$1.4 trillion. As indicated in table A, nearly three-fifths of the top wealthholders had a net worth of less than \$100,000. About 8 percent had a net worth in excess of \$300,000. Overall, corporate stock at \$551 billion was the largest single asset item in the top wealthholders' balance sheet. This was followed by real estate valued at \$428 billion. Two-fifths of the total value of real estate was held by those with net worth of less than \$100,000, three-fifths of the corporate stock was held by



those with net worth of \$300,000 or more. Together these two asset items accounted for 60 percent of the total assets held by all top wealthholders.

Men comprised 63 percent of the top wealthholders and controlled 56 percent of the net worth. Women made up only 37 percent of the number but controlled about 44 percent of the net worth. As indicated by these figures, the net worth of women was higher than that for men, averaging \$179,000 compared to \$137,000 for men.

The pattern of wealth among men was closely correlated with age. As age increased the average net worth steadily increased, from \$63,000 for men under 40 to \$218,000 for men age 70 or more. The pattern for women is not as closely correlated to age, probably owing to the way wealth is obtained.

For the first three age groups shown in chart 1, the average net worth for women was virtually the same, \$171,000; with a gradual increase to \$195,000 for those over age 70.

On the average the women were older than the men. About one-fifth of the men and one-tenth of the women were under 40 years old. In the "70 or more" age group were only about 12 percent of the men compared to 22 percent of the women.

The vast majority of the male top wealthholders were married, over 83 percent, while less than 6 percent were widowed. This compares with 47 percent of the females who were married and 34 percent who were widowed. Single individuals accounted for about 8 percent and 11 percent of the male and female top wealthholders, respectively.

Top Wealthholders in Perspective

Concepts of Wealth

As indicated in the Introduction, this report provides estimates of the number and wealth of individuals with a "gross estate" of more than \$60,000 during 1969. The gross estate criterion is a Federal estate tax concept of wealth that does not conform to more usual definitions of wealth mainly because life insurance at face value is included as wealth of the decedent. Therefore, three measures of wealth are used throughout this report; gross estate, total assets, and net worth. Since net worth is the more usual concept of wealth, it is used as the major classifier.

Gross estate is the gross value of all assets including the full face value of life insurance reduced by policy loans and before the reduction by the amount of debts. This measure defines those included in the top wealthholder group.

Total assets, a lower wealth value, is still essentially a gross measure. This is obtained by using the cash value of the life insurance asset; that is, the value the insurance had immediately prior to death.

Net worth, of course, is the level after all debts have been removed, and includes the cash value of life insurance. Table B indicates the number of top wealthholders at four wealth levels, using the three definitions of wealth. Whereas nearly 148,000 individuals were millionaires in 1969 according to the value of their gross estate, only about 121,000 were in the millionaire category in terms of net worth.

The relationships between the three levels of wealth are shown in more detail in the basic tables. Table 19 provides a profile of the relationship between total assets and net worth; table 32 provides a profile of the relationship between gross estate and net worth.

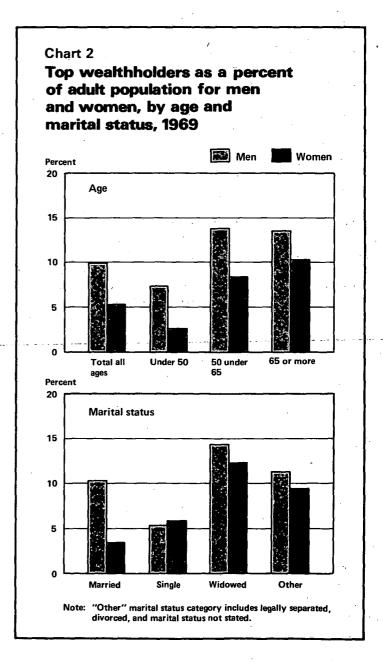
Tables 30 and 31 provide a comparison of all top wealth-holders to those with net worth of less than \$60,000. Of the 9.0 million top wealthholders, 2.4 million had a net worth of less than \$60,000. They accounted for only 8 percent of the total assets. Many of the individuals with net worth of less than \$60,000 are top wealthholders by virtue of the fact that they had large life insurance policies; others in the group, nearly one million of them, had total assets averaging more

Table B. -NUMBER OF TOP WEALTHHOLDERS UNDER THREE MEASURES OF WEALTH, BY SIZE OF WEALTH, 1969

([All	figures are	estimates	based on estate	tax r	return	samplesnumbers	are in thousands]
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	Size class	Number as measured by			
,		Net worth	Total assets	Gross estate	
		(1)	(2)	(3)	
Total	•••••	9,013	9,013	9,013	
Under \$100,000 \$100,000 under \$300,000 under \$1,000,000 or	643	4,620 3,504 749 140	3,341 4,624 900 148		

than \$60,000, but debts brought net worth below the \$60,000 level. About 94 percent of those with net worth of less than \$60,000 had life insurance compared to 66 percent of the wealthholders with net worth of \$60,000 or more. Those in the under \$60,000 net worth category also had a significantly higher level of debts than other top wealthholders. The ratio of their debts to total assets was 44 percent compared to 10 percent for other top wealthholders.



Top Wealthholders in the Total Population

The number of top wealthholders in the United States in 1969 was estimated to be 9,013,000, or 7.4 percent of the total adult population. More than 3,370,000 top wealthholders were women, accounting for about 5 percent of the adult female population, while the remainder were men accounting for 10 percent of the adult male population.

As expected, the proportion of the population in the top wealthholder group increased with age, from about 5 percent of those "under age 50"; 11 percent of those "age 50 under 65"; and nearly 12 percent of those age 65 or older.

Chart 2 provides the proportion of men and women that were top wealthholders by age and marital status.

Wealth Profile

The composition of wealth is related to age, sex, marital status, and the total amount of wealth held. For a number of reasons the present report can only provide partial answers to the question of the direction and magnitude in which these influences interact. One limitation is that the asset categories are quite broad and not always very homogeneous.

Individual movements within an asset category may be obscured or confounded by other, perhaps opposite, tendencies. Even within such a relatively homogeneous category as publicly traded stock, important but unobserved changes in portfolio composition may occur. Because of the graduated income taxes, there may be a shift toward growth stocks with lower yields as wealth increases.

Types of wealth held by men and women

More men were in the top wealthholder group, but, on the average women held more wealth and of different composition. Men averaged about \$163,000 in total assets, compared to about \$195,000 for women. Women held an average of \$102,000 in corporate stock and \$27,000 in cash, compared to \$72,000 and \$19,000 respectively for men. Men had noncor-

Table C.-ASSETS, DEBTS, AND NET WORTH FOR MALE AND FEMALE TOP WEALTHHOLDERS, 1969

[All figures are estimates based on estate tax return samples--numbers are in thousands, money amounts are in billions of dollars]

	Total		Men		Women	
Item :	Number of top wealth- holders	Amount	Number of top wealth- holders	Amount	Number of top wealth- holders	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
Total assets	9,013	1,580.6	5,643	921.9	3,370	658.7
Corporate stock Bonds, total Corporate and foreign State and local Federal savings Other federal	6,600 (^l) 1,312 399 2,422 647	551.4 85.4 15.5 23.2 20.0 26.6	4,051 (¹) 754 177 1,474 308	291.4 42.0 8.6 10.8 10.7 11.9	2,549 (¹) 558 222 948 338	260.1 43.2 6.8 12.4 9.3 14.7
Real estate	7,400 8,591	428.3 189.8	4,810 5,398	274.9 102.4	2,590 3,193	153.0 87.2
assets Notes and mortgages Life insurance equity Other assets	2,429 2,597 6,559 8,161	88.8 59.4 31.0 147.0	1,909 1,588 5,006 5,215	74.7 36.6 28.1 71.6	519 1,009 1,552 2,945	14.1 22.8 2.8 75.4
Debts	7,996	203.7	5,063	147.1	2,932	56.6
Net worth	9,013	1,377.0	5,643	774.8	3,370	602.2

¹Not available. NOTE: Detail may not add totals because of rounding. porate business assets averaging \$39,000 and life insurance equity averaging less than \$6,000 compared to \$27,000 and \$2,000 respectively for the same items for women.

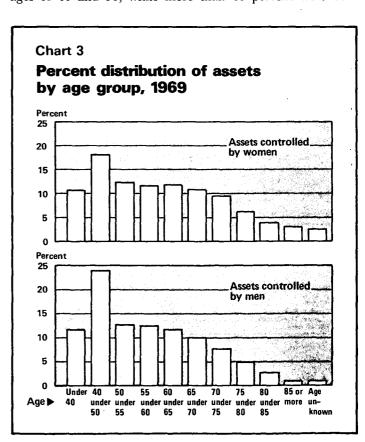
As a percent of total assets, the debts and mortgages of men were twice those of women, 16 percent compared to 8 percent. The reason for the large difference in the debt relates to the fact that proportionally more men hold the assets which are typically mortgaged, such as real estate and business assets.

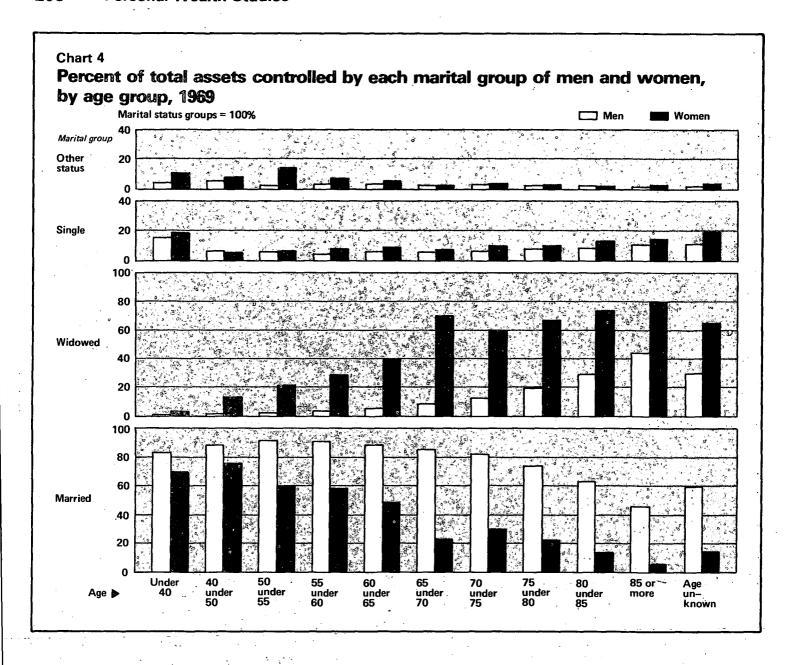
Table C indicates some of the differences between the holdings of men and women. Proportionally more men than women own real estate, noncorporate business assets and life insurance; more women owned corporate stock, bonds of all types, and notes and mortgages. The overall differences are large for only a few items. About 34 percent of the men had noncorporate business assets, and 89 percent had life insurance, compared to 15 percent and 46 percent respectively, for women who held these assets. On the other hand, 6 percent of the women held State and local bonds, and 10 percent held other Federal bonds, compared to 3 percent and 5 percent of the men respectively.

Age and marital status

Men between the ages of 40 and 50 years controlled about one-quarter of the total assets, while men between the ages of 40 and 60 controlled about one-half the total assets held by men. As indicated in chart 3 men under age 40 accounted for nearly 12 percent of the male-held assets, and the remaining 40 percent was distributed among men 60 years or older in decreasing proportions as age increased.

For women the pattern was different. About 18 percent of female-held assets were controlled by women between the ages of 40 and 50, while more than 40 percent were con-





trolled by those of ages 40 to 60 years. Chart 3 shows that about one-fifth of the assets were held by women between 65 and 75 years old.

The vast majority of the males were married, while less than one-half of the female top wealthholders were married. Only 5 percent of the men were widowers, while more than one-third of the women were widows. When the top wealthholders' age is taken into account the marital status pattern in wealthholding is that shown in chart 4, in terms of the proportion of total assets controlled by each age group for men and women.

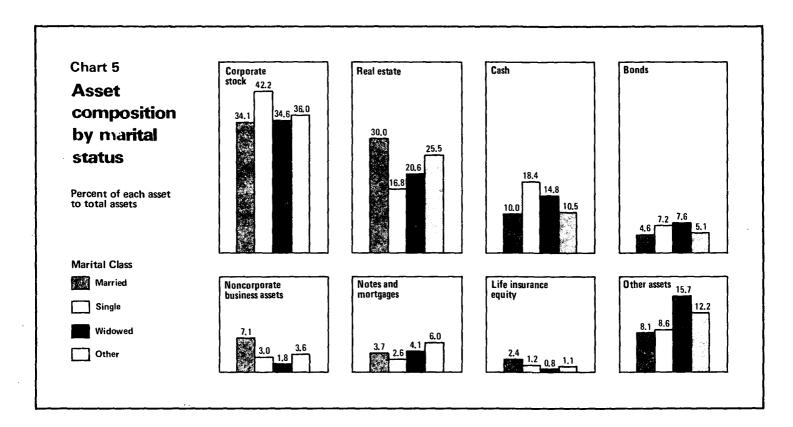
For married top wealthholders corporate stock and real estate accounted for 34 percent and 30 percent of total assets, respectively. For those not married, corporate stock was a significantly greater proportion of total assets than real estate, as indicated in chart 5. Cash, which includes bank deposits and savings accounts, was the third most important asset item, and ranged from about 18 percent for "singles" to about 10 percent for "marrieds" and "others".

Although it is not shown in chart 5, a comparison with data for 1962 (see "Trends in Wealthholding" Section) indicates that cash in 1969 made up a significantly higher proportion of total assets for all groups of top wealthholders.

The charts on the following pages give some idea of the direction and importance of the interaction of age, sex, and marital status and size of wealth. Data for a more extensive analysis of asset composition will be found in tables 24–29.

Size of Wealth

Chart 6 shows the variation in the composition of assets as related to amount of wealth. Those top wealthholders with a net worth of less than \$50,000 had an average of 55 percent of their assets in real estate, and every other asset item averaged 10 percent or less of the total. There were significant differences between men and women in the extent to which certain assets were held. The two dominant asset items, real estate and corporate stock, ranged from about 58 to 72 per-



cent of the assets of women. For men, these two asset items accounted for about 57 to 63 percent of total assets. For both men and women the relative importance of real estate steadily decreased as wealth increased, whereas the proportion of corporate stock held increased as wealth increased. Corporate stock, about one-tenth of total assets for both men and women with net worth of \$50,000 or less, accounted for over one-half of the assets of men who were millionaires, and three-fifths of the assets of women with net worth of \$1 million or more. Certain types of bonds were favored by the wealthy. Of the categories shown in chart 6, women with net worth of \$50,000 under \$100,000 had the highest holdings of Federal savings bonds at 2.7 percent, and no correlation to amount of wealth is apparent. The bonds favored by millionaires were State and local bonds and other Federal bonds, which included Treasury notes and bills as well as special issues that could be used to pay estate taxes at death. Holdings of both these types of bonds increased steadily as wealth increased, from a fractional percentage of total assets for the lowest wealth category to a total of 6.7 percent for millionaire women. For millionaires, while the proportion of total assets was small, on the average they held \$256,000 in these two types of bonds.

Three asset items, corporate stock, real estate, and cash accounted for 72 percent of the assets of all top wealthholders. As indicated in chart 7, the average holdings of these items vary with size of wealth. As would be expected, for those in the lower net worth categories, real estate holdings dominated total assets. Those top wealthholders with real estate and net worth between zero and \$30,000, had real estate that averaged between \$25,000 and \$30,000 in value, probably a personal residence in most cases. The average value of real estate increased gradually as net worth increased, and re-

mained the most important asset item to a level in wealth of about \$150,000, when corporate stock became more important. Chart 7 provides a clear indication of the relationship between these asset items. Although they are not included in the chart, over 71,000 top wealthholders had negative net worth and over one-half of them had corporate stock and real estate which averaged \$20,000 and \$60,000 respectively; cash was held by 86 percent of them, and averaged \$56,000. Obviously many of these top wealthholders had both high assets and high debts.

For the wealthiest group, corporate stock is the most important asset item, and is held to some extent by virtually all of them. Top wealthholders worth \$1 million or more have, on the average, \$1.5 million in corporate stock and those worth \$10 million or more hold, on the average, more than \$10 million in corporate stock.

In general, the size of a top wealthholder's net worth bears the most persistent and dominant relation to asset composition, particularly in the holding of insurance, stock, and real estate. Sex and age play less important roles but are useful classifiers of such assets as insurance which is considerably more common among men and the holding of bonds which is closely related to age and wealth. Single people also seem to differ in asset preference from the married and widowed. However, sometimes differences between groups are so small that it is impossible to determine whether the differences are due to anything more than sampling variability. A summary of these relationships and description of major shifts is presented with the charts which follow.

The charts on the following pages present three profiles of the holdings of assets and debts. The proportion of the asset type to total assets is shown for each wealth group by age, sex, and marital status. For example, single men under 50 years Chart 6

Asset composition by size of net worth

Percent of each asset to total assets by sex





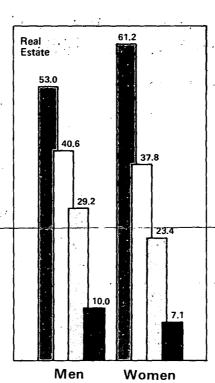
Under \$50,000

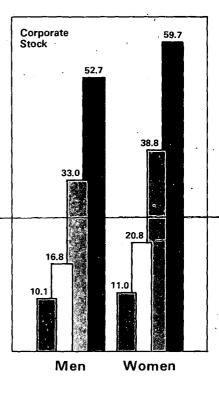


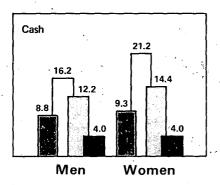


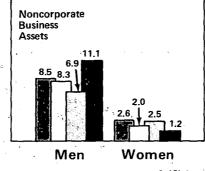
\$100,000 under \$1,000,000

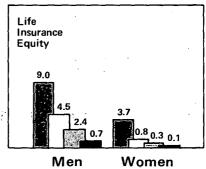


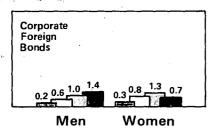


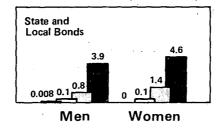


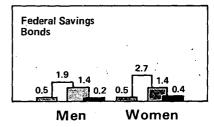


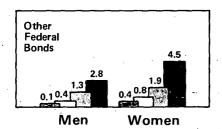


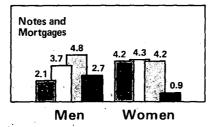


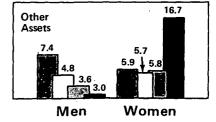






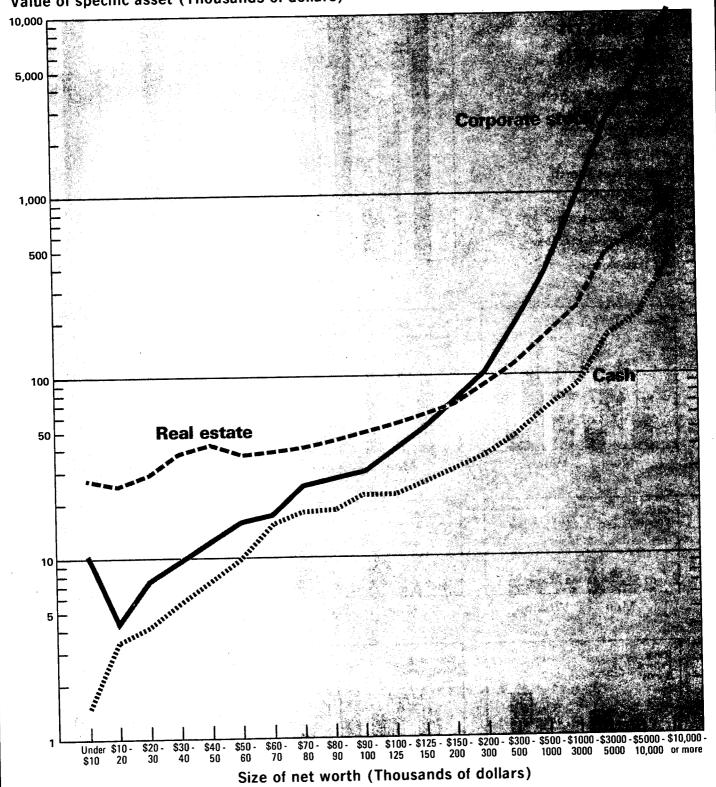




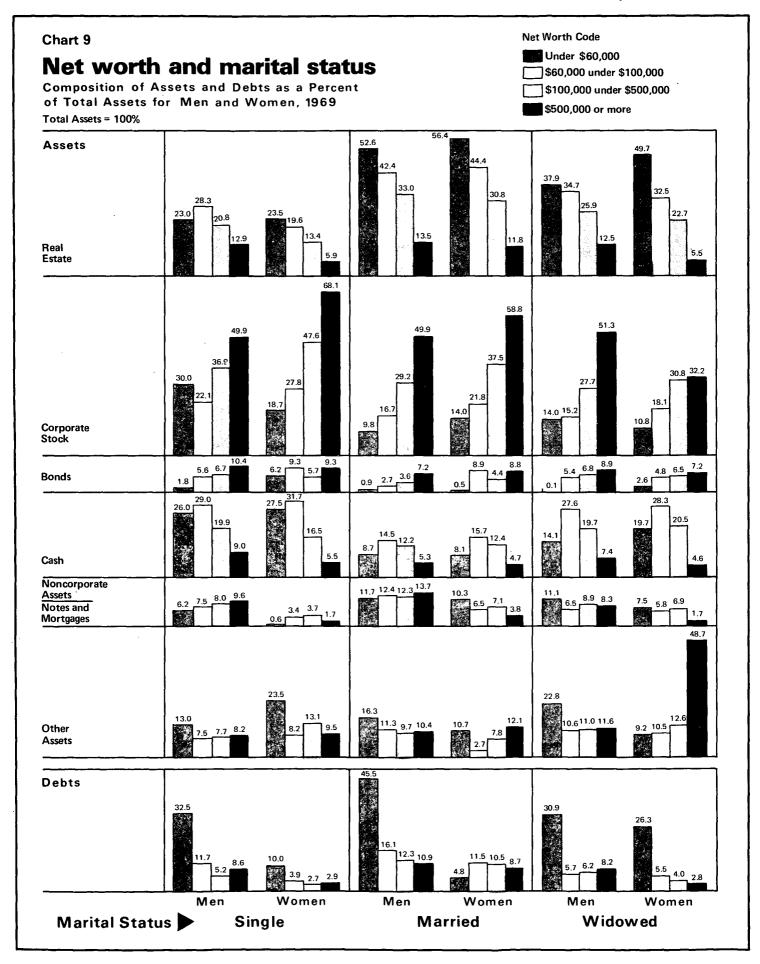


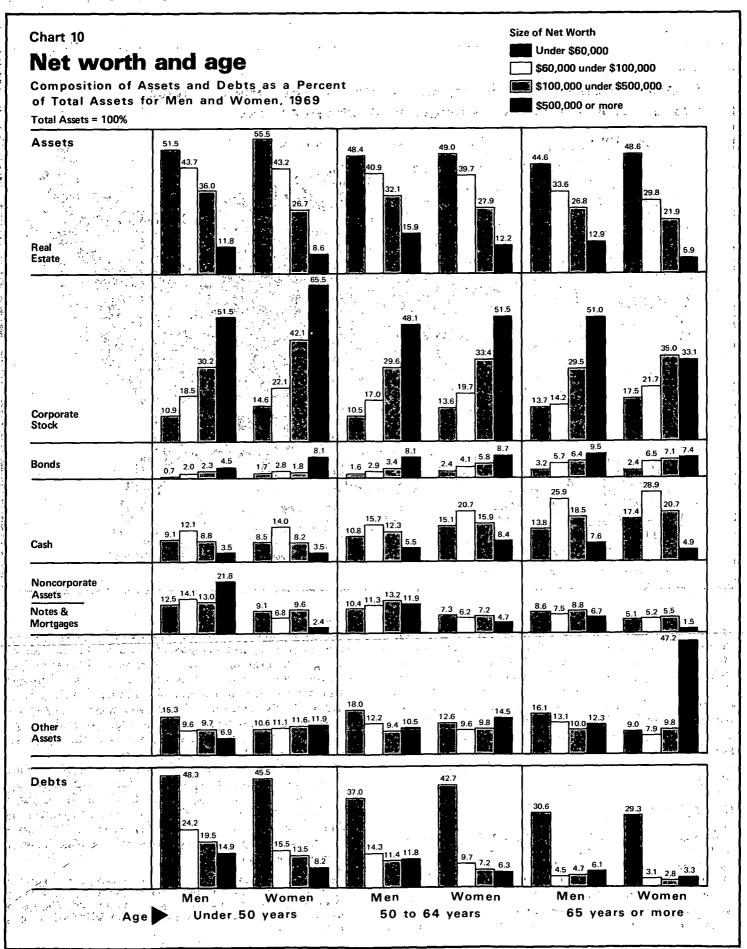
Average value of corporate stock, real estate, and cash, by size of net worth, 1969

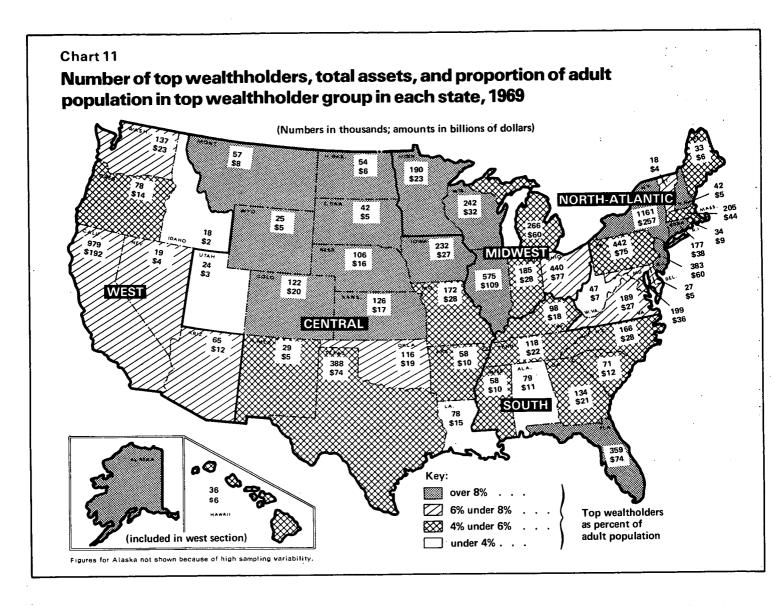
Value of specific asset (Thousands of dollars)



212







old have two-fifths of their assets in corporate stock, one-fifth in real estate, and debts of only 13 percent of total assets; single men with net worth under \$60,000 had 30 percent of their assets in corporate stock, 23 percent in real estate and their debts were nearly one-third of their assets. The charts can also be used to compare the variation in the holdings of a particular asset for groups of different characteristics. For example, the holdings of corporate stock as a percent of total assets show a very consistent pattern of growth as wealth increases for both men and women and regarding less of marital status.

Geographic Area

Though the distribution of top wealthholders generally reflected the population density in 1969, the proportion of top wealthholders for each State differed significantly by region of the country. Chart 11 indicates that the region with the highest relative concentration of top wealthholders was the block of States in the north-central part of the country, where predominantly large farms require high investments in

land and equipment. This is substantiated by the composition of assets in those States compared to others that had above-average concentrations of top wealthholders. Real estate and noncorporate business assets accounted for 40 to 60 percent of the total assets of top wealthholders in most of those States (Table 33). By contrast, in Florida and in the New England States that had over 8 percent of the adult population in the top wealthholder group, these two asset items accounted for between 20 and 30 percent of total assets.

The North-Atlantic section¹ of the country had one-third of the total number of top wealthholders, with New York having more than any other State, 1.2 million. The Midwest had 21 percent and the South had 12 percent (one-third of whom were in Florida). The Central States had 18 percent and the remaining 15 percent were in the West, most of whom were in California.

¹ Geographic areas are Office of Management and Budget Statistical Areas or combinations thereof. North-Atlantic section includes OMB Regions I, II, and III; South is Region IV; Midwest is Region V; Central is Regions VI, VII, and VIII; and West is Regions IX and X.

Basic Tables

Numbers of top wealthholders in the tables which follow are unrounded, primarily so frequencies could be presented in many data cells containing less than 1,000 top wealthholders. This convention has been followed to make it easier for the reader to use the tables and preserve the accuracy of any appropriate data combinations. In terms of any economic analysis based on these data, it is recommended that the

number of top wealthholders be rounded to the nearest thousand, because this is more consistent with the accuracy of the estimation technique.

Amounts have been provided in millions of dollars in keeping with the presumed accuracy of this technique. An asterisk (*) appears in every data cell where the amount is less than \$500,000.

Table 1. - ALL TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

· [A	11	figures	are	estimates	based on	.estate	tax re	stura e	amples-money	amounts ar	e in millions	of dollars]

[All figures are	estimates ba	sed on este	te tax retu	rn sample	money em	ounts are	in m	illions of	dollars]			
		1	De	bts and m	ortgages	-		T		Types of	assets	
Size of net worth	Number of top wealth- holders	Tota asset		nber	Amount		et rth		Cash		Corporate	stock
			_	1 1		<u> </u>		Numbe	r .	Amount .	Number	Amount
	(1)	(2)	(3))	(4)	(5)		(6)		(7)	(8)	(9)
Total	9,012,808	1,580	,603 7,9	95,503	203,639	1,37	6,964	8,591,	,028	189,670	6,600,439	. 551,421
Negative net worth	71,414 1,743,741			71,414 74,454	9,682 40,247		3,840 8,431	61, 1,611	,521 ,756	354 8,016	38,443 982,901	805 8 .875
**20,000 under \$70,000	1,475,144 2,022,102	110	950 1,2	77,758 14,828	20,513 22,214	. 9	0,437 8,589	1,407	629	18,814 36,560	1,004,705	16,683
\$50,000 under \$70,000. \$70,000 under \$100,000. \$100,000 under \$150,000.	1,639,385	222		42,661	23,577		8,514	1,582		38,054	1,454,814 1,280,896	39,031 55,995
\$150,000 under \$300,000 \$300,000 under \$1,000,000				81,406	28,911		4,960	1,249		41,244	1,129,679	97,846
\$1.000.000 under \$5.000.000	642,732 111,322			13,840 09,818	31,586 19,347		3,697 2,637	635 110		33,709 10,385	592,502 107,328	151,452 119,801
\$5,000,000 under \$10,000,000 \$10,000,000 or more	5,917 3,413	44	392 706	5,911 3,413	3,665 3,896	4	0,727	5	917 413	1,227	5,782 3,389	25,640 35,293
	3,	1					<u> </u>	 -		1,500	3,303	33,293
		and foreign		<u> </u>	Туре	Governme			-		I if a inquir	ance equity
Size of, net worth	×	nds	State 6	and local	bonds Pe	deral sa			Other Fed	eral bonds	Dire nibu	mice edition
	Number	Amount				lumber		ount	Number	Amount	Number	Amount
	(10)	(11)	(12)	(1	3)	(14)	(1	5)	(16)	(17)	(18)	(19)
Total	1,311,870	15,50	399,	173	23,249 2	,422,559	,	0,035	646,570	26,619	6,558,764	30,974
Total Negative net worth	2,965		ιο .	-	-1	5,009		1	113	. (*)	67,193	476
\$0 under \$50,000 \$50,000 under \$70,000	l 89.697	18		514 900	6 81	375,297 419,034		2.064	34,080 56,957	120 468		7,353 4,130
\$70,000 under \$100,000	264,031	1,62	26 31,	442	230	570,919	}	4,682	114,522	1,243	1,344,363	4,605
\$100,000 under \$150,000	266,646	2,17			514	484,665		4,403	114,278	1,522		4,596
#150;000 under #300;000	299,253 220,467	3,20 4,28			2,054 6,637	359,956 180,221		4,523 2,907	145,008 140,358	3,277 8,320	814,471 404,705	4,863 3,633
\$1,000,000 under \$5,000,000	46,571	2,78	37 50,	856	8,268	25,367	1	593	36,840	5,528	62,107	1,114
\$5,000,000 under \$10,000,000 \$10,000,000 or more	3,112 2,639	33		537	3,053 2,405	510 1,581	<u> </u>	10 409	2,659 1,755	2,561 3,579		121 84
			Tv	Des of ass	ets—Conti	wed .				Patet	e tax return s	101101100
Size of net worth	Notes and	nortgages	-;	estate	Noncorpo	rate bus:	iness	Other	assets	Number		Net
$\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} $	Number	Amount	Number	Amount	Number	asets Amo	um t	Number	Amoun	retur		worth
	(20)	(21)	(22)	(23)	(24)	(25		(26)	(27)	(28)	(29)	(30)
Total	2,597,026	59,440	7,400,060	427,955	2,428,80		,776	8,160,566				26,911
Negative net worth	21,821	409	40,059	2,454			931	70,454	. 4	02	222 50	-15
\$0 under \$50,000	240,024 341,844	1,843 3,953	1,437,596 1,245,964	48,668 47,364			,361 ,850	1,609,059 1,316,479	6,8		003 596 721 1,510	196 1,244
\$70,000 under \$100,000 \$100,000 under \$150,000	564,704 526,935	7,886 9,711	1,645,457 1,355,321	71,522 76,638	485,3	16 9	,077 ,143	1,765,044 1,466,196	14,3	41 36	039 3,338 531 4,053	3,012
\$150,000 under \$300,000 \$300,000 under \$1,000,000	527,635 308,515	14,480 15,109	1,059,111 520,735	83,478 69,92			,585 ,713	1,198,699 615,447			500 5,632 366 7,001	5,208 6,562
\$1.000,000 under \$5.000,000	59,664	5,066	87,817	22,550	43,8	14. 8	,112	109,875	27,7	79 2,	352 4,600	4,263
\$5,000,000 under \$10,000,000 \$10,000,000 or more	3,114 2,770	534 448	4,698 3,302	2,834 2,521			,369 ,636	5,902 3,413		96	145 1,063 63 1,822	
												

Table 2. - MALE TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

[All figures are estimates based on estate tax return samples-money amounts are in millions of dollars]

			Debt	s and mor	tgages	· _			ī	ypes of a	ssets	
Size of net worth	Number of top wealth-	Total]	$\neg \top$. Net		Ca	sh		Corporate	stock
Bize of her worth	holders	assets	Numbe	er i	Amount	*0.7 cm	N	mber	Amo	unt	Number	Amount
	· (1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)
Total	5,642,619	921,86	5,063	,373	147,070	774,79	3 5,3	98,428	102	,429	4,051,195	291,423
Negative net worth	63,647	4,6	26 63	.647	7,445	-2,82		53,754		263	31,440	561
	1,558,092	77,2	55 1,411		34,758	42,49 54,12		37,028 355,992		,933),313	873,005 610,235	7,726 9,667
AEO 000 AEO 000	893,962 1,069,198	68,5 104,3		,885 ,296	14,431 15,178	89,13		32,549		7,721	782,818	19,291
\$70,000 under \$100,000 \$100,000 under \$150,000	918,830	126,4		,245	14,982	111,50		98,450	19	,523	735,421	29,604
\$1.50.000 umdom \$300.000	708,130	165,7		,705	20,549	145,23		94,634		,823	615,188	49,729 83,581
\$200,000 4-m \$1,000,000	369,590	201,5		,775	22,166	179,42		65,840 55,732		3,885 5,829	343,814 54,884	58,982
	56,721	110,4		,067 ,807	12,454 2,401	97,97		2,814	l .	612	2,755	13,831
\$1,000,000 under \$10,000,000	2,814 1,635	22,4 40,4		,635	2,705	37,69		1,635	1	526	1,635	18,451
					Turne	s of assets-	Continue	d				
			 		Type	8 OI 889679-	-00102110		.			
at a sa sat worth		and foreign nds				Government	bonds		•		Life insur	ance equity
Size of net worth			State an	d local b	onds Fe	ederal savin	s bonds	Othe	r Federa	l bonds	Number	Amount '
	Number	Amount	Number	Amo	unt	Number	Amount	Numi	er	Amount		
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Total	753,773	8,650	177,28	2 10	,813 1,	,474,450	10,726	308	,179	11,930	5,006,529	28,141
Negative net worth	1,607	2	: [-	-	3,652	1		113	(*)	61,546	454 6,908
#0dom #50 000	77,103	153			6	341,739 230,327	377 1,041		,118 ,615	66 186	1,543,857 796,348	3,690
450 000 mdex \$70 000	77,195 130,493	314 790			61 68	319,857	2,273		,883	474	892,744	4,040
\$70,000 under \$100,000 \$100,000 under \$150,000	148,081	1,023			282	266,530	2,275			700	772,874	4,129
43.50.000 .mdom 4300.000	168,594	1,705		.1	704	197,196	2,574		,199	1,462	577,681 309,402	4,40 3,34
#200 000 smdon #1 000 000s	119,780	2,223		3 2	,909	99,822 14,463	1,837 336		,744 ,735	4,121 2,432	48,466	99
\$1 000:000 under \$5.000.000	27,967 1,664	1,987		5 1	,958 ,723	260	6	1 "	895	592	2,132	8
\$5,000,000 under \$10,000,000 \$10,000,000 or more	1,289	151			,100	604	5	1	588	1,897	1,479	8
		·	Тур	es of ass	ets—Conti	inued				Estate	tax return	tatistics
Size of net worth	Notes and	mortgages	Real e	state		orate busine assets	88	ther ass	ets	Number		Net
	Number	Amount	Number	Amount	Number	r Amoun	. Num	ber	Amount	retur	ıs estate	worth
	(20)	(21)	(22)	(23)	(24)	(25)	(2	6)	(27)	(28)	(29)	(30)
		36,588	4,810,496	274,912	1,909,4	45 74,68	5 5,215	,355	71,566	83,5	58 18,679	16,394
Total	1		· · ·	-	22,2		1	.688	363] 2	00 46	-13
Negative net worth	17,955 193,346	243 1,475	32,822 1,302,440	1,899 41,491	361,5				5,999	5,4	92 552	178
\$0 under \$50,000	1 204,910	2,252	774,093	29,364	312,2	33 6,42	5 818	,944	5,233	12,0		
\$70 000 under \$100.000	316,888	4,099	922,663	40,839	374,4			,850	6,814 8,451	21,0 18,8		
\$100,000 under \$150,000	308,316	5,464	796,309	44,618	358,0	1		·		1 1	1	
	313,292	8,414	616,560	53,374	282,6			3,786 7,204	11,190 15,347	15,8		4,194
\$150,000 under \$300,000												
\$1.50,000 under \$300,000 \$300,000 under \$1,000,000	190,249	10,022	314,547	46,061 14.006	166,1			097	11,229	1,4	43 2,879	
\$150,000 under \$1,000,000	33,924	10,022 3,928 328	314,547 47,237 2,230	14,006		199 6,74 167 1,17	6 50			1 '		620

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Table 3. - FEMALE TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

[All figures are estimates based on estate tax return samples—money amounts are in millions of dollars]

	 		De	bts and	mortgage	8			<u></u>		Types of	asset	.8	
Size of net worth	Number of top wealth- holders	Total asset		ber	Amour	nt	Ne:			Cash			Corporate	stock
	noiders		""		,,,,,,	.,			Numi	er .	Amount	Nu	mber	Amount
	(1)	. (2)	(3)	(4)		(5)		(6)		(7)		8)	(9)
Total·····	3,370,189	658,	740 2,9	32,129	56	,569	602	2,171	3,192	2,599	87,240	2,5	49,242	259,998
Negative net worth	7,761 185,649 581,182 952,909 720,555	11, 42, 86,	397 4 491 8	7,767 63,143 95,873 03,532 18,416	5 6 7	,237 ,489 ,082 ,037 ,596	36 79	1,020 5,934 5,315 9,454 7,013	17 ¹ 55	7,767 1,728 1,637 0,774 3,962	91 1,083 8,502 18,839 18,530	3	7,003 09,896 94,469 71,996 45,475	24; 1,150 7,010 19,740 26,39
\$150,000 under \$300,000	589,508 273,142 54,601 3,103 1,777	143, 101, 21,	,693 2	26,702 58,065 53,751 3,103 1,777	é	,362 ,419 ,893 ,263	131 91 20	9,720 1,274 1,663 0,704 5,114	269 51	1,739 1,655 1,457 1,103 1,777	19,420 14,824 4,556 615 781	2	14,491 48,688 52,444 3,027 1,753	48,11 67,87 60,82 11,80 16,84
						Турев	of asset	tsCo	ntinued					•
Company of the compan		and foreign	i	-	,	. 0	overnmen	nt bor	nds		.,	L	ife insurs	nce equity
Size of net worth			State 8	and loca	l bonds	Fed	eral sav	ings	bonds	Other Fed	eral bonds	1.		
Sales and the sales are sales and the sales are sales and the sales are sales and the sales are sales are sales and the sales are sales	Number	Amount	Numbe	er .	Amount	, Nu	mber	. Am	ount	Number	Amount	7	Number	Amount
	(10)	(11)	(12)		(13)	(14)	(1	5)	(16)	(17).		(18)	(19)
(Total . gg. Tj	558,092	6,85	0 221,	893	12,436	. , 9	48,109		9,309	338,394	14,68	9 1	,552,236	2,83
Negative net worth. \$0 under \$50,000. \$50;000 under \$70,000. \$70,000 under \$100,000. \$100,000 under \$150,000.	1,357 12,594 39,294 133,537 118,565		.8 5, 6 21,		20 162 231	. 2	1,357 33,558 88,706 51,062 18,135		(*) ¹ , 64 1,023 2,409 2,128	3,963 32,342 68,640 60,988	5 ¹ 283 769 822	3	5,646 143,932 305,121 451,619 298,327	2: 44: 43: 56: 46:
\$150,000 under \$300,000	130,659 100,687 18,603 1,447 1,349	1,50 2,06 80 6	67, 0 28, 2 2,	010	1,350 3,727 4,310 1,330 1,305		62,760 80,400 10,904 250 977		1,950 1,070 258 4 404	79,810 68,614 21,105 1,764 1,168	1,815 4,199 3,096 1,969 1,68	9	236,791 95,303 13,642 1,015 840	45 28 11 3
ert in the property of the second			Ty	pes of	assets—(ontinu	ıed				Esta	te` tax	return st	atistics
Size of net worth	Notes and	mortgages	Real	estate	Non		ate busi sets	ness	Othe	r assets	Numbe		Gross	Net
	Number	Amount	Number	Апоч	nt Ni	mber	Amor	ınt	Number	Amoun	retu	rus ,	estate.	worth
	(20)	(21)	(22)	(23)		(24)	(25)	(26)	(27)	(28)	(29)	* (30)
Total	1,008,647	22,852	2,589,565	153,0	043 5	19,358	14,	,092	2,945,21	2 75,3	99 50,	,383	10,988	10,51
Negative net worth	3,867 46,678 136,934 247,817 218,618	166 368 1,701 3,787 4,247	7,238 135,157 471,871 722,794 559,012	7,1 18,0 30,6 32,0	000 583 1	4,396 31,757 96,538 10,859 17,347	1,	93 240 425 174 730	7,76 166,78 497,53 796,19 620,12	3,7 4 7,5	27 14	22 511 702 ,978 ,678	4 44 532 1,298 1,476	1,42 1,42
\$150,000 under \$300,000	214,343 112,266 25,739 953	6,066 5,087 1,138 - 206	442,551 206,188 40,580 2,467	30,1 23,8 8,5	364 544 34	87,613 53,732 14,915 1,307	3,	174 456 365 192 241	539,91 258,21 53,77 3,10	12 17,2 78 16,5 03 4,7	48 4, 50 13 -	,672 ,831 909 54 27	2,038 2,455 1,721 - 394 1.026	1,97 2,36 1,64 36

Personal Wealth Estimated From Estate Tax Returns, 1972

by Keith Gilmour and Charles Crossed

Introduction

This report provides estimates of the personal wealth of individuals with more than \$60,000 gross assets in 1972. The estimates are based on a sample of Federal estate tax returns filed during 1973 (such returns having been required for all individuals with more than \$60,000 gross estate at date of death).

The estate data which formed the basis for this report were published in *Statistics of Income—1972*, *Estate Tax Returns*, to which this volume is a supplement. This volume is the third personal wealth report to be published; the first two being for 1962 and 1969, respectively.

The underlying assumption in making these estimates is that death draws a random sample of the living population. The technique used to derive the estimates, called the "estate multiplier", relies on the fact that for the general population the mortality rate is known for each age and sex group. Therefore, if the number that died in each age/sex group is known, and the mortality rate for each group is known, then the population is simply the inverse of the mortality rate times the number of deaths in each group.

The estate multiplier technique is discussed further in Appendix A, but some problems associated with the technique are discussed here to provide an indication of some of the limitations inherent in the wealth estimates for the "top wealthholder" population provided in this report. The term 'top wealthholder" is used throughout this report to refer to those in the living population with a gross estate of more than \$60,000 in 1972.

Perhaps the chief problem that confronts all applications of the estate multiplier technique is the lack of exact mortality rates appropriate to the top wealthholder population. This deficiency is very important, for there is much evidence to support the view that the mortality rates of those with economic well-being are more favorable than for the general population. On the basis of this evidence, which is discussed in detail in Appendix A, it is reasonable to assume that the mortality rates of top wealthholders are more favorable than the average mortality rates.

Other limitations associated with the estate multiplier technique that deserve early consideration relate to estate tax return reporting requirements and the wealth concepts for which measures are available.

Though the estate tax return is a rich source of economic information, generally prepared from records by highly skilled people and under exacting requirements of law, the

¹ The time period for these estimates would center around October 1972, since 66 percent of the estate tax returns were for individuals who died in 1972; 28 percent for 1973 decedents; and only 6 percent for individuals who died in 1971 or earlier years.

wealth reported on the return is not identical with what is ordinarily considered an individual's personal wealth. The financial value of life insurance to a living person, for example, is its cash surrender value; the estate of a deceased person includes the insurance at its full face value. In the estimates presented in this report, insurance proceeds were adjusted so both equity and face values of insurance could be included in different concepts of wealth.

Gifts and other transfers of wealth which were made by the decedent within 3 years of death are included as part of the wealth in this report. Such wealth must be reported on the estate tax return on the theory that the transfer was made in contemplation of death.

Some duplication in wealth is included in these estimates to the extent that the estate returns of both benefactors and beneficiaries were filed in 1973. This is also true with respect to jointly-held property which is included as wealth of one person.

Some types of wealth such as pensions, annuities, and trust interests, represented only by an income right of the decedent; and, certain community property interests; are excluded from the estimates.

The valuation of estate tax return assets may be understated for other reasons. The estimates are based on returns as filed before audit, and assets for which no ready market exists could be undervalued by the executor in the interest of minimizing the estate tax. In addition, the option to use an alternate valuation had the effect of reducing reported wealth. For returns used in this report, those filed in 1973, the alternate method permitted valuation 6 months after death, or on the date of disposal if within that period.

The estimates in this report should be relatively accurate with regard to showing the patterns of asset holdings among different age, sex, and marital status groups of top wealth-holders. The estimates are less precise in terms of the absolute value of these asset holdings.

Summary of Findings

There were an estimated 12.8 million individuals in the living population in 1972 with gross estate of more than \$60,000. These 12.8 million top wealthholders represented about 6.1 percent of the total population in October (the point in time about which these estimates center). Slightly more than 7.8 million of this group were men, while 5.0 million were women, representing 7.7 percent and 4.7 percent of their respective population totals.

The top wealthholders had total assets valued at \$2.2 trillion and debts of \$0.3 trillion, resulting in net worth of \$1.9 trillion. As indicated in table A, over three-fifths of the

Tuble A.—NUMBER OF TOP WEALTHHOLDERS AND ASSET COMPOSITION BY SIZE OF NET WORTH, 1972

[All figures are estimates based on estate tax return samples—number of top wealthholders are in thousands, dollar amounts are in billions]

Ţ			SI	ze of net	worth	
Item	Total	Under \$50,000	\$50,000 under \$100,000	\$100,000 under \$500,000	\$500,000 under \$1,000,000	\$1,000,000 or more
	(1)	(2)	(3)	(4)	(5)	(6)
Number of top wealthholders	12,815	2,906	5,141	4,283	305	180
Total assets	2,152	151	444	881	. 226	449
Debts	300	99	67	85	19	31
Net worth	1,852	53	377	797	508	417
Types of assets: Cash	278 629 124 645 475	11 12 1 83 44	85 65 14 190 89	143 239 44 273 183	19 98 16 44 49	19 215 49 55 109

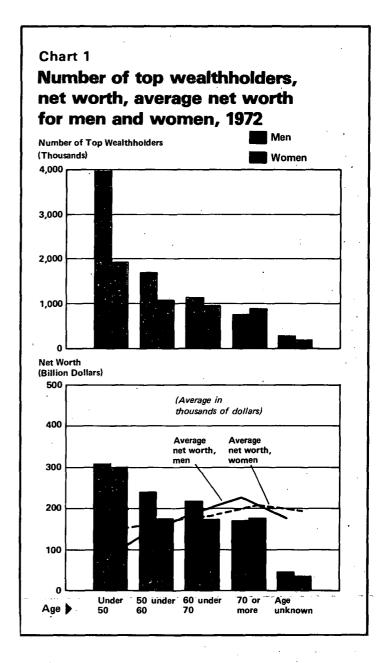
NOTE: Detail may not add to total because of rounding.

top wealthholders had a net worth of less than \$100,000. About 4 percent of the top wealthholders had a net worth of \$500,000 or more. Overall, real estate, at \$645 billion, was the largest single asset item in the top wealthholders' balance sheet. Corporate stock, the leading component in the 1962 and 1969 wealth estimates, amounted to \$629 billion in 1972. Over two-fifths of the total value of real estate was held by those with net worth of less than \$100,000, while, in contrast, almost one-half of the corporate stock was held by those with net worth of \$500,000 or more.

Chart 1 shows that the pattern of wealth among men was closely related with age. As age increased, the average net worth steadily increased, from \$78 thousand for those under age 50 to more than \$226 thousand for those age 70 or more. The pattern for women was not as closely related to age, probably due to the way much of their wealth was obtained (i.e., through inheritance).

In terms of age, women top wealthholders were generally older than men. Over half of the men and about two-fifths of the women were under age 50. In contrast, over one-quarter of the women were age 65 and over compared to about one-fifth of the men.

The vast majority of male top wealthholders were married, over 80 percent, while less than 7 percent were widowers. In comparison, 45 percent of the female top wealthholders were married and 36 percent were widows. Single individuals ac-



counted for about 8 percent and 11 percent of the male and female top wealthholders, respectively.

Top Wealthholders in Perspective

Concepts of Wealth

As indicated in the Introduction, this report provides estimates of the number and wealth of individuals with a "gross estate" of more than \$60,000 in 1972. The gross estate criterion is a Federal estate tax concept of wealth that does not conform to more usual definitions of wealth mainly because life insurance at face value is included as wealth of the decedent. Therefore, three measures of wealth are used throughout this report; gross estate, total assets, and net worth. Since net worth is the more usual concept of wealth, it is used as the major classifier.

Gross estate is the gross value of all assets including the full face value of life insurance reduced by policy loans and before the reduction by the amount of debts. This measure defines those included in the top wealthholder group.

Total assets, a lower wealth value, is still essentially a gross measure. This is obtained by using the cash value of the life

> Table B.—NUMBER OF TOP WEALTHHOLDERS BY MEASURES OF GROSS AND NET WEALTH, 1972

[All figures are estimates based on estate tax return samples numbers are in thousands]

	Numbe	r as measured	by—
Size class for particular measure	Net worth	Total assets	Gross estate
	(1)	(2)	(3)
Total	12,815	12,815	12,815
Under \$100,000	8,047	7,021	4,938
\$100,000 under \$500,000	4,283	5,217	7,233
\$500,000 under \$1,000,000	305	375	425
\$1,000,000 or more	180	203	218

NOTE: Detail may not add to total because of rounding.

insurance asset; that is, the value the insurance had immediately prior to death.

Net worth, of course, is the level after all debts have been removed, and includes the cash value of life insurance. Table B indicates the number of top wealthholders at four wealth levels, using the three definitions of wealth. Whereas an estimated 218 thousand individuals were millionaires according to the value of their gross estate, only 180 thousand were in the millionaire category in terms of net worth.

Wealth Profile

The composition of wealth is related to age, sex, marital status, and the total amount of wealth held. For a number of reasons the present report can only provide partial answers to the question of the direction and magnitude in which these influences interact. One limitation is that the asset categories are quite broad and not always very homogeneous.

Individual movements within an asset category may be obscured or confounded by other, perhaps opposite, tendencies. Even within such a relatively homogeneous category as publicly traded stock, important but unobserved changes in portfolio composition may occur. Because of the graduated income taxes, there may be a shift toward growth stocks with lower yields as wealth increases.

Types of wealth held by men and women

Although more men were in the top wealthholder group, on the average women held more wealth (\$188 thousand of total assets to \$155 thousand for men). Table C indicates the differences in the composition of asset holdings of men

Table C.—COMPOSITION OF WEALTH FOR MALE AND FEMALE TOP WEALTHHOLDERS, 1972
[All figures are estimates based on estate tax return samples—numbers are in thousands, dollars amounts are in billions]

		Male top we	althholders			Female top wes	althholders	
Item	Number	Percent of total males	Amount	Percent of total assets	Number	Percent of total females	Amount	Percent of total assets
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total assets	7,810	100.0	1,209	100.0	5,006	100.0	943	100.0
Debts	6,724	86.1	219	18.1	4,159	83.1	81	8.6
Net worth	7,810	100.0	990	81.9	5,006	100.0	862	91.4
Types of assets: Cash. Corporate stock. Bonds, total.	7,423 5,177 2,798	95.0 66.3 35.8	142 334 59	11.7 27.6 4.9	4,730 3,410 2,038	94.5 68.1 40.7	137 296 65	14.5 31.4 6.9
Corporate and foreign	967	12.4	15	1.2	872	17.4	13	1.4
Government, total. Federal savings. Other Federal. State and local.	2,247 1,896 297 243	28.8 24.3 3.8 3.1	44 12 14 19	3.7 1.0 1.1 1.6	1,570 1,175 359 246	31.4 23.5 7.2 4.9	52 11 25 17	5.5 1.2 2.7 1.8
Life insurance equity. Notes and mortgages Real estate. Noncorporate business. Other assets.	6,815 1,831 6,693 2,106 7,216	87.3 23.4 85.7 27.0 92.4	37 50 393 75 119	3.1 4.2 32.5 6.2 9.8	2,532 1,258 3,988 556 4,386	50.6 25.1 79.7 11.1 87.6	5 36 252 18 135	0.5 3.8 26.7 1.9 14.3

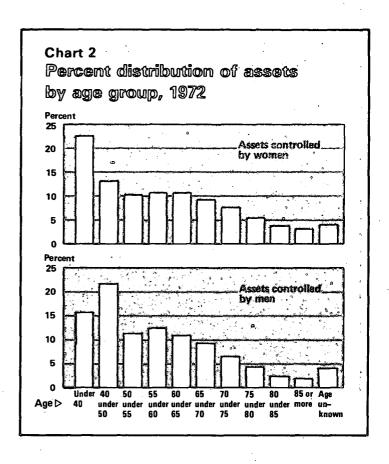
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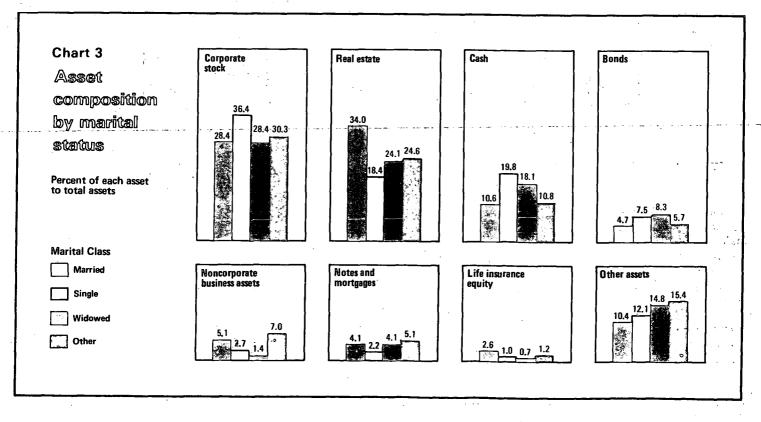
and women. Proportionally, more men than women owned real estate, notes and mortgages, and noncorporate business assets. In contrast, more women owned corporate stock and bonds. As a percent of total assets, the debts of men were twice those of women, 18 percent compared to 9 percent. The reason for the large difference in debts relates to the fact that proportionally more men owned the assets which are typically mortgaged or debt-financed, such as real estate and business assets.

Age and marital status

Chart 2 shows the distribution of assets for men and women in various age brackets. About 36 percent of the assets controlled by women, and 37 percent of the assets controlled by men, represented individuals under age 50. Men in age groups 50 under 65 had almost 35 percent of the total male-held assets, compared to a figure of 32 percent for women.

Chart 3 presents a comparison of the asset composition of top wealthholders within marital status classifications. Married top wealthholders held proportionately more real estate and life insurance; single wealthholders had relatively more corporate stock and cash; widows and widowers had relatively more bonds; and "other" marital groups (divorced and separated) had relatively more business assets and notes and mortgages.





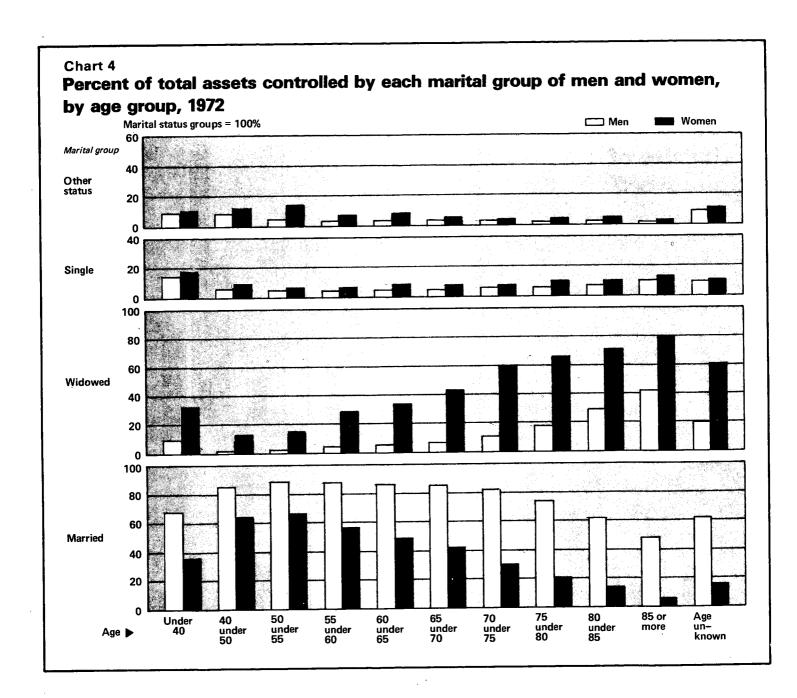


Chart 4 shows the pattern of wealth concentration for age/sex groups within marital status classifications. Married males controlled the vast majority of wealth in every age group for men; while for women, the married controlled the bulk of the wealth in age groups under 65, and, as expected, the widowed controlled the wealth for age groups 65 and over.

Size of wealth

Chart 5 shows the variation in the composition of assets related to the size of net worth. For both male and female

top wealthholders, the relative importance of real estate declined sharply as wealth increased. This was also true of life insurance, especially for men. Asset types which increased significantly as net worth rose were corporate stock and certain types of bonds.

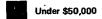
In general, the asset composition of top wealthholders is predominantly related to size of wealth, particularly in the holding of corporate stock, real estate, and insurance. Age, sex, and marital status seem to play less important roles in the choice of holdings of various types of assets.

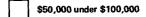
Chart 5.

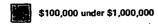
Asset composition by size of net worth

Percent of each asset to total assets by sex

Size of Net Worth

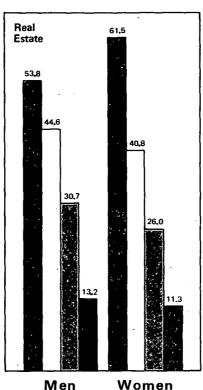


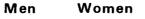


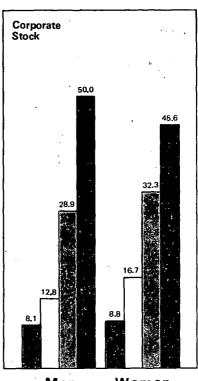




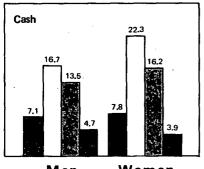
* Less than 0.05 percent



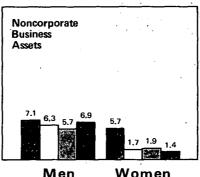




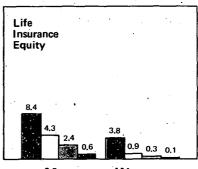
Men Women



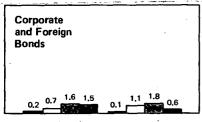
Men Women



Men Women

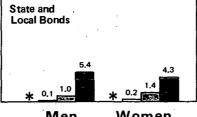


Women

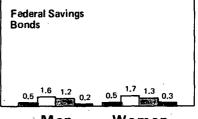


Men

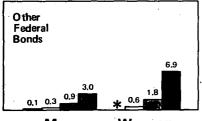
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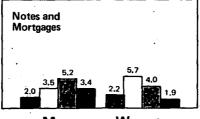
Men Women

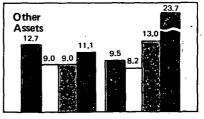


Men Women



Men





Women Men

Table 1 .- ALL TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

Total. Hegative net worth. \$0 under \$50,000. \$20,000 under \$50,000. \$50,000 under \$60,000. \$60,000 under \$70,000. \$70,000 under \$100,000. \$70,000 under \$100,000. \$100,000 under \$150,000. \$100,000 under \$50,000. \$100,000 under \$50,000. \$50,000 under \$5,000. \$50,000 under \$5,000,000. \$50,000 under \$5,000,000. \$50,000 under \$5,000,000.			Size of net worth		\$5,000,000 or more	\$0,000 under \$1,000. \$1,000 under \$1,000. \$1,50,000 under \$1,50,000. \$1,50,000 under \$2,50,000. \$2,50,000 under \$2,000. \$1,000 under \$1,000,000.	Total. Negative net worth. \$0 under \$00,000. \$20,000 under \$50,000. \$50,000 under \$60,000. \$60,000 under \$60,000.				Size of net worth			\$500,000 under \$1,000,000. \$1,000,000 under \$5,000,000. \$5,000,000 or more.	\$80,000 under \$100,000. \$100,000 under \$150,000. \$150,000 under \$250,000. \$250,000 under \$250,000.	\$70,000 under \$70,000.	Negative net worth. \$0 under \$50,000 \$20,000 under \$50,000 \$50,000 under \$60,000	Total				Size of net worth			\$500,000 under \$1,000,000. \$1,000,000 under \$5,000,000. \$5,000,000 or more.	\$70,000 mater \$50,000 \$80,000 mater \$100,000 \$100,000 mater \$1.20,000 \$150,000 mater \$2.50,000 \$250,000 mater \$500,000	\$50,000 under \$60,000. \$60,000 under \$70,000.	Total Negative net worth \$0 under \$20,000 \$20,000 under \$50,000			Size of net worth	[All figures are estimates based on estate
10,681.1 81.3 681.7 1,691.8 779.2 1,196.3 1,196.3 1,196.3 1,196.3 1,196.1 695.4 265.4 265.0 9.6	(96)	Number	Real e		4.7	38 555 88.55 86 86 86 86 86 86 86 86 86 86 86 86 86	656.1 (*) 0.1 26.3 15.1 43.9	(18)	Number	Ä				190.6 121.1 9.6	613.6 663.1 481.6	376.8	11.5 178.7 546.1 293.7	4,836.0	(10)	Number	ı	To			304.8 168.7 11.3	1,668.5 2,071.3 1,364.4 847.5	1,479.6	12,815.2 116.3 913.3 1.876.8	ε		top wealth-	tar return samples-
645,341 6,094 17,082 17,982 41,882 41,882 41,882 41,882 41,883 41,883 80,585 80	(39)	Amount	estate		6,439	1,317 1,317 3,072 5,105 4,995	38,343 1 50 65 53 255	(19)	Amount	Federal	Government-	Bonds		15,957 36,173 13,198	3,136 16,635 10,635 10,635	3,234	45 205 1,178	124,206	(11)	Amount	- 1	Total			226,332 329,492 119,427	168,690 279,939 285,351 316,048	113,468	2,151,946 12,936 29,946 108,502	(2)		Total -	
2,657.5 49.4 99.1 340.9 1149.3 252.7 332.9 476.6 338.0 254.7 90.7 90.7 90.5	(BC)	Number	Noncorporate assets	Types of assetsContinued			488.8 0.3 1.8 15.1 5.8	(20)	Number	State	tContinued	BondsContinued					7.23 2.24 2.24 2.24	1	(12)	Number		Corporate			287.9 164.2 11.2	1,291.0 1,732.1 1,174.2 1,174.2	1,150.7	1.703.4	(3)	Number		numbers of top wealthbolders are in thousands; all money amounts are Debts and mortgages
22,607 1,854 1,217 2,210 7,217 2,291 4,666 6,679 11,465 11	(96)	Amount	e business	3Continued				(21)	Amount	E.			Types of						(13)	Amount		te and foreign	2000 02	Tunes of	8,660 8,628	19,398 29,851 26,932 28,028	17,611	300,064 19,429 41,034	(4)	Amount		lders are in t
11,601.5 100.8 851.9 1,780.5 7,780.5 1,262.6 1,262.6 1,268.6 1	(05)	Number	Other			1,590 4,017 6,553		(22)	ļ	Number		<u> </u>	of assetsCont	,236 ,599 ,146	EE83	\$ £	22 22 22 22 22 22 22 22 22 22 22 22 22		(14)	S-1		- 1	Bonds		207,672 306,640 110,799	250,088 250,088 258,419 288,020	% & 672 672 672	1,851,884 -25,160 10,517 67,468	(5)		Net worth	housands; all
(31) 253,647 1,006 1,008 10,497 10,49	(11)	Amount	assets		5.8	1,353.6 1,353.6 8.48.3 498.6	9,346.4 112.0 902.2 1,781.4 775.8 934.2	S		Der .		Life insurance e	Continued	157.4 105.8 8.9	489.8 477.3 354.6	308.5	7.1 164.4 483.7 249.9	3,816.5	()	-	Total		and a	- li	297.5 167.9 11.2	1,599.9 2,006.3 1,318.0 834.2	1,370.7	12,153.7 93.0 831.6 1.732.2	(6)	Number	Ω	money amount.
174,891 1,356 1,356 6,446 6,135 19,370 17,810 40,139 28,179 17,022 6,391 3,341 277	(35)	returns	Number of	Estate	235	- 1, 2, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,	41,939 763 3,415 7,410 2,912 3,095	(23)		Amount		equity		12,721 32,575 12,051	12,52 6,859 6,859 4,664	2,443	25827 2527 2527 2527 2527 2527 2527 2527	96,526	(15)	Amount		Government			19,417 15,591 3,827	52,437 52,885 47,944 42,483	8,415 21,621	278,390 471 1,637 8.823	(7)	Amount	Cash	II
38,862 96 156 621 516 1,468 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782 5,782	(44)	estate	Gross	tax return statistics	7.5	239.3 568.3 497.5 376.3	3,089.1 22.4 98.3 202.0 160.7 301.2	(24)		Number		Notes and m		68.4 31.5 1.5	535.0 349.6 202.0	276.5	7.0 164.3 455.6 233.2	3,070.7	(16)		Federal	#				1,100.0 1,544.0 1,081.6 730.6			T	Number	Corporate	In millions of dollars]
35,120 -100 10 13,343 1,250 1,233 2,250 4,873 4,380 1,250 4,350 6,668 3,057	(36)		Net worth	tistics	2,774	2006 2006 1517 1517 1517 1517 1517 1517 1517 151	86,416 607 438 1,983 2,258 6,353	(25)		Amount		mortgages		1,173 882 90	3,207 4,775 4,319 3,401	1,672	889 128 128 138 138 138 138 138 138 138 138 138 13	22,703	(17)	Amount	savings			ŀ		26,562 59,318 71,227 108,218			T		rate stock	8)

Table 2. -ALL MEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

	Number of		Debts and m	ortgages				Types	of assets	
Size of net worth	top wealth-	Total		·	Net wo	orth	Ca	ash	Corpo	rate stock
	holders		Number	Amount			Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5))	(6)	(7)	(8)	(9)
Total	7,809.6	1,208,971	6,724.1	218,846	99	0,126	7,423.4	141,70	5,177.0	
Negative net worth	115.2	12,477	115.2	36,852	-2	4,374	91.9	41	1 -	
\$0 under \$20,000\$20,000 under \$50,000	838.2 1,543.4	27,939 86,955	750.8	18,353 32,519	54	9,586 4,436	761.4 1,434.5	1,47 7,15		1,736
\$50,000 under \$60,000	599.7 691.8	43,243	510.4	10,295	3:	2,948	581.9	5,46	395.1	4,76
\$60,000 under \$70,000\$70,000 under \$80,000	620.7	55,564 55,695	564.9 496.0	10,594 9,360		4,971 6,334	664.7 599.1	9,29 9,85	1	1 '
\$80,000 under \$100,000	834.1 1,134.5	86,666	653.1 958.7	12,064	. 7	4,602	795.6	15,55	577.8	12,26
\$100,000 under \$150,000 \$150,000 under \$250,000	728.0	156,930 156,229	635.5	20,053 17,455	138	6,877 8,774	1,085.8 714.0	26,44 23,73	595.8	36,48
\$250,000 under \$500,000 \$500,000 under \$1,000,000	464.4 150.4	178,929 112,598	430.7 144.1	20,342		8,587 1,273	457.4 148.5	21,59 9,70		
\$1,000,000 under \$5,000,000	82.5	159,359	81.1	14,294	145	5,065	82.0	8,22	78.3	77,23
\$5,000,000 or more	6.7	76,387	· 6.6	5,340	1 7.	1,047	6.6	2,80	6.6	40,56
·				Types	of assets	Cont	inued			
			· · · · · · · · · · · · · · · · · · ·		Bond	ls				
Size of net worth	To	tal	Corpora	te and forei	gn			Governme	nt	
	Number	Amount	Number	Amou	nt.		Total		Federal a	savings
	ишьег	Amount	, sunder	Amou	,	Num	ber	Amount	Number	Amount
	(10)	(11)	(12)	(13) .	(1	4)	(15)	(16)	(17)
Total	2,798.1	59,399	966.	9 1	4,939		,246.8	44,460	1,895.9	12,08
Negative net worth	10.8	35	1 . 4.	.5	30		6.4	5	6.3	12,08
\$0 under \$20,000	162.6 479.1	199 792	25 . 70 .		. 34 186		148.3 426.5	165 606	148.2 399.8	11 50
\$50,000 under \$60,000	207.7	701	63.	.8	196		175.2	505	160.6	44
\$60,000 under \$70,000 \$70,000 under \$80,000	220.4 218.6	1,292	53,	l l	318 361		183.7	974 1,445	168.3	84 92
\$80,000 under \$100,000	306.6 450.2	2,891	179	.2	839 1,741		248.1	2,052	230.1	1,73
\$100,000 under \$150,000\$150,000 under \$250,000	330.0	5,219 6,655	169.	.7	2,459		334.6 229.3	3,478 4,196	279.1 178.7	2,46 2,33
\$250,000 under \$500,000	255.8 94.2	9,099 7,010	152, 56,		3,461 1,773		190.5	5,638	113.2	1,72
\$500,000 under \$1,000,000. \$1;000,000 under \$5,000,000. \$5,000,000 or more.	56.5 5.6	16,603 7,097	34,	.6	2,626 915		73.3 45.6 5.2	5,236 13,978 6,182	37.6 14.5 0.7	621 325 45
\$2,000,000 or indeed		1,057	1 -:	<u> </u>				0,102		
				Types	of assets	COIIt	Inuea			
Size of net worth			Continued			Li	fe insurance e	quity	Notes and m	ortgages
Size of het worth			tContinued						· · ·	
		Federal		e and local		Num	ber	Amount	Number	Amount
	Number	Amount	Number	Amou				(02)	(01)	(05)
	(18)	(19)	(20)	(21	'	(2	2)	(23)	(24)	(25)
Total	297.0	13,505	243	1	8,874	6	,814.7	37,393	1,830.6	50,37
Negative net worth\$0 under \$20,000	(*) 0.1.	50.	0.		1		111.0 831.0	742	21.7	56: - 43:
\$20,000 under \$50,000\$50,000 under \$60,000	25.9 14.9	65 50	14.		34 16	1	,517.7 570.5	6,763 2,615	159.9 107.4	1,50 1,13
\$60,000 under \$70,000	15.4	94	5.	1	34		557.6	2,517	128.1	1,79
\$70,000 under \$80,000\$80,000 under \$100,000	20.8 16.8	441 223	10. 12.		78. 98		474.6 689.3	2,017 3,334	129.1 202.4	2,28
\$100,000 under \$150,000\$150,000 under \$250,000	48.0 46.9	558 1,147	35. 32.		454 712		919.0 587.4	5,073 4,384	349.0 286.5	7,62 8,49
\$250,000 under \$500,000	60.6	2,042	54.	.8	1,875		366.7	3,474	220.5	9,420
· '	25.1	1,807	36.	9	2,808		119.7 65.2	1,769	77.3 46.5	5,752 6,144
\$500,000 under \$1,000,000	20.3	4,703	31.	.5	8,950					- '
\$500,000 under \$1,000,000		4,703 2,324	31. 4.			·	5.0	203	4.5	
\$1,000,000 under \$5,000,000	20.3	2,324		.3.	8,950			203		
\$1,000,000 under \$5,000,000	20.3	2,324	Types of asset Noncorporat	s-Continued	8,950	Other :	5.0	203 Estate	tax return sta	
\$1,000,000 under \$5,000,000	20,3	2,324	Noncorporat	s-Continued te business	8,950		5.0	203	tax return sta	
\$1,000,000 under \$5,000,000	20.3 2.2 Real e	2,324	Types of asset Noncorporat asse	s-Continued se business ts Amount	8,950 3,813 Numb	er	assets Amount	Estate Number of	tax return sta Gross estate	tistics
\$1,000,000 under \$5,000,000 \$5,000,000 or more Size of net worth	20.3 2.2 Real e	2,324 sstate Amount (27)	Noncorporat asse Number (28)	s-Continued e business ts Amount (29)	8,950 3,813 Numb	er	ssets Amount (31)	Estate Number of returns (32)	tax return sta Gross estate (33)	Net worth
\$1,000,000 under \$5,000,000	20.3 2.2 Real e	2,324 state Amount (27) 393,104	Noncorporat asse Number (28) 2,101.6	3. s=-Continued to business ts Amount (29) 74,742	8,950 3,813 Numb	er) 215.9	Amount (31) 118,623	Number of returns (32) 108,985	4.5 tax return sta Gross estate (33) 24,761	Net worth (34) 21,64
51,000,000 under \$5,000,000 \$5,000,000 or more Size of net worth Total Regative net worth 80 under \$20,000	Real e Number (26) 6,693.1 80.6 622.1	2,324 sstate Amount (27) 393,104 6,048 15,910	Noncorporat asset Noncorporat asse Number (28) 2,101.6 48.8 97.8	s-Continued to business ts Amount (29) 74,742 1,828 1,285	Numb (30	215.9 99.7	Amount (31) 118,623 998 3,721	203 Estate Number of returns (32) 108,985 343 1,296	4.5 tax return sta Gross estate (33) 24,761 90 149	Net worth (34) 21,64 -9:
\$1,000,000 under \$5,000,000. \$5,000,000 or more. Size of net worth Total. Negative net worth. \$0 under \$20,000. \$20,000 under \$50,000.	Real e Number (26) 6,693.1 80.6 622.1 1,381.8 541.3	2,324 Amount (27) 393,104 6,048 15,910 46,554 21,853	Value 12	sContinued se business ts Amount (29) 74,742 1,828 1,285 5,928 2,4453	Numb (30 7,2 1,4	99.7 789.2 74.7 552.2	Amount (31) 118,623 3,721 11,498 4,260	203 Estate Number of returns (32) 108,983 1,296 5,725 4,700	4.5 tax return sta Gross estate (33) 24,761 90 149 565 413	Net worth (34) 21,64 -9:11 21,62
\$1,000,000 under \$5,000,000. \$5,000,000 or more. Size of net worth Total Negative net worth. \$0 under \$20,000. \$20,000 under \$50,000. \$20,000 under \$50,000. \$50,000 under \$60,000.	Real e Number (26) 6,693.1 80.6 622.1 1,381.8 541.3 589.4	2,324 Amount (27) 393,104 6,048 15,910 46,554 21,833 25,353	Noncorporat asse Number (28) 2,101.6 48.8 97.8 303.2 128.8 188.2	sContinued te business ts Amount (29) 74,742 1,828 1,285 5,928 2,453 3,342	Numb (30 7,2	99.7 789.2 74.7 552.2 518.6	5.0 Amount (31) 118,623 998 3,721 11,498 4,260 5,179	203 Estate Number of returns (32) 108,983 343 1,296 5,725 4,700 10,921	4.5 tax return sta Gross estate (33) 24,761 90 149 565 413 875	(34) (34) (21,64) -9: 16 216 26: 71:
\$1,000,000 under \$5,000,000. \$5,000,000 or more. Size of net worth Total. Negative net worth. \$0 under \$20,000. \$20,000 under \$50,000. \$50,000 under \$70,000. \$70,000 under \$80,000. \$80,000 under \$80,000.	Real e Number (26) 6,693.1 80.6 622.1 1,381.8 541.3 589.4 513.7 736.3	2,324 Amount (27) 393,104 6,048 15,910 46,554 21,853 25,353 24,129 36,242	Mumber (28) 2,101.6 48.8 97.8 303.2 128.8 188.2 181.9 254.6	sContinued se business ts Amount (29) 74,742 1,828 1,285 5,928 2,453 3,342 3,663 5,813	Numb (30 7,2	99.7 789.2 74.7 752.2 618.6 648.3	Amount (31) 118,623 998 3,721 11,498 4,260 5,179 4,925 7,319	203 Estate Number of returns (32) 108,983 1,296 5,725 4,700 10,921 10,456 16,547	4.5 tax return sta Gross estate (33) 24,761 90 149 565 413 875 916 1.716	Net worth (34) 21,64: -9: 10: 26: 71: 78: 1,48:
\$1,000,000 under \$5,000,000. \$5,000,000 or more. Size of net worth Total. Negative net worth. \$0 under \$20,000. \$20,000 under \$50,000. \$50,000 under \$60,000. \$50,000 under \$0,000. \$80,000 under \$100,000. \$80,000 under \$100,000.	Real e Number (26) 6,693.1 80.6 622.1 1,381.8 541.3 589.4 513.7 736.3 983.3 641.5	2,324 Amount (27) 393,104 6,048 15,910 46,554 21,853 25,353 24,129 36,242 57,591 54,016	Number (28) 2,101.6 48.8 97.8 303.2 128.8 188.2 181.9	3. sContinued to business tts Amount (29) 74,742 1,828 1,285 5,928 2,453 3,342 3,663 5,813 10,484 8,675	Numb (30 7,2 1,4 5 6 7,0 1,0	99.7 789.2 774.7 552.2 518.6 1754.2 128.4 76.3	5.0 Amount (31) 118,623 998 3,721 11,498 4,260 5,179 4,925 7,319 13,832	203 Estate Number of returns (32) 108,985 3.42 1,296 5,725 4,700 10,921 10,456 16,547 25,016 17,335	4.5 tax return sta Gross estate (33) 24,761 90 149 565 413 875 916 1,716 3,426 3,426 3,667	(34) (34) 21,642 -93 16 26 711 782 1,483 3,034
\$1,000,000 under \$5,000,000. \$5,000,000 or more. Size of net worth Total. Negative net worth. \$20,000 under \$20,000. \$20,000 under \$50,000. \$50,000 under \$50,000. \$50,000 under \$70,000. \$70,000 under \$70,000. \$70,000 under \$70,000.	Real e Number (26) 6,693.1 80.6 622.1 1,381.8 541.3 589.4 513.7 736.3 983.3	2,324 Amount (27) 393,104 6,048 15,910 46,554 21,853 25,353 24,129 36,242 57,991	Number (28) 2,101.6 48.8 97.8 303.2 128.8 188.2 181.9 224.6 379.5	3. sContinued to business ts Amount (29) 74,742 1,828 1,285 5,928 2,453 3,342 3,663 5,813 10,484	Numb 3,813 Numb (30 7,2 1,4 5 7 1,0	99.7 789.2 74.7 752.2 618.6 648.3 754.2 928.4	Amount (31) 118,623 998 3,721 11,498 4,260 5,179 4,925 7,319	203 Estate Number of returns (32) 108,985 3,43 1,296 5,722 4,700 10,921 10,456 17,333 10,393	4.5 tax return sta Gross estate (33) 24,761 90 149 565 413 875 916 1,716 3,426 3,667 3,904	Net worth (34) 21,64: -9: 10: 26: 71: 78: 1,48:

Table 3.-ALL WOMEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH

					1		I money amount	co are in m	llions of dollar	s]	
Size of net worth	Number of top wealth-	Total	Debts and	mortgages	-			Туре	s of assets		
orse of het worth	holders	assets	Number	Amount	Net	worth		Cash	Corpo	rate stock	
							Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	((5)	(6)	(7)	(8)	(9)	
Total	5,005.7	942,973	4,159.4	81,217	· [861,761	4,730.3	136,	688 3,409.	6 295,76	
Negative net worth\$0 under \$20,000	(¹) 75.1	(1) 2,006	(¹) 62.8	(¹) 1,075		(¹) 931	70.1	(1)	(¹) 159 31.	0 (1)	
\$20,000 under \$50,000 \$50,000 under \$60,000	333.5 281.5	21,547	326.4	8,515		13,032	297.7	1,	669 230.	6 1,85	
\$60,000 under \$70,000	787.8	20,039 57,904	267.6 585.8	4,316 6,504		15,723 51,400	257.2 706.0		956 157. 331 430.		
\$70,000 under \$80,000 \$80,000 under \$100,000	490.8 834.4	42,838 82,024	377.4 637.9	6,085		36,753	453.0		985 301.	7 6,82	
\$100,000 under \$150,000	936.8	123,009	773.4	7,3 3 4 9,798		74,691 113,211	804.3 920.6	26,	884 522. 443 702.		
\$150,000 under \$250,000\$250,000 under \$500,000	636.4 383.1	129,122 137,119	538.7 356.9	9,477 7,687		119,646 129,433	604.0 376.8		214 485.0 889 326.0	34,74	
\$500,000 under \$1,000,000	154.4	113,734	143.8	7,335		106,399	149.0	9,	715 140.	3 49,32	
\$1,000,000 under \$5,000,000 \$5,000,000 or more	86.2 4.6	170,132 43,037	83.1 4.5	8,558 3,288		161,575 39,752	85.9 4.6		368 76. 022 4.		
				Types	of asse	ts-Cont	inued			1	
				* *	Во	nds					
Size of net worth	To	tal	Corpor	ate and forei	gn			Govern	ment		
	Number	Amount	Number	Amou	nt		Total		Federal s	savings	
			190mpr.	Amou		Nun	ber	Amount	Number	Amount	
	(10)	(11)	(12)	(13)	(1	4)	(15)	(16)	(17)	
Total	2,038.1	64,808	871	.6	12,742		1,570.0	52,067	1,174.6	10,617	
Negative net worth\$0 under \$20,000	(¹) 16.1	(1)	(1)	(1)		(1)	(¹)	(1)	(¹)	
\$20,000 under \$50,000 \$50,000 under \$60,000	67.0	138			35		16.1 57.2	6 103	16.1 55.8	97	
\$60,000 under \$70,000	86.0 244.4	477 1,683			228 628		74.7 182.5	249 1,055	72.6 153.0	243 825	
\$70,000 under \$80,000	158.3	1,427	47		429		128.4	998	117.6	839	
\$100,000 under \$150,000	307.0 434.7	3,580 5,416	192	.0	938 2,034	i	241.8 308.3	2,642 3,382	194.6 255.9	1,476 2,309	
\$150,000 under \$250,000 \$250,000 under \$500,000	333.1 225.8	7,414			2,630 3,153	•	248.1 164.1	4,785 6,885	170.9 88.8	1,982 1,679	
\$500,000 under \$1,000,000	96.3	8,947	55	.3	1,462		84.0	7,485	30.8	551	
\$5,000,000 or more	64.6 4.0	19,570 6,101		.0	973 232		60.2 3.8	18,597 5,869	17.0 0.8	557 45	
		-		Types	of asset	tsCont	inued				
Size of net worth			Continued			Li	fe insurance	equity	Notes and m	ortgages	
Size of het worth		Governmen	tContinued								
		Federal	Sta	te and local		Num	ber	Amount	Number	Amount	
	Number (18)	Amount	Number	Amour		/-	-	()	(2.1)		
Total		(19)	(20)	(21)	<u>'</u>	(2	2)	(23)	(24)	(25)	
Total Negative net worth	359.4 (¹)	24,842 (¹)	(¹)	.5 1	.6,608		2,531.7	4,545	1,258.3	36,044	
\$0 under \$20,000	-	' -		-	' -		71.2	(¹) 240	0.6	(¹) 2	
\$20,000 under \$50,000	0.4 0.2	3		.0	5 2		263.7	647 297	42.1 53.2	478 1,121	
\$60,000 under \$70,000 \$70,000 under \$80,000	28.5	162	6.	1	69		376.6	578	173.1	4,555	
\$80,000 under \$100,000. \$100,000 under \$150,000.	13.7 45.6	132 908	16.		27 258		267.6 455.2	366 513	110.7 192.8	1,628 4,250	
\$150,000 under \$250,000	46.9 75.1	759 1,925	26. 46.		313 878		434.6 260.9	688 461	219.1 211.0	4,504 6,033	
\$250,000 under \$500,000 \$500,000 under \$1,000,000	70.0	3,063	53.	.6	2,142		131.9	364	155.8	5,731	
\$1,000,000 under \$5,000,000. \$5,000,000 or more.	41.5 35.0	3,189 10,585	47. 40.	.2	3,745 7,456		47.3 15.7	200 148	61.4 34.8	3,726 3,156	
	2.5	4,115			1,710		0.7	22	3.0	815	
Size of net worth			Noncompose	te business				Estat	e tax return sta	tistics	
	Real e	state	asse			Other	assets	Number o		Net worth	
	Number	Amount	Number	Amount	Num	nber	Amount	resuma	es ca ce		
<u> </u>	(26)	(27)	(28)	(29)	(3	30)	(31)	(32)	(33)	(34)	
Total Negative net worth	3,988.0	252,238	555.6	17,864		,385.6	135,020	65,9	05 14,100	13,479	
\$0 under \$20,000	(¹) 59.6	(¹) 1,152	(1)	(¹) 63	(62.8	(¹) 341		21 6 62 7	-7 i	
\$20,000 under \$50,000	310.0 237.9	13,561 10,129	37.7 20.4	1,289 448		305,8 230.9	1,911 1,872		14 56	29	
\$60,000 under \$70,000	606.9	22,029	64.1	1,319		644.2	5,317			5491	
\$70,000 under \$80,000\$80,000 under \$100,000	379.8 688.0	17,695 32,893	56.8 78.3	1,003 979		399.3 718.5	2,908 6,625	7,3 11,4		551	
\$100,000 under \$150,000\$150,000 under \$250,000	761.6 463.6	44,382 36,549	97.1 86.0	2,126		820.2	10,793	15,1	77 1,917	1,841	
\$250,000 under \$500,000	297.5	30,094	67.8	2,770 2,467		592.1 372.4	16,935 17,823	10,8 6,6		2,049 2,252	
\$500,000 under \$1,000,000	114.8 64.3	19,574 21,291	29.6	2,393		151.1	19,852	2,4		1,648	
\$1,000,000 under \$5,000,000	04.01		14.2	2,577		82.6	37,638	1,2	20 2,373	2,261	

Trends in Personal Wealth, 1976-1981

by Marvin Schwartz

Preliminary estimates of the personal wealth of individuals in 1981 show that there were approximately 4.5 million people with gross assets of \$300,000 or more. These "wealthy individuals", who comprised only 2.0 percent of the nation's population, had net worth (total assets less liabilities) of nearly \$2.4 trillion. In contrast, during 1976, fewer than 2 million people had a similar level of gross assets. The net worth of these 1976 top wealthholders was in excess of \$1.0 trillion, which was nearly 23 percent of the net worth of all individuals in the country [1].

Wealthholders with Gross Assets of \$300,000 or More

<u>Year</u>	Wealthholders (thousands)	Total Assets (billions)	Net Worth (billions)
1976	1,938	1,238	1,043
1981	4,522	2,804	2,389

The number of top wealthholders with net worth of \$1 million or more showed a substantial increase from 1976 to 1981, in contrast to the lack of growth in the number of millionaires between 1972 and 1976. While there were approximately 180,000 individuals with net worth of \$1,000,000 or more in both 1972 and 1976, estimates show between 350,000 and 500,000 individuals with this same level of net worth in 1981. The leveling off of the number of millionaires between 1972 and 1976 is likely a result of the decline in the value of corporate stock over that period [2]. As shown below, corporate stock declined both in value and as a relative share of the total assets of individuals with net worth \$1,000,000 or more between 1972 and 1976.

Corporate Stock Held by Top Wealthholders With Net Worth \$1,000,000 or More, 1972 and 1976

	Corporate Stock (billions)	Total Assets (billions)	Corporate Stock As Percentage of Total Assets
1972	215.1	448.9	47.9
1976	181.5	432.1	42.0

The sharp increase in the number of millionaires between 1976 and 1981 may in part be attributed to inflation. Using the Personal Consumption Expenditures Implicit Price Deflator [3], \$1,000,000 in 1981 had the equivalent value of \$677,121 in 1976. Additionally, the rapid increase in the value of real estate may also, in part, be responsible for the growth in the number of millionaires.

ESTIMATING PERSONAL WEALTH FROM ESTATE TAX RETURNS

While there is great interest in measuring the personal wealth of individuals in the United States, the opportunities for such are limited since this

information is not required to be reported regularly on any tax return or other public document. Though the ideal alternative for measuring wealth would be a comprehensive survey of a representative sample of the population, the reluctance of individuals to willingly reveal personal financial information diminishes the reliability of the estimates that could be generated. The "estate multiplier technique" [4] (see "Data Sources and Limitations" for a discussion of this technique), however, enables one to utilize administrative records, e.g., estate tax returns, for the purpose of estimating the personal wealth of that segment of the population which holds a substantial portion of the total wealth of all individuals. estimates of the wealth for 1976 and 1981 of these individuals are derived from the application of this estimating technique to data extracted from samples of Federal estate tax returns filed during 1977 and 1982, respectively. The estimates of wealth included herein, therefore, are limited to those living individuals for whom an estate tax return would have been required had they died during a one year period extending from early 1976 to early 1977 or from early 1981 to early 1982. These individuals are hereafter referred to as "top wealthholders".

As the level of gross estate or gross assets required for the filing of an estate tax return has increased, the concept of top wealthholders has likewise changed. The levels of wealth to which the estimates are limited have risen from the \$60,000 which defined top wealthholders in 1972, to \$120,000 for returns filed in 1977, and subsequently to the \$300,000 level for returns filed in 1982. Additionally, as a result of a change in the reporting requirements for estates of decedents who died in 1982, asset detail for 1981 is presented only for those individuals with gross assets in excess of \$500,000.

The wealth included on the returns selected during each of the sample years is centered around mid-year of 1976 and 1981 and therefore reflects the wealth of the living population at that point in time. (A further discussion of the estimating technique is included under "Data Sources and Limitations".)

The gross estate criterion is a Federal estate tax concept of wealth that does not conform to the usual definitions of wealth primarily because the face value of life insurance is included in the wealth of the decedent. Therefore, three measures of wealth have been used in this article: gross estate (or gross assets), total assets, and net worth.

Gross estate or gross assets reflects the gross value of all assets, including the full face value of life insurance reduced by policy loans, but before any reduction for indebtedness. This measure defines those included in the top wealthholder group. Total assets, a lower wealth value, is still essentially a

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^{*}Foreign Special Projects Section. Prepared under the direction of Michael Coleman, Chief.

gross measure. This is obtained by using the cash value of the life insurance asset; that is, the value the insurance had immediately prior to death. Net worth is the level of wealth after all debts have been removed and includes the cash value of life insurance.

PERSONAL WEALTH IN 1976

If the typical top wealthholder was encountered in 1976, we would have found a married male under 50 years of age whose net worth was less than \$250,000. A significant share of his assets would have been in real estate, likely the family home. The typical female top wealthholder would also have been married, but would likely have been older and wealthier. Likewise, the primary asset in her portfolio, would have been real estate. However, it would not have constituted as significant a share of her assets as for her male counterpart.

Male wealthholders represented approximately 66.5 percent, or 5.8 million of the 8.7 million top wealthholders (defined as individuals with gross assets greater than \$120,000) in 1976. The average net worth of these men was \$192,000. Though far fewer in number, the 2.9 million female top wealthholders were generally wealthier with average net worth of \$261,000.

Over 83 percent of the male top wealthholders were married, while less than 5 percent were widowed. This compares with 47 percent of the females who were married and 33 percent who were widowed. These percentages are probably reflective of the age composition of the top wealthholders with nearly 33 percent of the female top wealthholders and only 17 percent of the male top wealthholders 65 years of age or older.

As shown in Figure A, real estate valued at \$771 billion was the largest single asset item held by the top wealthholders. However, corporate stock valued for all wealthholders at \$531 billion, still comprised the greatest share of the assets of those wealthholders with net worth of \$500,000 or more. These rankings reflect the relative importance of real property to that of stock in the asset portfolio of many individuals. In addition, they also reflect the effect of inflated housing values which were enough to cause many individuals to be classified as top wealthholders in 1976.

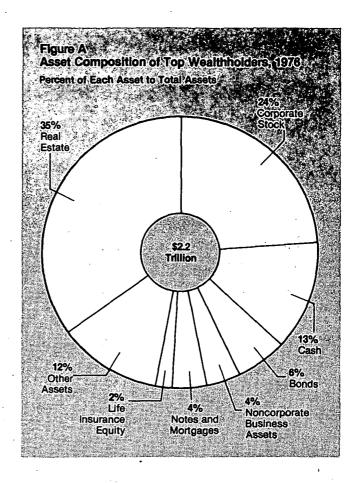
The concentration of wealth among the very top wealthholders was almost as skewed as that for the general population. As shown in Figure B, nearly 23 percent of the total assets of all top wealthholders was held by individuals with total assets of \$1 million or more. These 227,000 individuals represented less than 3 percent of the top wealthholders.

Wealth and Asset Composition

As wealth increased (see Figure C), the relative importance of real estate for both male and female top wealthholders declined sharply. Conversely, corporate stock and certain types of bonds became increasingly significant as the amount of wealth increased. In light of the special tax treatment afforded the income from State and local bonds, these assets were especially attractive to those "well off" individuals seeking to lessen their income tax burden.

Types of Wealth Held by Men and Women

The summary of the composition of wealth shown in Figure D indicates the differences between the holdings of men and women. Proportionally more men than women



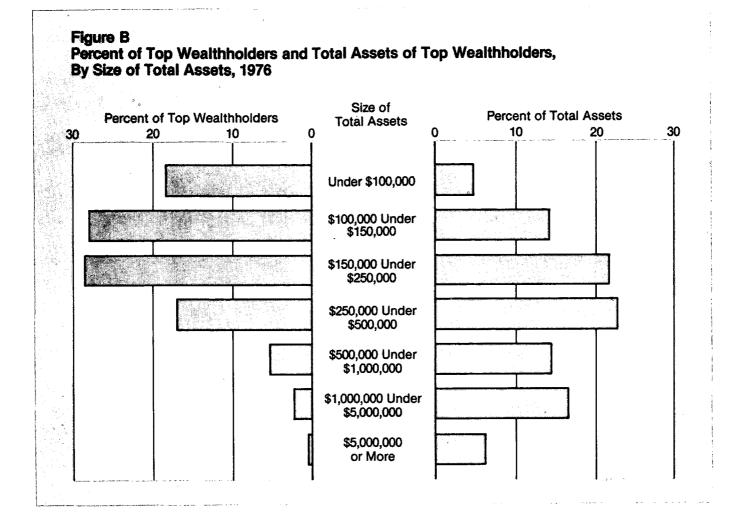
owned real estate, noncorporate business assets, and life insurance; however, more women owned bonds and corporate stock. The overall differences in holdings were large for only a few items. In their traditional role as the head of the household, about 89 percent of the men had life insurance to protect their families, whereas only about 53 percent of the women held life insurance. Noncorporate business assets were held by 27 percent of the men, but only 14 percent of the women. This may be reflective of a female spouse's tendency to dispose of the family business upon the death of her husband, combined with the shorter life expectancy of males.

Men had a relatively heavier debt burden than women with 19 percent of their total assets owed as debts and mortgages compared with nearly 10 percent for women. The large difference in debts was related to the fact that proportionally more men owned assets which are typically mortgaged or debt-financed, such as real estate and business assets.

Age and Wealth

The average net worth of male top wealthholders appeared to be closely correlated with age. As age increased (see Figure E), the average net worth increasedfrom \$119,000 for men under 50 years of age to \$395,000 for men 85 years or older. On the other hand, women under age 50 were 43 percent wealthier in terms of total assets than their male counterparts, but showed a less rapid increase than males in their average net worth until their early 60's.

Nearly 48 percent of the male top wealthholders were under 50 years of age, while only 29 percent of the female top wealthholders were in that age group. This



relatively low proportion of female top wealthholders under 50 years of age is an indication of the fact that many wealthy women may acquire their wealth upon the death of their spouse.

Predictably, younger top wealthholders had a debt burden considerably heavier than that of their elders, declining as age increased. The amount of indebtedness of males under 50 years of age was equal to 33 percent of their total assets. However, for females in this same age group, the debt burden was only 21 percent. As with the younger individuals, the debts of females of each age group was significantly lower than that of males in the same age group. This may be a reflection of the insurance protection provided more often by males that is used to pay off debts.

PERSONAL WEALTH IN 1981

Of the 4.5 million top wealthholders in 1981, redefined to include only those individuals with gross assets of \$300,000 or more, 65 percent were menthowever, as in 1976, the average net worth of female top wealthholders was considerably higher than that of their male counterparts, \$637,000 compared to \$471,000.

Figure F shows that, again, a relatively high portion of the female top wealthholders, 28 percent, were widowed. This compared to the mere 4 percent of the males who were widowers. Likewise, 83 percent of the men and 52 percent of the women were married. As in 1976, this probably mainly reflected the age composition of the male and female top wealthholders

and the difference in their life expectancies. In 1981, 48 percent of all male wealthholders were under 50 years of age as opposed to just 29 percent of female top wealthholders.

With the continued increase in its value, real estate, as shown in Figure G, valued at \$593 billion, was the largest single asset item held by top wealthholders in 1981 with gross assets in excess of \$500,000 [5]. Corporate stock valued at \$484 billion was the next most commonly held asset. Together these two asset items accounted for 55 percent of the total assets held by those top wealthholders.

DATA SOURCES AND LIMITATIONS

The estimates of personal wealth contained herein are based on information reported on Federal estate tax returns filed during 1977 and 1982. The sampled returns primarily reflect deaths that occurred during a one year period extending from early 1976 to early 1977 or from early 1981 to early 1982. However, because an extension of time for filing the estate tax return can be obtained, the estimates of personal wealth for 1976 and 1981 are also based on a limited number of returns for decedents who died before 1976 or before 1981, respectively.

As indicated previously, the wealth included on the sampled returns is centered around mid-year of 1976 and 1981 and represents the wealth of the living population at that time. While the Federal estate tax return is an exceptional source of economic infor-

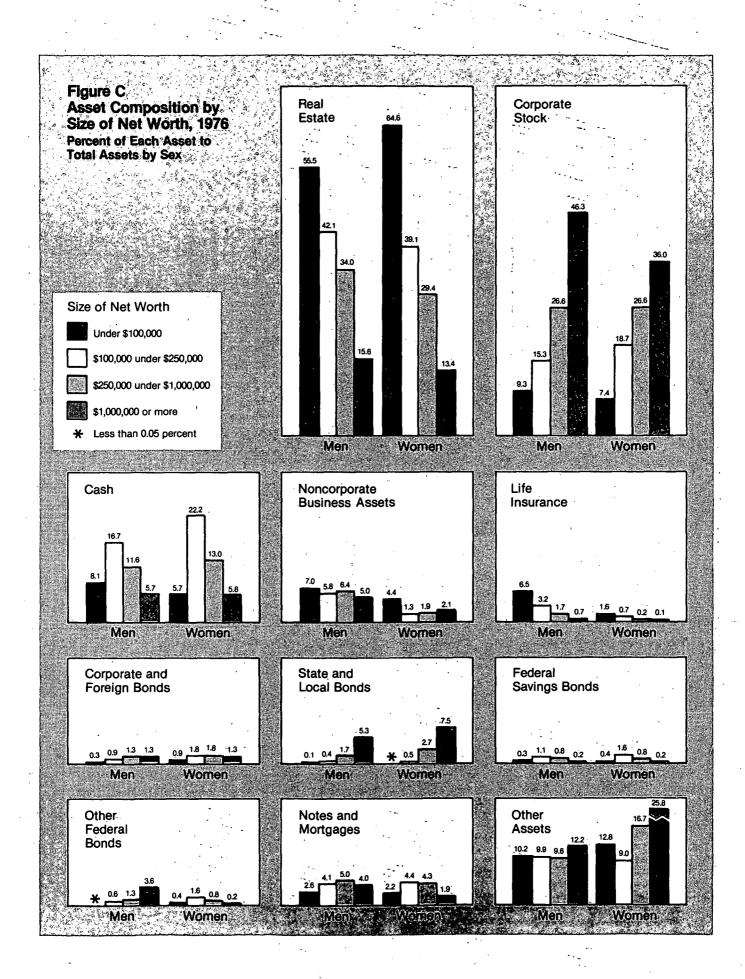


Figure D. -- Composition of Wealth for Male and Female Top Wealthholders, 1976

[All figures are estimates based on estate tax return samples--numbers of top wealthholders are in thousands; all money amounts are in billions of dollars]

	Ma	le top wea	lthholders	,	Fe	male top w	ealthholde	rs
Item	Number	Percent of total males	Amount	Percent of total assets	Number	Percent of total females	Amount	Percent of total assets
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total assets	5,782	100.0	1,368	100.0	2,913	100.0	845	100.0
Debts	5,324	92.1	260	19.0	2,569	88.2	84	9.9
Net worth	5,782	100.0	1,108	81.0	2,913	100.0	761	90.1
Types of assets: Cash Corporate stock	5,537 3,883	95.8 67.2	159 324	11.6 23.7	2,746 2,014	94.3 69.2	122 207	14.4 24.5
Bonds, total	2,012 817 1,227 279 294	34.8 14.1 21.2 4.8 5.1	64 14 9 17 23	4.7 1.0 0.7 1.3 1.7	1,314 643 651 286 254	45.1 22.1 22.3 9.8 8.7	66 14 8 21 23	7.8 1.6 1.0 2.5 2.8
Life insurance equity Notes and mortgages Real estate Noncorporate business Other assets	5,150 1,511 5,137 1,569 5,539	89.1 26.1 88.9 27.1 95.8	38 56 503 83 141	2.8 4.1 36.8 6.1 10.3	1,558 894 2,394 400 2,676	53.5 30.7 82.2 13.7 91.9	4 31 268 16 131	0.5 3.7 31.7 1.9 15.5

NOTE: Detail may not add to total because of rounding.

mation, the accuracy of the estimates of personal wealth for a particular point in time is limited somewhat by the time span during which the sampled estates are valued. For assets such as corporate stock, the timing of the valuation can be quite significant. However, nearly 78 percent of the estate returns sampled during 1982 were for decedents who died in 1981 and 81 percent of the estate returns sampled during 1977 were for decedents who died during 1976.

The "estate multiplier technique," which has been used since the beginning of the twentieth century (financial records were used as early as 1864 to estimate total personal wealth by a related technique) [6,7,8] enables conclusions to be drawn about the wealth of the living population through the knowledge of the wealth of the deceased. The underlying assumption in making these estimates from estate tax returns is that death draws a random sample of the living population. However, in actuality, death is not a random event and therefore not necessarily representative of the living population under consideration.

The probability of "death's selection" of an individual depends on the particulars of one's life. Age and sex are usually taken as gross indicators of these conditions. By knowing the mortality rate and the number of deaths for each age and sex group, the population of wealthholders can be derived, by multiplying the inverse of the mortality rate by the number of deaths in each group.

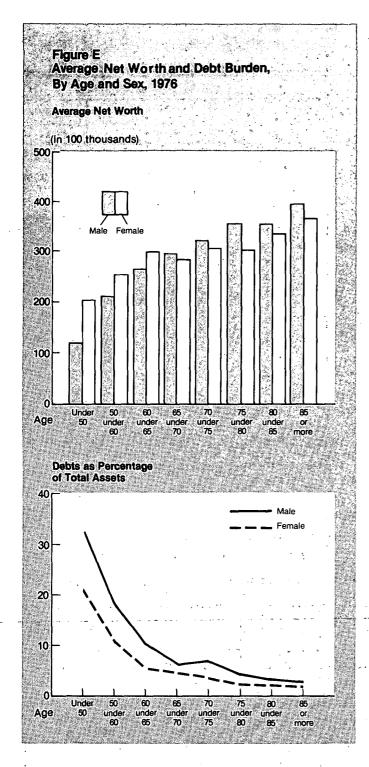
However, vital to the estimates of personal wealth is the use of a mortality rate appropriate to the top wealthholder population. This is essential to the estimates in that there is much evidence that the mortality rate of the wealthy is more favorable than that of the population as a whole [9], that is, social class also is a determinant in the "selection of the sample". Therefore, an adjustment to the general mortality rate is necessary. The basic assumption made to prepare the estimates was that the probability

of death for those at or above the minimum level of gross assets or gross estate included in the estimates for 1976 and 1981 is approximately constant for each age and sex.

The mortality rates assumed to approximate that of the wealthy are generated utilizing data prepared by the Metropolitan Life Insurance Company [10]. Three sets of age-specific multipliers for male and female decedents for 1976 were produced utilizing the insurance experience between 1973 and 1976. The same multipliers were used to generate the estimates for 1981.

While the estimates of wealth for 1976 and 1981 are based on estate tax returns sampled during a specific filing year, the returns selected during 1982 were selected as the first part of a new sample design. Returns selected during 1977 primarily reflected deaths that occurred during 1976, but also deaths from 1977 and 1975 and several preceding years. Therefore, the estimates were arrived at utilizing values determined over an extended period of time. In order to more accurately reflect the wealth at a particular point in time, a "year of death" basis for the selection of the sample was utilized in 1982. Returns selected for the sample are based on decedents dying in 1982. These are augmented by a sample of all other returns, as well as the selection of all returns, regardless of the year of death of the decedent, for wealthy and young decedents. This sample will be selected for a three year period through December 1984 to estimate personal wealth in 1982. Since the estate tax return is not due until nine months after the death of the decedent, a limited number of returns for decedents dying in 1982 were filed. Therefore, the preliminary nature of the estimates which primarily reflect the wealth of decedents dying in 1981.

Because the data presented in this article are estimates based on a sample of Estate tax returns filed with the Internal Revenue Service, they are



subject to sampling, as well as nonsampling, error. To properly use the statistical data provided, the magnitude of the potential sampling error must be known.

The table below presents rough preliminary estimates of the coefficients of variation (CV's) for frequency estimates. The approximate CV's shown here are intended only as a general indication of the reliability of the data. For a number other than those shown below, the corresponding CV's can be estimated by interpolation.

Number of Wealthholders		ximated .of Variation 1981
6,600,000	.01	N/A*
4,500,000	.012	.02
3,000,000	.015	.025
1,500,000	.02	.035
800,000	.03	.05
300,000	.05	.08
200,000	•06	10
65,000	.10	.17
45,000	.12	.20
. 21,000	.18	.30
9,000	.27	45

*N/A = Not Applicable

The reliability of estimates based on samples, and the use of coefficients of variation for evaluating the precision of sample estimates, are discussed in the Appendix.

Nonsampling error of the estate tax return data was controlled during statistical processing by a variety of methods. Among them was a systematic verification at the field processing locations of the manual data editing. As a further check on the quality of the editing small subsamples selected after field verification were reprocessed in the National Office. Key entry of the data at the processing locations was also subjected to 100 percent verification.

Prior to tabulation, numerous computer tests were applied to each return record to check for inconsistencies. Lastly, prior to publication, all statistics and tables were reviewed for accuracy and reasonableness.

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- [2] <u>Ibid.</u>, p. 53
- [3] Bureau of Economic Analysis, U.S. Department of Commerce, Survey of Current Business, July 1982, Vol. 62, No. 7. For discussions of the deflator, see the Survey of Current Business, March 1978, Vol. 57, No. 3, and March 1979, Vol. 58, No. 11.
- [4] For a detailed explanation of the Estate Multiplier Technique, see Internal Revenue Service, <u>Statistics of Income--1972 Personal</u> Wealth, Washington, DC 1976.
- [5] As previously stated, asset detail for 1981 is unavailable for those individuals with gross assets of \$500,000 or less because of a change in the reporting requirements for the estates of decedents who died in 1982.
- [6] Atkinson, A.B., "The Distribution of Wealth in Britain in the 1960's--the Estate Duty Method Reexamined," Studies in Income and Wealth, National Bureau of Economic Research, no. 39, 1975, pp. 277-319.
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Figure F.--All Top Wealthholders With Gross Assets \$300,000 or More, by Marital Status, Age, and Sex, 1981 [All figures are estimates based on estate tax return samples--numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

Ţ.	Number of	Total	Debts and	mortgages	Net	Estate tax	return st	atistics
Item	top wealth- holders	assets	Number	Amount	worth	Number of returns	Gross estate	Net worth
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
All top wealthholders,								
total	4,521.7	2,803,800	4,058.9	415,022	2,388,778	60,342	45,894	41,889
MarriedSingleWidowedOther	3,278.7 408.1 555.4 279.5	1,955,121 245,481 384,909 218,288	2,961.5 323.2 498.8 275.3	324,695 25,276 24,623 40,427		4,180 18,897	27,349 3,127 13,892 1,527	24,183 2,965 13,410 1,331
Under 50	1,869.7 1,608.9 955.9	953,053 1,065,351 740,575	1,740.8 1,453.9 796.9	281,030 102,300 31,027		11,830	2,059 8,647 34,623	1,169 7,128 33,045
Male Married Single Widowed Other	2,950.5 2,462.4 190.4 121.5 176.3	1,707,993 1,375,840 115,239 73,053 143,862	2,709.7 2,246.8 182.7 106.4 173.9	319,310 255,923 19,762 10,616 33,010	1,388,683 1,119,917 95,477 62,437 110,851	30,050 2,564 5,418	30,623 23,515 2,072 3,931 1,106	27,175 20,580 1,945 3,724 925
Under 50	1,417.8 968.2 517.2	679,001 604,199 403,644	1,386.9 856.8 437.3	224,415 74,382 20.233	454,585 529,817 383,410	9,023	1,836 6,596 21,924	997 5,212 20,713
Female	1,571.2	1,095,806	1,349.2	95,711	1,000,095	21,237	15,271	14,714
MarriedSingleWidowedOther	816.3 217.7 433.9 103.3	579,281 130,243 311,856 74,426	714.7 140.5 392.5 101.5	68,772 5,515 14,007 7,417	510,509 124,728 297,849 67,010	1,616 13,479	3,834 1,055 9,961 421	3,603 1,019 9,686 406
Under 50	451.9 640.7 438.7	274,053 461,153 336,932	353.9 597.1 359.7	56,614 27,917 10,792	217,438 433,236 326,139	2,807	223 2,051 12,700	172 1,917 12,333

NOTE: Detail may not add to total because of rounding. Age unknown are not shown separately above. However, they are included in the appropriate total.

Figure G.--All Top Wealthholders With Gross Assets Greater Than \$500,000, Assets by Sex, 1981 [All figures are estimates based on estate tax return samples--numbers of top wealthholders are in thousands; all money amounts are in billions of dollars]

	Tot	al	Men		Wor	nen
Item .	Number of top wealth- holders	Amount	Number of top wealth- holders	Amount	Number of top wealth- holders	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
Total assets	1,838.6	1,954.5	1,237.7	1,216.9	600.9	7 37.6
Debts	1,770.2	293.9	1,211.6	235.2	558.7	58.7
Net worth	1,838.6	1,660.6	1,237.7	981.7	600.9	678.9
Types of assets: Cash Corporate stock	1,776.6 1,477.2	167.4 483.7	1,217.4 1,022.0	89.7 309.4	559.2 455.2	77.7 174.3
Bonds, total Corporate and foreign Federal savings Other Federal State and local	294.3 218.7 278.0	117.7 9.0 2.2 33.6 72.9	444.3 180.6 136.0 183.6 244.8	60.1 4.6 1.6 22.6 31.3	292.3 113.7 82.6 94.4 216.7	57.6 4.5 0.6 11.0 41.6
Life insurance equity	1,643.1	23.4 74.5 592.7 122.1 372.9	1,131.5 638.7 1,166.6 611.4 1,205.7	21.6 55.1 397.4 85.6 198.0	281.1 238.2 476.5 216.2 575.0	1.8 19.4 195.3 36.5 174.9

NOTE: Detail may not add to total because of rounding.

- [8] Smith, James and Calvert, Staunton, "Estimating the Wealth of Top Wealthholders from Estate Tax Returns," 1965 American Statistical Association Proceedings, Business and Economics Statistics Section.
- [9] Caldwell, Steven and Diamond, Theodore, "Income Differentials in Mortality: Preliminary Results Based on IRS-SSA Linked Data," Statistical Uses of Administrative Records with Emphasis on Mortality and Disability Research, Office of Research and Statistics. U.S. Social Security Administration, 1979.
- [10] We are extremely grateful for the continued support we have received from the Metropolitan Life Insurance Company, beginning with the late Mortimer Spiegelman and continuing most recently with Mrs. Frances Baffa, who provided the mortality data used in the present computation of the estate multipliers.

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Table 1. — ALL TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976

Size of net worth	Number of	Total	Τ					Cash	5
		-	2			_	Ţ	1	ı
								Number	Amount
	3			3	3		(5)	(6)	Э
Total	8,695		2,731 2,415	7,883.4 118.8	2 9 8	7,798 535 535	1,868,833 - 8,670	8,283.3 107.9	280,784 739
\$5,000 under \$100,000 \$100,000 under \$150,000	1,429.0 2,237.8		165,706 321,822	1,370.6	1	55,945 41,759	109,761 280,063	1,340.0 2,115.6	15,638 61,436
\$250,000 under \$500,000	1,205.		3,712	084.9	8	657	406,054	1,170.7	61,699
\$1,000,000 under \$5,000,000 \$5,000,000 or more			0,824	9.50 65.4	~83	491	296,721 94,839	167.1 9.6	21,431 3,256
				Types	of assets - Continued	Continued			
	Corporate	e stock				Bonds	8		
Size of net worth				Total		Corporate and foreign	nd foreign	Gove	Government
	Number	Amount	2	Amount	<u>.</u>	Number	Amount	Federa	Federal savings
								Number	Amount
	(8)	(9)	[≘	ء	٦	(12)	(13)	5	=
Total	5,897.6 39.9	530,97 2,83	ω		129,650 297	1,460.8 1.1	27,625 *208		
\$0 under \$50,000 \$50,000 under \$100,000	408.6 877.7	6,09 15,54			<u>;</u> <u>\$</u>	110.3	371 616		
\$100,000 under \$150,000	1,521.2	46,00			10,200	340.2	3,382		
\$150,000 under \$250,000	964.8	105,52			22,854	310.9	6,248		
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000	149.9	91,/66 130,211 51,315	1 120.9		40,520	70.8	1,436	323	923
				Турея	Types of assets—	- Continued			
		Bonds -	Bonds — Continued		L T	Life insurance equity	ce equity	Notes and	Notes and mortgages
Size of net worth		Government -	Continu						Ì
	Number	Amount	Number	ber Amount	a	į	7		
	(16)	(17)		(19)	9	(20)	(21)	(22)	2
Total	564.7	38,315			46,293	6,708.2 117.2	42,287 868		
\$0 under \$50,000 \$50,000 under \$190,000 \$100,000 under \$150,000	22.4 92.8	117 1,884		62.4 62.4	1,002 87	1,345.2	6,695 6,320	301.0 528.7	1,776 4,003 7
\$180,000 under \$250,000 \$250,000 under \$500,000 \$500,000 under \$500,000	150.6 161.6 79.5	3,692 7,032 6,282			0 5 405 0 286 0 286 0 5 5	7,419.0 761.3 241.2	8,021 5,811 2,618		
\$1,000,000 under \$5,000,000	52.2 4.0	14,73 4,76			20,425 6,602	100.4 5.1	1,870 218		
		Ty	Types of assets—	-Continued			Eg.	muter sat etc	statistics
Size of net worth	Real estate		Noncorporate business assets	business	Other	T assets	Number of	Gross	
	Number	Amount	Number	Amount	Number	Amount	returns	H	j
	(24)	(25)	(26)	(27)	(28)	(29)	(30)	8	2
Total	7,531.0 103.5 890.7	770,787 10,265 54,989	1,969.3 69.9	98,728 4,673 4.518	1.024 115		_	<u> </u>	
\$0,000 under \$100,000 \$100,000 under \$100,000	1,911.6	92,012 142,300	341.3 365.5	8,770 8,770	1,389.6 2,048.2	0,000 6 19,496 2 30,921	96 6,389 21 32,630	383 89 1,046 30 4,788	508 4.220 7785
1101,000 under \$500,000 \$250,000 under \$1,000,000	1,023.0	77,580 77,581	371.9 127.0	14,058 17,058	1,1423 375.1				
\$5,000,000 or more	7.4	9,460	5.1	3,503	9		Г		l

Table 2. — ALL MEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976 (All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands

C C C C C C C C C C C C C	Colored Colo	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			mber (3)	Amount	Ž	ed worth	Number	Amount
Compare	Compares Compares	(1) (1) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3		+	(3)	Amount	$\frac{1}{1}$			
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1,12,12,2 1,2,12,2	(1) 877.2 877.2 1.1.77.4 1.1.77.7 1.1.77.7 721.1 85.6 6.5				3				
1,000 1,00	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	5,782 989 1,772 1,274 7,714 2,18 86,5 6,5 6,5				È	_	- (2)	9	ε
1,000,000 1,00	Marches 1,0,7,752 2,0,500 1,117 2,0,700 2,0,700 1,117 2,0,700 1,117 2,0,700 1,117 2,0,700 2,0,700 1,117 2,0,700	88 88 88 1,772 1,772 1,2		67 630	0000				- 1	5
1772 1772	1,172 1,272 1,200 1,112 2,200 1,11	1,772 1,772 1,272 721 2,212 721 2,213 8.6. 8.6. 8.6.		20,70	0,063.8	ő E	989	1,107,552	5,537.2	158,778
1772 1772 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 197500 11177 20,752 11177 11177 20,752 11177	1,17.2 1,17.2 1,17.2 1,17.2 2,07.2 2,07.2 2,07.2 1,17.2 2,07.2 2	1,172 1,272 1,272 1,272 1,272 221 86,5 6,5		78.082	9 020	3 4	3 2		7.0	₹
1,27,2 1,50	1,27,2 1,27,2 1,07,20 1,11,17 2,07,2 1,05,00 1,11,10,1 1,10	1,274, 1,212, 7,211, 2,18, 95, 6, 6, 6,		28.500	11177	. \$	37.0	20,130	9	4
1,212 2,500,728 1,515 30,741 14,776	1,212 2,2278 1,061 3,662 2,200 1,141 1,170 1,1	1,212 721. 721. 218. 86. 5.		37.320	1,113,7	* *	2,42	150 500	200	4 5
19 19 19 19 19 19 19 19	Coppose	721 218 95. 95.		2 728	8	3 2	633	2000	2 .	5
Section Sect	10,000 1	218, 95, 95, 65, 65,		75.196	657.4	38	741	241 455		4.5 4.5
Corporate stock S. 6.7 Sep. 200 S. 6.9 S	Marrier Marr	Se 95.		38,882	210.5		176	147 708	240.4	, S
Corporate accol. Corporate a	Composite mode Comp	Corporat		32,209	94.5	24	872	167.338	20.7	200
Corporate stock	Mumber Namber N	Corporat		38,755	5.6	, vo	186	53,569	2.43	1,420
Corporate according Corporate according	Marrier Marr	Corporat								0,1
Corporate stock Number Annount Annount Annount Number Annount Number Annount Number Annount Number Annount Number Annount Number An	Number N	Corporat				of assets	Continued			
Comparison	Marries Amount Number		e stock				å	1		
Muniber Muni	Committee	-					3			
Sample	Section Convertment Conference Confe						Corporate	and foreign	96	mment
Chief Chie	19 19 19 19 19 19 19 19	Sumper	Amount			L				
10 10 11 12 13 13 14 15 15 15 15 15 15 15	10 10 10 10 10 10 10 10			Number	Amo		Number	Amount	Leoera	
10 10 10 10 10 10 10 10	19 19 19 19 19 19 19 19				!				Number	Amount
1979 20,000 20,	1985 20262 2012 2026 6175 13984 12894	(8)	(6)	(01)	Ε	=	(12)	(13)	(14)	196)
1,100 1,10	12.56 2.56 2.00 1.1.56	3 883 3	323.62			99 00				
12 Sept. 1	1972 1972 1973 1974 1974 1975	33.5	90,020		1 1	20.00	67/19		_	8,38
1,194 1,195 1,194 1,195 1,19	10 10 10 10 10 10 10 10	281.8	4			8 8	9			•
1972 247796 4774 4774 1789 4789 4774	1,100 1,10	757.8	200			8	Ç.			
Section Sect	Color Federal Number Amount Number Amo	0.00	66,25		2	1,184	91.8			:
Section Sect	Section	9.00	6/67			4.714	179.6			1.912
17.65 17.6	Color Colo	200	4.			8,296	210.3			,
Section	Sol Sol	624.6	83,74			11,563	174.6			-
Big Big	Second	200	53.83	;		200	9 6	•		N
San and part San and post San	Compare Continued Contin	2	3 6			27.	27			916
Mumber M	Chief Federal Chief Federa	20 1	20.75			19,145	38.5			
Types of asserts	Types of asserts	5.5	33,50			7,136	3.1			
Size and local Continued	Continued Cont									
Content	Continued					of assets -	Continued			
Conference Con	Mamber		Bonds	Continued			Life insuran	nce emitte	Modes one	
Cities Control Federal Number Amount Amount A	Chine Federal Number Num		1			-		1	IMPROPAGE BILL	nor mornes
Cline Federal State and local Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Num	Chief Federal State and local Amnufor				1	1				
Color	Colorer Colo	ğ	ederal	State	Ş	_	Number	Amount	Number	Amount
(19)	150 170	Number	Amount	Number	Amor	15				
et worth Real estate Amount Noncoporate business C270 C250	1,12,100 1,12,100	(16)	67	(41)	140		(60)	100		
1.55 1.50	1,1,1,2,1,2,1,3,3,4,1,3,4,1,3,4,1,3,4,1,3,4,1,3,4,2,4,2,4,2,4,2,4,2,4,2,4,2,4,2,4,2,4		١!		٤		3	2	22	8
## worth Real estate Noncorporate business 1,300	1.5 1.5	278.9	47,38		-	22,894	5,150.2		_	56.437
1.5	1.5 1.5		•			:	90.6			
18.1 1.5.5 9.4 1.8.1 1.5.5 9.10 18.1 1.5.5 9.4 1.5.5 9.10 18.1 1.5.5 9.4 1.5.5 9.10 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 1.5.5 9.2 1.5.5 18.1 1.5.5 9.2 9.2 9.2 1.5.5 18.1 1.5.5 9.3 1.5.5 18.1	18.5 4.9 18.1 7.8 1.153.5 8.110 2.100 67.2 1.659 68.5 1.259 983.9 7.217 352.1 67.3 2.866 5.33 4.78 1.78.8 5.372 3.027 2.52 2.868 3.97 3.552 4.6 1.083.8 6.83.5 1.689.0 3.552 4.6 1.083.8 6.83.5 1.689.0 1.589.0 82.22 5.539.1 140.511 7.8 5.290 6.83.5 6.83.5 1.589.0 82.22 5.539.1 140.511 7.8 5.290 6.83.5 6.83.5 1.589.0 82.22 5.539.1 140.511 7.8 5.290 6.83.5 6.83.5 4.6 1.589.0 82.22 5.539.1 140.511 7.8 5.290 6.83.5 6.83.5 4.6 1.1 1.1 1.1 1.1 1.1 1.1 6.83.5 6.83.5 6.83.5 1.1 1.1 1.1 1.1 1.1 1.1 6.83.5 6.83.5 1.0 1.1 1.1 1.1 1.1 1.1 1.1 6.83.6 6.83.7 1.0 1.1 1.1 1.1 1.1 1.1 1.1 6.83.6 6.83.7 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 6.83.6 6.83.7 1.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 6.83.6 6.83.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 6.83.6 6.83.7 1.0	1.5	•		1.8	29	978.8			
1,098.3 1,098.3 1,098.3 1,008.3 1,009.3 1,00	of 7.0 57.8 654 33.0 451 1088.3 7.210 32.15 67.0 1,650 67.0 1,650 63.0 1,550 682.4 5.717 302.1	19.5			7	2	1 153 5			
Carrollon	Fig. 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	57.8	958		2	45.1	000			
et al. 2,906 73.3 2,699 582.4 5,716 5,317 <th< td=""><td> Secondary Secondary Secondary Se</td><td>. 67.0</td><td>1.650</td><td></td><td></td><td>96.</td><td>2 6</td><td></td><td></td><td></td></th<>	Secondary Secondary Secondary Se	. 67.0	1.650			96.	2 6			
Second Second	Section Sect	67.3	280			000	200			
Types of assets	The state The	5	2 856		3 6	2,000	9 6			
Types of assets	Types of assets	3 %	200,0		7 5	0,70	9.6		ı	
Types of assert	Types of essets	25	2586		. 6	2,652	() ()			7,578
Types of assets — Continued Parent Section Parent S	Types of assets Types of a					4	2.			
Number N	Number N		ı,	pes of assets	Continued			ű		rtistics
Number of Number Number of Numbe	Number Number Number Number Carola Number Carola Number Carola Number Carola C	Reel exte	_	Noncorporate b	usiness	į			⊦	
Number Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number N	Number Number Annount Number Annount Number Annount Number Annount Number Annount Number Annount Number Annount Number Annount Number Annount Number N			essets			essera	Number o		Alex
(24) (25) (26) (27) (28) (29) (30) 5,1375 500,189 1,588.0 8,292 5,533.1 140,511 76,983 78,9 9,383 4,417 98.3 1,040 236 1,083,6 46,811 75.5 3,500 962.4 8,178 1,980 1,138,6 46,811 75.5 9,294 1,141.1 13,786 5,713 1,138,6 46,069 280.3 1,702.1 1,182.2 18,618 20,748 1,070,2 10,2,225 280.3 17,201 1,182.3 25,584 25,598 1,041,1 10,222 280.3 17,303 18,818 20,748 1,041,1 34,407 44,0 10,989 22,27 15,596 5,224	(24) (25) (26) (27) (28) (29) (30) (31) 5,137.5 5,031.89 1,569.0 82,922 5,539.1 140,511 76,893 27,014 833.5 46,811 4,177 86.3 1,040 2.26 106 833.5 46,817 75.5 8,077 1,141.1 13,766 5,713 9.8 1,037.2 1,037.2 8,084 2,034 1,141.1 13,766 5,713 9.8 1,070.2 106,247 4,067 1,141.1 13,766 5,73 8.8 1,141 1,141.1 13,766 5,73 9.8 1,070.2 106,247 4,067 1,702.1 1,142.3 25,664 25,73 5,73 104.4 10,222 283.3 17,203 88.6 22,47 15,472 5,73 104.4 3,420 44,6 10,244 83.9 2,127 15,666 2,224 3,644	Number		_	- Amount	Number	Amount			
5,137.5 500,189 1,580.0 82,922 65,331 1,040.1 76,933 76.9 9.383 4,177 89.3 1,040.2 2.38 823.5 4,6811 75.5 3,500 982.4 8,178 1,980 1,083.6 8,334 30.5 8,077 1,141.1 13,766 5,713 1,138.6 8,40.6 2,832 9,294 1,182.2 2,584 2,500 1,070.2 10,70.2 2,80.7 1,182.3 2,584 2,500 1,40.7 4,40.7 3,40.7 1,500 2,534 1,500 1,50.7 10,2,2.5 2,80.3 1,300 6,80.4 1,500 2,534 1,40.7 4,40.7 3,40.7 4,40.7 1,500 2,227 1,500	5,137.5 503,189 1,589.0 82,922 4,177 88.3 140,511 (31) 76.9 9,833.5 4,177 88.3 1,040 2.26 106 1,083.6 6,833.4 3.50 962.4 1,178 8.3 1,040 2.26 106 1,083.6 6,833.4 3.50 962.4 1,182 1,860 30,14 1,860 30,17 1,860 30,14 1,083.6 6,833.4 3.06.5 8,077 1,141.1 13,766 2,774 3,141 1,070.2 1,070.2 1,02.24 1,182.3 25,664 25,028 5,730 6,730 1,847 44,072 44,077 1,182.3 28,477 15,479 5,730 6,730 1,847 44,072 44,077 10,244 52.9 10,244 53.9 24,063 2,288 4,544	(24)	┞	╀	(27)	(96)	(80)	+		
5,1375 5,03,189 1,688.0 6,292 2,583.1 1,44,511 76.9 9,386 4,84 4,177 89.3 1,040 6,335 4,84 4,177 89.3 1,040 1,083.6 6,834 306.5 3,577 80.3 1,040 1,138.6 6,034 306.5 2,204 1,141 13,762 16,182 16,18 1,138.6 1,138.6 2,604 1,182.2 16,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 16,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,18 26,17 4,18 27,17 15,56 26,68 26,41 16,58 27,17 15,56 26,68 26,68 27,17 16,56 26,68 27,17 16,56 26,	7.137.5 560,189 1.569.0 82.922 5.533.1 140,511 76.953 823.5 46,811 75.5 3.500 922.4 8.178 1.980 1000.2 46,811 75.5 3.500 922.4 8.178 1.980 1000.2 1000.2 1000.2 1.041 13.766 5.713 1.040 1000.2 1000.2 100.222 2.241 1.162.3 25.964 2.504 1000.2 100.222 283.3 17.333 688.6 25.417 15.472 100.4 100.2 100.2 2.400 2.244 2.244 2.244					(8)	1		(3)	8
1,040 6,356 6,417 89,3 1,040 6,356 6,077 1,411 13,766 1,138.6 6,072 1,02.25 2,533 1,302 6,857 1,162.3	76.9 6,383 4,98 4,177 883 1,040 228 1,180	5,137.5	503,189	1,569.0	82,922	5.539.1				
1,083.6 46.811 75.5 3.500 962.4 8,178 1,083.6 68.334 309.5 8,077 1,141.1 13,786 1,138.6 84.098 283.2 9,294 1,182.2 18,618 1,070.2 102,275 46.57 1,7021 1,152.3 28,54 660.7 102,225 283.3 17,303 688.8 28,41 1,94.7 46,072 84.0 10.889 2.12.7 15,566	1,0835 46,811 75.5 3,500 982.4 8,178 1,580 1,0836 84,088 283.2 9,294 1183.2 18,618 20,748 1,070.2 105,247 405.7 17,021 1,182.3 25,664 25,028 1,084.7 48,072 10,689 224,47 15,886 5,224 1,084.8 34,420 44,6 10,244 83.9 24,089 2,368	78.9	9,383	49.8	4.17	88				
1,0838 66,334 309.5 8,077 1,141.1 13,796 1,138.6 8,098 283.2 9,294 1,183.2 18,616 1,070.2 102,225 283.3 17,302 688.8 28,417 104.7 46,072 84,0 10,899 212.7 15,996	1,083.6 66,334 309.5 6,077 1,141.1 13,796 5,730 1,182.3 1,	833.5	46,811	75.5	3.500	862.4				:
1,138.6 84,069 283.2 9,294 1,183.2 18,618 1,070.2 105,247 40,677 1,7021 1,182.3 25,854 1,070.2 105,275 283.3 17,300 698.8 284.17 1,070.2 1,070.2 1,089.8 284.17 1,070.2 1,070.2 1,089.8 284.17 1,070.2 1,070.2 1,089.8	1,138.6 64,068 283.2 9,294 1,183.2 18,616 20,748 1,002.22 10,222 28,03 17,303 698.6 28,477 15,472 194.7 48,072 94.0 10,244 83.9 24,08 2,388	1,083.6	88.334	309.5	8.077	1 141 1			,	
1,070.2 105.247 405.7 17,021 1,152.2 55.45 650.7 102.225 283.3 17,303 688.8 28,417 16,07 46,072 84,0 10,889 212.7 15,996 84.9 10,889 212.7 15,996	1,070.2 105.247 405.7 17.021 1.152.3 25.864 20.748	1.138.6	84.068	283	0	100				
650.7 102.225 283.3 17,303 688.8 28,417 194.7 46,072 94,0 10,989 212.7 15,996 84.9 0.00,889 212.7 15,996	650.7 102,225 283.3 17,303 688.6 28,47 15,472 15,472 84.0 10,889 212.7 15,986 5,224 83.9 24,086 2,368	1,070.2	105.247	405.7	17.021	11533				7,00
194.7 48,072 94.0 10,989 212.7 15,986	194.7 48,072 94,0 10,989 272.7 15,989 5,242 94,9 34,420 44,6 10,244 93,9 24,089 2,388	650.7	102.225	2833	17.303	ABB A				
84.9 34.201 44.8	848 34420 44.6 10.244 83.8 24.083 2.388	194.7	48.072	96	10 080	2107				
	00017	98.0	34,420	4	10.244	80.00				
4.4 4.650 3.5 0.21A F. C. C. C. C. C. C. C. C. C. C. C. C. C.		4.4	4.650	3	2.316	9 4				
A.A		ı				;				
because of the small number of	Estimate should be used with caution because of the small number of sample of	(1) (1) (1) (1) (1) (1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Real Rumber (24) 5,137.5 (24) 6,003.8 (1,083.8 (1,082.8 (F18.0 67.0 67.0 67.0 67.0 67.0 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	15.2 954 15.2 1659 15.2 2.906 2.5 2.506	1.5	18.1 4.4 18.1 4.4 4.5 6.	15.0 4.9 18.1 17.8 1	18.1 7.8 1.088.3 1.2 1.088.3 1.2 1.088.3 1.2 1.0	15.2 15.5

Table 3.— ALL WOMEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976
[All figures are estimates based on estate tax return samples—numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

				-				-	•	
	Size of pet worth	Number of	Total		Ceors and mortgages	or spenger	<u> </u>		Cash	0.00012
	!	holders	assets	ş	Number	Amount	-	T		Amount
		(1)	(2)		9	(4)		(5)	(6)	(7)
Total		2,912		5,193	2,569.5			761,381	2,746.1	122,005
So under \$50,000		26 61 61		2,550 0,974	05 61.9 9 61.9	يُو هو آخ	574 574	2,400	57.2 4 100	212 212
\$100,000 under \$150,000		963		502	817.4	, <u>, , , , , , , , , , , , , , , , , , </u>	9	121,495	881.3	29,852
\$150,000 under \$250,000 \$250,000 under \$500,000		876. 483.		9,540 8,516	752.2 427.5	ឆ្ន	916 916	165,885	460.3	39,717 26,734
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000		166.0 73.7		120,775 138,615 43,515	156.2 70.7	6,835 7,232	232.5	113,940	164.1 72.5	12,319 9,106
					Two	of assesse — C	Continued .			
		Corporate stock	e stock				Bonds			
Size of	Size of net worth				Total		Corporate and foreign	d foreign	Gove	Government
		Number	Amount		ı	-			Federa	Federal savings
-				Number	Amount		Number	Amount	Number	Amount
		(8)	(9)	(10)	(1)		(12)	(13)	(14)	
Total		2,014.3	207,346 345	_	313.6	65,995	643.4	13,641	651.0	8,033
\$0 under \$50,000		26.8	. 4.		<u> </u>	386	19.7	315	•	
\$100,000 under \$150,000		641.4	21,205			5,486	60.6	1,986	22.5	
\$250,000 under \$500,000		360.3	41,772			11,292	136.3	2,947	98.0	→ N
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000		60.0 3.8	37,928 47,449 17,808		54.4	12,043 21,375 5.577	91.6 1.7	2,033 340	33.6 14.4	417
					Types	Types of assets — C	— Continued			
			Bonds	Bonds Continued			Life insurance	e equity	Notes and	Notes and mortgages
Size of	Size of net worth		Government	Government — Continued		<u></u>				
		Alumber A	Amount	Name of the last	ا ا		9	2	4	71.001
		(16)	(17)	(18)	Amount (19)		28	(21)	(22)	(23)
Total		. %	20,922		254.1	23,398	1,558.1 28.6	3,879	.00 .00 .00 .00	
\$0 under \$50,000 \$50,000 under \$100,000		::	::		1 :	l <u>:</u>	39.6 191.7	177 584	8 -	
\$100,000 under \$150,000 \$150,000 under \$250,000		**38.0 83.6	**783 2,032	•		**571 1,146	612.0 425.1	1,110 1,004	207.2	5,021
\$250,000 under \$500,000 \$500,000 under \$1,000,000		94.3 41.4	4,126 3,427		58.1	2,506 5,573	178.9 61.4	. 439 262	177.1 73.	
\$5,000,000 or more		1.5	2,182			3,049	0.5	12	2.3	
			Туг	Types of assets - Continued	- Continued			Es	Estate tax return statistics	latistics
Size of	Size of net worth	Real estate		Noncorporate business assets	business	Other	assets	Number of	Gross	Net worth
		Number	Amount	Number	Amount	Number	Amount	returns	estate	100
		(24)	H	(28)	(27)	(28)	ΙΙ.	(30)	(31)	(32)
Total		2,393.5	267,598	400.4	15,806	2,675.7		42		
Negative net worth \$0 under \$50,000		*26.6 57.1	.903 8,178	8.	1,514	*26.6 61.9	*325 426	į	*31 *11 85 28	
\$100,000 under \$150,000		811.2	58,232	72.3	1,291	248.5 855.0		;=		1,557
\$250,000 under \$500,000		372.3	58,355	78.6	2,663	453.7		95		
\$1,000,000 under \$5,000,000		80.5 5.5	29,489 19,490	18.8	2,632	162.4 69.7		<u>,</u>		
\$5,000,000 or more		3.0	4,610	1.6	1,187	3.9				
*Estimate should be used with caution	on because of the small number of sample estate	setate tour returns on which it is beaud					1		I	I

[&]quot;-carnete stoud be used with caution because of the small number of sample estate "Data combined to avoid disobature of information for specific estate tax returns. NOTE: Detail may not add to total because of rounding.

Table 4. — MARRIED MEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976 [All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all ma

-						•			-
Size of net worth	Number of		1			T	_1	Types of assets	2000
	Toto			Number	Amount	ž —	T TO THE TOTAL	Cest	6
							<u>_</u>	Number	Amount
Total	ε			3	(4)		(6)	9	ε
Negative net worth	4,81		18.423	4,418.0	218	822	800.195	4.583.9	120 12
\$0 under \$50,000	2		0000	5	2	571	-5,981	Š	
\$50,000 under \$100,000			19 794	88	\$ \$	/2/	8,536	736.8	8
\$100,000 under \$150,000	-		767	3 6	Ŗ.	2	20.00	1,005.8	Ξ
\$150,000 under \$250,000	ā		200	Y C	31	7	131,116	1,019.1	S
2250,000 under \$500,000	-		20,00	9 6	N 8	12/	17,829	827.9	31.8
2500,000 under 51,000,000	-		22.034	¥ 6	8:	3	182,484	2.4	8
51,000,000 under \$5,000,000	-		20.02	17.0	≥ 8	513	20,808	177.3	12.2
to, unit or more	_	9.	44,300	4	120	ìÈ	130,028	7.5	9,974
					•		1,000	*	1,5
				Types	of essets –	Continued			
	Comorate	the stock				1			
Street and read security.			1			Buog	8		
•				Total		Corporate and foreign	and foreign	Gow	Gommont
	Number	Amount			L				
	•		Munder	Amount	-	Number	Amount	Federal	Bevings
	é	8						Number	Amount
Total		1		Ξ		23	33	(14)	(15)
Negative net worth	3,218.9	257,679	-	ei,	47,651	662.8	10,681		8
0 under \$50,000	2.4.5			2	233	o.			•
50,000 under \$100,000	2010			9	7	4.6			
100,000 under \$150,000	207	-		9 9	88	75.5			
150,000 under \$250,000	744.7			200	3,594	145.7			
250,000 under \$500,000				20 1	8,079	162.7		-	
500,000 under \$1,000,000	3	.*		• •	00.0	129.9			
1,000,000 under \$5,000,000	2			9.0	100	200			
S,UUD,UUD OF MORE	7		38	9 6	195	5. C		140	383
		I		2	5	9			- 1
				Types	of assets - Co	Continued			
		Bonds	Bonds — Continued		L	Life insurance	400		
Size of net worth		Government	Government Continued		-			CER STORY	Acres and morages
	Ogra	Source	100	Post Post	T	-			
• •				1	T	BOUND	Amount	Manber	Amount
	(40)	THOUSE.	Mumber	Amount					;÷
Total	(10)	È	3	٤		(20)	(21)	(22)	ŝ
Negative net worth	283	12,145	235.2		17,836	4,417.5	34,280		
under \$50.000					:	61.3	8	-	
0,000 under \$100,000	91.5	91:	3.8	æ	9 :	835.5	4,810		,
00.000 under \$150.000	18.7	\$			7	1,037.0	7.486		
50,000 under \$250,000	49.5	82	,		327	928.4	6.525		
50,000 under \$500,000	25				2	812.7	6,178		
00,000 under \$1,000,000	3:	2,185			2,249	496.7	4.756		
.000.000 under \$5.000.000	5.72 5.73	1,824			3,814	154.4	2,080		
,000,000 or more	2	200,			7,672	97.0	1,442		
	a.	1,201			2,958	7	167	9.3	1219
	7	ě	Types of maseris -	- Confinence			ľ		
								E SE VOCES	Stenence
ULDM NEU ED 8750	Road estate		roncorporate business assets		Other	asserts	1	_	
	The state of	 -	┞						Net worth
	No.		Number A	Amount	Number	Amount			
Total	(\$2)		-	(27)	(58)	(8 2)	<u>(20</u>	(31)	8
Total	4,419.0	427,490	1,376.8	71.445	4.637.1	114.020			
SO under SSO MA	89.69	6,043	0.4	1.810	78.4				-
0.00 under eton one	7520	41,470	Š	3,397	817.6				3;
\$100.000 under \$150 no	976.6	60,516	286.7	7,213	1,025.0	12.150	35	2 5	-
50,000 under \$250,000	90.00	2,006	283	8,482	1,009.8	15,38			
50,000 under \$500,000	200	2 2	340.0	4,400	896.8	19,23			3.479
00,000 under \$1,000,000	2 6 6	2000	00.00	15,580	\$53.4	8,8			
.000,000 under \$5,000,000	7	2002	0.00	020	17.	12.03	1		:
\$5,000,000 or more		200	700	8,0/2 B,0/2	<u> </u>	8			
	000		a	. 683	107				

OLDERS, BY SIZE OF NET WORTH, 1976

All hours are estimates been on section									1
		1	2	Debts and mortgages	eg#	i	T	Can	
Size of net worth	100		Number	_	Amount		1	Number	Amount
	3	2	(3)	H	3	6	1	9	3
TOTAL	- A 1		9.8	.156.5 22.0	58,383 *2,871		- 877	220	1946 1946
Negative net worth	90.7 185.9 489.0	10,858 28,178 86,991	991 991	162.7 366.6	12,537 8,045		13,639 58,946	396.8 361.9	1,029 12,425 14,169
4 4 9 4	372.1 171.5		86	149.2	10,046		8,057	98.0 98.0	7,506 3,484
8280,000 under \$5,000,000 \$500,000 under \$1,000,000 \$1,000 000 under \$5,000,000	. 22 A		50,940 59,867	30.7 1.3	3,696 452		6,171 6,925	31.9 1.3	4,127 626
\$5,000,000 or more				Types of	Types of assets - Continued	hued			
						Bonda			
	Corporate	9806	1	Total	ρ	Corporate and to	toreign	Government	nment
Size of net worth		Amount	- 1	1	F	_	Amount	Federal	SECTION
			Number	Amount	-	\vdash	1	Number	(15)
	(8)	(9)	(10)	3			_	272.6	2,17
Total	919.4	95,539			25,472	241.3		: :	
Negative net worth	**28.0 78.3	**561 2.322			<u> </u>	16.8	:	143.0	
\$50,000 under \$100,000 \$100,000 under \$150,000	308.8	9,045	162.9		2,106 3,280	57.6 86.1	1,255	74.6	43 ZZ
\$150,000 under \$250,000	35.1	17,906			1,128 1,140	24.8	. 88	10.6	
\$500,000 under \$1,000,000	25.3 1.3	22,761 10,360			1,786	0.6	265	 - -	
\$5,000,000 or more				Types of assets	8	Continued			mortman
		Bonda —	Bonds — Continued		١	The manage eduny	equity	10000	
Size of net worth		Governmen	Government - Continued		<u> </u>		Amount	Number	Amount
	Other Federal	America	Number	Amount	_1	_			3
	(16)	(17)	(18)	(8)		28	(21)	Ē	1
Total	96.9		9 107.9		10,518	21.9 39.4	17.6 17.6 17.6	•21.8 •1.1	
\$0 under \$50,000	· 17.6	*421 755			5218 528	203.8	<u> </u>		5 2,896 4 4,568 4,110
999 588	23.9 13.8			23.2 23.0 21.5	5,076	28.7 9.3	, <u>e</u> = 7		
\$1,000,000 under \$5,000,000	0.7		1	H			Estato	to tax n	Hatletica
		estate	Noncorporate business	xusiness	Other assets	assets	Number of	Gross	Net worth
Size of net worth	- 1 :	Amount	Number	Amount	Number	Amount	100	3	8
	(24)	(25)	(28)	(27)	(28)	2	(3)	2	1
Total	1,239.2	147,300 •625 7,968	255.6	10,212	1,232.5 22.0 80.7				
90 under \$50,000 \$50,000 under \$100,000 \$100,000 under \$150,000 \$150,000 under \$250,000	185.9 425.1 337.7	19,151 33,904 27,197	55 55 4.2 55 56 4.2	441 989 2,122 1,971	159.9 392.3 343.6 98.7	5,194 6,132 6,245 6,810	3,524 3,524 1,602 579		460 708 672 571 537 415 383
oo under s	26.3	7,808 2,371	0.82	1,330 132	29.1 1.3				
25,000,000 or more									

*Estimate should be used with caution because of the small number of sample estate tax returns on whach is a user-

NOTE: Detail may not add to total because of rounding.

Table 6. — SINGLE MEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976
[All figures are estimates based on estate tax return eamples — numbers of top wealthholders are in thousands; all money am

	Rhanker &		_	Debts and mortnanes	TO TO TO TO				
Size of net worth	top wellt-	Total						iypes o	ypes of assets
				Š	Amount	_	1	Number	-1
Total	1)	2	+	9	3		(5)	(6)	Э
	. 25.9		88,238	.8		15,195	83,041	428.0	16,760
\$100,000 under \$150,000. \$100,000 under \$150,000. \$150,000 under \$250,000.	37.2 100.3 125.5		5,007 13,802 27,024	35.7 92.5		5.49/ 2.059 1.274	2,949 12,628	85.4 25.2 1.85.4	**390 418 3,847
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000	5.2 5.2		956	14.5		8221 820	21,495 10,336	15.65 15.60	5,669 3,977
Applications of 11998	0.2		.788	0.2		56 S	1,643	5.9 0.2	726 85
				Types	Types of assets Continued	-Continued			
. Size of net worth	Corporate stock	stock	Γ			8	Bonds		
				Total	L	Corporate	Corporate and foreign	Gow	Government
	The state of the s	Amount	Number	ž	Amount	Number	Amount	Federa	Federal savings .
Total	(8)	9	(10)	4	=	(12)	(13)	Number	Amount
Negative net worth	310.3	26,480		205.5	5,448	73.5	I `	1	3
\$0 under \$50,000 \$50,000 under \$100,000	**37.1 25.9	1.039	: .:	34.5	<u>ا %</u>	11;	1.1		
\$150,000 under \$250,000	73.6 20.2	2,946		7.9	510	19.9	1 31		
\$500,000 under \$1,000,000	53.8 13.7	7,082		- 60	1,316	23.7	4 521		398 2
\$5,000,000 or more	0.2	1,019		5.0 0.2	1,226 76	2.6 0.2	e. 9	0.1.8	
т.				Types	Types of assets —	- Continued			
Size of net worth		Bonds - Continued			\downarrow	Life insurance	toe equity	Notes and	mortgages
	Other Federal	2	State	and local					
	Number	Amount	Number	Н	ā		,		Amount
Total	(46)	(17)	(18)	(19)	٥	(20)	(21)	(22)	(23)
Negative net worth	ا ۾	1,08	Ņ	1.6	1,912	307.7	1,136	109.7	
\$50,000 under \$100,000 \$100,000 under \$150,000	11	11		<u> </u>	11	97.1		•	•
\$150,000 under \$250,000 \$250,000 under \$500,000	0.6	ទីនឹ	~ . *	<u> </u>	282 282	70.0 75.3			
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000	A 4 0 00	327	ta ta	<u> </u>	8 <u>8</u>	27.4			
\$5,000,000 or more	2.4 0.1	256 32		0.4	888	031	<u> </u>	22.6	29. 29.
		Types	Types of assets —	Continued			٦	10 tax	ı
Size of net worth	Real estate	*	Noncorporate business assets	James .	Other	assets	Number		
	9		Н	Amount	Number	Amount	returns	estate	Net worth
Total		Т	\mathbb{H}	(27)	(28)	(29)	(30)	(31)	(32)
Negative net worth		29,416	74.9	5,520	393.1				
\$50,000 under \$100,000 \$100,000 under \$150,000 \$150,000 under \$150,000 \$150,000 under \$250,000	96.4 96.4	2,705 9,902 9,538	25.8 25.8		76.9 76.9	1,736	1,116		 O
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000	•	6,202 2,672	မှ 23 ရှိ 8 4 ရ	3 6 6 8	57.8 14.5		1 .		318 353
Q		1,381 55	0.4 6	59	0.2		_		•
umber of a	no summen var	which it is based	٠						2

Table 7.—SINGLE WOMEN: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976

- colore to the colored	and the week	thholders are	in thousands;	all money	amounts	numbers of too wealthholders are in thousands; all money amounts are in millions of douars	IS OF CONMI		
(All figures are estimates based on estate tax return samples indition	90 01 00			and mortic	8063		_	Types of assets	assets
	Number of	Total	8	Cooks and the shapes	1800	Net worth	∌	Cash	5
Size of net worth	holders	assets	Number	_	Amount			Number	Amount
	3	(2)	(3)	+	a	9		201.0	13.180
Total	307.0	75,554	•	276.5	4,363		<u> </u>	:::	: ::
Negative net worth	••24.3		378	24.3			13,1540 13,182	103.7	3,982
\$50,000 under \$100,000 \$100,000 under \$150,000	105.1 97.4		88	96. 96.4.	o ~1 œ		18,303	97.0 44.9	
\$30,000 under \$10,000,000	57.9 17.4 4.8	12,435 7,813	135	4.4		753 160 25	11,682 7,653 381	() 4.5	
or mor				Types of	of assets - Continued	ntinued			
	Campania	short.				Bonds			
	Corporate stock	Siocs	17	Total		Corporate and	toreign	GO	Ammont
Size of net worth	Number	Amount	Number	Amount	7	Number	Amount	Fede	Federal savings
			(10)	3	+	2	<u>(</u> 3	(14)	(15)
	222.3	22,453	169.3		5,023	ı	1,138		1,474
Negative net worth	<u>::</u>		:11		<u>: I </u>	; l '	:1		
\$0 under \$50,000 \$50,000 under \$100,000	92.7	**436 4,537			817	44.4	*208 *33		
\$150,000 under \$250,000	25.8	3,802	21.8 11.4		1,349	6.0 6.0	258 147		4.1 2.6 77
\$1,000,000 under \$5,000,000	4.2	3,000	~		2	:			
\$5,000,000 or 110 or				Types o	Types of assets Continued	ontinued			
		Bonds	ıδ		+	Life insurance	equity	1000	
Size of net worth	Other Federal	ederal	State and	and local		Number	Amount	Number	Amount
	Number	Amount	(18)	(19)		(20)	(21)	(22)	(23
Total	24.8	- 1				167.4	5		110
Negative net worth	·			<u> </u>	<u>နွန် ၂</u>	67.6			
\$10,000 under \$500,000 \$250,000 under \$500,000 \$500,000 under \$1,000,000	10.8 7.3 3.1 1.1	230 232 238	5.0	<u>- 66</u>		24.4 1.3	ט ב ב ו	1 5 8 97	8.4 4.1 339 1.9
\$5,000,000 or more			Types of assets — Continued	Continued				Estate tax retur	tax return statistics
Size of net worth	Real estate		Noncorporate business assets	usiness	Q	Other assets	Number of	of Gross	Net worth
\$ 100	Number	Amount	Number	Amount	Number (28)	Amount (28)	(30)	(31)	(32)
	171.5	15,363	15.9		274.6	1			1,384
Total Negative net worth Sp under \$50,000.	171.5	15,368	<u> </u>	<u>ا ا ا ا</u>	8 % '				
\$100,000 under \$150,000. \$160,000 under \$250,000. \$250,000 under \$250,000. \$250,000 under \$500,000.	50546 10550	3,420 4,324 2,377	1.9 1.9	1175 1196	74.0 55.1 17.2	1,185 1,1 8,326 1,965 1,963		1,762 1,036 285 143	345 354 349 194 253 245 31
\$1,000,000 under \$5,000,000	:	<u> </u>			3		ſ		١

Table 8.— WIDOWERS: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976
[All figures are estimates based on estate tax return samples—numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

								o marci	
Size of net worth	Attinger or	i o	 T	5000	Decre and morqueges			Types	of assets
				Number	Amount	<u> </u>	1	1	- Ca
Total	200	(2)		(3)	3	1 1	(5)	(0)	Amount
30 under 8100,000 30 under 8100,000 8100,000 under 8100,000	2) o• -•	,		243	<u> </u>	7,657 1,387	71,320 *-784 *216	267.9 1.7	
\$150,000 under \$220,000 \$250,000 under \$500,000 \$500,000 under \$50,000,000 \$1,000,000 under \$5,000,000 \$5,000,000 under \$5,000,000	96.6 96.6 96.6 96.4		11,847 17,129 17,917 11,828	78.0 15.8	<u> </u>	565 786 565	1,841 10,354 16,296 17,123 11,061	20.5 79.6 86.2 16.5	. 478 3,280 4,473 3,830
			4,804	9		138	4,665	0.4	
	Commen			Y.	Types of assets -	- Continued			
Size of net worth	Control of the Control	au de	Ť				Bonda		
	Number	Amount		Total		Corporate and	te and foreign	GOV	Government
			Number		Amount	Number	Amount	Federa	Federal savings
Total	(8)	9	(10)	+	3	(12)	139	Number	Amount
Negative net worth Oursider \$50,000 SER ORD SER ORD	*0.2 *0.2	18,977 '31		127.2	6,517		60.0	7	2 1,004
\$100,000 under \$150,000 \$100,000 under \$150,000 \$150,000 under \$250,000	52.2 52.2	1426		30 A 0	\$:: 5 :: 8	<u>:</u>	•	_	
\$250,000 under \$5,000,000 \$500,000 under \$1,000,000 \$1,000,000 under \$5,000 non	143.5 0.5	2,77 3,08 3,04		91.8 1.8 1.8	 22 22 23	20.3	.7 259 415	21.9 14.9	228
as,wur,but or more	0.4	4,486 2,986	- 	ဝ ဗု ယ လ	1,860 798	0 00 1			,
				Type	Types of assets-	- Continued			
Size of net worth		Government	Government — Continued		\downarrow	Life insurance	rance equity	Notes and	Notes and mortgages
	Other Federal	1	State	te and ic		Number	Amount	Number	Amount
Total .	(16)	(17)	(18)	+	(18)	(20)	(16)		
#8gative net worth	118	, 1 121 1 121		<u></u>				1	2,876
\$100,000 under \$150,000 \$150,000 under \$250,000 \$250,000 under \$500,000	7841	15.88	•	<u> </u>	85: 86:	561. 561.			
\$1,000,000 under \$5,000,000 \$5,000,000 or more	0.1 0.1	2653 287		0.5 0.5	5 9 3 20 5 6 6 7 5 6	35.7 11.2 0.3	2 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	7.5 3.1	3 1 8 8 5 6 8
		Types	s of assets Continued	-Continued			1		
AND A LAST AND AND AND AND AND AND AND AND AND AND	8	┢	Noncorporate business assets	business	Other	er assets	Number of	Gross	
	Number Am	Amount N	Number	Amount	Number	Amour	return	estate	Net worth
Total Negative net worth	28.5	8	(26)	(27)	(28)	22	3	П	(32)
		•355 •380 •712	6.1.1.1	6: 6 - 2	8::8				4,183 5
\$250,000 under \$250,000 \$250,000 under \$1,000,000 \$1,000,000 under \$1,000,000 \$1,000,000 under \$5,000,000	70.6 14.0 5.0	5,738 8,738 6,738 6,738 6,738	5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.	172 429 323 225	72.7 48.3 16.0		1,064 1,731 1,727 4,488 1,439 1,439 1,243 956	528 894 986 867	854 946 15
d with cause	₹∥;	382		88	၉ဨ				757 488
undown of information for specific estate tax returns	į	DARRO OL MINOLI IL IS CHINE							

NOTE: Detail

Table 9. — WIDOWS: TOP WEALTHHOLDERS, BY SIZE OF NET WORTH, 1976

[All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

			PQ.	Debts and mortgages	tgages			Types o	Types of assets	
Size of net worth	Number of top wealth-	Total			1	¥	Net worth	3	Cash	1
	holders		Number					Number	Amount	<u></u>
	ε	(2)	(3)		(4)		(2)	(9)	3	
	950.1		312,755	826.6	13,279	2	289,476	933.6		28,600
Negative net worth	ةِ ا		12.	اهٔ ا	· •	1 38	.51	•0.5		
\$0 under \$50,000			990'	15.1	æ	-	1,227	15.0		519
\$100,000 under \$150,000	280		9,614	256.7	- C	8 9	37,615	325.8		17,757
\$150,000 under \$250,000	328.		760	197.3	200	2	72.922	213.2		15,237
\$250,000 under \$500,000	67		7.671	9.	4	47	46,123	67.3		6,863
\$500,000 under \$5,000,000	31.5		61,919	90.9	2,813 655	13	59,106 20,314	31.2		585 582
and a month of the second of t					paration description	odine sed				
	,					Bonds				
_1	Corporate stock	9 STOCK						-		1
Size of net worth				Total		Corporate and loreign	ng roreign	3 3	COMMITTEE	
	Number	Amount	Number	Amount		Number	Amount	Namber	Amount	1
	(8)	(6)	(10)	3		(12)	(13)	(14)	(15)	<u> </u>
	688.2	70,796	509.7		30,880	248.1	6,263	253.0	3.0	4,085
Negative net worth	1:	1:	1.		:	1:	1:		1 1	li
\$0 under \$50,000	4.2				e:.	:	•		6.2	4
\$50,000 under \$150,000	192.4			0	2,488	53.1	98		2,0	
\$150,000 under \$250,000	240.4	11,494	179.1		4,348	86 8.1	1,505		56.8	<u> </u>
\$250,000 under \$500,000	155.85 8.85			- N	5,913	8	1.34			424
\$500,000 under \$1,000,000	26.6			-	8,695	120	£3		2.5	8.
\$5,000,000 or more	2.0			4	3,597	0.5	8		1.70	-
				Types o	of assets - Co	Continued	1			
		- Bonds	Bonds — Continued			Life Insurance	ce equity	Notes 6	Notes and mortgages	<u>*</u>
Size of net worth		Governmen	Government — Continued		7					
	Other	Federal	State	and local	z	Number	Amount	Number	Amount	E C
	Number	Amount	Number	Amount	Į.		į		-	
	(16)	(17)	(18)	(18)		(20)	(21)	<u>2</u>	<u> </u>	6
Total	132.0	10,632	2 100.5	2	9,900	436.7	1,080		308.9	12,823
Negative net worth	1	1 1	· ·		1 1	:	•		:	:
\$0 under \$50,000	1:			-	Ī				0.7	8
\$100,000 under \$150,000	7.17.7	026.		- 0	8 58 4	1608	8		9:0	3,143
\$150,000 under \$250,000.	36.7			<u> </u>	83 6	98.0	3 23		9.0	3,374
\$250,000 under \$500,000	22.4			. 60	1,976	21.8	đ		0.1	2,612
\$1,000,000 under \$5,000,000	12.5	3,067	15.4	₹.	4,590	0. c	92 ec		5.5	2 8
\$5,000,000 or more	0.8	9'			£1 / ' t	7				ſ
		ŗ.	ypes of assets — (- Continued				Estate tax return	91810CS	T
Size of net worth	Real es	estate	Noncorporate business assets	siness	Other	assets	Number	Gross		Net worth
	14	Amount		Amount	Number	Amount	returns			
	NUMBER (AC)	MINOR 1	+	(27)	(28)	62)	(30)	(31)	88	(32)
	(54)	700.07		4 097	883.1	2	28.4	96 273	9.022	8,738
Total	4.14	<u></u>	ā l	ğ l	<u>.</u>	3	,		[]	ı
Negative net worth	9	19.	:	:	*0.5				£. ;	F :
\$50,000 under \$100,000	14.3	1,071	1.0	91.	13.0				ននួ	- 20
\$100,000 under \$150,000	230.6	13,168	8.5	2 2 2 2	2886				928	1,873
\$150,000 under \$250,000	169.0	21,898	22.5	88	204.1				7.	2,118
\$500,000 under \$1,000,000	52.2	10,562	9.6	8 3	65.9			2,084	1.450	597
\$1,000,000 under \$5,000,000	26.8	9006	0.0	¥ 8	2.0	7,221			83,	8
Bound of more services										

*Estimate should be used with caution because of the small number of sample estate tax returns on which it is based. ***Data combined to avoid disclosure of information for specific estate tax returns.
NOTE: Detail may not add to total because of rounding.

Table 10. — TOP WEALTHHOLDERS UNDER 50 YEARS OF AGE, BY SIZE OF NET WORTH, 1976
[All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are in million

	unam do		1						
			Estata I				New York		
	OLON.		;	Number	Amount			1	S S
Total	Ε		(2)	6	3	+	(6)	Number	Amount
Negative net worth		3,619.4	705.785	3 480 7	1	1		(a)	5
\$0 under \$50,000		105.9	16,789	105.0		000	500,438	3,363.0	
\$50,000 under \$100,000		969.3	74.377	9		200	000	95.0	
\$100,000 under \$150.000		888.3	108,770	880		2 6	9	829.0	
\$150,000 under \$250 p.m.		723.2	111 498	25		8 1	66,581	830.2	
\$250,000 impler economic	***************************************	514.9	200	2,0,0		3,787	87.711	674.9	
\$500.000 imdex et mo ono		275.9	115 107	200		5,223	85,858	509.9	
\$1000 000 make et one one		83.0	74 874	3 8		3,781	91,326	2633	
ER OND OND THE SOUNDING		37.7	70'04	23		0,953	63,922	8	
ectodotor of more			4/6,0	37.1		11,864	98,510	37.4	000
			cne'o	-		ğ	6,801	-	:
]				
		1		, ypera	OT ESSETS -	Continued			
Street and mark	1	COLUMN STOCK				Bonds			
•			· ·	Total	-	1			
	Number	, , Amount		-		and S	CENT TOTAL	ð	Government
		:	· · · Number	_	American			Federal	al standards
			-		- I	NG MAN	Amount	1	l
Total	ē	۳	(10)		E	(12)	(12)	and in	Amount
Negative net worth				331.1	22 204	976			3
\$0 under \$50,000				25.7	.242	5	B. 4.	808	1,365
\$50,000 under \$100,000				195.7	513	48 2		-	
\$100,000 under \$150,000		٠.		285	8	9	Š		•
\$150,000 under \$250,000.		497.8	16,991	190.9	888	72	58		217
5250,000 under \$500,000			•	34.7	1,473	72.7	3 2		-
acut, utu under \$1,000,000			: '	95.6	2,219	43.3	. 441	,	
9 , UUU, UU under \$5,000,000				55.0	4,674	29.4	1070		
ap,000,000, or more				24.3	9,976	18.2	286		-
				1.1	1,618	:	:	٠.	
		· #5		Topos	10000 70				
•		Roads	Ronde - Continued		1	Continued			
Size of net worth			The state of the s			Life insurance	ce equity	Notes and	Notes and mortgages
		1	Denutring — Continued			-			
	5	Other Federal	State	the and local	_	Number	Amount	1	•
	Number	Amount	Number	A	Amount				Amount
	(16)	(1)	85		100				
lotte and the second se		7. 88.7		1	- 1	2	(21)	(22)	(23)
Negative net worth			8/:	10.5	8,664	3,114.8	13.724	8228	
50 000		<u> </u>	· T	: :	:	105.9	780	34.0	200
300,000 under \$100,000		1:	1:	: :	:	940.5	4 712	4.40	24
\$100,000 under \$150,000	•			:	:	846.4	3 437	201-	•
		•	_	4.1	165	575.0	1,450	216.4	. ~
				9.7	539	378.5	900,	151.3	
\$500,000 under \$1,000,000		27.4	25	7.0	200	183.2	9 6	1293	· ;
11,000,000 under \$5,000,000				8.2	3,003	3 6	3 8	107.6	3
\$5,000,000 or more		•		8.5	3.943	0000	200	45.4	•
				0.7	515	7.7	9.	80 0	i
			Tunes of seasts	1				I	
Size of not supply	JA		masen in sould	Continued			. Estate	ate tax return sta	distics
	Real	Real estate	Noncorporate business	business	Other	assets			
	Nimber	11000			1		Number of	Gross	Mest second
	(94)	moun	Mumber	Amount	Number	Amount	Summer	estate	
Total	(2)	,	ĝ.	(27)	(28)	(SZ)	(30)	(31)	1991
egative net worth	3,151.0		922.4	43,585	3 460 7				_!
\$0, under \$50,000	8:16		67.9	2.407	103.4			_	88
\$50,000 under \$100,000	820.8	47,185	102.6	3,464	946.2	7.545	154	8	- 13
00,000 under \$150,000	813.5		242.3	6,738	881.2		•		₹.
150,000 under \$250,000			124.0	4,840	657.6				118
50,000 under \$500,000	446.5		210.6	9,305	488.0			,	3
00,000 under \$1,000,000	75.4		124.1	8,751	285.6				7.
\$1,000,000 under \$5,000,000	407	٠.	3.5	4,883	91.3			-	161
Nuovous or more		j.	15.3	2,358	35.4			: :- !	100

Table 11. — TOP WEALTHHOLDERS 50 TO 64 YEARS OF AGE, BY SIZE OF NET WORTH, 1976 (All fourse are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are

Total									П	
Sea of rel worth Inches Amount Inches		Number of	•	8	bts and mort	ages		Τ	lypes or .	ET DECEN
Composes sect Composes sec	Size of net worth	top wealth-	######################################	Numb	9	Amount	Net wo	T	1	1
1977 1978)			(A)			9
Copporte accide Copporte Copport		(1)	2				١	8 735	2769.1	
Componies accide Componies a	Total Dative ret worth	2,878.5 11.6 76.2		891	2,584.0 11.8 76.2	9,04C		1,866	11.8 74.8	
Sea of nat worth Component across Component a	90,000 under \$100,000 100,000 under \$150,000 50,000 under \$150,000	480.5 877.1 761.5		467 1241	758.7 882.7	13,892		9,349 14,572	821.5 745.4	22,31 29,06
Corporate accide Total Corporate accide Total Corporate accide Total Corporate accide Total Corporate accide Total Corporate accide Total Corporate accide Total Corporate accide Total Corporate Corporate Total Corporate Corp	250,000 under \$500,000	457.5 137.7 61.0		5047 8 2	132.5 59.4 4.0	18,301 10,896 13,574 1,870		35,101 36,122 36,073 35,633	138.2 60.1 4.0	9,56 7,70 1,10
Copporate attack Copporate a					Types of	assets — Conf	inued			
State of real worth Number Amount Number		Corporate	9 stock				Bonds			
Number N	Size of net worth			1	otal	δ	rporate and (oreign	Gove	rnment
(e) (e) (e) (fill) (11) (12) (13) (14) (17) (12) (13) (14) (17) (12) (13) (14) (17) (17) (17) (17) (17) (17) (17) (17		Number	Amount	Number	Amount	 	\$	Amount	Federal	1 savings
Calified 189,386 1,224,3 1,174 1,175						+	1	غُوْ	(14)	(15)
2.16		9	(8)		-			10 376	679.7	3
Size of net worth April	Total	2,116.4 5.6	189,388 376			3,68	223.1			c
Size of nat worth Size	Under \$50,000	34.6 323.1	4,427			857	<u>ئ</u> د د	26.	132.1	
Size of net worth Size of net net worth Size of net net net net net net net net net net	100,000 under \$150,000	610.5 574.4	16,713 26,204			26.4 26.4 26.4 26.4 26.4 26.4 26.4 26.4	137.7 155.2	1,525 2,375	242.7 179.0	
	250,000 under \$500,000	381.7	39,004			282	5.6 5.6	1,864 735	25.5	
Size of net worth	1,000,000 under \$5,000,000	56.4 39.4	49,772 19,149			.716 .318	24.4 2.2	1,612 995	9.00	
Size of net worth					Types of	assets — Con	tinued			
Coher Fodoral Continued Charles and local Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number			Bonds —	Continued		_	100	equity	Notes and	mortgages
Coher Federal Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Amount Number Num	Size of net worth		Government	Continued		 :	_			
(16) (17) (18) (20) (21) (22) (22) (23) (24) (25)		₹	Amount	8	ĺδ	ļ	100	Anoun	200	2
166.8 9.824 205.3 14.412 2.35.8 18.700 89.41		(16)	(77)	(18)	(19)		ğ	(21)	(22)	(23)
1.50 1.50	Total	186.8	9,824			::2	2,325.8 10.3	18,780 180		
Size of net worth Size	0 under \$50,000	••9.7 38.1				516	465.3 726.1	4,752	214.5	
Types of nest worth Feet estate Types of assets — Continued Types of assets — Types of assets — Continued Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of assets — Types of a	under \$3 under \$5 under \$1	53.0 48.4 14.5				,286 ,714	326.3 98.8 3.6	3,558 2,610 1,077 747	1891 721 33.1	
Real estate				en of assets —	ontinued			Eg.	ete tax retuin s	distica
Number Amount Amount Amount Number Amount A	Size of net worth	Real est			Biness	Other as	sets	_	Gross	Net worth
(24) (25) (26) (27) (28) (29) (30) (31) (31) (32) (32) (33) (34) (35) (35) (35) (35) (35) (35) (35) (35		Number	Amount		mount	Number	Amount	emuse	estate :	
ord 2,595,8 281,636 717,8 40,556 2,744,3 89,221 22,773 6,812 000 66,0 7,575 14,8 1,022 73,0 631 531 113 5100,000 48,10 28,000 89,5 1,844 472,4 5,368 3,763 591 \$150,000 78,30 3,380 173,5 4,635 825 13,153 7,097 1,164 \$250,000 677,0 64,395 191,0 8,266 433,9 19,547 3,524 1,457 \$150,000 124,5 32,296 57,4 6,761 135,2 3,300 1,059 833 \$45,2 22,481 28,6 7,372 89,4 17,667 4,56 833		(24)	(25)	Н	(27)	(28)	(29)		3	(2)
\$100,000 461.0 26,907.0 81.5 1,864 472.4 5,368 3,763 591 \$100,000 \$100,000 88.5 1,863 13,980 173.5 4,685 882.8 13,163 7,097 1,464 \$100,000 877.0 64,396 191.0 7,001 728.8 14,750 6,281 1,457 \$250,000 877.0 64,396 191.0 8,00 19,547 3,524 1,419 \$800,000 416.0 82,986 57.4 6,781 195.2 9,300 1,059 833 \$81,000,000 43.6 43.6 82,286 57.4 6,781 195.2 9,300 1,059 833 \$82,000,000 43.6 43.6 82.2 82.4 7,372 89.4 17,667 436 833	Total	2,595.8	281,636 1,527	717.8	2,235	2,744.3 11.7	89,221 161			
#\$50,000 416.0 66,594 159.5 8,266 433.9 19,547 3,524 1,416 #\$500,000 124.5 32,286 57.4 6,761 135.2 9,380 1,059 833 #\$1,000,000 124.5 32,286 57.4 6,761 135.2 9,380 1,059 833 ### \$5,000,000 54.2 22,481 28.8 7,372 59.4 17,667 436 883	30 under \$50,000 150,000 under \$100,000 1100,000 under \$150,000	461.0 783.3	7,575 28,900 53,360	14.1 89.5 173.5	A,635	73.0 472.4 825.8	5,368 13,153 14,750			
	150,000 under \$500,000 1500,000 under \$100,000 1500,000 under \$1,000,000	416.0 124.5 54.2	96,594 32,296 22,481	159.5 57.4 28.8	8,266 6,761 7,372	433.9 135.2 59.4	19,547 9,380 17,667			

i,

Table 12. — TOP WEALTHHOLDERS 65 YEARS OF AGE OR OLDER, BY SIZE OF NET WORTH, 1976 Mill figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are in mil

1 1 1 1 1 1 1 1 1 1	(3) 1,626.5 29, (4) 1,13,22, 20, 23, 31, 22, 20, 23, 31, 22, 20, 23, 31, 22, 20, 27, 33, 22, 22, 23, 24, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4	(5) (5) (5) (6) (6) (7) (8) (7) (8) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	Cesh Number A (6)	
1,190.4 1,20.2 1,20.5 1,30.5	(3) 1,828.5 29, (4) 2,02, (2) 2,03, (3) 2,03, (4) 3,03, (4) 3,03, (4) 3,03, (4) 4,03,	(5) (5) (15,718 - 286 (8) 2,046 72,747 (38,481		Amount
1,90,4 64,599 1,520,5 20,077	(4) 1,626.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	(5) 615,718 - 268 69 2,046 72,747 138,461	(9)	
1940 1940	1,626.5 2.0 2.0 2.3 440.4 3.2 440.4 3.2 132.2 132.2 6.2 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	615,718 - 268 69 2,046 72,747 138,461		8
Corporate Stock 1,1 251 2,2 3,507	20 23 440.4 5840.4 372.2 132.3 132.3 62.7 62.7 62.7 64.1 17pps of esserts—C	208 69 2,046 72,747 138,461	1.903.0	112 843
Total worth Total	23.3 440.4 33.2 40.4 37.2 4.1 132.3 62.7 4.1 17pps of essets — C	2,046 72,747 138,481	-	.37
140.00 147.502 568.4	440.4 588.4 358.4 132.3 62.7 4.1 1ypos of essets — C	12,747	2.5	86
142,824 5292 5284 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 4.20.5 5.400 4.1 5.20.5 6.140 6.10.5 6.140 6.1	358.4 4.1 5.6 6.4 122.3 3.6 6.2 7 6.4 4.1 4.1 4.1 4.1 7.00s of essets — C	138,481	7075	2 37
10,000 1	192.2 192.3 192.3 19.7 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8		715.1	37,516
Corporate stock Corporate	42.7 6.4 4.1 4.2 Types of essets — C	142,496	414.0	29,101
Types of assets	Types of essetts—C.	13,403	138.3	13,335
Types of sasets	Types of essets — C.	51,217	3 4	1,896
Corporess stock Tooks To	Total	9		
Number N	Total	1		
Mamber M				
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		Acade disc screening		. Herr
1	Amount	er Amount	8	savings
1455.7 10.03.0 11.13 1			Number	Amount
1.0	(11)	=	Ē	(15)
15.0 25.1 27.2 25.2 25.2 25.2 11.3.1 13.1	92.29	544.8 11,937	. 520.8	9,571
15.0 1.278 25.5 1.914	2	:	•	::
1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,				•15
197, 197, 197, 197, 197, 197, 197, 197,		113.1	154.2	986
1227 41 41 42 42 42 42 42 42				300
1,000 1,00				1,046
Types of assets — Continued Types of assets — Continued Direct Federal Number Direct Worth Number Number Direct Worth Direc				583
of net worth Continued				35
Continued Cont	of asserts —	1		
Characterist		insurance equity	Motor and model	-
Number N				-
18 19 19 19 19 19 19 19	the and local	- Amorata		
(16) (17) (18) (19) (20)	Amount			
1.00	(10)	(20)		
1,123	(19)	<u> </u>	3	(<u>S</u>
1.2 2.9 2.0 4.02 4.0	C59'17			28,171
18.5 2.04 2.04 4.02 35.5	1		* C	8 5
100 100	L			123
1777 3,784 61.1 2,430 2281. 2,430 2281. 2,430 2281. 2,430	1.067			3,538
24.7 5,833 45.7 4,575 73.5	2,430			20,7
24, 5,833 33,0 9,275 33,0 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2 3,128 2,2	4,326			4.433
Types of sesets — Continued Chert essets Cher	9,275	33.8 862	30.8	3,873
Number N	-Continued	L		I.
Number N			Salatie tax return statistics	3
Number N	Other	s Number of	Gross	1
(24) (25) (26) (27) (28) (29) (29) (29) (29) (29) (29) (29) (29	Number	Ė	estate	
1,569.4 167.228 280.5 13,116 1,773.4 72 0.0 140 0.0 31 0.0 1.6 180 190 31 2.0	(38)	(29)	(31)	(32)
1.8 180 1.0 31 2.0	3116	010	1	3
1.8 180 . 1.0 31 2.0		163	25. 25. 26. 26. 26. 26. 26. 26. 26. 26. 26. 26	30,135
				0 60
22.1 1.708 5.4 68 20.6	-	LE T	•	99
579.3 45.65 04.0		κ.		3,057
339.0 43,069 74.0 2,569 397.1	+		٠.	6 837
1152 24.201 32.3 2.206 136.1			•	4,692
3.8 4.399 17.7 2.934		18,158	5,901	5,611
Ave. I for I	AVE LEGIS			3,081

Table 13. -- ALL TOP WEALTHHOLDERS, BY SIZE OF TOTAL ASSETS, 1976

Comment 150,000 Fragment Comment 150,000 Fragment Comment 150,000 Fragment Comment 150,000 Fragment Comment 150,000 Fragment Comment 150,000 Fragment Comment Dates and mortages		1	_	and m	de la constant	1		Types of a	eenegg	
Colorest Colorest		Number of	Total	Ţ	200			§ →	Canal	
Compress Each Compress Each Compress Each Compress Each Compress Each Compress Each Compress Each	Case of tops topora	holders	Contra	-	\$	Amount		7	- 1	- 1
Septiment Composite book 128271 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713 12828 2713		3	(2)	(8	٩	(3)		5)	(6)	Э
1,284,3 36,585 1,271,4 30,525 26,502 2,284,1 1,184,0 1,284,2 1,184,0 1,284,2 1,184,0 1,284,2 1,184,0 1,284,2 1,184,0 1,284,2	Total	8,695.0 319.8		.731 .802	7,883.4 300.8	343	796 948	1,888,933 5,854	8,283.3 284.6	280,784 1,139
1,481,0 499,141 1,987,0 489,641 1,987,0 499,141 1,987,0 489,641 1,987,0 489,641 1,987,0 489,641 1,987,0 489,641 1,987,0 489,641 1,987,0 489,641 1,987,0 1,98	\$50,000 under \$100,000 \$100,000 under \$150,000 \$100,000 under \$150,000	1,266.3 2,437.6		7835 7835	1,207.9 2,131.1	848	268	65,052 265,928	1,159.9 2,324.1 2,383.7	10,658 58,777 86,528
2002 3606 2607	\$250,000 under \$500,000	1,488.0		128	1,367.8	8.6	38	429,538 273,065	1,435.7	95,821 30,353
Types of total seets	\$1,000,000 under \$5,000,000 \$5,000,000 or more	212.1 15.0		100 100 100 100 100 100 100 100 100 100	208.1	828	531 531	317,302 104,683	209.2 15.0	23,210 4,299
Copportis stack Copportis s					Types	of asserts — (Continued			
Total Compress and foreign Compress and foreign Compress and foreign Compress and foreign Compress and foreign Compress and foreign Compress and foreign Compress and foreign Compress Comp		Corporate	stock				Bon			
Part	Size of total assets				Total	\dashv	Corporate as	d foreign	Gowar	ment
Bonds		Number	Amount			_			Federal	savings
Color Federal Color Colo				TO SECOND	2	H		2100	Number	Amount
Sept of 1989 Sept		(8)	9	L	3		(12)	(13)		3
1,000.0 1,192.1 1,19	Total	5,897.6	530,974		<u> </u>	29,650	1,460.8	27,625		17,418
1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,782,7 1,892,9 1,420 43,581 43,581 5,158 82,3 3,149 1,892,1 1,892	50,000 under \$100,000	838.3	7,436			1,382	.98.5	576		
1,183,1 110,860 267,7 22,857 34.5,8 5,96 267,0 142,0 142,0 143,1 5,055 263,0 142,0	1100,000 under \$150,000	1,608.9 1,762.7	41,929 80,280			9,621 17,761	338.6 448.5	9,213 6,30 6		
1983 1985 1420 40,561 61,2	1250,000 under \$500,000	1,183.1 407.9	91,490			22,867 22,809	345.6 143.1	5,056		
Bonds - Continued Life Insurance equity Notes and mortgage	\$1,000,000 under \$5,000,000	188.3 13.9	135,250 63,198			40,561 14,859	81.2 7.4	1,801		
Bonds - Continued Libs insurance equity Notes and mortgage					Types.	Ì	Continued			
Communication Communicatio			Bonds —	Continued			Life insuran	ce equity	Notes and	mortgages
Chiter Federal Number Amount Number Am	Size of total assets		Government	- Continued					:	
Things		Other Fe	deral	State	5		Number	Amount	Number	Amount
Total assets Tota		(16)	(1)	(3)	3	\[\frac{1}{2}	8	(21)	(22)	(23)
1,286, 1	Total	584.7	38,315 —			16,283	6,708. <u>2</u> 319.6	42,287 2,032		
10.0 10.7 10.0 10.5 10.0 10.5 10.0 10.5 10.0 10.5 10.0 10.5 10.0 10.5 10.0 10.5 10.0 10.5	\$50,000 under \$100,000	79.1 78.1	•22 1,389 3,677			28. 28. 28. 28. 28.	1,286.3 1,834.0 1,782.5	9,461 9,461		
Type of assets	150,000 under \$1500,000.	167.8 85.0	6,722 6,408			9.5	975.6 308.9	2,106 3,166 3,166		
Types of sasets		4.8	5,944			6,976	9.6	4	ŀ	
Real estate Namours business Other assets Namber of gross Net v	-		7	se of assets -	Continued				state tax return st	tatletics
Amount A	Size of total assets	Real esta		Noncorporate to	usiness	Othe	r assets	Number o		Nat Worth
(28) (28) (27) (28) (29) (30) (31) (31) (32) (32) (32) (33) (33) (33) (33) (33		Н	Н		Amount	Number	Amount	reums	90000	
7,531,0 770,787 1,989,3 96,726 8,214,8 271,782 118,167 40,987 1,148,6 10,022 118,167 40,987 1,148,6 10,022 118,167 40,989 1,144,5 18,162 118,167 40,989 4272 7,924 2,245,4 32,278 31,867 4,482 2,244,5 18,365 575,7 18,120 2,328,9 44,067 43,168 6,532 2,244,5 18,366 486,2 26,747 1,413,3 56,750 26,550 9,272 406,9 96,563 175,3 17,571 456,9 38,436 8,907 6,160 12,7 21,238 9,0 6,876 14,9 19,627 313 4,508 1,507		H	(25)	(26)	(27)	(28)	(29)	2	<u>ا</u>	
1,144,8 61,022 **20,19 **3,831 1,24,1 12,050 4,008 491 2,144,7 140,689 477.2 7,92,4 2,24,5 32,778 31,697 4,492 2,144,5 183,961 576.7 181,120 2,328,9 44,067 43,138 8,532 1,280 1,280 1,280 1,280 1,280 1,413,3 54,760 28,500 8,272 1,413,3 43,97 6,160 1,413,4 18,42 7,128 9,0 6,852 17,550 12,556 14,9 18,427 313 4,598 1,278 1,278 9,0 6,876 14,9 18,627 313 4,598 4,598	Total	98.7	770,787 4,968	1,969.3	98,728	8,214. 308.				
1,290.5 185,395 1 0,70.7 18,120 2,326.9 40,007 28,550 9,272 186,395 496.2 28,747 1,413.3 58,750 26,550 9,272 406.9 98,563 175.3 17,571 456.9 38,436 8,907 8,160 175.3 17,558 205.8 63,117 4,099 7,376 19,27 21,228 9.0 8,876 14,9 19,827 313 4,598 4,598	\$50,000 under \$100,000 \$100,000 under \$150,000	1,148.6 2,144.7	51,022 140,689	**201.9 427.2	7,924	2245				٠
184.3 75,000 85.2 17,558 20.5 83,117 4,089 7,375 12.7 21.228 8.0 6,876 14.9 19.822 313 4,506	\$150,000 under \$250,000	1,290.5	183,851	496.2	26,747	1,413.				
	\$1,000,000 under \$5,000,000	184.3	25,000 25,000	85.0	17,558	206				

Table 14. — TOP WEALTHHOLDERS, BY AGE AND MARITAL STATUS, 1976

[All figures are estimates based on estate tax return samples — numbers of top wealtholders are in thousands; all money

			Debts and	mortgages						Types of assets	assets				
	Number					Cash	€	Corporate	stock			Ba	8		
Age group and marital status	- Linear	essets	Number	Amount	Net worth			,		Total	- E	Corporate a	and foreign	Government	ment
	holders					Number	Amount	Number	. Amount	Number	Amount	Number	Amount	Federal	divings
	ε	8	6	4	9	(9)	6	9	ē	(40)	1000			Number	Amount
					2	٤	+	E I	(6)	(01)	1	(12)	(23)	(2)	(15)
	0.089.0	2,212,731	7,883.4	343,798	1,868,933	8,283.3	280,784	5,897.6	530,974	3,326.1	128,650	1,460.8	27,625	1,877.7	17,418
Single	6,175.7	1,499,089	5,574.5		1,222,477	5,814.2	163,945	4,138.3	353,218	2,150.2		894.0	15,837	1,224.8	9.068
Widowed	1219.8	391,732	100	,	20,02	7 20.6	29,940	232.6	86.833 8.833	374.9		169.6	2343	280.5	2,802
Other	556.6	148,120	535.7		121,428	547.9	15,272	346.6	3000	2.0.5		28	7,513	822	5,089
nder 50 years, total	3,619.4		3.469.7		500.436	33630	58.554	2180.2	144 805	8			3	5 5	2
Waried	2,804.3	521,768	2,678.1		351,314	2,569.3	39,523	1,657.9	102.816	674.4		2.00	4.0	668.5	1,355
Withward	28.2	•	386.0		65,426	387.3	108'8	282.5	23,343	159.4		76.8	761	118.3	212
Office	386		4.00		28,177	85.7	3,666	48.1	1,251	35.8		15.0	333	19.3	8
O sander Of second detail			3		8 C + C	363./	Š.	1/3.6	17,285	61.5		35.8	478	.19.9	82
Married	7,009.4	743,403 23,750	1,861.2		459,808	1,980.4	63,882	1,498.8	121,945	832.8		340.8	8,178	457.2	3.094
Single	115.9	31,724	20.5	,	104,401	C.700,	28.4	- 2 3 8	0898	603	. •	232.0	3,717	332.2	1,800
Widowed	195.0	56,079	178.0		0000	0.00	000	9 2	20.0	20.00		32.6	8	45.3	575
Opper	118.8	32,841	411.2		28,424	115.2	4,421	8	8,368	25.55			3 8	N 6	28 5 28 5 28 5 28 5
D under 65 years, total	819.3	248,563	722.8		226.928	788.7	33.95	617.7	67 443	7 000					
Warried	596.5	181,517	516.4		164.431	571.4	21,20	457.9	200	276	•	90.0	4,196	222	2,333
Vinge	39.6	699'6	36.0		9,083	39.6	2,643	27.0	1,877	22		3.1	1,801	135.6	86
Other	1.1	44,990	135.7		42,321	139.0	8,100	103.9	10,669	76.0		35.6	ď	1 2 2	3 6
	39.2	12,387	8		11,083	38.7	1,503	28.8	2,502	15.8		8.5	5	80.00	ş 2
5 under 70 years, total	690.5	212,828	575.4		200,546	676.5	36,310	524.0	53,618	354 6		182.9	0000	176.2	1 700
Single	6.15	138,134	350.4		129,509	431.9	20,993	335.8	35,308	219.6		115.4	2252	183	1219
Widowed	186.9	4.0	4 4 5 5 6		14,279	8.3	3,327	43.7	3,879	36.8		15.0	506	28.4	463
Other	8.	9,678	4.		890.6	8	1.811	200	28,5	5.5		45.4	288	5.5	543
0 under 75 years, total	489 5	166 059	4184		15.6 910				3	2		Ö	2	o c	711
Married	2882	84.478	208		20,016	2000	21,62	379.4	453,	20.0		1.75	3,322	137.7	2,487
Single	33.0	10,242	28.5		10.04	300	2,5	200	24,887	3.5		<u> </u>	1,810	75.6	1,276
Widowed	162.4	51,584	146.9		49,606	161.0	10.052	25	12,097	3 8		n q	192	9.0	88
	14.9	9,746	13.3		7,606	14.8	1,008	11.3	4,344	1.8		4.1	5	300	5
5 under 80 years, total	346.0	117,118	289.4		113,167	341.1	22.042	280.1	34 803	7691		ě	7,00	į	
Marrado	161.8	28,622	128.3		57,211	159.0	9,571	122.6	18,708	808		49.8	1.149	9.54	4 C 80
Widowed	1484	16,91	9 5		965,6	<u>ب</u> 8	2,325	2.5	2,415	20.6		8.8	36	13.0	8
Other	8.3	080	7.6		2,833	1 e	200	0 0 0 0 0	12,730	78.0		α α 66	<u> </u>	39.	805
0 under 85 yeers, total	231.3	82.121	194.7		79 740	7 800	44.402			Š	•	3	8	-	R
Married	85.1	31,188	67.2		30,250	82.5	5,088	9	284.0	25.8			656,	88	4
Withmed	21.7	6,798	18.0		6,539	21.4	1,514	16.3	2,172	13.0		9.0	87	, «	3 5
Other	202	41,628	105.7		40,519	118.5	7,578	4.98	12,382	62.5		30.2	8	3.5	687
	2	7.00	<u>.</u>		2,440	ल	88	e e	1,337			4	N	0.8	~
years or more, total	173.1	67,269	148.6		65,439	169.1	10,895	125.1	22,174	97.1		₹ 48.7	1062	484	1 085
Single	18.1	6,760	- 4		15,036	37.8	2,390	87.	4,588	21.4		11.5	275	8.6	ង
Witchest	112.7	43,558	88.7		42.404	10.01	- ACO A	2 8	7,441	12.4		80 8	<u>8</u>	7.0	17
	3.5	1,485	e e		1,439	3.5	255	22	808			90	3	200	8 2
ge unknown, total	256.7	69,585	213.1		66,043	.248.2	13,552	165.3	16.171	117.1		40	6	£ 2.3	2 2
Cincle	28.0	34,159	108.5		31,713	123.8	5,370	98.6	8,237	55.8		X	3 %	8	3 5
Widowed	2 2	67.95	18:5		6,691	22	1,494	14.3	1,961	13.4		53	8	9.0	\$ 55 5 55
Ogre	15.4	4 072			5,6	80 ¢	2,886	55.5	5,114	422	-	17.4	390	80	515
			<u> </u>	B	1/06'6	13.4	3	55.00	828	9.0	I	0	F	.28	۲۱.
FOOTIONS ALL BIND OF UNDER.			-				•				·		•		

Table 14. — TOP WEALTHHOLDERS, BY AGE AND MARITAL STATUS, 1976 — Continued
[All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

						Ţ	pes of esset	5 — Continue	P						Estate t	bax return stat	statistics
		Bonds — C	Continued		Life in	insurance	Notes and	mortgages	Page .	estate	Noncorporate assett	business ts	Other &	spects			
Age group and marital status		Government -	- Continued												Number of	Gross	West worth
	Other	Other Federal	State a	rd local	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount			
	(16)	(17)	(18)	(19)	(50)	(21)	(23)	(23)	(24)	(52)	(56)	(27)	(28)	(53)	(30)	(31)	(35)
Total	L	38,315		`	١٣				7,531.0	• -	_			271.782	_	40,997	37,104
Married					-/						_		4,			22,381	19,416
Single													•			2,878	2,708
Widowed	158.7	12,753	118.5 40.8	12,042 2,437	6329 403.6	1,803	203.6	7,543		48,826	105.5	5,40	541.7	,	3,686	2,291	2,048
Under 50 years, total					•••								.,			1,658	885
Married	8.0	4,717			•											856,	682
Widowed																8	4
Other	.22.	•														2	7.
50 under 60 years, total	124.0															3,526	2,510
Married Simile																18	4
Widowed		1,38														25.5	2 S
Care																9	0 780
60 under 65 years, total																2,633	2,181
Single																5 5	108
Widowed	2.9	4 862														137	116
65 under 70 years, total																4,116	3,756
Married																2,990 8,60 8,60 8,60 8,60 8,60 8,60 8,60 8,6	2,702 2,53
Single	2, 02	1,155														Ş	8
Other																75	<u> </u>
70 under 75 years, total	88	4,416														5,352	4,870
Married																8	8
Widowed	80.0															1,272	1,212
Care																900	4 4
75 under 80 years, total Married	2 6	3,741														3,527	3,346
Single																8 8	86.9
Widowed																5	135
80 under 85 years, total	32.0															7,308	7,084
Married																2,838	2,73 2,73
Widowed																2,970	2,884
Office.																875	98
85 years or more, total	38.															8,754	8,483
Merried	_															38	4. 825 825
Widowed	25.0	2,615														5,485	5,328
Other																8	3
Age unknown, total	8:	27.28														8 4 8 4	389
Single																8	8
Widowed																8 8	<u> </u>
		l	l		1	ı		ı	1		ı	1	ı				

Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

Table 15.— ALL TOP WEALTHHOLDERS, BY STATE OF RESIDENCE, 1976
[All figures are estimates based on estate tax return samples—numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

	Number of		Debts and mortgages	mortgagea		2	Men	Women	3	Types of assets	essets
State of residence	noiders	Total	Number	Amount	Net worth	Number	Net worth	Number	Net worth	Cash	
	3	22	3	<u>\$</u>	(5)	(6)	3	6	9	(30)	3
Total	8,695.0	2,212,730	7,893.4	-{	_]	5,782.0	_[2,912.9	ı	8,283.3	280,78
Alabama	79.9	24,737 5,731	75.0 16.8	4.044	20,693	61.6	13,113	3 18 2 2	7,580	71.7	3,233 A44
Artzona	8.68	20,596	78.5			4.		48.4 48.4		87.1	2,280
Arkansas	63.5	13,816	<u>5</u>			54.0		. 8.5		52.7	1,78
California	807.6	233,003	769.0			420.2		387.4		788.9	28,872
Colorado	128.6	28,729	119.7	5,783	22,967		16,212	သ		128.2	9.1 9 .
Connecticut	176.5	53,745	172.1	5,092	48,653	113.6	28,956	8.28	19,697	167.3	5,503
(Jeaware	3/./	0.938	300	30 575	8,331	3 60	4,943	12.4	3,388	3/.7	1,0/3
Coords	438.9	41 110	156.4	10,070	28,303	1282	18 670	37.0	40,042	1500	10,350
Georgia	108.8		50.	12,017	20,202	122.0	10,078	. 07.0	8,013	0.561	078'0
T9V30	39.0	7,436	33.7	1,548	5,890			7.1	1,803	36.2	498
daho	36.4	8,726	36.0	1,804	6,922			6.6	2,383	34.9	845
INTOIS	704.4	142,284	0,100	0,104	120,110			5 5	30,0	1040	70,0/4
lows	212.8	52,339	187.9	7,027	45,312	132.7	29,454	80.1	15,858	197.7	5,303
		!	<u> </u>			ξ		<u>.</u>	; ;	<u> </u>	
Kanti vsky	107.8	26,519	105.0	4,000	19 220	71.0	19,616	35.0	6,746	107.5	9,032
Louisiana	91.5	24,092	88.3	5,233	10.050	57.7	10,377	33.8	8,482	88.6	2,932
Maine	28.9	8,031	25.0	415	70,000			6.2	3,596	28.9	946
Maryland (includes D.C.)	221.2	49,163	193.8	5,565	7,615	22.7	4,019	77.0	18,857	190.7	6,482
Massachusetts	202.1	50,575	0	•	7,615 7,615 43,598	144.2	4,018 23,741			1979	7,033
Michigan	301.9	74,868	ō.	6,383	7,615 43,598 44,192	22.7 144.2 133.7	4,018 23,741 27,351	68.4	16,84	· · · ·	
Minnesota	175.4	40,310	254.3	6,383	7,615 43,598 44,192 64,771	22.7 144.2 193.7 235.2	4,018 23,741 27,351 47,337	66.7 66.7	17,434	287.7	8,238
Missassippi	83.3	19,711	254.3 158.1	6,383 10,097 5,124	7,615 7,615 43,598 44,192 64,771 35,186	22.7 144.2 133.7 235.2	4,018 23,741 27,351 47,337 24,612	43.5 56.7	17,434 10,574	287.7 173.6	6,238 4,738
MISSOUT	103.3	00,00	70,0 70,0	6,383 10,097 5,124 3,628	7,615 7,615 43,598 44,192 64,771 35,186	22.7 144.2 133.7 235.2 131.8	4,018 23,741 27,351 47,337 24,612 10,006	20.5 43.5 5.5	16,84 17,434 10,574 6,078	287.7 173.6 70.4	6,238 4,738 2,311
Montana	48.0	11,165	254.3 254.3 158.1 70.0	6,383 10,097 5,124 3,628 8,077	7,615 7,615 43,598 44,192 64,771 35,186 16,083 42,288	144.2 133.7 235.2 131.5 52.7 128.2	4,019 23,741 27,351 47,337 47,337 24,612 10,006 29,073	68.4 43.5 55.1	16,841 17,434 10,574 6,078 13,215	287.7 173.6 70.4 161.1	. 8,238 4,738 2,311 5,773
Neverla	27.2	10 051	254.3 70.0 162.2 48.1	6,383 10,097 5,124 3,628 8,077	7,615 7,615 43,598 44,192 64,717 35,186 16,083 42,286 9,145	22.7 144.2 133.7 235.2 131.6 52.7 128.2	4,019 23,741 27,351 47,337 24,612 10,006 29,073 7,202	88.4 86.7 8.1 9.1	16,841 17,434 10,574 6,078 13,215 1,943	173.6 173.6 161.1 45.2	8,238 4,738 2,311 5,773 1,013
New Hampshire	28.8	7.221	254.3 70.0 162.2 162.2 25.7	6,383 10,097 5,124 3,628 8,077 2,020 6,014	7,815 7,815 43,598 44,192 64,771 35,186 116,083 42,288 9,145 9,145	227 144.2 133.7 131.3 131.8 52.7 128.2 40.0 94.5	4,019 23,741 27,351 47,337 24,612 10,006 29,073 7,202 16,925 5,639	68.4 66.7 55.1 20.5 8.1	16,84 17,434 10,574 6,078 13,215 1,943 5,825 3,478	287.7 173.6 173.6 161.1 45.2	8,238 4,738 2,311 5,773 1,013 2,720
New Jersey	321.0	76 585	254.5 700 162.2 162.2 25.7	6,383 10,097 5,124 3,628 8,077 2,020 6,014 3,836	7,915 7,915 43,588 44,192 64,771 35,186 16,083 42,288 9,145 24,749 9,115	22.7 144.2 133.7 235.2 131.8 52.7 128.2 40.9 86.5 86.5	4,019 23,741 27,351 47,337 24,613 20,006 29,073 7,202 18,925 5,639 4,378	68.4 20.5 55.1 17.2	17,434 17,534 10,574 6,078 13,215 1,943 5,825 3,476	287.7 173.6 70.4 161.1 45.2 114.3 28.7	8,238 4,738 2,311 5,773 1,013 2,720 860 2,706
			254.3 254.3 158.1 700.0 162.2 26.1 20.6 277.0	6,383 10,087 5,124 3,628 8,077 2,020 2,020 6,014 3,836 618	7,03-9 7,03-9 7,03-98 43,598 44,192 64,771 64,771 16,063 42,288 9,145 9,145 6,3853	195.6 195.6 196.6 197.6 197.6 195.6 195.6	4,018 23,741 27,351 47,337 24,612 10,006 29,073 7,202 18,926 5,639 4,378	68.4 68.7 43.5 20.5 55.1 17.1 17.1 17.5 17.5 17.5 17.5 17	17,434 17,574 10,574 6,078 13,215 1,943 5,825 3,476 2,226 27,748	287.7 173.6 161.1 161.1 145.2 28.7 28.7 28.7	8,238 4,738 2,311 5,773 1,013 2,720 860 2,206
New Mexico	28.4	, ode	198.3 198.1 198.1 162.2 162.2 109.1 25.7 20.6 277.0	6,383 10,097 5,124 3,628 8,077 2,020 6,014 3,836 618	7,815 7,815 7,815 43,588 44,192 64,771 35,186 16,083 42,288 9,145 24,749 9,115 6,803 65,385	14.2.7 14.2.7 133.7 131.8 131.8 18.5 195.8 195.8	23,741 23,741 27,351 47,337 24,612 10,006 29,073 7,202 18,925 5,639 5,639 37,637	98.4 98.7 43.5 20.5 55.1 8.1 17.9 17.9 125.2	17,434 10,574 10,574 6,078 13,215 1,943 5,825 3,476 2,226 27,749	287.7 173.6 70.4 161.1 45.2 114.3 28.7 305.0	8,238 4,738 2,311 5,773 1,013 2,720 660 2,206 10,889
North Carolina	178.7	8,301	2543 2543 158.1 70.0 162.2 109.1 173.2 20.6 277.0 20.6 277.0	6,383 10,097 5,124 3,628 8,077 2,020 6,014 3,836 618 10,185	7,05-0 7,05-0 7,05-0 43,598 44,192 64,771 35,196 116,063 42,288 9,145 24,749 9,145 6,603 6,603 6,603	134,227 144,227 131,4 131,6 14,0 14,0 15,0 15,0 15,0 15,0 15,0 15,0 15,0 15	23,741 23,741 27,351 47,357 24,612 10,006 29,073 7,202 18,925 5,839 4,378 37,637	88.4 43.5 40.5 55.1 8.1 17.8 8.7 125.2 12.6 20.5	17,434 10,574 10,574 10,578 13,215 5,825 3,478 2,228 27,749	287.7 173.6 161.1 45.2 114.3 26.7 305.0	8,238 4,738 4,738 5,773 1,013 2,720 860 2,208 10,888
North Calculation	48.7	8,301 226,509	2543 2543 158.1 70.0 162.2 109.1 25.7 20.6 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	6,383 10,097 5,124 3,628 8,077 2,020 6,014 3,836 618 10,195 1,464 30,690	7,845 7,845 43,588 44,182 64,719 35,186 9,145 24,749 9,115 6,603 65,385 18,816	13.7 133.7 235.2 235.2 52.7 128.2 188.5 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6	23,741 23,741 27,387 47,337 24,612 10,006 28,073 7,202 18,925 5,639 4,378 37,637 3,107	68.4 68.7 43.5 20.5 55.1 17.8 8.1 17.8 8.7 12.5 28.6 6	17,434 10,574 10,574 13,216 13,216 1,943 5,825 5,825 2,226 2,726 3,730 8,312	287.7 773.6 773.6 161.1 45.2 114.3 28.7 28.7 305.0 36.0	9,238 4,738 2,311 5,773 1,013 2,720 2,206 10,898 1,150 32,754
Chie	376.8	8,301 8,301 228,509 45,204	2543 2543 1581 1622 1622 1081 1081 173 206 277,0 206 277,0 404 404 404 404	6,383 10,097 5,126 3,628 6,077 2,020 6,014 3,836 6,186 1,464 3,680 1,464	7,815 7,815 43,588 44,182 64,771 35,186 116,083 42,288 9,145 24,749 9,115 6,803 65,385 68,385	124,2 144,2 133,7 133,7 121,6 121,7 128,2 186,5 195,0 195,0 195,0 195,0 195,0 195,0 195,0 195,0 195,0 195,0 195,0	23,741 23,741 27,351 47,337 47,337 24,612 10,006 28,073 7,202 16,835 5,839 5,8	88.4 86.7 43.5 20.5 55.1 17.8 8.1 125.2 125.2 285.6 8.8	17,434 10,574 10,574 10,574 13,215 1,943 5,825 2,226 2,226 2,226 2,226 2,226 2,236 2	287.7 173.6 773.6 161.1 45.2 28.7 28.7 28.7 28.7 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1	4,238 4,231 2,311 5,773 1,013 2,720 60 62,206 2,206 10,899 1,150 32,754
	<u> </u>	8,301 8,301 228,509 45,204 10,347 87,982	2543 2543 1581 1622 1622 109.1 2057 2057 2057 2057 2054 173 404 405 405 405 405 405 405 405 405 405	6,383 10,097 5,124 3,628 6,077 2,020 6,071 2,020 6,071 2,020 1,444 3,686 1,484 1,484 1,484 1,484	7,815 7,815 43,588 44,192 64,771 35,186 81,156 81,156 8,115 6,903 6,903 6,903 6,903 6,803 78,781 8,483 78,781 9,483 78,781	22.7 144.2 133.7 133.7 1235.2 128.2 40.9 84.5 195.8 195.8 100.3 10	23,741 23,741 27,351 47,337 47,337 24,612 10,006 29,073 7,202 10,926 5,839 5,839 5,839 37,837 37,837 37,837 37,837 37,837	88.4 88.7 43.5 55.5 55.1 17.8 8.1 12.8 8.8 98.8 98.8	17,434 10,574 10,574 10,574 13,215 1,943 1,943 1,943 2,226 3,476 3,476 1,019 1,726 34,124	287.7 287.7 773.6 773.6 161.1 45.2 26.7 26.7 26.0 26.0 26.4 42.1 42.1 354.9	8,238 4,738 4,738 1,013 1,013 2,720 660 2,206 10,689 11,150 32,754 5,017 1,150 32,754
Oklahoma	137.7	45,204 10,347 87,992	2543 2543 2543 158.1 168.2 162.2 48.1 109.1 25.7 20.6 277.0 17.3 804.1 145.4 40.6 342.8	6,383 10,097 5,124 5,124 3,628 8,077 2,020 6,014 6,014 1,464 3,186 7,385 7,385 7,385 7,385 8,188	7,8,598 7,8,15,2588 44,192 64,7192 64,7193 11,063 412,748 9,115 6,903 65,385 65,385 78,784 9,463 78,784	22.7 144.2 133.7 133.7 1235.2 1275.2 128.2 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	23,741 23,741 27,351 47,337 24,612 10,006 28,073 7,202 18,925 5,839 4,378 37,837 31,637 10,507 23,799 4,578	86.74 66.74 66.74 65.71 65.71 17.71 17.71 17.71 17.72 17.83 17.84	17,434 10,574 6,076 6,076 13,215 1,943 5,826 2,226 2,277 3,730 3,730 86,312 14,011 1,786 34,124	287.7 287.7 173.6 703.6 161.1 14.3 26.7 26.7 305.0 154.0 154.0 354.0	4,738 4,738 2,311 5,773 1,013 2,720 860 10,888 1,150 32,755 32,754 1,183 1,183 1,183
Cregori	3636	8,301 226,509 45,204 10,347 87,982	2543 2543 1581 1681 1682 1682 1682 277 2057 2057 2070 2770 40.6 342.8 40.6 342.8	6,383 16,287 5,1287 5,1287 5,1287 8,077 2,020 6,014 6,014 3,836 6,188 11,185 1,845 1,885 1,885 1,884 1,885	7,845 7,845 43,588 44,182 64,719 64,719 35,186 9,115 6,603 6,603 6,837 185,819 185,819 185,819 185,819 185,819	1227 1442 2352 133.7 128.2 128.2 128.2 128.2 128.2 128.2 121.7 121.7 121.7 121.7 121.7 121.7 121.7 121.7 121.7 121.7	23,741 23,741 27,351 47,337 24,612 10,006 28,073 7,202 18,926 5,839 5,839 5,839 5,839 6,738 37,837 3	86.74 66.74 66.74 65.75 65.71 67.71 17.86 67.28 68.73	17,494 17,494 6,078 6,078 13,216 1,943 5,826 2,740 2,740 3,730 86,312 1,726 34,124	287.7 287.7 173.6 70.4 45.2 114.3 28.7 36.0 28.4 981.6 125.2	4,738 4,738 2,311 5,773 2,720 2,720 980 10,898 1,150 32,754 5,017 1,183 13,728
Tennsylvania	0000	8,301 226,509 45,204 10,347 87,982 40,781 21,251	2543 2543 2543 758.1 768.1 162.2 26.6 277.0 277.	6,383 10,097 5,124 3,628 6,077 2,020 6,077 2,020 6,077 2,020 6,077 2,020 1,444 3,090 1,484 1,484 1,484 1,188	7,845, 7,845, 43,588 44,182 64,719 35,186 116,083 42,286 8,115 6,903 65,385 65,385 65,385 65,385 78,748 9,463 78,748	124,2 144,2 133,7 133,7 1235,2 1235,2 123,7 123,7 123,7 121,	4,019 23,741 27,351 47,337 47,337 24,612 10,006 29,073 7,202 10,006 29,073 1,007 10,507 10,507 10,507 10,507 10,508	88.4 88.4 43.5 25.1 17.1 17.1 17.1 17.1 17.1 17.1 18.1 18	17,434 6,074 6,074 13,215 13,215 1,943 1,943 1,943 2,226 3,476 3,478 3,4	287.7 287.7 773.6 773.6 161.1 161.1 161.2 28.7 305.0 28.7 305.0 30	8,238 4,738 4,738 5,773 1,013 2,720 660 2,206 10,889 1,160 32,754 1,183 13,728 4,885
South Carolina	87.B	8,301 226,509 45,204 10,347 87,992 40,781 21,251 80,202	2543 2543 2543 2543 1581 1622 1622 257 206 277,0 206 277,0 2	6,383 16,287 5,1297 5,1297 5,127 3,628 6,077 2,020 6,014 6,186 11,484 0,186 1,884 9,188 1,781 1,781 1,781 1,781	7,815 7,815 43,588 44,192 64,717 35,186 9,145 24,748 9,145 6,603 6,603 65,385 65,385 65,385 70,181 9,741 9,463 7,744	1227 1442 2352 1337 1218 1218 1217 1217 1217 1217 1217 121	23,741 23,741 27,351 27,351 24,612 10,006 29,073 7,202 10,506 5,839 4,378 37,837 37,837 37,837 37,837 37,837 37,837 109,507 109,507 109,507 129,789 6,788 6,788 6,788 6,788	8674 6674 6674 6575 6575 6575 6575 6575 6	17,434 10,574 10,574 10,574 13,215 13,215 1,943 5,826 2,226 2,226 2,227 3,730 8,373 14,019 1,786 34,124 14,019 1,786 34,124 13,231 14,019 1,786 34,124 14,019 1,786 34,124 14,019 1,786 34,124 14,019	287.7 173.6 173.6 161.1 45.2 143.3 26.7 36.10 195.4 911.5 36.11	4,738 4,738 4,738 5,773 1,013 2,720 2,200 2,200 10,889 11,183 11,183 11,183 11,183 11,183 11,183 11,183 11,183
		9,300 8,301 226,509 45,204 10,347 87,982 40,781 21,251 80,202 5,534	2543 2543 700 700 102 108 112 206 277 207 277 277 277 277 277 277 277 277	6,383 16,283 5,124 5,124 6,077 2,020 6,014 6,014 3,836 6,186 11,484 9,188 9,198 17,335 1,285 1,2	7,845 7,845 43,588 44,182 64,771 35,186 9,145 24,749 9,115 6,693 65,385 65,385 65,385 76,784 9,781 9,7	1227 1442 2352 131,6 131,6 131,6 131,6 131,6 132,7 121,7 131,6 131,6 131,7 131	23,741 23,741 27,351 27,351 27,351 24,612 10,006 28,073 7,202 18,926 5,839 5,839 5,837 37,837	68.4 68.4 43.5 55.1 12.6 12.8 6.7 12.8 8 12.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9.8 9	17,494 17,494 16,078 13,216 13,216 1,943 5,826 27,749 27,749 3,730 86,312 1,726 34,124 11,261	287.7 287.7 173.6 101.1 45.2 147.3 28.7 36.0 28.4 98.1 94.9 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98	4,738 4,738 4,738 5,773 1,013 2,720 2,208 10,888 10,888 10,888 11,150 32,754 1,183 11,1728 4,885 2,754 4,885 2,754 4,885 2,754
South Dakota	51.7	63,000 8,301 228,509 45,704 10,347 87,982 40,781 21,251 90,202 5,534	2543 2543 2543 700 1622 46.1 108.1 108.1 25.7 277.0 27	6,383 16,283 5,1297 5,1297 5,128 8,077 2,020 6,014 3,836 6,18 10,195 1,464 9,188 11,173 1,791 9,791 9,791	7,8,659 7,8,659 43,588 44,192 64,771 35,186 8,145 6,903 6,903 6,903 7,818 6,803 7,818 7,81	122.7 144.2 133.7 133.7 123.7	23,741 23,741 27,351 47,337 24,612 10,006 29,073 7,202 16,925 5,839 5,839 6,789 37,637 10,507 21,789 6,786 44,670 16,358 11,358 11,358 11,597 511,597	68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	17,494 17,494 10,574 6,076 13,216 13,216 2,286 27,749 3,478 3,478 3,478 14,019 1,76 1,76 1,76 1,76 1,76 1,76 1,76 1,76	287.7 287.7 773.6 773.6 161.1 45.2 114.3 28.7 305.0 42.1 125.3 91.4 91.4 91.4 91.4 91.4 94.6	8,238 4,738 4,738 5,773 1,013 2,720 2,600 2,206 10,896 10,896 11,150 32,754 11,163 11,163 11,163 12,072 14,665 12,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 14,002 2,733 2,754
Tennessee	135.2	8,301 228,509 45,204 10,347 10,781 21,251 90,251 19,080	2543 2543 2543 2543 2563 1622 2667 2770 2770 2770 2770 2770 2770 2	6,383 10,097 5,1967 5,128 8,077 2,020 6,014 3,836 618 618 11,195 1,781 1,781 9,280 913 9,732 9,732 1,781	7,8,559 7,8,659 7,8,659 7,8,659 44,192 64,719 35,186 9,145 6,903 65,385 65,385 65,385 78,784 29,609 19,461	22.7 144.2 133.7 133.7 1235.2 128.2 128.2 128.2 195.8 103.9 103.9 103.9 121.7 121.7 138.9 121.7	4,019 23,71 27,351 47,337 24,612 10,006 29,073 7,202 18,925 5,639 4,378 37,637 37,637 37,637 109,507 10,507 11,358 44,870 11,358 44,870 11,358 112,907 11,358	86.4 86.4 43.5 20.1 8.1 12.1 1	17,434 10,574 10,574 10,574 13,215 1,943 1,943 1,943 1,943 1,1943 1,726 34,724 14,019 1,726 34,126 14,019 1,726 34,126 36,126 36	287.7 287.7 773.6 773.6 161.1 161.1 161.1 161.1 161.1 28.7 305.0 28.7 305.0 28.7 305.0 305	4,738 4,738 4,738 5,773 1,013 2,720 2,720 2,206 10,899 11,150 2,754 5,017 1,163 1,16
Texas	408.7	8,301 228,509 45,204 10,347 87,982 40,781 21,251 80,202 5,534 19,060	2543 2543 700 700 102 108 108 17 206 17 27 27 27 27 27 27 27 28 27 27 28 27 27 28 27 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	6,383 5,1287 5,1287 5,1287 6,077 2,020 6,014 6,014 6,186 1,484 9,188 9,188 1,781 1,781 1,781 1,781 1,781 1,781	7,815 7,815 43,588 44,192 64,719 64,719 35,186 9,145 6,603 65,385 65,385 65,385 78,186 9,78,18 9,78,18 9,78,18 9,82 10,825 11,538	194.1 194.2 194.2 194.0 194.0 195.0	23,741 23,741 27,351 27,351 47,337 24,612 10,006 29,073 7,202 16,895 5,895 9,4378 37,837 37,8	8674 6674 6674 6674 6775 6777 6777 6777 6	17,494 17,494 6,078 6,078 13,216 13,216 1,943 5,826 3,478 27,749 3,739 86,312 1,726 34,124 11,261 11	287.7 173.6 173.6 161.1 145.2 147.3 26.7 36.0 36.1 125.3 125	4,738 4,738 4,739 1,013 2,720 2,720 2,720 1,160 3,2754 1,183
Utah	36.6	8,301 226,509 45,204 10,347 87,982 40,781 21,251 90,202 5,534 19,060 12,242 31,372	2543 2543 2543 2543 2563 1682 267 277.0 27	6,383 16,087 5,1087 5,1087 5,1087 6,014 6,014 6,014 6,014 6,014 6,014 6,101 1,464 9,186 9,136 1,781 1,	7,845 7,845 43,588 44,192 64,719 35,186 116,083 42,749 9,115 6,903 65,385 65,385 65,385 78,784 9,483 78,788 9,583	22.7 144.2 133.7 133.7 123.5 123.7 123.7 123.7 123.7 123.7 123.7 124.0 1	23,741 23,741 27,351 47,337 24,612 10,006 29,073 7,202 18,925 5,839 5,839 37,637 37,637 37,637 10,550 11,536 44,870 11,546 11,54	98.4 98.4	17,494 10,574 6,076 13,216 13,216 1,943 1,943 3,472 3,	287.7 287.7 773.6 773.6 161.1 161.1 161.1 161.1 161.1 287.7 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	4,738 4,738 5,773 1,013 2,731 1,013 2,720 2,206 10,899 10,899 10,899 11,150 32,754 1,160 13,728 4,885 13,728 14,022 14,022 14,022 14,023 14,022 14,023 14,03
Vermont	0.4	8,300 8,301 228,509 45,204 45,204 10,347 87,982 40,781 21,251 80,202 5,534 19,060 12,242 113,724 7,184	2542 2543 2543 2543 264 265 206 206 206 206 206 206 206 206 206 206	6,383 10,097 5,1247 5,1247 5,1247 3,628 8,077 2,020 6,014 4,044 3,836 618 618 618 618 618 618 618 618 618 61	7,845 7,845 43,588 44,192 64,717 64,719 64,719 66,903 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385 65,385	1227 1442 131,6 131,6 131,6 131,6 131,6 131,6 131,6 131,6 131,7 13	23,741 27,351 27,351 27,351 27,351 24,612 10,006 29,073 7,202 16,825 5,839 4,4378 37,837 37,837 37,837 10,946 112,907 10,946 112,907 10,946 10	8674 6674 6674 6674 6674 6674 6674 6674	17,434 10,574 6,078 6,078 13,215 1,943 5,825 3,476 2,226 2,226 2,226 2,226 3,730 86,312 14,019 1,726 34,124 13,251 13,251 13,251 13,251 14,019 1,726 34,124 13,251 14,019 1,726 34,124 13,251 13,251 13,251 13,251 14,019 15,544 1	287.7 173.6 173.6 161.1 145.2 181.3 28.7 36.0 192.4 293.2 29	4,738 4,738 4,738 1,013 2,720 2,720 60 10,899 1,150 3,774 5,017 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183
	3100	8,300 8,301 228,509 45,204 10,347 87,882 40,781 80,251 80,252 80,253 11,254 11,260 11,244 11,244 11,244 11,244 11,244	2543 2543 2543 2543 2563 266 266 2770 2770 2770 2770 2770 2770 2	6,383 6,383 5,124 5,124 6,077 2,020 6,014 6,014 6,014 6,185 10,185 1,464 1,684 1,684 1,684 1,885 1,173 1,785 1,885 1,884	7,8,559 7,8,659 7,8,659 7,8,659 43,588 44,192 64,777 35,196 116,083 42,298 8,145 6,933 66,933 66,933 66,933 7,818 8,145 6,933 7,818 8,145 7,7,818 8,145 10,153 10,162 11,53 10,162 10,162 25,162 25,162 25,162 3,633	1227 1442 133.7 133.7 1235.2 131.6 152.7 128.2 128.2 195.6 103.9 103.9 121.7 1	23,741 23,741 27,351 47,337 24,612 10,006 28,073 7,202 18,925 5,839 5,839 5,839 6,738 37,637 10,507 23,789 6,738 44,670 116,358 112,307 51,513 51,513 11,381 11,381 11,381 11,381 11,381 11,381 11,381 11,381	68.4 68.7 68.7 68.7 68.7 68.7 68.7 68.7 68.7	17,494 17,494 6,076 6,077 6,078 13,216 2,226 27,749 3,730 86,312 14,019 11,019	287.7 287.7 173.6 703.6 161.1 45.2 28.7 305.0 364.0 961.6 364.0 961.1 364.0 961.1 364.0 961.1 364.0 961.1 364.0 961.1 364.0 961.1 162.2 961.1 96	4,738 4,738 4,738 1,013 2,720 2,720 2,720 1,150 32,754 1,160 32,754 1,160 1,160 1,160 1,1728
	230.0	8,304 45,204 10,347 87,982 40,781 90,202 40,781 90,202 11,251 90,202 11,242 11,	2543 2543 2543 2543 2563 1081 1081 257 206 277 207 207 207 207 207 207 207 207 207	6,383 16,383 10,097 5,1297 5,1297 6,014 3,628 6,014 3,636 6,186 6,186 11,173 1,781 1,781 9,138 9,133 9,712 1,417 6,190 23,210 608 9,347 1,417 6,190	7,8,65 7,8,65 7,8,65 43,588 44,192 64,719 64,719 9,145 6,903 65,385 65,3	124.2 144.2 133.7 133.7 1235.2 1235.2 1235.2 123.7 123.7 123.7 123.7 123.7 123.7 123.7 123.7 123.7 124.0 104.1 104	4,019 23,711 27,351 47,337 47,337 47,337 24,612 10,006 29,073 5,839 5,839 5,839 6,738 44,370 16,507 16,507 16,507 16,508 112,907 16,551 12,907 17,381 112,907	68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	17,434 6,078 6,078 13,215 1,943 1,943 1,943 2,226 3,478 3,478 3,478 3,478 14,019 3,726 3,1726	287.7 287.7 773.6 773.6 161.1 161.1 161.1 161.2 28.7 36.0 91.4 91.4 91.4 91.4 91.4 91.4 91.4 91.4	4,738 4,739 1,013 2,773 2,773 2,773 2,720 2,720 2,206 10,899 1,150 3,2754 5,017 1,183 14,002 2,173 14,002 2,173 14,002 2,173 14,002 1,183
Virginia	20.0	8,300 8,301 228,509 45,204 45,204 10,347 87,982 40,781 21,251 10,202 5,534 119,960 112,242 113,724 113	2543 2543 2543 2643 2643 1682 2770 2770 2770 2770 2770 2770 2770 27	6,383 16,283 1,097 5,129 6,077 2,020 6,077 2,020 6,077 2,020 7,385 1,484 9,188 9,260 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188 9,188	7,845 7,845 43,588 44,192 64,719 64,719 64,719 11,083 42,748 9,145 65,38	194,0 194,0 194,0 194,0 194,0 195,0	23,741 23,741 27,351 27,351 27,351 24,612 10,006 29,073 2,607 37,637 37,	6674 6674 6674 6674 674 674 6777 6777 6	17,494 17,494 10,774 10,074 10,074 13,216 13,216 27,749 3,739 86,312 27,749 3,739 1,726 34,124 11,726 34,124 34,12	287.7 287.7 173.6 101.1 145.2 145.2 26.4 26.6 26.6 26.6 26.6 26.6 26.6 26	4,738 4,738 4,739 1,013 2,720 2,720 10,899 11,160 3,072 4,085 2,771 14,002 2,788 14,002 2,788 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183 1,183
Virginia Washington		8,304 8,304 10,285,509 10,247 87,982 40,781 10,247 87,982 10,251 80,251 10,080 12,251 113,724 113,724 113,724 31,372 21,724 31,372 31,3	2543 2543 2543 2543 2567 2667 2677 2677 2677 2677 2677 2677	6,383 10,097 5,1097 5,129 6,014 6,014 6,014 3,836 6,118 110,195 11,191 1,791 1	7,6,675 7,6,675 7,6,675 7,6,675 43,588 44,192 64,153 112,083 42,274 9,115 6,903 6,903 6,903 78,794 7	22.7 144.2 133.7 133.7 123.5 123.5 123.7 1	23,741 23,741 27,351 47,337 24,612 10,006 29,073 7,202 16,925 5,839 5,839 6,736 6,736 6,736 6,736 6,736 11,500	86.74 86	17,494 10,574 6,076 13,216 13,216 2,226 27,749 3,472 3,472 3,472 3,472 3,472 1,729 3,472 1,729 3,472 1,729 3,472 1,729 3,472 1,729 3,472 1,729 3,472 1,729 1	287.7 287.7 773.6 773.6 45.2 114.3 28.7 28.7 305.6 91.4 398.9 91.4 398.9 91.4 398.9 91.4 398.9 112.4 42.7 112.4 43.7 112.4 113.7 113	4,738 4,738 4,739 1,101 2,773 1,150 2,206 10,896 10,896 10,896 10,896 10,896 1,150 1,160 1,160 2,733 14,002 2,733 14,002 1,1728 1,185 1,195 2,171 1,195 1,19
Virginia Washington West Virginia	2	8,300 8,301 228,509 45,204 45,204 40,781 21,251 80,202 5,534 19,060 12,242 113,724 113	2543 2543 7561 7561 7561 7561 7561 7561 7561 7561	6,383 10,097 5,127 5,127 6,077 2,020 6,014 6,014 6,014 1,464 3,836 618 618 618 618 618 618 618 618 618 61	7,845 7,845 43,588 44,192 64,719 64,719 64,719 65,385 65,3	1227 1242 1235.2 1235.2 1235.2 1235.2 1235.2 1236.2	23,741 23,741 27,351 27,351 27,351 24,612 10,006 29,073 2,073 2,073 37,837 37,837 37,837 37,837 37,837 37,837 37,837 109,507 109,507 12,907 11,290	68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	17,494 17,494 1,078 1,078 1,078 1,078 1,078 1,078 1,078 1,078 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 3,478 1,786 1,78	287.7 287.7 173.6 101.1 45.2 28.4 28.7 36.0 35.0 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 125.3 36.1 36.1 36.1 36.1 36.1 36.1 36.1 36	4,738 4,738 4,738 1,013 2,720 2,720 10,899 10,899 11,183 14,002 2,731 14,002 2,731 14,002 1,183 14,002 1,183
Virginia	233.3	8,300 8,300 1288,500 10,542 87,982 40,781 87,982 10,242 11,251 10,000 11,242 11,272 11,372 11	2543 2543 2543 2543 2543 2543 264 264 264 264 264 264 264 264 264 264	6,383 6,383 5,1287 5,1287 5,1287 6,077 2,020 6,014 6,014 1,464 3,836 6,186 11,173 1,735 1,884 1,884 1,884 1,884 1,884 1,447 1,857 1,417 1,	7,6,659 7,6,659 7,6,659 7,6,659 7,6,659 7,6,659 7,6,659 8,145 8,14	124,2 144,2 1235	23,741 23,741 27,351 47,337 24,612 10,006 28,073 7,202 16,925 5,839 5,839 6,738 6,73	68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4	17,494 17,494 16,076 13,216 13,216 13,216 2,226 27,749 3,730 86,312 14,019 11,769 11,7	287.77 287.77 173.6 703.6 161.1 45.2 28.7 305.0 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 364.0 91.1 91.2 91.2 91.2 91.2 91.2 91.2 91.2	4,738 4,738 1,1013 2,720 10,898 10,898 10,898 11,150 32,754 4,885 12,733 14,002 13,728 14,002 11,193 14,002 16,185 11,183 11,183 11,183 11,183 11,183 11,183 11,183 11,183 11,183 11,183
Virginia Washington West Virginia West Virginia Wisconsin Wiyoming	233.3 35.2	8,300 8,301 228,509 10,347 87,982 40,781 90,202 40,781 12,51 90,202 11,372 11,3	2543 2543 2543 2543 2643 2667 2670 2770 2770 2770 2770 2770 2770	6,383 16,383 10,097 5,124 6,014 3,028 8,077 2,020 6,014 3,038 6,118 11,173 1,781 1,7	7,8,659 7,8,65	124.2.7 124.2.7 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1235.2.1 1245.1 1	23,741 27,351 27,351 27,351 27,351 27,352 10,006 29,073 7,202 10,906 5,839 5,839 37,837 37,837 37,837 10,507 10,507 10,507 11,207 11,207 11,207 11,207 11,207 11,207 11,207 11,207 11,207 11,208 2,109 2,109 2,109 11,207 1	68.4 68.4	17,494 17,494 6,078 6,078 13,215 1,943 1,943 1,943 3,478 3,478 3,478 3,478 3,478 3,478 3,478 3,478 3,478 1,019 1,019 1,019 1,019 1,019 2,513 2,513 2,513 2,513 1,251 1,251 1,252 1,263 1,2	287.7 287.7 773.6 773.6 161.1 161.1 161.1 161.1 161.1 161.1 28.7 36.0 36.0 36.0 36.0 36.0 36.0 36.0 36.0	4,738 4,738 4,738 1,013 2,720 2,720 2,720 2,200 10,889 10,889 1,180 2,173 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,174 1,180 2,180 1,18

Table 15.—ALL TOP WEALTHHOLDERS, BY STATE OF RESIDENCE, 1976 — Continued

[All figures are estimates based on estate tax return samples — numbers of top wealthholders are in thousands; all money amounts are in millions of dollars]

Amount Number Am						Types or agents	A COURTING				
Charlow Amount	State of residence	Corporate	stock	Bon	S	Ufe ineura	noe equity	Notes and	попрадее	Regi	etate
1/20 1/20		Number	Amount	Number	Amount	Number	Amount		Amount	Number	
Color Colo		(12)	(13)		(19)	(10)	23	(18)	(19)	(20)	
10.000 1	Alahama	0,097.0	500,976 500,976	3,326.1	129,048	9. 20. 20. 20. 20. 20.	42,280	2,404.4	87,724	7,531.0	
1,000 1,000 2,000 1,00	Alaska	13.1	1,583	<u>د</u> د <u>د</u>	38	13.3	8	0.0 2.14	314	17.6	
100 100	Arizona	75.0	5,399	29.3	1,23	80.2	205	<u>\$</u>	1,284	24.5	
	Arkanaaa	28.5		15.0	588	53.3	210		1.076	8	
17.1 17.00 10.00	California	559.6	62,062	291.1	12,047	525.4	2,319	319.3	11,500	056.5	
142.4 17560 1261 1262	Cohometo	7	A 8	5	1	8	A 300	£	R R	i i	
26.591 17.5 13.300 24.6 20.00 17.0 2.59 38.7 2.59 38.7 2.59 17.5 38.7 2.59 3	Connecticut	143.4	17,952	91.0	3,521	133.4	1,083	38.0	<u>.</u>	147.2	
800 1770 1770 1770 1770 1770 1770 1770 1	Delaware	28	2,631	12.8	. 900	24.6	206	10.2	915	30.7	
24.7 2844 14.4 82 38.1 208 3.1 198 37.7 17.8 19.2 17.8 1	Georgia	839	8,786	47.6	1.864	136.9	1,233	39.0	1.948	136.7	
200 200			1				L	. ;	i i		
2,236 2,236	TOWAS	24.7	8	1	92	36.1	20	9.1	8	37.7	4,191
124.0 140.0 170.0 180.	ORIO	271.0	27,383		7 021	31.0	3 170	17.5	9	3.5	3,444
124.0 125.		113.0	0.73	87.0	1,021		1,70				* o'./o'
83.8 5.388 83.3 1,447 89.8 624 44.7 1,234 133.7 135.3 145.4 135.5	648	124.9	4,518	87.0	1,080	167.8	715	0 5.0	2,316	200.0	29,544
75.588 75	•			!		1					
210 0428	Kanasa	3 53	5,386 7,663	26.5	1,447	99.8 2.8	524	14.7	1.234	133.7	16,868
14.0 3.410 13.1 74.6 21.7 16.6 7.7 21.9 24.9 14.9	Louisiana	85.9	6,226	37.3	1,454	9.20	347	36.	1,486	84.8	9,775
13.4. 9,891 111.0 3333 178.4 1,176 42.9 1,989 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.2 193.3 193.2 193.2 193.3 193.2 193.3 193.2 193.3 193.2 193.3 193.2 193.3 19	:	21.0	3,410	13.1	745	21.7	8	7.7	218	24.9	1,901
154.2 15954 70.4 15955 17956	(includes	148.4	9,891	111.0	3,333	176.4	1,176	42.8	1,968	193.2	16,664
200.7 10,099 95.7 4,559 253.2 1,712 91.7 30.72 282.4 44.4 2,578 11.0 42.3 42.5	Massachusetts.	154.2	15,954	70.4	2,642	156.0	1,080	33.4	1,314	160.3	12,929
10.0 10.0	WDC7WGM7	32	10,088	76.7	4,000	203.0	1,712	81./	3,0/2	282.4	22,578
118.8 13,865 76.3 2,866 152.8 866 58.4 2,802 157.0 38.7 2,064 13.1 303 40.2 176 14.9 586 102.7 78.4 4.852 45.0 1,863 20.5 14.9 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 21.44 18.7 2.23 20.8 20.8 21.44 18.7 2.23 20.8 20.8 21.44 18.7 2.23 20.8 20.8 20.8 20.8 20.8 20.8 20.8 20.8	Mineteckei	10.1	9,163		400	2 6	2	A	, ico	7 P. S	0,772
35.7 2.064 13.1 303 40.2 175 14.9 566 40.9 77.4 4.632 45.0 1,850 20.5 24.4 18.7 2,230 20.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,566 102.7 1,567 2,23 22.3 1,567 1,48 1,567 1,74 1,627 27.8 1,687 1,74 1,12 33.4 22.3 1,686 77.0 11.1 33.4 23.1 1,410 12.2 29.1 19.7 11.1 33.4 23.1 1,410 12.2 29.1 19.0 71.8 5.077 20.2 89.2 23.2 19.2 29.82 190.5 29.82 190.5 39.2 29.82 190.5 39.2 29.2 190.5 39.2 29.2<	Missouri	116.8	13,695	75.3	2,589	152.8	989	58.4	2,802	167.0	16,723
78.4 4.682 13.1 3.03 40.2 178 14.9 566 40.9 16.7 4.693 12.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9				;	1		1				
15.7 4.560 10.0 1050 20.5 44 18.7 2.230 24.0 22.0	Mortiana	35.7 78.4	2.084	45.0	1.319	97.2 97.2	17 6 52 6	14.9 32.8	1.588	102.7	4,510 13,601
24.2 1,883 9.2 230.8 21.5 147 7.4 182 22.3 15.6 1,707 10.2 443 15.6 71 11.1 334 23.5 276.1 15.8 1,707 10.2 443 15.6 71 11.1 334 23.1 15.67 422.4 19,718 718.4 5,077 202.8 6,086 720.3 11.597 422.4 19,718 718.4 5,077 202.8 6,086 720.3 38.3 11.410 12.3 291.3 291.4 19.25 197.9 881 58.5 2.382 190.5 274.4 2.284 28.4 19.25 197.9 881 58.5 2.382 190.5 274.4 2.285 28.1 198.6 109.7 881 35.9 1,286 190.5 274.4 2.285 19	Nevada	15.7	4,580	10.0	1,850	20.6	1	18.7	2,230	24.0	2,313
230.8 21,434 178.6 6,056 274.1 2,008 74.8 2,597 276.1 15.8 17.07 10.2 443 115.6 77 202.8 6,066 77 202.8 6,069 72.3 11.597 42.9 1,225 197.18 716.4 5,077 202.8 6,069 720.3 33.1 1,597 42.9 1,225 197.9 651 59.5 2,382 100.5 294.8 244.8 24.8 270 38.4 72.9 151.4 4,028 297.9 1,894 74.8 1,810 316.2 277.0 10,425 25.1 960 100.7 881 35.9 1,265 134.9 61.4 4,559 25.9 1,189 60.8 347 44.3 1,575 81.5 12.3 1,432 14.1 377 27.2 25.5 34.7 44.3 1,575 81.5 12.3 1,432 14.1 377 27.2 25.5 34. 94. 304.7 43.3 1,575 81.5 12.2 14.1 377.2 22.5 34.9 10.9 22.1 14.1 377 27.2 25.5 34. 94. 304.7 43.3 1,575 81.5 12.2 23.249 123.2 6,802 309.2 13.5 682 112.1 64.9 23.1 22.2 23.249 123.2 6,802 309.5 13.1 12.1 64.9 23.1 12.2 28.29 14.2 29.29 14.3 16.2 309.5 13.1 16.3 16.2 23.1 16.2 23.1	New Hampshire	24.2	1,983	9.2	303	21.5	147	7.4	192	22.3	1,636
15.8 1,707 10.2 443 15.6 71 11.1 334 23.1 648.9 68.987 42.4 19,718 718.4 5.077 20.2 6.06.8 720.3 11.597 42.9 1.925 137.9 681 58.5 2.38.2 120.3 33.1 1.410 12.3 201 38.4 189 58.5 2.38.2 120.3 33.1 1.410 12.3 201 38.4 189 7.2 25.7 38.2 151.4 4.028 297.9 1.884 74.8 1.810 318.2 27.4 1.829 29.9 1.884 74.8 1.810 318.2 27.378 19.5 25.1 980 109.7 68.1 35.9 1.265 134.9 1.822 31.3 1.675 14.1 37.7 27.2 25.5 3.4 1.675 14.1 37.7 27.2 25.5 3.4 1.6 2.3 1.6 2		230.8	21,434	178.6	6,055	274.1	2,008	74.8	2,587	276.1	25,917
648.9 68.987 492.4 19.716 716.4 5.077 202.8 6.068 720.3 11.597 492.4 19.716 716.4 5.077 202.8 6.068 720.3 11.597 492.8 11.255 137.9 661 56.5 2.382 190.5 33.1 1.410 12.3 2011 39.4 199 72.2 25.7 39.2 294.8 24.482 151.4 4.028 297.9 1.894 74.8 19.910 316.2 27.4 12.5 980 109.7 691 35.9 1.265 134.9 61.4 4.626 151.4 4.028 297.9 199.0 7.086 30.7 2.473 65.7 18.22 317.3 115.3 1.422 14.1 37.7 27.2 25.5 34.9 4.3 1.675 181.	Name Marriero	ji	1 707	5		n R	*	•	3	3	2
11,507 42,50 1925	New York	648.9	68.987	432.4	19.718	718.4	5.077	202.8	8 084 8 084	7 2 2	6 2,408 5 593
2848 24492 151.4 4,028 287.9 1,884 74.8 1,810 38.2 287.9 1,884 74.8 1,810 318.2 287.9 1,884 74.8 1,810 318.2 287.9 1,884 74.8 1,810 318.2 287.9 1,884 74.8 1,810 318.2 287.9 1,884 74.8 1,810 318.2 287.9 1,829 287.9 1,889 80.8 347 43.3 1,875 81.5 81.5 1,875 1,	North Carolina	98.3	11,597	42.9	1.925	197.8	951	59.5	2.382	180.5	18.354
2848 24,482 151.4 4,028 287.9 1,884 74.6 1,610 316.2 77.0 10,425 25.1 980 106.7 661 35.9 1,265 134.9 80.1 41.6 45.6 198.0 70.86 90.3 34.7 43.3 1,265 194.9 27.4 27.376 198.0 7,086 90.3 24.73 65.7 1,872 91.5 91.5 90.3 91.7 235 34 94 30.6 112.1 94 23.1 98.2 312.2 94 41.6	North Dekota	33. <u>1</u>	1,410	12.3	8	38.4	150	7.2	257	39.2	5.288
77.0 10,425 25.1 960 109.7 691 35.9 1,265 134.9 691.4 4,569 89.9 11,86 90.0 30.7 2,473 55.7 1,822 317.3 15.3 1,432 14.1 377 27.2 225 34. 34. 94. 30.4 32. 14.2 317.3 15.6 56.4 32. 317.3 1	Onio	294.8	24,492	151.4	4,028	297.9	1,884	74.8	1,810	316.2	26,972
7.0 10,425 25.1 980 109.7 881 35.9 1,265 134.9 61,4 1,655 25.1 1890 109.7 881 35.9 1,265 134.9 61,4 1,275 15.3 1,432 11.96 109.7 24.73 43.3 1,275 15.3 1,432 14.3 17.3 25.3 1,432 14.3 17.3 27.2 23.4 199.0 70.96 91.0 578 17.8 27.3 17.3 15.5 15.6 15.6 15.6 15.6 15.6 15.6 15.6	!	}	; <u>i</u>	}	}	<u>;</u>	!	,			
274.0 27.376 180.0 7.086 300.7 2.473 55.7 1,022 317.3 15.3 1,022 317.3 15.3 1,022 317.3 15.3 1,022 317.3 15.3 1,022 317.3 15.3 10.2 11.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 11.4 12.2 12.2	Oklahoma	77.0	10,425	25.	. 98	109.7	289	35.9	1,265	134.9	15,666
15.3 1,422 14.1 377 27.2 286 3.4 94 30.4 62.6 5.70 15.6 568 17.8 731 85.4 731 85.2 7	Cregori	274.0	97 378	100.0	7,100	38	24/	7 6	1,6/0	3173	7,581
### 626 6,370 15.6 868 81.0 578 17.8 731 85.4 #### 731 41.8 3,764 10.9 220 21.5 76 9.2 280 31.2 ### 732 23,248 122.2 8,802 308.6 1.314 196.0 8.78 19.2 ### 732 23,248 122.2 8,802 308.6 1.314 196.0 8.78 19.2 ### 732 23,248 122.2 8,802 10.9 8.3 13.9 13.6 ### 733 24.5 13.6 13.7 13.6 ### 733 25.5 13.6 13.7 13.6 ### 733 25.5 13.6 1.312 35.9 1.441 190.5 ### 733 25.5 13.6 1.312 35.9 1.441 190.5 ### 733 25.5 13.6 1.32 35.9 1.441 190.5 ### 733 25.5 13.6 1.32 35.9 1.441 190.5 ### 733 25.5 13.6 1.421 190.5 ### 733 25.5 13.6 1.421 190.5 ### 733 25.5 13.6 1.421 190.5 ### 733 25.5 13.6 1.421 190.5 ### 733 25.5 13.6 1.421 190.5 ### 733 25.5 13.6 1.421 190.5 ### 734 25.5 13.6 1.421 190.5 ### 735 25.5 13	Phode leland	,	430	14.0	376	97.	3 1	2 5	19	3 .	4754
41.8 3,784 10.9 230 21.5 76 9.2 260 31.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 1	South Carolina	80.00 80.00	5.370	5.6	568	81.0	578	17.8	731	85.4	7.558
41.8 3,764 10.9 230 76 9.2 280 31.2 78 8.20 22.1 1724 1121 849 231 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1183 823 1184 186.0 6,781 383.2 1184 186.0 6,781 383.2 1184 186.0 6,781 383.2 1185 870 6.4 205 10.2 644 4.5 137 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6											
262.2 23,248 123.2 1,224 123.3 183.3 183.2 133.4 166.0 6,783 118.3 132.2 25,248 123.2 1,244 166.0 6,783 183.2 128.8 134.9 118.9 63 6.3 416 185.2 132.2 128.8 130.4 165.2 118.5	South Dekota	41.8	3,784	10.9	230	21.5	76	9.2	286	31.2	4,802
118.5 8,736 76.7 2,186 180.7 1,312 180.6 187.7 136. 187	Tennessee	73.2	9,200	32.1	1,724	112.1	. 846	23.1	823	119.3	10,727
12.8 870 6.4 205 10.2 94 4.5 137 13.6 13.6 13.6 13.6 13.6 13.6 13.6 13.6		20.2	23,240	20.2	6,802	308.6	1,314	108.0	6,781	363.2	42,330
119.5 6,796 76.7 2,198 180.7 1,312 35.9 1,141 190.5 1,000 100 100 100 100 100 100 100 100 1	Varmont	1 0	2,820	B (.	3 -	- - - -	8.9	20	1370	3 ō	1,324
119.5 8,736 76.7 2,186 180.7 1,312 35.9 1,141 190.5 6,366 43.1 1,907 79.5 312 57.8 1,004 117.7 20.0 10.0 10.0 10.0 117.7 20.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0						i		į	Ş	- 6	1,400
90.9 6.385 43.1 1,907 78.5 312 57.9 1,604 11.77		118.5	8,736	76.7	2,188	180.7	1,312	35.9	1.141	190.5	18.673
	Washington	80.9	6,365	43.1	1,907	79.5	312	57.8	604	117.7	11,085
	West Virginia	24.6	2,612	16.0	520	31.6	225	9.0	23	38.1	2,703
26.0 1,889 4.7 100 32.5 122 3.6 244 29.7	Minanah	162.4	11,983	84.9	2,048	210.1	1,102	69.1	1,497	213.5	18,524
	VERICATIBAT	26.0	1,888	34.7	88	32.5	122		24	29.7	3,374

Table 15. - ALL TOP WEALTHHOLDERS, BY STATE OF RESIDENCE, 1976 - Continued

Total states Chorr sasets Chorr sasets Chorr Carlo			Types of assets	- Continued			Millionaires e	a defined by:		Estate	tax return statistics	atica
Marchest Marchest	State of residence	Noncorporat ass	e business		nssets	Total	assets	~	9	흏	Gross	Net work
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	i dimina	90000	
Color Colo		(22)	(23)	(24)	(25)	(26)	(27)	-		(30)	(31)	
100 100	Total Alahama	1,869.3 21.0	98,725 1.203	8,214.8 76.2	271,779 2,137	227.1 2.7	9	178.9 2.2	•	118,164 1.134	40,997 396	
177 128	Alaska	3.4	164	16.7	364		_	:-		165	41	
	Artzona	17.7	215	87.9	2,521	1.6		1.55		1,058	336	
	Arkansas	24.9	1,636	61.6 773.4	789 39 437	25.20	2,525 61 905	300	•	1 84	4 834	
10 10 10 10 10 10 10 10		3	1 480	197 1	4 287	v 2	4 373	. ·		2	40	
	Compediant	29.8	748	169.5	7,610	91	15,141	4.5	12,569	2,238	8	
1,465 1,46	Delaware	75.0	6263	4123	19.674	1 0	38.660	16.8	31.888	7.816	2.744	
150 150	Georgia.	30.9	1,483	154.8	2,591	4.3	10,834	2.4	5,400	1,848	846 86	
1224 6661 77564 77647	Hawaii	6.3	155	38.4	1,283	0.5	1,048	0.4	816	377	120	
ACC STATE	Deno	20.4	661	35.2	17687	80.	20,235		2 684	381	305	
March Marc	more	48.2	3,117	168.6	6,050	4.8	10,282	43	8,682	3,303	1,203	
2.58	OW8	86.7	4,736	202.5	3,527	3.1	4,256	1.8	2,672	3,655	983	
1001 1,223 10,11 2,102 2,5 5,288 2,7 3,219 1,004 400 7,7 1,611 1,223 1,614 3,3 6,283 2,7 3,219 1,004 400 7,7 1,611 1,224 2,7 3,209 3,300 3,200	(ansas '	48.3	2,958	132.3	4,270	. 2.6	4,445	2.2	3,730	2,456	742	
	Kentucky	30.1	1,123	2.5	2,102	Ņ	5,288	1.7	3,215	4	430	
1,618 2122 8,0172 4,7 7,564 3,9 6,221 2,982 882	Outsignes.	7.7	16 E	27.1	48.	2.7	3,200	9.0	800	825	172	٠.
18.7 1,963 192.0 6.059 6.4 11,941 4.5 6,061 3,111 9779 68.7 3,000 168.8 5,200 3,500 168.8 5,200 3,500 168.8 5,200 3,500 168.8 5,200 3,500 168.8 5,200 3,500 3,	Maryland (Includes D.C.)	39.1	1,618	212.2	8,012	4.7	7,584	3.0	6,221	2,662	882	,
73.0 3,00.6 202.5 14,00.6 7.1 19,192 6.4 19,227 3,702 1939 32,08 196.6 5.2 14,00.6 7.2 194.6 2.7 1,171 2,131 2,00.6 16.0 72.6 4.02 2.9 2.0 2.9 2.0 7.1141 750 2.9 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Wassachusetts	19.7	1,563	182.0	8,059	.6.	11,841	4.5	9,061	3,111	979	•
68.87 35.08 168.8 5.209 35.5 5.489 2.7 4,71 2.513 689 23.3 2,206 172.6 42.26 2.0 5,489 2.7 4,71 2.513 689 58.4 30.0 1,227 168.2 6,216 7.3 14,522 4.9 9,686 2,723 680 58.4 30.0 1,227 2,02 5,037 1,036 2,02 3,036 1,036 2,723 860 4.4 37.6 28.1 6,276 2.0 5,032 1,77 3,606 1,606 2,62 3,60 1,60 2,62 3,60 1,60 2,62 3,60 1,60 2,62 3,60 1,60 2,62 3,60	Wichigan	73.0	3,805	292.5	14,806	7.1	19,162	6.4	16,927	3,702	1,312	
160.27 166.2 6.216 7.3 14,522 4.6 6.666 2,723 660 6.216	Winnesota.	3 8	3,508	166.8 72.6	5,239	0 33	5,458	0.27	4,171	2,513	288	
15.0 775 44.5 1,757 0.9 1,346 0.2 408 509 155	Wissouri	30.0	1,827	168.2	6,216	7.3	14,522	4.9	9,858	2,723	950	
59.4 37.25 112.6 2.675 2.0 5.302 1.7 3,650 1.865 268 119 58 28.1 68.4 0.8 1,460 0.8 1,380 268 268 268 268 3,860 1,865 267 268 268 3,860 1,865 267 268 268 3,860 1,861 262 262 261 1,862 267 1,862 268 3,160 1,861 1,262 4,410 1,380 132 428 269 27.1 1,670 1,7 2,603 1,617 3,72 115 362 4,410 1,380 1837 1,861 62.2 26.5 3,110 3,1 2,603 2,114 3,117 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,2 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 3,1 <td>Montana</td> <td>15.0</td> <td>775</td> <td>44.5</td> <td>1,757</td> <td>0.0</td> <td>1,346</td> <td>0.2</td> <td>*408</td> <td>509</td> <td>155</td> <td></td>	Montana	15.0	775	44.5	1,757	0.0	1,346	0.2	*408	509	155	
re 4.9 5.9 5.0 5.7 0.8 5.84 0.8 1,480 0.8 1,380 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 5.24 102 102 115 5.24 102 115 5.24 102 4.10 1,380 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 1,380 3.24 3.22 3.218 8.218 8.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 3.218 <	Vebraska	59.4	3,725	112.6	2,675	2.0	5,302	1.7	3,650	1,965	585	
30.7 1,485 287.2 5,196 8.1 14,806 6.4 11,228 4,410 1,380 13.2 428 26.1 1,780 1.7 2,803 1.0 1,817 372 115 88.4 8,807 82.8 31.0 3.4 9,283 22.3 88,187 17.5 2,803 1.0 1,817 18.8 891 18.8 821 1.019 **0.7 **1,054 **0.2 **418 697 18.8 18.7 18.8 19.7 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8	levada	4.6	73 u	22 E	2 2		1 480	0.6	1.391	524	265 65	
132 428 281 1,760 1,7 2,803 1.0 1,817 372 115 88.4 6,807 823.8 26,503 22.3 83,187 17.3 85,557 2,118 681 19.8 827 19.8 827 19.8 10.9 10.0 1,817 19.8 827 19.8 10.9 10.9 10.9 19.8 19.8 19.8 10.9 10.9 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19	tew Jersey	30.7	1,485	297.2	5,196		14,806	0.4	11,228	4,410	1,380	
84.4 6,807 823.8 26,503 22.3 63,167 17.3 50,574 17,082 8,167 193.6 8,17 193.6		<u>.</u>	<u>.</u>	8	785	•	3 803			270	<u>.</u>	
63.7 1,867 150.8 3110 3.4 9,238 2.8 7,553 2,118 691 64.2 2,833 382.8 12,144 6.1 18,764 6.7 15,582 2,118 697 187 17.9 44.2 2,833 382.8 12,144 6.1 18,764 6.7 15,582 5,682 1,831 17.9 44.5 80.9 2,728 5.9 15,589 5.5 8,709 1,886 587 18.9 17.0 81.5 87.8 1.2 2,169 1.2 2,017 1,338 377 17.0 81.5 87.5 1,468 2.7 5,684 1.6 1,673 5,785 1,922 18.9 1,166 28.5 794	iew Mexico	98.4	6.807	823.8	26.503	22.3	63.167	17.3	50.574	11.082	4.197	
64.2 2,833 382.8 12,144 6.7 15,592 5,682 1,831 12,744 6.7 15,764 6.7 15,764 6.7 15,764 6.7 15,764 6.7 15,764 6.7 15,764 6.7 15,764 6.7 15,764 6.7 16,764 6.7 16,764 6.7 16,764 6.7 17,9 16,16 2,841 35,00 9,069 9,12 2,169 1.2 2,017 1,338 37, 17,00 9,16 17,00 9,16 17,00 9,16 17,00 9,16 17,00 9,16 17,00 9,16 17,00 9,16 1,469 2.7 5,694 1.8 4,264 95,0 31,78 1,468 2.7 5,694 1.8 4,284 95,0 31,78 1,468 2.7 5,694 1.8 4,284 95,0 31,78 1,468 1,663 133,0 2,814 1.7 6,111 1.8 5,837 1,547 7,16 1,76 1,76 1,76 1,76 1,76 1,76 1,7	orth Carolina	63.7	1,867	50.8	3,110	3.4	9,298	2.8	7,553	2,118	8	
287 1,677 1284 5,223 5,9 15,599 5.5 9,708 1,899 597 17.9 1445 90.9 2,728 12 2,189 1.2 2,017 1,339 371 17.9 18.6 2,841 350.0 9,069 9.8 27,731 8.4 18,763 1,822 17.0 815 87.5 1,488 2.7 5,684 1.6 4,284 950 317 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2	HOTO DEKOTA	2 2	3 02	2 A C	10,018	P :	19,784	8 6	15.500	5 07 0	200	
189)No	- G	2,833	362.8	12,144	ø	18,/04		15,582	0,002	1,831	
17.9 44.5 90.9 2.726 1.2 2.169 1.2 2.173 1.339 371 1.922 1.08 1.2 2.173 1.339 1.922 1.08 1.2 2.173 1.339 1.922 1.08 1.2 2.173 1.339 1.922 1.08 1.08 1.09 1.459 0.9 1.459 0.9 1.459 0.9 1.459 0.9 1.459 1.922 1.22 1.22 1.22 1.22 1.22 1.22 1.)klahoma	29.7	1,677	129,4	5,423	5.6	15,599		9,708	1,698	567	
81.6 2,941 350,0 9,069 6,0 21,731 8.4 18,763 1,922 70,000 77,9 666 0.9 1,459 0.9 13,75 4,785 1622 71,70 615 87.5 1,668 2.7 5,694 1.6 4,294 950 317 18.9 1,196 28.5 79,4 663 163 163 176,8 6,662 402,1 10,432 13,2 70,90 10,8 21,439 4,79 10,4 22,7 13,7 36,7 10,8 21,439 4,79 10,8 21,439 4,79 10,8 21,439 10,4 22,7 13,7 36,7 0,2 32,7 0,3 38,9 36,8 10,4 32,7 32,7 32,8 32,8 32,8 32,8 32,8 32,8 32,8 32,8	7egon	17.9	445	90.9	2,726	1.2	2,169	1.2	2,017	1,338	371	
17.0 615 67.5 1.466 2.7 5.664 1.6 4.264 950 317 18.9 1.166 28.5 794 6.11 18.6 1.662 40.21 10.422 13.2 77.080 10.8 21.439 4.778 1.781 4.5 339 35.7 782 0.3 427 0.3 383 10.4 31.6 58.6 1.190 123.1 2.813 5.2 8.27 3.2 8.28 10.4 58.6 1.190 123.1 2.813 5.2 8.27 3.3 7.562 2.616 828 58.6 1.190 123.1 2.813 5.2 8.28 2.4 4.210 1.486 485 58.6 1.190 123.1 2.813 1.486 2.8 4.210 1.486 485 7.3 445 33.3 737 0.3 654 0.3 5.316 2.727 779 7.3 445 33.3 737 0.3 654 0.3 5.316 2.727 779	ennsyvania	61.6	2,841	350.0	9,069	9.9	21,731	0.00	18,763	5,785	1,922	
18.9 1,166 28.5 794 683 164 28.5 1,593 13.0 2,814 1.7 6,111 1.6 5,837 1,547 716 176.6 6,662 402.1 10,422 13.2 27,080 10.8 21,439 4,778 10.4 4.8 227 13.7 387 0.2 322 0.2 281 302 90 31.6 1,320 206.2 4,533 5.2 9,827 3.9 7,562 2,616 828 56.6 1,160 123.1 2,931 3.0 5,328 2,4 4,210 1,496 485 65.6 1,160 33.1 2,931 1,1496 1187 45.8 2,143 220.6 4,819 2,8 6,945 2,3 5,316 2,727 779 44.5 33.3 737 0.3 6,74 0.3 6,96 66		17.0	615	87.5	1.468	2.7	5,694	1.6	4,284	950	317	
1,100 2,8,5 1,100 2,8,6 1,100 2,8,1 1,7,6 1,7,8				3		•	•	:	·	8		
176.6 6,652 402.1 10,422 13.2 27,060 10.8 21,438 4,776 1,781 4.5 339 35.7 762 0.3 437 0.3 383 368 104 4.8 227 13.7 397 0.2 322 0.2 281 302 90 31.6 1,320 206.2 4,533 5.2 8,927 3.9 7,562 2,616 828 56.6 1,190 123.1 2,831 3.0 5,328 2.4 4,210 1,486 485 6.5 1,180 38.3 3,737 0.3 6,445 2.3 5,316 2,727 778 7.3 445 33.3 737 0.3 6,445 2.3 5,316 2,727 778	South Dakota	19.9	1,186	128.5	2 A 1 A	1,	A 1 1		5 837		164 716	
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Estimates of Personal Wealth, 1982: A Second Look

by Marvin Schwartz

According to updated estimates of the personal wealth of individuals in 1982, approximately 4.5 million people had gross assets of \$325,000 or more that year. These individuals, the Nation's "top wealthholders," represented only 2.8 percent of the Nation's adult population [1]. Their net worth, estimated from estate tax returns using the "estate multiplier technique," exceeded \$2.7 trillion and accounted for approximately 29.6 percent of the personal wealth in the United States in 1982 [2].

In contrast, during 1976, fewer than 2 million people had gross assets of \$300,000 or more, the amount closest to the level at which data are available for 1982. The net worth of these top wealthholders in 1976 was approximately \$1.0 trillion.

Just as the total number of top wealthholders increased during this period, so did the millionaires among them. Approximately 475,000 individuals had a net worth of \$1 million or more in 1982, well over twice the number in 1976 (180,000). The sharp increase in the number of millionaires between 1976 and 1982, however, was largely due to inflation. On the basis of constant 1976 dollars, only 232,000 individuals—52,000 more than in 1976—had a net worth of \$1 million or more in 1982 [3].

ESTIMATING PERSONAL WEALTH FROM ESTATE TAX RETURNS

The measurement of personal wealth in the United States has attracted considerable attention in recent years. This interest has been stimulated by a number of factors, not the least of which is the public's fascination with the topic. Accurate and comprehensive estimates of wealth, however, are difficult to obtain, because individuals are not required to report information on wealth regularly on any tax return or other public document. Several alternative approaches, each with its own merits, have been developed. The estimates presented here are based on the "estate multiplier technique." This approach utilizes administrative records, in particular, estate tax returns filed for the deceased to estimate the wealth of the living population.

This procedure can be used to estimate wealth for all individuals whose assets exceed the estate filing requirement in effect that year. Estimates of wealth thus can be provided for the top 2 to 3 percent of the wealthholders—

*Foreign Special Projects Section. Prepared under the direction of Mike Alexander, Chief.

those individuals or "top wealthholders" who control a large portion of the personal wealth in the United States. (The mechanics of the estimating technique are discussed later.)

The updated estimates of personal wealth in 1982 represent the first phase of an effort by the Internal Revenue Service to improve the accuracy of the data [4,5]. In the past, wealth estimates, such as the preliminary estimates for 1982 published earlier, were made from the Statistics of Income sample of estate tax returns filed in a given year for deaths that had occurred over several years [6]. Thus, the wealth estimates generated from a sample selected on a filing year basis actually reflected the value of wealth held during several years, unadjusted for the rates of inflation applicable to those years.

The final personal wealth estimates for 1982 presented here are based on estate tax returns filed from 1982 through 1984 for individuals who died in 1982 [7]. By sampling returns filed over this 3-year period, the returns filed for nearly all individuals who died in 1982 can be captured. The advantage of a "year-of-death" sample is it represents the wealth of a given year, rather than a series of years, and thus more accurately reflects wealth at a particular time.

As the level of gross estate (or gross assets) required for filing an estate tax return has increased, the definition of top wealthholders also has changed. The level of wealth to which the estimates apply rose from \$60,000 or more in 1972 to \$120,000 or more for 1976 and subsequently to \$325,000 or more for 1982. While summary estimates of wealth are provided for wealthholders with gross assets of \$325,000 or more, asset detail is presented only for individuals with gross assets exceeding \$500,000 because such detail was not required for the estates of decedents with smaller assets.

The gross estate criterion is a Federal estate tax concept of wealth that does not conform to the usual definitions of wealth, primarily because it includes the face value of life insurance in the wealth of the decedent. Therefore, three measures of wealth are used in this article: gross assets (or gross estate), total assets, and net worth.

Gross assets reflect the gross value of all assets, including the full face value of life insurance reduced by policy loans but excluding any reduction for other indebtedness. This measure defines the individuals included in the top

wealthholder group. The amount of total assets, a lower wealth value, is still essentially a gross measure. Total assets are obtained by using the cash value of life insurance, i.e., the value the insurance had immediately before the policyholder's death [8]. Net worth, the level of wealth after all debts have been removed, includes the cash value of life insurance.

PERSONAL WEALTH IN 1982

Female wealthholders accounted for 38.3 percent of the 4.5 million top wealthholders in 1982 (see Figure A) compared with 32.8 percent in 1976. But because women held 43.4 percent of the net worth of top wealthholders in 1982, they had an average net worth nearly 24 percent higher than that of their male counterparts.

Figure A.—Top Wealthholders With Gross Assets of \$325,000 or More, by Sex, 1982

[Number of wealthholders in thousands; amounts in billions, except as indicated]

Item	Total	Male	Female
Number of top wealthholders	4,479	2,763	1,715 -
Total assets	\$3,218	\$1,916	\$1,302
Net worth	2,714	1,536	1,178
Average net worth (dollars)	605,900	555,700	686,700

Composition of Assets

In 1982, real estate constituted the largest share of the assets held by all individuals with gross assets exceeding \$500,000 (see Figure B), continuing the trend first observed the previous year [9]. In contrast, estate multiplier estimates of wealth for 1976 and earlier years showed corporate stock to be the most commonly-held asset [10]. Real estate and corporate stock together -accounted for more than 62-percent of the assets of these top wealthholders in 1982.

Figure B.—All Top Wealthholders With Gross Assets Exceeding \$500,000, by Type of Asset and Sex, 1982

Type of asset	Total	Males	Females
Total assets	100.0%	100.0%	100.0%
Real estate	32.5	32.7	32.2
Corporate stock	29.9	29.7	30.3
Cash	8.4	7.4	9.8
Noncorporate business	, i		
assets	7.8	9.2	5.5
Bonds	7.0	5.5	9.4
Notes and mortgages	4.7	5.1	. 4.2
Life insurance	1.2	1.8	' 0.3
Other assets	8.5	8.6	8.3

Corporate stock, long the most prominent asset in the portfolio of top wealthholders, declined from more than 35 percent of the assets in 1976 to roughly 30 percent in 1982, probably because of the decline in the stock market, as well as the increase in the value of real estate during that period [11]. Between 1976 and 1982 the Dow-Jones Industrial Average fell 9.3 percent while the Consumer Price Index for

home purchases rose 67.2 percent [12, 13]. These measures of the market condition are reflected in the shift in the composition of the assets of the wealthy for these 2 years.

Bonds and noncorporate business assets also switched positions of importance [14]. The share of assets held as bonds declined from more than 9 percent in 1976 to 7 percent in 1982, and noncorporate business assets increased from 5 percent of the assets in 1976 to nearly 8 percent in 1982.

A look at the composition of assets by sex shows that the share of the wealth held in the form of real estate and corporate stock was similar for men and women. On the other hand, the difference in the proportion of the wealth held as bonds or as noncorporate business assets is noteworthy. Noncorporate business assets made up 9 percent of the assets of men in 1982, compared with 5.5 percent for women. Conversely, wealth held by women was typified by a greater concentration in bonds, over 9 percent, compared with only 5.5 percent for men. An examination of all other assets shows that notes and mortgages and life insurance constituted a more significant portion of the assets of men, while cash represented a greater share of the assets of women.

Although real estate constituted the greatest share of the assets in the portfolio of all top wealthholders, the proportions of wealth held as real estate and corporate stock were quite different for millionaires and submillionaires (see Figure C). Real estate made up just 25 percent of the assets of millionaires; they held more than 38 percent of their assets as corporate stock. In contrast, real estate accounted for almost 42 percent of the assets of submillionaires; 20 percent of their assets were in corporate stock.

Figure C.—All Top Wealthholders With Gross Assets Exceeding \$500,000, by Size of Net Worth and by Type of Asset, 1982

	Size of	net worth
Type of asset	Under \$1,000,000	\$1,000,000 or more
Total assets	100.0%	100.0%
Real estate	41.6	24.6
Corporate stock	20.1	38.5
Cash	10.5	6.5
Noncorporate business		
assets	7.1	8.3
Notes and mortgages	5.3	4.2
Bonds	4.8	9.0
Life insurance	2.0	0.6
Other assets	8.5	8.4

Cash and bonds together represented just over 15 percent of the assets of both groups of top wealthholders but were held in quite different proportions. Whereas bonds represented just under 5 percent of the assets of the less wealthy group, they were, at 9 percent of the assets, the third most common asset held by millionaires. Proportionately, millionaires held more corporate stock, bonds, and

noncorporate business assets and less real estate, cash, notes and mortgages, and life insurance than the submillionaires.

Geographic Distribution of Wealth

In 1982, nearly 700,000 of the top wealthholders in the United States lived in California. This was more than twice the number of top wealthholders in the "second wealthiest" State, Texas. New York, which had the most wealthy individuals in 1976, had dropped to third place by 1982. As a result of the effect of the recent decline in oil prices on the economy of Texas, coupled with Florida's rapid growth and attractive tax policy (no State income tax), Florida may become the "second wealthiest" State by the end of this decade.

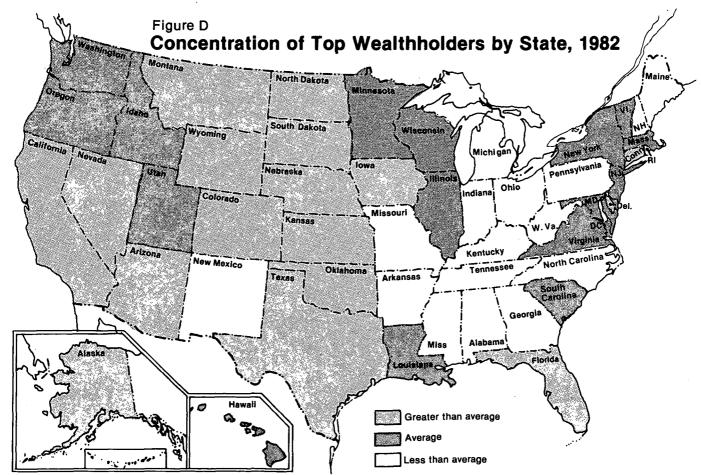
The ratio of wealthy individuals to the adult population illustrates the distribution of wealth, undistorted by the large populations of certain States. California, the most populous State, had an above-average concentration of wealth, with 15 percent of the top wealthholders but only 11 percent of the Nation's adult population. Although there were a large number of wealthholders in New York and Illinois, the proportion of top wealthholders in these States was only

average. As shown in Figure D, wealth appears to be more heavily concentrated in the more rural States west of the Mississippi River. Conversely, the southern States—with one of the principal exceptions being Florida—and the more heavily industrialized States of the Midwest had a lower-than-average proportion of wealthy individuals.

ESTATE MULTIPLIER TECHNIQUE

Researchers have been using the estate multiplier technique since the beginning of the 20th century (financial records were used as early as 1864 to estimate total personal wealth by a related technique) to draw conclusions about the wealth of the living population through knowledge of the wealth of the deceased [15, 16]. The technique assumes that estate tax returns taken as a whole represent a random sample, designated by death, of the living population. In fact, however, death is not a random event and therefore is not a simple representative sample of the living population under consideration.

The probability of "death's selection" of an individual, i.e., that a person will die in a given year, depends on the particulars of one's life. Age and sex are usually taken as "gross" indicators of these conditions. If one knows the



Note: The average concentration of top wealthholders by State was 2.2 to 3.0 percent of the State's adult (age 20 and above) population.

mortality rate and the number of deaths for each age and sex group, one can derive the population of wealthholders by multiplying the inverse of the mortality rate by the number of deaths in each group [8].

Vital to the estimates of personal wealth is the use of a mortality rate appropriate to the top wealthholder population. This is essential to the estimates because there is much evidence that the wealthy have mortality rates lower than those of the population as a whole. In other words, social class also is a determinant in the "selection of the sample" [17]. Therefore, an adjustment to the general mortality rates is necessary.

The mortality rates assumed to approximate those of the wealthy are based on the mortality experience of the Metropolitan Life Insurance Company's preferred-risk policyholders [18]. Multipliers are then derived from the adjusted mortality rates for each decedent according to age and sex. These multipliers, applied to sampled estate tax return data, produce wealth estimates for the living population.

The multipliers used to develop the preliminary estimates for 1982 were based on Metropolitan Life mortality experience for a 4-year period. As part of the effort to improve the accuracy of these estimates, the Internal Revenue Service has developed new mortality differentials and multipliers based on data for a series of years between 1969 and 1982. Thus, the effect of the sampling variance of death has been reduced.

As mentioned earlier, the updated estimates of personal wealth in 1982 are based on a sample of estate tax returns filed between 1982 and 1984 for individuals dying in 1982. This approach, which is a departure from the year-of-filing approach used for the preliminary 1982 estimates and for the estimates for earlier studies, is designed primarily to reduce the effects of inflation. The preliminary estimates of personal wealth for 1982 were based on estate tax returns filed during 1983. Although the returns filed that year were primarily for decedents who died in the preceding year, they also reflected deaths that occurred in 1983 as well as deaths that occurred in 1981 and several earlier years. Therefore, the estimates for the 1 year were achieved by using values based on several.

In addition to reducing the effect of inflation, the use of a year-of-death file has improved the estimates by reducing the sampling error.

The strength of the estate multiplier technique, in part, lies in the large sample size. The sample of 19,000 returns selected in 1983, on which the preliminary estimates of wealth for 1982 were based, was considerably larger than the samples selected for other studies for comparable

levels of wealth [19, 20]. Yet, despite the large overall sample size, the limited number of returns filed each year for young (under 45 years of age) and very wealthy (gross assets of \$5 million or more) decedents can make results for these categories subject to considerable sampling error.

The achieved selection probabilities of "death's sample" of these relatively young and very wealthy decedents in a given year can distort estimates of the wealth of the living. Death samples at high and low rates which tend to average out over a period of years, but which can result in large short-term fluctuations, i.e., for a given year. When death "selects" a smaller sample, i.e., fewer deaths for a limited population during a sample year, wealth estimates will be lower than the true population values. Similarly, too large a sample produces estimates that overstate the wealth of the population.

The updated estimates of wealth for 1982 have incorporated two modifications from recent-year estimates designed to reduce the variability of death's annual sample selection. First, the sample of estate tax returns was redesigned so that it was stratified by age as well as by size of gross estate. Whereas all returns of the very wealthy (those with gross estates of \$5 million or more) were selected for past studies, before the 1982 study the returns of the relatively young were selected at rates dictated by the size of gross estate. Thus, the high sampling variance already present because of the limited number of returns for relatively young decedents was further increased by sampling those returns for less wealthy decedents at rates less than 100 percent. Starting with 1982, all estate tax returns, regardless of the size of gross estate, were selected for decedents under 45 years of age.

The sampling variability of the final estimates for wealthy and relatively young individuals is reduced further by basing the estimates on returns filed for the specific year of death (1982) during a 3-year period. Thus, this technique produces more accurate estimates of the type and amount of wealth of the young and very wealthy.

SUMMARY

For 1982, approximately 4.5 million people— 2.8 percent of the adult population of the United States—held gross assets of \$325,000 or more. The net worth of these individuals exceeded \$2.7 trillion and accounted for almost 30 percent of the personal wealth in this country.

The top wealthholder in 1982 was typically a man under 50 years of age from California. Just over 60 percent of his wealth was held as real estate and corporate stock, with corporate stock becoming more prominent as wealth increased.

Wealthy women, although still the minority of top wealth-holders, nevertheless increased their representation from less than 33 percent in 1976 to just over 38 percent in 1982. Of the total, approximately 38 percent were under 50 years of age, and over 36 percent were between 50 and 64 years of age.

DATA SOURCES AND LIMITATIONS

Although estimates of wealth are provided for all individuals with gross assets of \$325,000 or more, the composition of assets was examined only for wealthholders with gross assets exceeding \$500,000. This limitation is the result of a change in the reporting requirements for the estate tax returns on which the estimates are based. Detailed asset information is not required to be filed on the returns of persons who died after December 31, 1981 with a gross estate (gross assets) of \$500,000 or less. Nevertheless, 72 percent of the assets of the wealthholders derived from this group were reported on the returns. Because the decision to provide asset detail on the return may be a reflection of the asset composition of the estate, the inclusion of estimates of wealth based on this incomplete detail would have distorted the estimates and introduced a bias into the estimates.

The treatment of the assets included on the estate tax return as "lifetime transfers" was modified to provide more accurate data on the composition of the assets of top wealthholders. In the past, all assets reported as lifetime transfers were included in the statistics as "other assets". The redefinition of lifetime transfers under the Economic Recovery Tax Act (ERTA) of 1981 made it more appropriate to allocate lifetime transfers to the specific type of asset [21]. Figure E shows the effect of this change on the data for 1982.

Figure E.—Treatment of Lifetime Transfers Made by All Top Wealthholders With Gross Assets Exceeding \$500,000, by Type of Asset, 1982

	Lifetime transfers				
Type of asset	Allocated to specific asset type	Included in "Other assets"			
Total	100.0%	100.0%			
Real estate	32.5	30.7			
Corporate stock	29.9	26.4			
Cash	8.4	7.8			
Noncorporate business assets	7.8	7.4			
Bonds	7.0	5.9			
Notes and mortgages	4.7	4.4			
Life insurance	1.2	1.2			
Other assets	8.5	16.2			

Sample Selection Criteria

The 1982 estimates of personal wealth are based on data from a sample of estate tax returns, Form 706, processed by the Internal Revenue Service between 1982 and 1984. The sample was stratified according to the year of death and age of the decedent, along with the size of the gross estate. The returns were selected during the 3-year period at annual rates that ranged from 10 percent—for decedents age 70 and older with gross estate under \$1 million—to 100 percent—for decedents under age 45 or with gross estate of \$1 million and above—with weights appropriate to each year maintained.

Of the returns filed during the 1982–1984 period, only those filed for individuals dying in 1982 were selected, with two exceptions. All returns for the very wealthy (those with gross estates of \$5 million or more) and individuals under 45 years of age were selected, regardless of the year of death. The estate multipliers for those returns were adjusted accordingly. Other returns filed during this period for individuals who died in years other than 1982 were not used for these estimates.

Limitations

Because the data in this article are estimated on the basis of a sample of estate tax returns filed with the Internal Revenue Service, they are subject to sampling as well as nonsampling error. For proper use of the statistical data, the magnitude of the potential sampling error must be known.

Figure F presents preliminary estimates of the coefficients of variation (CV's) for frequency estimates. The approximate CV's shown here are intended only as a general indication of the reliability of the data. For a number other than that shown, the corresponding CV's can be estimated by interpolation. The reliability of estimates based on samples and the use of coefficients of variation for evaluating the precision of sample estimates are discussed in the Appendix.

Figure F.—Approximate Coefficients of Variation for Frequency Estimates, 1982

Number of wealthholders	Approximate . coefficient of variation
02	2,600,000
03	540,000
05	124,000
10	18,500
15	3,900
20	1,900

NOTES AND REFERENCES

- [1] The adult population is defined as individuals 20 years of age and older.
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- [3] Using the Personal Consumption Expenditures Implicit Price Deflator calculated by the U.S. Department of Commerce, Bureau of Economic Analysis, \$1 million in 1976 had the equivalent value of \$1,597,400 in 1982. For a discussion of the deflator, see U.S. Department of Commerce, Survey of Current Business, April 1987, Volume 66, Number 4.
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- [6] Schwartz, Marvin, "Preliminary Estimates of Personal Wealth, 1982: Composition of Assets," Statistics of Income Bulletin, Winter 1984–1985, Volume 4, Number 3.
- [7] For estimates of the number of individuals with net worth of \$5 million or more based on estate tax returns filed in each of the 3 years, as well as those filed in 1985, see Skelly, Daniel F., and Kozielec, John A., "Statistics of Income Domestic Special Studies," Statistics of Income Bulletin, Fall 1987, Volume 7, Number 2. These estimates reflecting wealth in 1981 through 1984 were developed prior to the methodological improvements reflected in the estimates for 1982 included herein.
- [8] For a detailed explanation of the estate multiplier technique and the computation of the equity value of life insurance, see Statistics of Income—1972, Personal Wealth Estimated from Estate Tax Returns, U.S. Department of the Treasury, Internal Revenue Service, 1976.
- [9] Schwartz, Marvin, "Trends in Personal Wealth," Statistics of Income Bulletin, Summer 1983, Volume 3, Number 1.
- [10] The revised treatment for the 1982 estimates of the assets included on the estate tax return as "lifetime transfers" should be noted. This is described in the section on "Data Sources and Limitations." Although the revised treatment yields somewhat higher asset shares, the basic relationship described later remains largely unaffected.

- [11] Ruggles, Richard, and Ruggles, Nancy, D., "Integrated Economic Accounts for the United States, 1947–1980," Survey of Current Business, Volume 62, Number 5, U.S. Department of Commerce, Bureau of Economic Analysis, May 1982.
- [12] U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, various issues.
- [13] For information about the Consumer Price Index, see U.S. Department of Labor, Bureau of Labor Statistics, Monthly Labor Review, various issues.
- [14] Noncorporate business assets include the net value of sole proprietorships, farms, and interests in partnerships, except for the value of the real estate associated with the business or farm.
- [15] Lampman, Robert J., *The Share of Top Wealthholders in National Wealth, 1922–56*, Princeton University Press, 1962.
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- [18] The author is extremely grateful for the continued support received from the Metropolitan Life Insurance Company, beginning with the late Mortimer Spiegelman and continuing most recently with Frances Baffa, who provided the mortality data used in the computation of the estate multipliers.
- [19] Data on wealth are also available from the 1983 Survey of Consumer Finances. This study, jointly sponsored by the Board of Governors of the Federal Reserve System and six other Federal agencies, presents information on assets as well as other financial information based on a survey of approximately 3,800 families. The inclusion of data from interviews with an additional 438 high-income families allowed greater comparability with the estate multiplier estimates of the wealth of top wealthholders. For further information, see Avery, Robert B., Elliehausen, Gregory E., Canner, Glenn B., and Gustafson, Thomas A., "Survey of Consumer Finances, 1983," Federal Reserve Bulletin, September 1984; Avery, Robert B., Elliehausen, Gregory E., Canner, Glenn B., and Gustafson, Thomas A., "Survey of Consumer Finances, 1983: A Second Report," Federal Reserve Bulletin, December 1984;

- and Avery, Robert B., and Elliehausen, Gregory E., "Financial Characteristics of High-Income Families," Federal Reserve Bulletin, March 1986.
- [20] Lamas, Enrique J., and McNeil, John M., "Year-Apart Estimates of Household Net Worth from the Survey of Income and Program Participation," 1987 Proceedings of the Conference on Research on Income and
- Wealth, National Bureau of Economic Research (in preparation as of June 1988).
- [21] Prior to 1982, all gifts within the 3 years preceding death were required to be included in the estate. Under ERTA, only certain transfers—primarily gifts in which the decedent had a reversionary interest and revocable trusts—were included in the estate.

Table 1A.—All Top Wealthholders With Gross Assets of \$325,000 or More, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	Debts and r	Net	
	holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total Under \$100,000 ¹ \$100,000 under \$250,000. \$250,000 under \$500,000. \$500,000 under \$1,000,000. \$1,000,000 under \$5,000,000. \$5,000,000 or more.	4,478.8 341.7 649.0 2,032.3 980.3 437.3 38.2	3,218,225 93,796 200,942 868,468 734,872 874,391 445,755	3,976.5 332.2 620.4 1,744.4 843.7 399.1 36.6	504,714 107,990 84,079 118,996 73,659 87,402 32,588	2,713,510 - 14,193 116,863 749,472 - 661,212 - 786,989 413,167

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 1B.—All Top Wealthholders With Gross Assets Greater Than \$500,000, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	Debts and m	Net	
	holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	980.3	2,464,225 130,729 278,478 734,872 874,391 445,755	2,033.2 278.0 475.8 843.7 399.1 36.6	399,206 121,511 84,045 73,659 87,402 32,588	2,065,019 9,219 194,433 661,212 786,989 413,167

				Types	of assets			
Size of net worth . Number .	- Cash		Corpor	ate stock	te stock Bonds			
	Number			Amount	Total		Corporate and foreign	
	Amount	Number	Allount		Amount	Number	Amount .	
*	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Total	478.0. 960.9	205,960 6,655 21,392 92,597 64,936 20,380	1,842.9 196.7 387.4 820.0 401.5 37.3	737,964 13,155 44,114 173,044 298,522 209,129	980.7 50.6 143.7 499.8 259.4 27.1	173,635 1,252 5,688 48,444 75,739 42,512	407.7 16.2 56.1 221.1 102.2	17,264 487 1,262 6,626 5,746 3,143

				Types of ass	ets—Continued			
				Life insurance				
Size of net worth			equity					
	Federal	Federal savings		Other Federal		State and local		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Total	244.4 21.0 44.6 125.4 50.9 2.6	6,609 31 360 3,377 2,177 664	324.5 8.2 36.2 175.8 92.5 11.8	55,871 157 1,546 16,834 24,532 12,801	559.9 14.8 61.8 278.6 183.8 20.9	93,891 576 2,520 21,606 43,284 25,904	1,622.4 269.9 422.2 624.2 282.0 24.0	30,610 6,467 8,019 8,247 6,777 1,100

			**					
Size of net worth	Notes and	Notes and mortgages		estate	Noncorporate	business assets .	. Other assets	
; * ·	Number	Amount	Number	. Amount	Number	Amount	Number	Amount
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Total	975.9 82.0 197.9 432.4 238.0 25.7	116,005 6,357 14,475 39,662 39,411 16,101	2,074.3 264.7 476.0 893.4 403.9 36.4	800,391 67,621 137,430 270,544 252,025 72,772	971.8- 127.8 221.8 373.2 221.3 27.7	191,128 17,449 22,792 41,371 67,958 41,559	2,139.0 270.8 476.5 932.0 421.8 37.8	208,533 11,774 24,569 60,964 69,023 42,203

¹ Includes top wealthholders with negative net worth.
NOTE: Detail may not add to totals because of rounding.

Table 2A.—All Men: Top Wealthholders With Gross Assets of \$325,000 or More, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	Debts and	Net	
	holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	2,763.4	1,915,893	2,478.6	380,392	1,535,501
Under \$100,000 ¹	304.7	84,376	296.1	95,421	-11,046
\$100,000 under \$250,000	527.9	158,789	500.2	64,461	94.329
\$250,000 under \$500,000	1,136.1	494,675	974.7	79,694	414.981
5500,000 under \$1,000,000	529.8	412,968	462.8	53,546	359,422
1,000,000 under \$5,000,000	243.5	503,067	224.5	62,056	441,010
55,000,000 or more	21.4	262,019	20.3	25,214	236,804

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 2B.—All Men: Top Wealthholders With Gross Assets Greater Than \$500,000, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	. Debts and	Net	
·.	holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	1,408.7 248.5 365.5 529.8 243.5 21.4	1,495,612 114,829 202,730 412,968 503,067 262,019	1,299.0 243.8 347.5 462.8 224.5 20.3	307,794 105,463 61,515 53,546 62,056 25,214	1,187,818 9,366 141,215 359,422 441,010 236,804

	Types of assets										
Size of net worth	Cash		Corporate stock		Bonds						
	Number Amount	Number Amount	т	Total		Corporate and foreign					
•	140111201	741104114	Number	Amount	Number	Amount	Number	Amount			
	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			
Total	1,371.4 238.1 352.6 518.3 241.3 21.1	110,648 5,322 15,070 45,777 34,149 10,330	1,167.1 172.7 298.2 447.4 227.7 21.0	444,251 11,665 36,111 99,502 179,011 117,962	543.8 45.0 104.9 244.3 135.5 14.0	82,332 957 3,723 20,977 33,871 22,804	215.7 ** **51.6 105.6 52.7 5.7	7,654 **1,207 2,698 2,638 1,111			

	Types of assets—Continued									
• •			Life is	nsurance						
Size of net worth		equity								
	Federal savings		Other	Other Federal		State and local				
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)		
Total	148.1 ** **53.0 66.1 27.4 1.7	3,266 283 1,465 965 553	145.4 *** **29.3 71.3 38.8 5.9	22,842 **1,047 6,720 7,793 7,282	298.4 **58.6 133.2 95.6 11.0	48,570 **2,142 10,094 22,475 13,858	1,236.5 241.6 343.2 432.4 201.3 18.0	27,426 6,078 7,201 7,324 5,850 974		

	Types of assets—Continued								
Size of net worth	Notes and mortgages		Real	Real estate		business assets	Other assets		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
Total	636.1 73.3 146.1 260.4 141.5 14.8	75,687 5,578 9,997 24,175 24,765 11,173	1,325.2 234.3 352.5 491.5 226.4 20.5	488,642 58,923 91,990 149,722 142,153 45,854	697.2 114.1 182.3 243.6 141.1 16.3	138,021 15,949 19,540 30,060 44,030 28,441	1,353.8 238.9 355.1 504.1 234.6 21.1	128,605 10,356 19,098 35,432 39,239 24,481	

^{**} Data combined to avoid disclosure of information for specific estate tax returns.

Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 3A.—All Women: Top Wealthholders With Gross Assets of \$325,000 or More, by Size of Net Worth

Size of net worth	Number of	Total	Debts and	Net	
Size of net worth	top wealth- holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	1,715.3 37.0 121.0 896.2 450.5 193.8 16.8	1,302,332 9,421 42,153 373,793 321,904 371,325 183,736	1,497.9 36.2 120.2 769.8 380.9 174.6 16.3	124,322 12,568 19,619 39,302 20,114 25,346 7,374	1,178,010 -3,147 22,535 334,491 301,790 345,979 176,362

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 3B.—All Women: Top Wealthholders With Gross Assets Greater Than \$500,000, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	Debts and	Net		
Size of the world	holders	assets :	Number '	Amount	worth	
	(1)	(2)	(3)	. (4)	(5)	
Total Under \$250,000 ¹ \$250,000 under \$500,000. \$500,000 under \$1,000,000. \$1,000,000 under \$5,000,000. \$5,000,000 or more.	129.2 450.5 193.8	968,614 15,901 75,748 321,904 371,325 183,736	734.2 34.2 128.3 380.9 174.6 16.3	91,413 16,048 22,531 20,114 25,346 7,374	877,201 148 53,217 301,790 345,979 176,362	

		Types of assets							
Size of net worth	Cash		Corpora	ate stock	Bonds				
Number			Number	Amount	• То	tal	Corporate and foreign		
•		Amount .		Amount	Number	Amount	Number	Amount	
	(6)	. (7)	(8)	(9)	(10)	<u>, (11)</u>	(12)	(13)	
Total		95,312 1,333 6,322 46,820 30,787 10,050	675.8 24.0 89.2 372.6 173.8 16.2	293,713 1,490 8,004 73,542 119,510 91,166	436.9 *5.6 38.8 255.5 123.9 13.1	91,303 *295 1,965 27,467 41,868 19,708	192.0 *** **20.7 115.5 49.6 6.3	9,610 **542 3,928 3,108 2,032	

1			•	Types of asse	rtsContinued		<u>,</u>	
			Bonds	Continued			Life insurance	
Size of net worth	Government							ulty
	Federal savings		Other	Federal	State an	d local	Number	
	Number	Amount	Number	Amount	Number ·	Amount	Runber	Amount
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Total	96.2 **12.5 59.4 23.5 0.9	3,343 **107 1,912 1,212 111	179.1 ** 15.1 104.5 53.7 5.9	33,029 ** **657 10,114 16,739 5,519	261.5 **18.1 145.4 88.1 9.9	45,321 ** **954 11,512 20,809 12,046	385.8 28.3 79.0 191.8 80.8 6.0	3,184 388 818 924 927 126

• •	·	Types of assets—Continued								
Size of net worth	Notes and mortgages		Real	Real estate		Noncorporate business assets		Other assets		
	Number	Amount	Number -	Amount	Number	Amount	Number	Amount		
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)		
Total	339.8 8.7 51.8 171.9 96.5 10.9	40,317 777 4,478 15,487 14,646 4,928	749.2 30.4 123.5 401.9 177.4 15.9	311,750 8,698 45,440 120,822 109,873 26,917	274.5 13.7 39.6 129.6 80.2 11.4	53,107 1,500 3,251 11,311 23,928 13,117	785.2 32.0 121.4 428.0 187.1 16.8	79,928 1,418 5,470 25,532 29,785 17,722		

^{*} Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

** Data combined to avoid disclosure of information for specific estate tax returns.

Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding

Table 4A.—Top Wealthholders Under 50 Years of Age With Gross Assets of \$325,000 or More, by Size of Net Worth

	Number of	Total	Debts and	Net	
Size of net worth	top wealth- holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	1,702.4	1,040,871	1,590.4	290,518	750,353
Under \$100,000 1	313.7	78,846	304.6	85,970	-7,125
\$100,000 under \$250,000	438.4	133,968	423.1	58,043	75,925
\$250,000 under \$500,000	599.7	275,637	546.0	63,445	212,192
\$500,000 under \$1,000,000	232.5	189,086	205.1	32,880	156,206
\$1,000,000 under \$5,000,000	105.8	234,179	99.5	39,387	194,792
\$5,000,000 or more	12.3	129,155	12.1	10,792	118,362

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 4B.—Top Wealthholders Under 50 Years of Age With Gross Assets Greater Than \$500,000, by Size of Net Worth

Size of part wealth	Number of	Total	Debts and	Net	
Size of net worth	top wealth- holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	833.7	798,190	790.0	225,555	572,635
Inder \$250,000 ¹	232.2	101,248	228.4	92,147	9,102
250,000 under \$500,000	250.7	144,521	244.9	50,349	94,172
500.000 under \$1.000.000	232.5	189,086	205.1	32,880	156,206
1,000,000 under \$5,000,000	105.8	234,179	99.5	39,387	194,792
5,000,000 or more	12.3	129,155	12.1	10,792	118,362

	Types of assets									
	Ca	Cash Corporat		ate stock		Bonds				
Size of net worth			Number		Το	otal	Corpurate	and foreign		
	Number	Amount	Number	Amount	Number	Amount	Number	Amount		
	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
Total	806.1 222.0 241.2 226.8 103.9 12.1	48,492 5,414 8,862 17,434 11,477 5,306	639.2 158.4 192.4 181.5 95.0 12.0	223,877 10,562 23,616 43,641 82,451 63,607	231.8 40.5 51.6 85.4 46.2 8.1	36,970 673 1,833 8,603 17,392 8,469	87.6 12.8 20.8 37.1 13.2 3.8	3,871 391 523 1,335 604 1,019		

						<u> </u>						
		Types of assets—Continued										
		Life in	surance									
Size of net worth		equity										
	Federal	ll savings Other Fe		Federal State and		nd local	Number	Amount				
	Number	Amount	Number	Amount	Number	Amount	Number	,oun				
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)				
Total		1,249 13 59 516 226 434	67.0 6.7 12.4 30.5 13.9 3.5	15,843 93 239 3,925 8,739 2,846	101.0 10.9 18.4 36.7 29.0 5.9	16,007 177 1,012 2,827 7,822 4,169	683.1 223.4 216.2 160.9 74.6 8.1	10,568 4,637 2,873 1,472 1,358 228				

	Types of assetsContinued									
Size of net worth	Notes and mortgages		Real	Real estate		ousiness assets	Other assets			
	Number	Amount	Number	Amount	Number	Amount	Number	Amount .		
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)		
Total	333.1 62.8 95.1 107.5 59.2 8.4	34,097 4,788 6,913 8,832 , 9,227 4,338	771.3 216.7 242.6 203.0 97.2 11.9	290,063 53,105 75,592 73,786 66,805 20,775	402.2 101.3 116.2 111.5 63.3 10.0	77,923 12,109 12,253 15,610 25,105 12,845	800.8 224.0 242.2 222.1 100.4 12.1	76,200 9,960 12,580 19,708 20,365 13,586		

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 5A.—Top Wealthholders 50 to 64 Years of Age With Gross Assets of \$325,000 or More, by Size of Net Worth

Size of net worth	Number of top wealth-	Total	Debts and	Net	
	holders	assets	Number	Amount	worth
	(1)	(2) :	(3)	(4)	(5)
Total	1,631.3 27.3 200.5 826.1 384.9 179.3 13.3	1,217,460 14,291 62,253 347,291 292,162 353,658 147,807	1,431.4 26.8 187.2 711.3 331.3 162.3 12.6	166,300 21,008 23,337 44,964 31,172 33,975 11,844	1,051,160 -6,718 38,916 302,326 260,990 319,682 135,963

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding

Size of net worth		Number of top wealth-		otal		* Debts and mortgages			Net worth	
	· · ·	holders	. as	ssets	· Number		Amount			
	:_	(1)		(2)	(3)		(4)		(5)	
Total		828.8 47.9 203.4 384.9 179.3	27 111 292 353	2,461 7,351 1,483 2,162 3,658 7,807	745.3 47.1 192.0 331.3 162.3 12.6	· ,	133,69 27,26 29,44 31,13 33,93	64 40 72 75	798;765 87 82,043 260,990 319,682	
				Ту	pes of assets			<u></u>		
Size of net worth	. Ca	sh -	Corpor	ate stock			В	onds	- +	
* * * * * * * * * * * * * * * * * * * *	Number	Amount	Number	Amount	·	Total		Corpo	orate and foreign	
A Commence of the Commence of	••			1	Numbe	,	Amount	Nümber	'Amount'	
	. (6)	(7)	· (8)	(9)	(10)		(11)	(12)	(13)	
Total	808.0 45.4 196.8 r 375.6 176.9 13.2 : · ·	70,537 1,107 8,994 30,685 23,724 6,027	704.3 36.7 161.0 329.1 164.5	269,650 2,435 16,754 65,595 116,079	370.1 10.0 73.3 180.5 97.8 8.5		45,973 564 2,646 13,021 19,206 10,535	147.0 3.4 27.6 74.9 37.4 3.7	5,578 89 528 2,064 2,033 864	
				Types of	assets—Continued	,				
·			Bonds—	Continued ·			**	Ī. ———		
Size of net worth			Gover	rnment	211			l Li	fe insurance equity	
			<u> </u>	<u> </u>	<u> </u>					

Size of net worth				-Continued -				nsurance quity
,	. Federal	savings	Other	Federal	State ar	nd local	Number	A
e e e e	Number	Amount	Number	Amount	Number	* Amount	Number	Amount
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Total	87.4 3.7 22.7 43.3 16.8	1,549 15 160 722 570 82	102.3 *1.4 17.9 50.6 29.2	11,697 *62 916 3,216 4,568	219.3 4.0 34.5 105.1 69.5	27,149 399 1,042 7,020 12,035 6,653	639.2 44.7 179.1 277.0 129.3	14,283 1,775 4,533 4,185 3,315 474

			<u> </u>		0.2	0,000	9.1	4/4
		•		Types of ass	ets-Continued	**		
Size of net worth	Notes and m	nortgages	Real	estate	Noncorporate I	Dusiness assets	Other	assets
	Number	Amount	• Number	Amount ~	Number	Amount "	Number	² Amount ^{4*}
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Total	385.4 17.8 83.8 175.3 99.3 9.2	46,310 1,440 6,021 17,183 16,252 5,414	798.0 45.6 196.6 371.3 171.5	323,751 13,163 52,313 116,630 114,258 27,387	396.5 24.9 93.5 166.0 101.6	79,609 5,158 9,441 19,150 29,633 16,227	797.4 44.8 196.1 369.3 174.1	82,349 1,708 10,781 25,712 31,190 12,957

Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 6A.—All Top Wealthholders 65 Years of Age or Older With Gross Assets Greater Than \$325,000, by Size of Net Worth

[All figures are estimates based on estate tax return samples—numbers of top wealthholders are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of	Total	Debts and	mortgages	Net
Size of net worth	top wealth- holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	1,103.8	935,392	921.3	46,509	888,883
Under \$100,000 1	0.8	660	0.8	1,011	-351
\$100,000 under \$250,000	9.0	4,231	9.0	2,407	1,824
\$250,000 under \$500,000	578.1	233,913	464.0	9,941	223,972
\$500,000 under \$1,000,000	354.2	247,844	301.1	9,490	238,354
\$1,000,000 under \$5,000,000	149.3	281,381	134.7	13,715	267,666
\$5,000,000 or more	12.6	167,363	11.8	9,945	157,418

^{*} Estimates should be used with caution because of the small number of sample estate tax returns on which it is based.

Table 6B.—All Top Wealthholders 65 Years of Age or Older With Gross Assets Greater Than \$500,000, by Size of Net Worth

	Number of	Total	Debts and	mortgages	Net
Size of net worth	top wealth- holders	assets	Number	Amount	worth
	(1)	(2)	(3)	(4)	(5)
Total	557.8	720,654	488.1	39,487	681,167
Under \$250,000 1	2.4	2,130	2.4	2,100	30
\$250,000 under \$500,000	39.4	21,936	38.1	4,236	17,700
\$500,000 under \$1,000,000	354.2	247,844	301.1	9,490	238,354
\$1,000,000 under \$5,000,000	149.3	281,381	134.7	13,715	267,666
\$5,000,000 or more	12.6	167,363	11.8	9,945	157,418

				Types	of assets			
Oles of and sounds	Ca	ash	Corpora	ite stock		Вс	onds	
Size of net worth	Number	A	Number	Amount	To	tal	Corporate	and foreign
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Total	551.2 2.1 38.8 349.7 148.1 12.5	84,834 135 3,401 43,262 29,002 9,033	489.8 1.7 32.9 303.6 139.5 12.1	241,173 158 3,597 62,687 98,765 75,966	372.9 *0.1 18.8 229.9 113.6 10.4	89,073 *13 1,198 26,388 38,256 23,217	170.9 *** **7.8 107.4 51.1 4.5	7,739 ** **219 3,208 3,062 1,250

					1			
				Types of ass	ets—Continued			
			Bonds-	Continued			Life is	nsurance
Size of net worth	-, <u> </u>		Gove	rnment				quity
	Federal	savings	Other	Federal	State a	nd local	M	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Total Under \$250,000 ¹	92.7	3,682	152.9	27,927	235.7	49,725	294.1 1.8	5,705 54
\$250,000 under \$500,000	**5.7	**143	**6.0	**390	**8.9	**460	25.9	594
\$500,000 under \$1,000,000 \$1,000,000 under \$5,000,000	61.4 24.2	2,122 1,269	93.1 48.6	9,542 10,975	134.5 83.7	11,516 22,950	182.5 77.1	2,569 2,090
\$5,000,000 or more	1.3	147	5.2	7,020	8.7	14,800	6.8	397

				Types of asse	ts-Continued			
Size of net worth	Notes and	mortgages	Real	estate	Noncorporate (business assets	Other	assets
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Total	252.3 1.4 18.6 146.3 78.0 8.0	35,024 129 1,518 13,347 13,682 6,348	492.9 2.4 35.5 311.1 132.4 11.5	182,455 1,353 9,354 77,902 69,286 24,560	169.1 1.6 12.1 93.1 55.1 7.2	33,291 181 1,098 6,501 13,024 12,487	529.2 2.1 37.1 333.0 144.6 12.4	49,099 106 1,176 15,187 17,276 15,353

^{*} Estimate should be used with caution because of the small number of estate tax returns on which it is based.

Includes top wealthholders with negative net worth.
 NOTE: Detail may not add to totals because of rounding.

^{**}Data combined to avoid disclosure of information for specific estate tax returns.

¹ Includes top wealthholders with negative net worth. NOTE: Detail may not add to totals because of rounding.

Table 7A.—All Top Wealthholders With Gross Assets of \$325,000 or More, by State of Residence

		[Debts and	mortgages		. "	len	Wo	men	Millionaires	as defined by:
State of residence	Number of top wealth- holders	Total assets	Number _,	Amount .	Net worth	Number	Net worth	Number	Net worth		worth
· .	L			<u> </u>	İ		L	<u> </u>] _	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
United States, total	4,478.8	3,218,225	3,976.5	504,714	2,713,510	2,763.4	1,535,501	1,715.3	1,178,010	475.5	1,200,157
Alabama	44.8	31.813	41.4	4,000	27,813	32.0	18,338	12.7	9.475	7.2	14,402
Alaska	18.0	11,121	17.3	2,571	8,550	13.7	6,266	4.3	2,284	1.8	3,448
Arizona	67.3	53,998	59.9	6,022	47,976	37.8	19,637	29.5	28,338	7.0	24,058
Arkansas	31.8	24,715	27.6	4,752	19,963	21.6	10,835	10.2	9,128	4.7	9,301
California	689.4	598,487	607.7	98,479	500,009	341.6	221,115	347.8	278,893	95.2	257,506
	83.3	70.049	73.4			l		}			í
Colorado	75.1	54,720	68.0	16,015	54,033	49.7	34,215	33.6	19,819	8.2	26,382
Connecticut				4,535	50,185	44.1	23,955	31.0	26,231	9.7	24,362
Delaware	13.7	8,222	11.8	1,347	6,875	7.6	4,145	6.1	2,729	0.8	2,234
Florida	288.1	229,310	246.9	35,141	194,170	169.8	114,157	118.3	80,013	41.8	97,606
Georgia	86.3	57,153	75.6	9,421	47,731	62.4	31,697	23.9	16,034	7.9	20,432
Hawaii	20:3	14,767	18.4	3,523	11,244	13.1	7,309	7.2 .	3,935	1.4	4,813
Idaho	18.5	11,380	· 16.1	3,443	7,937	9.6	3,354	8.9	4,584	1.0	2.074
Illinois	230.7	154,487	209.4	27.745	126,743	150.5	81,571	80.2	45,172	20.8	47,403
Indiana	80.3	48,387	64.8	8,009	40,378	49.5	25,780	30.8	14,598	7.6	14,702
lowa	105.6	58,303	92.3	12,658	45,645	73.9	30,125	31.7	15,520	4.7	10,528
	69.5	44,070	58.7	* *					1		
Kansas				6,121	37,949	46.9	26,256	22.6	11,693	4.2	12,700
Kentucky	49.6	31,524	45.2	5,275	26,249	34.7;	16,577	14.9	9,673	5.0	11,200
Louisiana	70.6	50,846	66.1	9,538	41,308	38.9	21,302	31.7	20,006	7.6	18,201
Maine	14.7	10,550	13.2	2,458	8,092	9.7	4,929	5.0	3,163	1.2	2,999
Maryland (includes District of											
Columbia)	88.9	65,458	76.1	7,735	57,723	62.3	36,741	26.6	20,982	9.8	28,489
Massachusetts	102.3	61,078	99.0	6.334	54,744	61.2	30,527	41.1	24,217	8.8	20,739
Michigan	111.8	68,734	98.9	8,913	59,822	76.5	38,342	35.4	21,479	9.8	22,199
Minnesota	90.6	56,643	78.5	12.055	44,588	74.7	34,156	15.9	10.433	6.4	15,418
Mississippi	33.9	18,320	30.3	3,793	14,526	25.0	10,326	8.9	4,200	1.6	3,107
Missouri	77.0	55,610	62.3	7,206	48,404	55.2	31,313	21.8	17,091	8.1	19.855
				·					· ·		. ,
Montana	25.5	16,539	22.2	4,600	11,939	16.7	7,714	8.8	4,226	1.9	4,385
Nebraska	57.0	36,002	48.3	7,550	28,452	39.6	17,864	17.4	10,588	4.1	8,016
Nevada	27.7	26,249	25.9	4,198	22,051	10.4	6,835	17.3	15,215	4.4	13,483
New Hampshire	13.6	9,387	13.0	1,677	7,710	9.9	5,610	3.7	2,100	1.3	3,547
New Jersey	141.7	89,787	128.0	11,902	77,885	97.3	49,331	44.4	28,554	11.6	29,223
New Mexico	14.6	11,530	13.0	3.168	8.362	9.2	4,736	5.4	3.626	1.6	3,602
New York	326.5	245,727	280.1	24.810	220,917	200.2	124,809	126,3	96,108	38.1	109,525
North Carolina	71.2	43,059	67.7	8,799	34,260	52.7	22,604	18.5	11,656	5.0	10,680
North Dakota	29.5	18,942	24.3	5.457	13,485	24.5	10,448	5.0	3,037	2.2	3,555
Ohio	141.5	86,605	130.0	12,498	74,106	88.0	43,199	· 53.5	30,907	13.0	27,143
Oklahoma	72.8	54,997	59.5	9,121	45,876	48.6	29,341	24.2	16,535	7.5	21,454
Oregon	51.5	28,866	41.3	3,922	24,943	32.2	14,056	19.3	10,887	2.6	5,259
Pennsylvania	144.6	95,247	133.0	13,051	82,196	92.7	45,620	51.9	36,576	13.8	33,475
Rhode Island	10.9	8,043	9.8	1,184	6,859	8.0	5,214	2.9	1,646	1.5	2,966
South Carolina	50.0	29,130	48.3	4,335	24,795	32.9	16,381	17.1	8,414	3.4	9,080
South Dakota	19.4	10,407	17.7	3,207	7,200	15.6	5.379	3.8	1,821	1.0	1,645
Tennessee	61.5	38,146	58.8	5,839	32,306	41.9	20,777	19.6	11,530	7.2	13,677
Texas	343.5	266,266	323.0	39,344	226,921	167.1	102,056	176.4	124,866	41.4	110,861
Utah	24.0	16,431	21.0	2,782	13,649	13.4	8,723	10.6	4,927	3.4	6,688
Vermont	10.3	8,844	7.8	710	8,134	6.6	5,858	3.6	2,276	1.4	4,242
	89.9	60,632	79.9	7,464	53,168					1	
Virginia Washington	75.5	56,157	79.9			61.8	34,707	28.1	18,462	8.0	25,067
	75.5 10.6		65.7	8,842	47,315	41.8	29,089	33.8	18,226	7.7	17,931
West Virginia		7,449	10.0	1,949	5,499	8.1	4,041	2.5	1 458	0.8	1,320.
Wisconsin	77.6	45,672	69.2	8,954	36,718	63.7	27,781	13.9	8,937	5.5	11,381
Wyoming	14.1	10,716	12.1	1,811	8,904	11.1	6,264	3.0	2,641	2.5	4,590
Other Areas ¹	11.3	7,647	^ ` 8.1 ´ {	448	7,199	6.8	4,098	4.5	3,101	1.9	3,204

¹ U.S. citizens domiciled abroad. Persons who acquired U.S. citizenship solely by virtue of being a citizen of Puerto Rico or the Virgin Islands are not included. NOTE: Detail may not add to totals because of rounding.

Table 7B.—All Top Wealthholders With Gross Assets Greater Than \$500,000, by State of Residence

United States, total 2, Alabama 2, Arizona Arkansas California Colorado Connecticut Celaware Florida Georgia Hawaii daho	op weath-holders (1) 2,233.1 23.6 8.8 34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5 44.4	Total assets (2) 2,464,225 25,467 8,118 42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609 42,630	Number (3) 2,033.2 22.1 8.7 30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0 41.5	Amount (4) 399,206 3,021 1,788 4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068 6,400	worth (5) 2,065,019 22,445 6,330 38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 6,054 93,775 26,395 26,969 26,452 19,299 31,839 6,457	Number (6) 1,408.7 16.4 6.5 19.5 14.0 183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4 4.6	1,187,818 14,266 4,707 14,618 9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533 17,589	Number (8) 824.5 7.1 *2.3 14.7 6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7 10.5 6.6 16.2	Net worth (9) 877,201 8,180 1,623 23,422 8,082 228,895 14,075 21,516 659 59,109 11,578 2,290 3,260 29,488 8,073 8,609 7,801 6,766
United States, total 2, Alabama Alaska Arizona Arkanasa California Colorado Connecticut Delaware Florida Georgia Hawaii daho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland (includes District of Columbia Mississippi Missouri Missouri Montana Nebraska New dar New Hampshire New Hersey New Mexico New York North Carolina North Dakota Ohio	2,233.1 23.6 8.8 34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8	2,464,225 25,467 8,118 42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	2,033.2 22.1 8,7 30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	399,206 3,021 1,788 4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	2,065,019 22,445 6,330 38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	1,408.7 16.4 6.5 19.5 14.0 183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	1,187,818 14,266 4,707 14,618 9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	824.5 7.1 *2.3 14.7 6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7 10.5 6.6	877,201 8,180 *1,623 23,422 8,082 228,895 14,075 21,516 659 59,109 11,578 2,290 3,260 29,488 8,073 8,609 7,801
Alabama Alaska Alaska Arizona Arkansas California Colorado Connecticut Delaware Florida Alaeorgia Alawaii Adaho Allinois Adaho Allinois Adaho Allinois Adana Alawaii Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Allinois Adaho Alana Alaho Alana Alaine Alaryland (includes District of Columbia Adasachusetts Alaine	23.6 8.8 34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8	25,467 8,118 42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	22.1 8.7 30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	3,021 1,788 4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	22,445 6,330 38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	16.4 6.5 19.5 14.0 183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	14,266 4,707 14,618 9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	7.1 *2.3 14.7 6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	8,180 *1,623 23,422 8,082 228,895 14,075 21,516 659 59,109 11,578 2,290 3,260 29,488 8,073 8,609 7,801
laska	8.8 34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	8,118 42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	8.7 30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	1,788 4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	6,330 38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	6.5 19.5 14.0 183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	4,707 14,618 9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	*2.3 14.7 6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	*1,623 23,422 8,082 228,895 14,075 21,516 659 59,109 11,578 2,290 3,260 29,488 8,073 8,609 7,801
laska	8.8 34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	8,118 42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	8.7 30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 6,054 93,775 26,395 26,969 26,452 19,299 31,839	19.5 14.0 183.6 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	14,618 9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	14.7 6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	23,422 8,082 228,895 14,075 21,516 659 59,109 11,578 2,290 3,260 29,488 8,073 8,609
Arizona Arkansas Alalifornia Colorado Connecticut Delaware Colorida Georgia Alawaii Adaho Ilinois Ilin	34.2 20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8	42,511 21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	30.8 17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	4,471 3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	38,040 17,404 407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 6,054 93,775 26,395 26,969 26,452 19,299 31,839	14.0 183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	9,322 178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	6.8 197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	8,082 228,895 14,075 21,516 659,100 11,576 2,290 3,260 29,486 8,073 8,600 7,801
Arkansas California Colorado Connecticut Delaware Glorida Glor	20.8 380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8	21,232 487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	17.9 337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	3,828 79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	183.6 26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	178,613 28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	197.1 17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	228,895 14,075 21,516 655 59,105 11,576 2,296 3,266 29,486 8,075 8,605 7,80
alifornia colorado connecticut elelaware lorida eleorgia dawaii daho linois diana cowa dansas centucky ouisiana Alaine Arayland (includes District of Columbia Alainesota diississipi diissouri dontana elebraska levada	380.7 44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5 44.4	487,466 56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	337.6 38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	79,958 13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	407,508 43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	26.9 22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	28,989 18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	17.6 18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	14,075 21,516 659,105 11,576 2,290 3,260 29,486 8,073 8,600 7,80
olorado connecticut lelaware lorida deorgia lawaii laho linois ladana lama lama lama lama lama lama lama l	44.5 40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	56,727 43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	38.6 38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	13,663 3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	43,064 39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	21,516 658 59,106 11,576 2,296 3,266 29,486 8,073 8,609 7,80
connecticut letaware lorida leorgia lawaii daho liniois lorida lawaii daho liniois lorida lawaii daho liniois lorida lawaii daho liniois loridana lowa lamasa letaretucky louisiana lariyland (includes District of Columbia lassachusetts litichigan litichi	40.6 4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	43,536 5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	38.9 4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	3,844 1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	39,693 4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	22.6 3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	18,177 3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	18.1 0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7	21,516 658 59,106 11,576 2,296 3,266 29,486 8,073 8,609 7,80
pelaware lorida abeorgia abergia daho linois ndiana bowa dansas dentucky ouisiana daine daryland (includes District of Columbia dansasacusetts dichigan dinnesota dinnesota dissouri dentucky dentucky ouisiana daine daryland (includes District of Columbia dassachusetts dichigan dinnesota dissouri dentucky dentucky dentucky ouisiana daine dain	4.4 154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	5,181 182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	4.1 137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	1,151 29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	4,030 152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	3.7 98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	3,371 93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	0.6 56.0 10.8 2.7 5.4 33.5 13.8 9.7 10.5 6.6	659,109 59,109 11,576 2,290 3,260 29,486 8,073 8,609 7,80
lorida	154.0 42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	182,854 43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	137.1 37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	29,875 7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	152,979 36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	98.0 31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	93,870 24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	56.0 10.8 2.7 5.4 33.5 13.8 9.7 10.5 6.6	59,109 11,576 2,290 3,260 29,486 8,073 8,609 7,80
seorgia	42.0 8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	43,633 10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	37.3 8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	7,309 2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	36,324 7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	31.2 6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	24,746 5,655 2,794 64,286 18,322 18,360 18,651 12,533	10.8 2.7 5.4 33.5 13.8 9.7 10.5 6.6	11,578 2,290 3,260 29,488 8,073 8,609 7,80
lawaii daho. linois dilano. linois dilana. debraska. devada. devada. devada. deva Jersey New Hampshire New Jersey New Mexico. New York. North Carolina. dorth Dakota. Dhio.	8.7 10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	10,864 8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	8.0 10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	2,919 2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	7,946 6,054 93,775 26,395 26,969 26,452 19,299 31,839	6.0 5.2 83.3 22.4 32.0 19.7 15.6 21.4	5,655 2,794 64,286 18,322 18,360 18,651 12,533	2.7 5.4 33.5 13.8 9.7 10.5 6.6	2,290 3,260 29,488 8,073 8,609 7,80
daho. linois	10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	2,393 22,642 7,088 9,404 4,024 3,647 7,566 2,068	6,054 93,775 26,395 26,969 26,452 19,299 31,839	5.2 83.3 22.4 32.0 19.7 15.6 21.4	2,794 64,286 18,322 18,360 18,651 12,533	5.4 33.5 13.8 9.7 10.5 6.6	3,260 29,488 8,073 8,609 7,801
daho. Ilinois Ilinois Indiana Owa Kansas Kentucky Ousiana Maine Maryland (includes District of Columbia Massachusetts Michigan Minnesota Mississippi Mississippi Myssouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Ohio	10.6 116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	8,448 116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	10.2 107.2 30.4 38.6 26.1 21.9 36.5 7.0	22,642 7,088 9,404 4,024 3,647 7,566 2,068	93,775 26,395 26,969 26,452 19,299 31,839	83.3 22.4 32.0 19.7 15.6 21.4	64,286 18,322 18,360 18,651 12,533	33.5 13.8 9.7 10.5 6.6	29,488 8,073 8,609 7,801
linois Indiana	116.8 36.2 41.7 30.2 22.2 37.5 7.8 45.5	116,416 33,484 36,373 30,476 22,945 39,405 8,525 51,609	107.2 30.4 38.6 26.1 21.9 36.5 7.0	22,642 7,088 9,404 4,024 3,647 7,566 2,068	26,395 26,969 26,452 19,299 31,839	22.4 32.0 19.7 15.6 21.4	18,322 18,360 18,651 12,533	13.8 9.7 10.5 6.6	8,073 8,609 7,801
ndiana	36.2 41.7 30.2 22.2 37.5 7.8 45.5	33,484 36,373 30,476 22,945 39,405 8,525 51,609	30.4 38.6 26.1 21.9 36.5 7.0	7,088 9,404 4,024 3,647 7,566 2,068	26,395 26,969 26,452 19,299 31,839	22.4 32.0 19.7 15.6 21.4	18,360 18,651 12,533	9.7 10.5 6.6	8,609 7,801
owa	41.7 30.2 22.2 37.5 7.8 45.5 44.4	36,373 30,476 22,945 39,405 8,525 51,609	38.6 26.1 21.9 36.5 7.0	9,404 4,024 3,647 7,566 2,068	26,969 26,452 19,299 31,839	19.7 15.6 21.4	18,651 12,533	10.5 6.6	7,801
Kansas Kentucky Duisiana Maine Maryland (includes District of Columbia Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska Newada New Hampshire New Jersey New Mexico New York North Carolina North Carolina	30.2 22.2 37.5 7.8 45.5 44.4	30,476 22,945 39,405 8,525 51,609	26.1 21.9 36.5 7.0	4,024 3,647 7,566 2,068	26,452 19,299 31,839	15.6 21.4	12,533	6.6	
Kentucky Louisiana Maine Maryland (includes District of Columbia Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska New Hampshire New Hersey New Mexico New York North Carolina North Dakota Ohio	22.2 37.5 7.8 45.5 44.4	22,945 39,405 8,525 51,609	21.9 36.5 7.0 41.5	3,647 7,566 2,068	19,299 31,839	15.6 21.4	12,533	6.6	
ouisiana Maine Maryland (includes District of Columbia Massachusetts Michigan Minnesota Mississippi Missouri Montana Nebraska New Hampshire New Hampshire New Mexico New York North Carolina North Carolina North Carolina North Carolina Ohio	37.5 7.8 45.5 44.4	39,405 8,525 51,609	36.5 7.0 41.5	7,566 2,068	31,839	21.4			0,700
Maine Maryland (includes District of Columbia Columbia Massachusetts Michigan Minnesota Mississippi Mississippi Mississippi Messouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota North Dakota Dhio	7.8 45.5 44.4	8,525 51,609	7.0 41.5	2,068			17.569 1		14,250
Maryland (includes District of Columbia	45.5 44.4	51,609	41.5		6,457	4.6			2,672
Columbia Aassachusetts Michigan Minesota Missouri Montana Hebraska Hevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Dhio	44.4	1		6 400			3,785	3.2	2,072
Columbia Massachusetts Michigan Minnesota Minssisippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Dhio	44.4	1		i 6400	1 1			400	15.00
Vlassachusetts Michigan Minnesota Mississippi Mississippi Mississippi Mississippi Missouri Montana Vebraska Vebraska Vewada Vew Hampshire New Jersey New Mexico Vew York North Carolina North Dakota		42 630	40.7	0,400	45,209	32.7	29,278	12.8	15,931
Michigan Minnesota Mississippi Mississippi Mississippi Montana Montana Mebraska Mevada Mew Hampshire New Hampshire New Jersey New Mexico New York Morth Carolina North Dakota Dhio				4,489	38,141	26.7	22,255	17.7	15,886
Minnesota Mississippi Missouri Montana Nebraska Nevada New Hampshire New Jersey New Mexico New York North Carolina North Dakota Dhio		48,945	46.4	5,409	43,535	36.9	29,192	13.8	14,343
Mississippi Missouri Montana Vebraska Nevada New Hampshire New Hersey New Mexico New Mexico New York North Carolina North Dakota Dhio		40,631	38.5	9,134	31,497	34.4	24,303	6.7	7,194
Missouri	41.1			2.437	9,268	12.1	7,243	2.4	2,025
Montana	14.5	11,705	13.2	6,127	37,008	32.3	24,611	9.3	12,39
Nebraska	41.6	43,135	36.0						
Nebraska	14.3	13,092	12.2	4,139	8,954	8.5	5,540	5.8	3,414
Nevada	30.1	25,718	27.2	6,315	19,403	23.0	12,372	7.1	7,03
New Hampshire	12.6	20,459	12.0	2,849	17,610	6.3	6,088	6.2	11,522
New Jersey New Mexico New York North Carolina North Dakota	7.3	7,810	6.9	1,352	6,459	4.6	4,713	2.8	1,745
New Mexico	64.4	64,707	58.1	9,492	55,215	46.4	36,296	18.0	18,919
New York		1 1	7.0	2,690	6.416	5.4	3,702	2.5	2.714
North Carolina North Dakota Ohio	7.8	9,106		18.802	169,161	98.5	97,467	52.8	71,693
North DakotaOhio	151.3	187,963	136.6		24,710	28.0	16,640	9.0	8.070
Ohio	37.0	31,777	35.5	7,067	9,421	15.2	7,397	*1.7	*2,024
	16.9	14,284	14.8	4,862		43.5	32,382	20.0	19,564
Oklahoma	63.5	61,322	59.8	9,376	51,946				
	36.8	43,270	30.0	7,727	35,543	25.4	23,870	11.4	11,673
Oregon	24.3	19,488	21.7	2,933	16,555	13.0	8,482	11.3	8,074
Pennsylvania	73.6	72.848	70.7	10,513	62,335	43.8	33,767	29.8	28,56
Rhode Island	5.5	6,287	5.4	1,014	5,273	4.3	4,307	1.2	96
South Carolina	20.0	20,329	19.5	3,105	17,224	13.3	12,258	6.7	4,96
			l		1	6.7	3,126	1.9	1,15
South Dakota	8.7	6,711	8.2	2,430	4,281		14,730	9.5	8.02
fennessee	27.4	27,277	25.8	4,524	22,753	17.9		9.5 84.4	96.53
Texas	175.9	209,965	168.0	30,965	179,000	91.5	82,461	3.9	2,91
Utah	11.0	12,033	9.4	1,853	10,180	7.1	7,266		1,41
Vermont	5.1	6,972	4.9	575	6,397	3.5	4,986	1.6	1
Virginia	41.5	45,503	37.7	5,039	40,464	30.2	27,321	11.3	13,14
Virginia	41.0	41,904	32.4	6,738	35,166	21.9	23,082	15.8	12,08
Washington	27.7	6,312	6.7	1,600	4,713	5.4	3,475	1.8	1,23
West Virginia	37.7	32,131	33.9	6,975	25,156	28.1	18,313	7.8	6,84
Wisconsin	7.2		6.4	1,337	7,073	5.2	4,861	1.8	2,21
Wyoming Other Areas ¹		8.409	1 0.4	281	5,951	4.2	3,376	3.1	2.57

Footnotes at end of table.

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Table 7B-All Top Wealthholders With Gross Assets Greater Than \$500,000, by State of Residence-Continued

]				Selecte	ed assets				•
State of residence	С	esh	Corpora	ate stock	Во	nds	Real	estate	Noncorporate	business assets
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
United States, total	2,178.0	205,960	1,842.9	737,964	980:7	173,635	2,074.3	800,391	971.8	191,128
labama		1,687	19.9	6,767	11.2	1,381	23.0	8,302	10.8	1,845
daska	8.8	577	5.2	1,765	1.4	98	8.5	3,733	5.9	1,021
rizona	32.9	2,470	28.1	18,172	13.6	1,954	32.4	11,999	16.7	2,735
rkansas	20.3	2,452	16.4	4,193	8.5	3,375	19.3	6,504	9.8	1,247
alifornia	370.3	33,905	301.2	123,506	146.6	23,706	363.4	202,568	174.6	45,124
olorado	44.3	4,092	36.0	14,768	17.5	2.676	.41.2	20,600	21.7	7,597
onnecticut	38.9	4.007	35.1	17,536	22.4	4.116	34.8	11,014	9.8	1.011
elaware	4.2	570	3.9	1,712	1.9	387	4.2	1,352	1.8	545
lorida	149.8	15,824	125.5	52,078	77.1	21,148	143.4	57,377	49.7	10.049
ieorgia	40.8	3,100	35.6	14,390	15.8	1,730	39.1	13,880	15.7	2,770
	!	, ·				1		1 .	1	1
ławaii	8.4	501	7.2	2,376	3.0	899	, 8.5	, 5,840.	3.5	467
daho	9.6	662	6.6	1,081	2.7	328	10.0	3,819	7.8	1,048
linois	114.6	11,856	100.2	34,443	55.6	9,115	107.4	34,590	47.0	8,182
ndiana	35.5	2,834	27.4	10,818	14.3	2,430	35.0	11,722	13.9	1,776
owa	40.8	2,178	. 36.5	8,309	16.0	. 1,435	39.0	15,328	28.1	4,497
ansas	29.4	2.933	24.9	9,045	13.9	. 2,282	28.5	9.832	18.8	2.790
entucky	21.8	2,120	19.9	9,293	13.2	1,790	21.1	6,611	10.2	800
ouisiana	36.6	3.197	33.9	11,425	18.8	2,414	35.9	14,440	15.2	2,202
faine	7.8	719	7.5	3,723	3.4	449	7.2	1,564	2.1	657
laryland (includes District of	l	1	1	. 0,	J • • • • • • • • • • • • • • • • • • •	1	·	1 ,,,,,,,	l ~	"
Columbia	44.8	4,136	40.2	14,125	24.0	3,635	41.3	15,067	15.9	4,164
		1	-	· ·						ſ
Aassachusetts	44.1	4,253	36.9	16,696	24.8	4,764	39.8	9,443	10.3	1,368
/lichigan	48.9	5,188	41.2	17,481	23.1	3,891	45.6	10,792	21.6	3,861
Minnesota	39.9	2,342	33.1	10,738	15.6	1,833	39.8	16,801	23.9	4,357
Mississippi	14.1	1,147	11.5	2,436	6.2	587	13.6	4,024	5.7	1,165
Aissouri	40.0	2,993	33.7	16,766	17.9	3,769	36.8	10,761	20.0	2,495
Montana	14.2	1,064	9.4	2,312	5.1	357	13.7	5,695	7.6	1,232
lebraska	28.9	1,830	22.3	4,701	10.8	1,207	29.6	11,514	22.4	3.569
Nevada	12.4	2,270	10.1	5,569	4.9	1,866	11.9	7,478	7.3	876
New Hampshire	7.3	943	5.7	3,104	3.4	703	6.0	1,793	1.3	100
New Jersey	62.6	6,280	55.8	24,661	36.8	7,282	60.3	15,794	19.6	3,157
lew Mexico	7.7	656	5.5	2,066	2.9	273	7.8	2,820	3.9	346
New York	145.6	19.107	132.8	69,276	87.7	23.036	119.2			
Vorth Carolina	36.1	2,850	32.4	10,063	15.9	1,703	36.0	35,114	45.7	13,119 1,664
Vorth Dakota	15.7	2,650 768	32.4 11.9	1,373	5.0	1,703	16.6	11,257 6,957	14.2 12.2	2,569
Ohio	62.1	5,875	56.2	23,705	26.6	3,542.	57.2	15,528	22.8	3,060
	1		1		1		1	1	1	1
Oklahoma	35.2	4,498	27.2	13,870	10.7	1,655	34.4	12,859	16.4	3,516
Pregon	24.1	1,875	17.5	4,271	7.8	1,104	23.2	6,800	11.9	1,828
ennsylvania	73.3	6,753	66.5	28,220	41.3	7,224	67.1	16,861	21.6	3,818
hode Island	5.4	566	4.9	2,581	4.2	. 714	5.0	1,656	1.2	88
outh Carolina	19.7	1,866	17.1	7,483	9.4	931	18.2	5,595	7.5	1,147
outh Dakota	7.7	468	5.6	1.196	2.6	139	8.6	2,687	6.7	1,591
ennessee	26.5	2,883	23.6	8,376	12.2	1,484	27.3	7,771	12.1	1,597
exas	174.3	18,229	147.1	52,981	60.8	9.887	. 171.1	73,518	101.0	19,877
tah	10.9	705	7.6	3,780	3.6	551	9.6	4,127	5.6	871
ermont	5.1	398	4.9	3,721	3.2	783	4.9	1,226	3.0	134
	40.9	l .	1	1		1	1 .	1	1	i e
irginia	40.9 	3,143	35.2	14,323	19.2	2,664	38.4	12,776		4,326
/ashington		2,922	30:4	9;719-	16.1	3,051	36.1	16,626	21.6	4,166
/est Virginia	7.0	664	6.5	2,612	2.9	256	7.1	1,616	2.6	331
/isconsin	34.2	2,023	28.4	10,339	14.0	1,705	34.7	10,170	20.6	3,208
/yoming	7.0	1,019	5.1	1,731	1.9	399	6.7	3,168	3.8	572
ther Areas ¹	7.1	565	5.6	2,291	3.2	⁻ 786	5.1	1,024	2.6	593

^{*} Estimate should be used with caution because of the small number of sample estate tax returns on which it is based.

U.S. citizens domiciled abroad. Persons who acquired U.S. citizenship solely by virtue of being a citizen of Puerto Rico or the Virgin Islands are not included. NOTE: Detail may not add to totals because of rounding.

Estimates of Personal Wealth, 1986

by Marvin Schwartz and Barry W. Johnson

Approximately 3.3 million people had gross assets of \$500,000 or more in 1986 according to estimates of personal wealth derived from estate tax returns using the "estate multiplier technique." These individuals, the Nation's "top wealthholders," represented only 1.9 percent of the Nation's adult population [1]. Their net worth was nearly \$3.8 trillion and accounted for approximately 28.5 percent of the personal wealth in the United States in 1986 [2]. In contrast, 2.2 million people had gross assets of \$500,000 or more in 1982 [3]. The net worth of these top wealthholders was approximately \$2.1 trillion.

Just as the total number of top wealthholders increased between 1982 and 1986, so too did the number of millionaires among them. Approximately 941,000 individuals had a net worth of \$1 million or more in 1986, nearly twice the 475,000 in 1982. This followed a sharp increase from the 180,000 millionaires estimated for 1976.

ESTIMATING PERSONAL WEALTH FROM ESTATE TAX RETURNS

The measurement of personal wealth in the United States has attracted considerable attention in recent years. This interest has been stimulated by a number of factors. The effects of changes in the tax law, and other public policies, on the economy and on the concentration of wealth has focused attention on this subject. Accurate and comprehensive estimates of wealth, however, are difficult to obtain because individuals are not required to regularly report wealth information on any tax return or other public document. Several alternative approaches, each with its own merits, have been developed [4]. The estimates presented here are based on the "estate multiplier technique." This approach utilizes administrative records, in particular, estate tax returns filed for the deceased, to estimate the wealth of the living population.

The estate multiplier technique can be used to estimate wealth for all individuals whose assets exceed the estate filing requirement in effect for a particular year. While the increase in the filing requirement from \$60,000 for decedents who died in 1976 to \$500,000 for those who died in 1986 has served to limit the scope of the estimates, the estate tax return still serves as a valuable source of information on the wealthy. From these returns, estimates of wealth can be provided for the top 1 to 2 percent of the Nation's wealthholders; that is, those individuals or "top wealthholders" who control the largest portion of the personal wealth in the United States. (The estimation technique is discussed in greater detail later.)

The estimates of personal wealth in 1986 are the result of continuing efforts by the Internal Revenue Service to improve the accuracy of the data [5]. In the past, wealth estimates, such as the preliminary estimates for 1982, were derived from the Statistics of Income sample of estate tax returns filed in a particular year [6]. Because a decedent's estate has up to 9 months to file an estate tax return and an extension of 6 months is not uncommon, returns filed in a given year can include deaths that occurred over several years. Thus, wealth estimates generated from a sample selected on a filing year basis actually reflected the value of wealth held during several years, and are therefore subject to different economic conditions based on the year of death.

The personal wealth estimates for 1986 presented here are based on estate tax returns filed from 1986 through 1988 for individuals who died in 1986 [7]. By sampling returns filed over this 3-year period, the returns filed for nearly all individuals who died in 1986 can be captured. By looking at the wealth of a single year, rather than a series of years, the estimates more accurately reflect wealth at a particular time.

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^{*}Foreign Special Projects Section. Prepared under the direction of Michael Alexander, Chief.

As the level of gross estate (or gross assets) required for filing an estate tax return has increased, the definition of top wealthholders also has changed. The level of wealth to which these estimates apply is \$500,000 or more of gross assets. The gross estate criterion is a Federal estate tax concept of wealth that does not conform to the usual definitions of wealth, primarily because it includes the face value of life insurance in the wealth of the decedent. Therefore, three measures of wealth are used in this article: gross assets (or gross estate), total assets, and net worth.

Gross assets reflect the gross value of all assets, including the full face value of life insurance reduced by policy loans but excluding any reduction for other indebtedness [8]. This measure defines the individuals included in the top wealthholder group. The amount of total assets, a lower wealth value, is still essentially a gross measure. Total assets differs from gross assets in that the cash value of life insurance, i.e., the value of insurance immediately before the policyholder's death, replaces the "at death" value of life insurance included in gross assets [9]. Net worth, the level of wealth after all debts have been removed, also includes the cash value of life insurance.

PERSONAL WEALTH IN 1986

Female wealthholders accounted for 41.2 percent of the 3.3 million top wealthholders in 1986 (see Figure A) compared with 36.9 percent at a corresponding level in 1982. While this increase continued a recent trend, it was also due, in part, to a change in the estate tax law in 1982. This change permitted bequests to the surviving spouse of a decedent to go untaxed.

Figure A.—Top Wealthholders With Gross Assets of \$500,000 or More, by Sex, 1986

[Number of wealthholders in thousands; amounts in billions]

Item	Total	Male	Female	
	, (1)	(2)	(3)	
Number of top wealthholders	3,329	1,957	1,372	
Total assets	\$4,321	\$2,557	\$1,764	
Debts and mortgages	554	395	160	
Net worth	3,767	2,163	1,604	
Average net worth	1,131	1,105	1,169	

Note: Detail does not add to totals because of rounding.

Women, holding 42.6 percent of the net worth of top wealthholders, were on average wealthier and had fewer debts than their male counterparts. Their

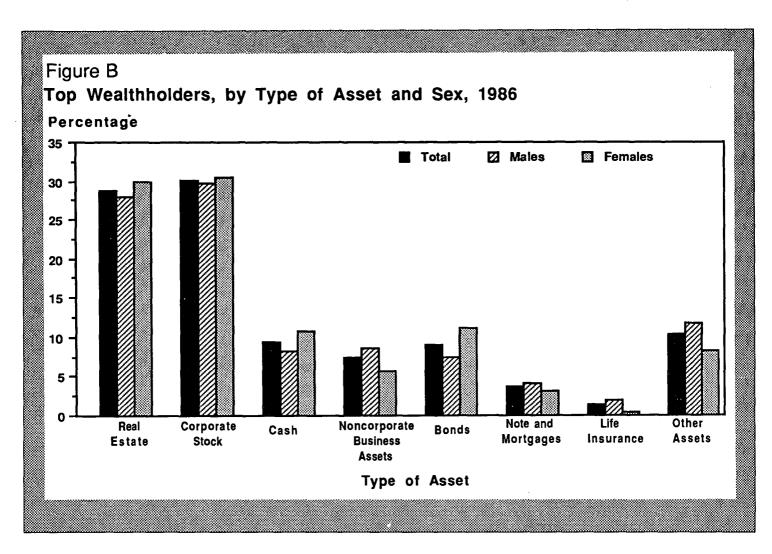
average net worth was 6 percent higher than that of male top wealthholders. The debt burden, i.e., amounts owed as debts and mortgages, of women was only 9 percent of their total assets compared to 15.4 percent for men. In part because they had fewer debts, just 15 percent of the female top wealthholders had net worth below \$500,000, while nearly one third of the male top wealthholders had net worth below that level.

Composition of Assets

In 1986, corporate stock constituted the largest share of the assets held by top wealthholders (see Figure B). This is a departure from the portfolio mix observed in 1981 and 1982 when real estate was the predominant asset. Previous to that, corporate stock comprised the largest share of the portfolio of the wealthy. Considering the relative performance of the real estate and stock markets between 1982 and 1986, this reversal was not unexpected. The Dow Jones Industrial Average more than doubled during this period, rising 103 percent, while the Price Index of New One-Family Houses Sold rose a comparatively modest 14 percent [10, 11].

Once again, cash at 9.3 percent of the assets was the third most commonly held asset. Bonds and noncorporate business assets, however, switched positions of importance [12]. The share of assets held as bonds increased from 7 percent in 1982 to 9 percent in 1986, while noncorporate business assets remained constant at 7.5 percent. With 70 percent of the bonds held by top wealthholders consisting of State and local Government bonds, the 56 percent increase in the Standard and Poor's Municipal Bond Price index during this period provides some insight into the increase [10].

A look at the composition of assets by sex shows that the share of wealth held in the form of corporate stock was similar for men and women. Real estate, the other major asset in the portfolio of the wealthy, represented a slightly larger share of the wealth of females, 30 percent compared to 28 percent for males. Noteworthy differences in the proportion of assets held by men and women were observed for several other types of assets. Bonds made up 11.2 percent of women's assets in 1986, compared with 7.5 percent for men. Conversely, wealth held by men was characterized by a greater concentration in noncorporate business assets, nearly 9 percent, compared with only 5.7 percent for women. An examination of all other asset types shows that notes



and mortgages and life insurance constituted a more significant portion of the assets of men, while cash represented a greater share of the assets of women. Another noteworthy difference in the portfolios of men and women was in the share of assets held as "other assets." ("Other assets" includes intangible and depletable assets, annuities, pensions, and personal property.) Nearly 12 percent of the assets of men were classified as "other assets" compared with just 8.3 percent for women.

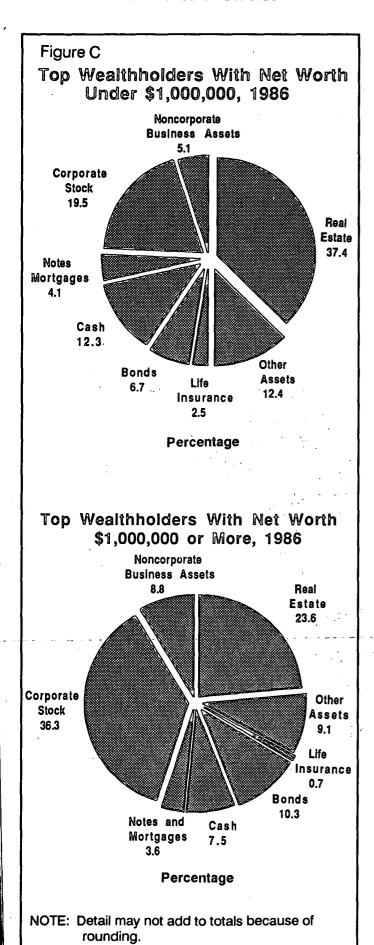
Although corporate stock constituted the greatest share of assets in the portfolio of top wealthholders, the proportions of wealth held as corporate stock and real estate were quite different for millionaires and "sub-millionaires," that is, those top wealthholders whose net worth was less than \$1 million (see Figure C). Corporate stock made up more than 36 percent of the assets of millionaires while just 23.6 percent of their assets were held as real estate. In contrast, real estate accounted for over 37 percent of the assets of sub-millionaires while 19.5 percent

of their assets were in corporate stock. In 1982, nearly 42 percent of the assets of sub-millionaires were held as real estate.

Cash and bonds were held in quite different proportions by the two groups. Whereas cash represented more than 12 percent of the assets of the less wealthy group, they were, at 7.5 percent, a less significant asset in the portfolio of millionaires. Proportionately, millionaires held more corporate stock, bonds, and noncorporate business assets, and less real estate, cash, notes and mortgages, life insurance and "other assets," than the sub-millionaires.

Geographic Distribution of Wealth

Estimates of personal wealth using the estate multiplier technique for a limited population, for instance, by state, are subject to high variance making it difficult to reliably estimate wealth for the extremely wealthy. Thus, the estimates by state presented



here are limited to those individuals whose net worth is not in excess of \$10 million. (Only 25,000 top wealthholders were excluded from these estimates.)

In 1986, nearly 560,000 of these 3.3 million top wealthholders in the United States lived in California. New York, with 340,000, had the second highest number of top wealthholders, displacing Texas, which dropped to third. Florida with its rapid growth and attractive tax policy (no State income tax) was a close fourth behind Texas whose economy showed the effects of the decline in oil prices.

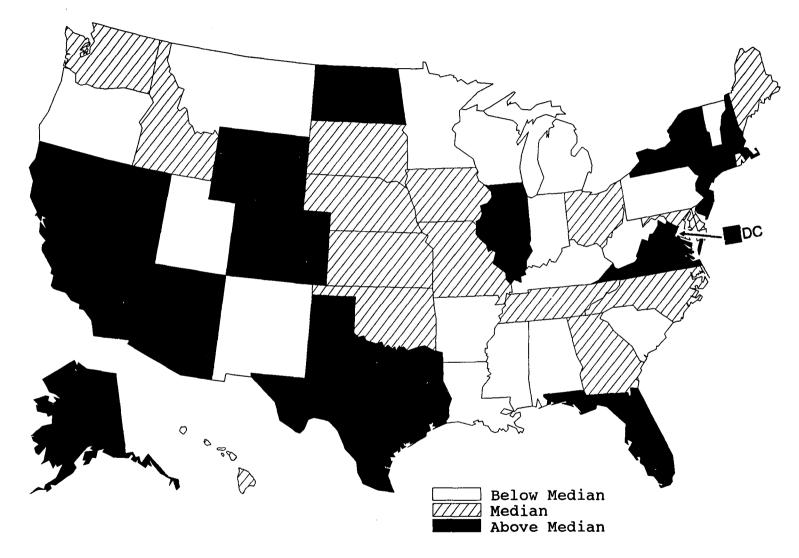
Looking at wealth on a per capita basis presents a somewhat different picture of wealth in this country by eliminating the distortions caused by the large populations of some states. For instance, Connecticut, the 25th most populous state (adults), had the highest concentration of top wealthholders, 327 per 10,000 adults [13]. This compared with the 198 top wealthholders per 10,000 adults for the Nation. California with 17 percent of the Nation's top wealthholders and 11 percent of the adult population, still had the third highest concentration of top wealthholders with 299 per 10,000. On the other hand, Pennsylvania, ranked seventh in the number of top wealthholders, had a relatively low concentration of wealthy individuals, just 134 per 10,000 adults. As shown in Figure D, wealth appears to be more heavily concentrated in the Southwest--with the exception of New Mexico--and in the Northeast.

ESTATE MULTIPLIER TECHNIQUE

Researchers have been using the estate multiplier technique since the beginning of the 20th century to draw conclusions about the wealth of the living population through knowledge of the wealth of the deceased [14]. (Financial records were used as early as 1864 to estimate total personal wealth by a related technique.) The technique assumes that estate tax returns taken as a whole represent a random sample, designated by death, of the living population. Death, however, is not a truly random event and therefore is not a simple representative sample of the living population under consideration. It does, however, provide a means of producing reasonable estimates of personal wealth utilizing existing data.

The probability that a person will die in a given year depends on the particulars of one's life. Age and sex are usually taken as indicators of these conditions.





NOTE: The median concentration of top wealthholders by State was 143 to 183 per 10,000 adults.

If one knows the mortality rate and the number of deaths for each age and sex group, one can approximate the population of living wealthholders [15].

Vital to the estimation of personal wealth is the use of a mortality rate appropriate to the top wealthholder population. This is essential to the estimates because there is much evidence that the wealthy have mortality rates that are lower than those of the population as a whole. In other words, social class also is a determinant in the "selection of the sample" [16]. Therefore, an adjustment to the general mortality rates is necessary.

The mortality rates assumed to approximate those of the wealthy are based on the mortality experience of the Metropolitan Life Insurance Company's preferred-risk policyholders [17]. As part of the effort to improve the accuracy of these estimates, the Internal Revenue Service developed new mortality differentials based on Metropolitan Life data for a series of years. Thus, the effect of the sampling variance of death has been reduced. Multipliers are then derived using the inverse of the adjusted mortality rates for each decedent according to age and sex. These multipliers, applied to sampled estate tax return data, produce wealth estimates for the living population.

The estimates of personal wealth for 1986 are based on a stratified sample of estate tax returns filed between 1986 and 1988 for individuals dying in 1986. This approach, first used for the updated 1982 estimates, is a departure from the filing year approach used for the preliminary 1982 estimates and for the estimates for earlier studies [3,6].

The strength of the estate multiplier technique is due, in part, to the large sample size. The 13,694 returns sampled during the 3-year period for 1986 decedents was considerably larger than the samples selected for other studies for comparable levels of wealth. Yet, despite the large overall sample size, the limited number of returns filed each year for decedents who were young (under 40 years of age) or very wealthy (gross assets of \$5 million or more) can make results for these categories subject to considerable variance.

Death's achieved sample of these relatively young and very wealthy decedents in a given year can

distort estimates of the wealth of the living. Death samples at varying rates which tend to average out over a period of years. This can result in large short-term fluctuations for a given year. When death "selects" a smaller sample, i.e., fewer deaths for a segment of the population during a sample year, wealth estimates of that segment will be lower than the true population values. Similarly, too large a sample produces estimates that overstate the wealth of the population.

In order to reduce the variability of the estimates, the sample of estate tax returns is designed so that it is stratified by age as well as by size of gross estate. All returns filed for both the very wealthy (those with gross estates of \$5 million or more) and the young (those under 40 years of age) were selected for the study. Thus, the sampling variance introduced by the IRS sample for returns of relatively young or wealthy decedents was eliminated.

The variability of the final estimates for very wealthy and relatively young individuals was further reduced by including in the sample all returns filed for non-1986 decedents during the 3-year period. These segments of the sample were then poststratified and reweighted to represent the true 1986 decedent population. This technique reduces the affect of outliers on the estimates of the type and amount of wealth for the young and very wealthy.

Further adjustments to the estimation technique have been incorporated in a continuing effort to improve the accuracy of the estimates. The use of returns for a particular year of death filed during a 3-year period is dependent upon all or nearly all the returns being filed timely for that year, or, alternatively, an awareness of the number of missing or yet-to-be filed returns. Data for prior years have enabled us to estimate the number of unfiled returns for 1986 decedents. This adjustment proved to be age dependent since the likelihood of the return being filed timely increases with the decedent's age.

Basing the estimates on returns for a single year of death eliminated much of the distortion of inflation on the estimates. However, the problem was not entirely eliminated due to the use of all returns for the young and wealthy decedents regardless of the year of death. Money amounts for these individuals were converted to 1986 dollars to further reduce the effects of inflation on the estimates.

SUMMARY

For 1986, approximately 3.3 million people--1.6 percent of the adult population of the United States-held gross assets of \$500,000 or more. The net worth of these individuals was nearly \$3.8 trillion and accounted for almost 28.5 percent of the personal wealth in this country.

Wealthy women, although still the minority of top wealthholders, nevertheless increased their representation from just under 37 percent in 1982 to 41.2 percent in 1986. Their average net worth, \$1,169,000 was 6 percent higher than that of male top wealthholders.

Corporate stock constituted the largest share of the assets held by top wealthholders. Real estate, the predominant asset in the portfolio of the wealthy in 1982, comprised the next largest share of the assets. Together they represented nearly 59 percent of the assets of top wealthholders.

DATA SOURCES AND LIMITATIONS

Sample Selection Criteria

The 1986 estimates of personal wealth are based on data from a sample of estate tax returns, Form 706, processed by the Internal Revenue Service between 1986 and 1988. The sample was stratified according to the year of death and age of the decedent, along with the size of the gross estate. The returns were selected during the 3-year period at annual rates that ranged from 7 percent to 100 percent with weights appropriate to each year maintained.

Of the returns filed during the 1986-1988 period, only those filed for individuals dying in 1986 were selected, with two exceptions. All returns for the very wealthy (those with gross estates of \$5 million or more) and individuals under 40 years of age were selected, regardless of the year of death. The estate sample weights for those returns were adjusted accordingly. Other returns filed during this period for individuals who died in years other than 1986 were not used for these estimates.

Limitations

Because the data in this article are estimated on the basis of a sample of estate tax returns filed with the Internal Revenue Service, they are subject to sampling as well as nonsampling error. For proper use of the statistical data, the magnitude of the potential sampling error should be considered. Estimates of the coefficients of variation (CV's) for frequency estimates can be obtained by writing the authors at the Internal Revenue Service, Statistics of Income Division R:S:F, P.O. Box 2608, Washington, DC 20013-2608.

Estimates of personal wealth using the estate multiplier technique are subject to further limitations. Since the data are obtained prior to audit, the possibility exists of some understatement of the value of certain assets. This and other issues concerning the accuracy of these estimates are discussed by Scheuren and McCubbin in an earlier publication [5].

NOTES AND REFERENCES

- [1] U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 1045, United States Population Estimates, by Age, Sex, Race, and Hispanic Origin: 1980 to 1988. While the onset of adulthood is more commonly considered to be 18 or 21 years of age, it is defined here as 20 years of age because of the available mortality data used to develop these estimates.
- [2] Information on the wealth of the U. S. population is derived from the 1986 Survey of Consumer Finances sponsored by the Federal Reserve Board. See Avery, Robert B. and Kennickell, Arthur B., "Household Saving in the U. S.," Review of Income and Wealth (forthcoming).
- [3] Schwartz, Marvin, "Estimates of Personal Wealth, 1982: A Second Look," Statistics of Income Bulletin, Spring 1988, Volume 7, Number 4, 1988.
- [4] Scheuren, Fritz, and McCubbin, Janet, "Piecing Together Personal Wealth Distributions," Statistics of Income and Related Administrative Record Research: 1986-1987, U.S. Department of the Treasury, Internal Revenue Service, 1987.
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- ment of the Treasury, Internal Revenue Service, 1987.
- [6] Schwartz, Marvin, "Preliminary Estimates of Personal Wealth, 1982: Composition of Assets," *Statistics of Income Bulletin*, Winter 1984-1985, Volume 4, Number 3, 1985.
- [7] Johnson, Barry W., "1986-1988 Estate Tax Returns," *Statistics of Income Bulletin*, Spring 1990, Volume 9, Number 4.
- [8] Post-mortem dividends and interest are included in the value of the life insurance reported on estate tax returns.
- [9] For a detailed explanation of the estate multiplier technique and the computation of the equity value of life insurance, see Statistics of Income--1972, Personal Wealth Estimated from Estate Tax Returns, U.S. Department of the Treasury, Internal Revenue Service, 1976.

Compared to the state of the following the confidence of the

- [10] U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, various issues.
- [11] U.S. Bureau of the Census, Construction Reports, Series C-27, Price Index of New One-Family Houses Sold, First Quarter 1990.
- [12] Noncorporate business assets include the net value of sole proprietorships, farms, and inter-

- ests in partnerships, except for the value of the real estate associated with the business or farm.
- [13] Population estimates by state for 1986 were obtained from the U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 1058, State Population and Household Estimates: July 1, 1989. Adults are defined for purposes of this discussion as individuals 21 years of age or over because of the availability of the data.
- [14] Lampman, Robert J., The Share of Top Wealthholders in National Wealth, 1922-56, Princeton University Press, 1962.
- [15] Smith, James, and Calvert, Staunton, "Estimating the Wealth of Top Wealthholders from Estate Tax Returns," 1965 American Statistical Association Proceedings, Section on Business and Economics Statistics.
- [16] Kitagawa, Evelyn M., and Hauser, Philip M., Differential Mortality in the United States: A Study in Socioeconomic Epidemiology, Harvard University Press, 1973.
- [17] The authors are extremely grateful for the continued support received from the Metropolitan Life Insurance Company, beginning with the late Mortimer Spiegelman and continuing most recently with Frances Baffa, who provided the mortality data used in the computation of the estate multipliers.

Table 1.—All Top Wealthholders with Gross Assets of \$500,000 or More, by Size of Net Worth

	Total a	assets	Debts and	mortgages	Net	worth	iotal a	ssets by type
Size of net worth							Re	al estate
	Number	Ámount	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	3,329.4	4,321,202	2,943.7	554,496	3,329.4	3,766,70	6 3,041.6	1,241,88
nder \$250,000 ¹	291.2	118,635	282.3	112,174	291.2	6,46	0 265.9	58,59
250,000 under \$500,000	548.9	306,901	510.6	87,731	548.9	219,17		141,58
						1,066,54		401,35
600,000 under \$1,000,000	1,548.3	1,182,818	1,304.7	116,277	1,548.3		1,390.4	
,000,000 under \$2,500,000	710.0	1,148,848	633.0	98,132	710.0	1,050,71		335,57
2,500,000 under \$5,000,000	150.3	574,279	138.0	61,063	150.3	513,21		137,25
5,000,000 under \$10,000,000	55.5	412,160	51.2	38,314	55.5	373,84		89,08
10,000,000 or more	25.0	577,561	23.9	40,805	25.0	536,75	6 24.1	78,43
				Total assets by	type (continued)			
								Bonds
Size of net worth	Corpora	ite stock	Ca	ash	Noncorporate	business assets		Total
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	2,692.4	1,299,492	3,248.5	401,968	1,299.5	322,595	1,657.9	387,803
nder \$250,000 ¹	165.1	11,242	269.2	6.823	101.5	11,648	44.7	1,306
250,000 under \$500,000	415.4	43,431	532.8	28,956	218.2	16,230		7,30
						54,944		99,25
500,000 under \$1,000,000	1,268.1	258,942	1,523.3	162,632	510.6			117.789
1,000,000 under \$2,500,000	627.0	319,063	695.6	110,357	329.1	87,610		
2,500,000 under \$5,000,000	140.0	210,520	147.7	40,454	87.2	49,164		58,542
5,000,000 under \$10,000,000	52.4	170,314	55.1	23,376	34.8	39,543		48,638
							19.8	54,962
10,000,000 or more	24.5	285,979	24.9	29,370	18.0	63,457	10.0	34,502
10,000,000 or more	24.5	285,979	24.9		type (continued)	63,457		34,302
	24.5	285,979	24.9	Total assets by		63,457		34,302
Size of net worth	State a	-	Corpor	Total assets by	type (continued)	vings bonds		Federal bonds
	State a Governm	nd local ent bonds	Corpor foreign	Total assets by Bonds (cate and bonds)	type (continued)			
	State a Governm Number	nd local ent bonds Amount	Corpor foreign Number	Total assets by Bonds (cate and	type (continued) continued) Federal sa	vings bonds	Other	Federal bonds
Size of net worth	State a Governm Number (17)	nd local ent bonds Amount (18)	Corpor foreign Number (19)	Total assets by Bonds (cate and bonds Amount (20)	type (continued) continued) Federal sa Number (21)	vings bonds Amount (22)	Other I Number (23)	Federal bonds Amount (24)
Size of net worth	State a Governm Number (17) 1,173.3	nd local ent bonds Amount (18) 269,919	Corpor foreign Number (19) 554.2	Total assets by Bonds (cate and bonds Amount (20) 31,009	type (continued) continued) Federal sa Number (21) 360.6	Amount (22)	Other I Number (23) 508.8	Federal bonds Amount (24) 78,344
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1	nd local ent bonds Amount (18) 269,919 1,137	Corpor foreign Number (19) 554.2 9.8	Total assets by Bonds (cate and bonds Amount (20) 31,009	type (continued) continued) Federal sa Number (21) 360.6 18.7	Amount (22) 8,532 31	Other (23) 508.8 *3.6	Federal bonds Amount (24) 78,344
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1	nd local ent bonds Amount (18) 269,919 1,137 4,812	Corpor foreign Number (19) 554.2 9.8 40.8	Total assets by Bonds (cate and bonds Armount (20) 31,009 84 872	type (continued) Federal sa Number (21) 360.6 18.7 60.3	vings bonds Amount (22) 8,532 31 426	Other I Number (23) 508.8 *3.6 35.1	Federal bonds Amount (24) 78,344 *54 1,198
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864	Corpor foreign Number (19) 554.2 9.8 40.8 301.7	Total assets by Bonds (contained and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by and assets by an asset by an ass	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0	Amount (22) 8,532 31 426 5,028	Other I Number (23) 508.8 *3.6 35.1 288.2	Federal bonds Amount (24) 78,344 54 1,198 23,551
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1	Total assets by Bonds (cate and bonds Amount (20) 31,009 84 872 10,815 9,522	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2	Amount (22) 8,532 31 426 5,028 2,238	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0	Federal bonds Armount (24) 78,344 *54 1,198 23,551 22,473
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3	Total assets by Bonds (cate and bonds Amount (20) 31,009 84 872 10,815 9,522 3,218	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0	Amount (22) 8,532 426 5,028 2,238 607	Other I Number (23) 508.8 13.6 35.1 288.2 136.0 27.2	Federal bonds Amount (24) 78,344 1,198 23,551 22,473 8,088
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2	Total assets by Bonds (contact and ponds) Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0	Amount (22) 8,532 31 426 5,028 2,238 607 105	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2	Federal bonds Arriount (24) 78,344 54 1,198 23,551 22,473 8,088 8,324
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3	Total assets by Bonds (cate and bonds Amount (20) 31,009 84 872 10,815 9,522 3,218	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0	Amount (22) 8,532 426 5,028 2,238 607	Other I Number (23) 508.8 13.6 35.1 288.2 136.0 27.2	Federal bonds Amount (24) 78,344 54 1,198 23,551 22,473 8,088 8,324
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2	Total assets by Bonds (cate and a bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0	Amount (22) 8,532 31 426 5,028 2,238 607 105 98	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2	Federal bonds Arriount (24) 78,344 54 1,198 23,551 22,473 8,088 8,324
Size of net worth	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2	Total assets by Bonds (cate and a bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5	Amount (22) 8,532 31 426 5,028 2,238 607 105 98	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2	Federal bonds Amount (24) 78,344
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3	Total assets by Bonds (cate and a bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (contil	Amount (22) 8,532 31 426 5,028 2,238 607 105 98	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5	Federal bonds Amount (24) 78,344
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3	Total assets by Bonds (content and provided in bonds) Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (22) 8,532 31 426 5,028 2,238 607 105 98	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5	Federal bonds Amount (24) 78,344 54 1,198 23,551 22,473 8,088 8,324 14,656
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount	Total assets by Bonds (c ate and bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (22) 8,532 31 426 5,028 2,238 607 105 98	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8	Federal bonds Amount (24) 78,344 1,198 23,551 22,473 8,088 8,324 14,656 Amount (30) 444,786
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25)	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26)	Total assets by Bonds (cate and a bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (22) 8,532 31 426 5,028 2,238 607 105 98 nued)	Other (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other	Federal bonds Amount (24) 78,344
Size of net worth Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25) 1,151.6 66.2	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655	Total assets by Bonds (c ate and bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (28) Amount (22) 8,532 31 426 5,028 2,238 607 105 98 nued) :	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8	Federal bonds Amount (24) 78,344 *54 1,198 23,551 22,473 8,088 8,324 14,656 assets Amount (30) 444,786 14,203
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	nd local ent bonds Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25) 1,151.6 66.2 154.6	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655 14,515	Total assets by Bonds (ate and bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276 475	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (22) 8,532 31 426 5,028 2,238 607 105 98 nued)	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8 281.7 539.9	Federal bonds Amount (24) 78,344 1,198 23,551 22,473 8,088 8,324 14,656 Amount (30) 444,786 14,203 43,556
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25) 1,151.6 66.2 154.6 524.0	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655 14,515 46,252	Total assets by Bonds (cate and a bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276 475 997	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	wings bonds Amount (22) 8,532 426 5,028 2,238 607 105 98 nued) wmount (28) 9,550 0,161 1,320 8,272	Other (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other (29) 3,222.8 281.7 539.9 1,485.7	Federal bonds Amount (24) 78,344 1,198 23,551 22,473 8,088 8,324 14,656 Amount (30) 444,786 14,203 43,556 141,165
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25) 1,151.6 66.2 154.6 524.0 288.5	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655 14,515 46,252 44,624	Total assets by Bonds (c ate and c) bonds Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276 477 997 444	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (contil Life insurance equity per 4 3.8 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	Amount (28) 9,550 0,161 1,320 8,272 1,864	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8 281.7 539.9 1,485.7 690.0	Federal bonds Amount (24) 78,344 *54 1,198 23,551 22,473 8,088 8,324 14,656 Amount (30) 444,786 14,203 43,556 141,165 121,970
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	Mortga Number (25) 1,151.6 66.2 154.6 524.0 288.5 74.5	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655 14,515 46,252 44,624 19,804	Total assets by Bonds (cate and ponds) Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276 475 997 445	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (contillation in surance equity) ber 3.8 3.1 7.1 3.5	wings bonds Amount (22) 8,532 31 426 5,028 2,238 607 105 98 nued) : wount (28) 9,550 0,161 1,320 8,272 1,864 4,705	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8 281.7 539.9 1,485.7 690.0 146.4	Federal bonds Amount (24) 78,344 54 1,198 23,551 22,473 8,088 8,324 14,656 Amount (30) 444,786 14,203 43,556 141,165 121,970 53,836
Total	State a Governm Number (17) 1,173.3 20.1 95.1 577.5 347.6 83.2 32.6 17.3	Amount (18) 269,919 1,137 4,812 59,864 83,557 46,629 36,825 37,095 Mortga Number (25) 1,151.6 66.2 154.6 524.0 288.5	Corpor foreign Number (19) 554.2 9.8 40.8 301.7 152.1 29.3 12.2 8.3 ges and notes Amount (26) 163,124 4,655 14,515 46,252 44,624	Total assets by Bonds (cate and ponds) Amount (20) 31,009 84 872 10,815 9,522 3,218 3,384 3,114 Tot Numb (27) 2,360 276 475 997 445	type (continued) Federal sa Number (21) 360.6 18.7 60.3 194.0 72.2 10.0 4.0 1.5 al assets by type (continued)	Amount (28) 9,550 0,161 1,320 8,272 1,864	Other I Number (23) 508.8 *3.6 35.1 288.2 136.0 27.2 12.2 6.5 Other I Number (29) 3,222.8 281.7 539.9 1,485.7 690.0	Amount (24) 78,344 *54 1.198 23.551 22.473 8.088 8.324 14.656 Amount (30) 444,786 14,203 43,556 141,165 121,970

 ¹ Includes top wealthholders with negative net worth.
 *Estimate should be used with caution because of the small number of sampled estate tax returns on which it is based.
 Note: Detail may not add to totals because of rounding.

Table 2.—All Male: Top Wealthholders with Gross Assets of \$500,000 or More, by Size of Net Worth

en since and the second of the second of the second of the second of the second of the second of the second of	Total s	14 14 14 14 14 14 14 14 14 14 14 14 14 1	2 70 ft 2 ft 2 ft 2 ft		Net v		Total assets by type	
Size of net worth	,	:	Debts and mortgages		Net	earui	Real estate	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	, (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,957.4	2,557,384	1,743.2	394,671	1,957.4	2,162,692	1,803.1	714,752
Jnder \$250,000 1	248.6	103,475	242.3	102,698	248.6	777	227.7	49,697
250,000 under \$500,000	389.1	211,403	362.0	58,855	389.1	.152,548	367.1	90,268
500,000 under \$1,000,000	789.0	618,115	663.1	74,139	789.0	543,976	714.8 :	199,938
1,000,000 under \$2,500,000:	389.2	642,995	345.4	63,433	389.2	579,562	361.1	183,205
2,500,000 under \$5,000,000	93.0	356,532	84.7	38,191	93.0	318,340	86.2	81,026
5,000,000 under \$10,000,000	32.2	242,260	30.0	25,334	32.2	216,925	30.6	51,404
10,000,000 or more	16.4	382,584	15.7	32,021	16.4	350,564	15.6	59,214

Tota	l a	asots	by ty	me (c	ontinu	nd)

	Corporate stock		Cash				Bonds Total bonds				
Size of net worth					Noncorporate	business assets					
with the same of t	Number	Amount	Number	Amount	Number	Amount	Number	Amount			
and as a few states on the state of	(9)	**** 5 (10) * · · · ·	(i) (i) (i) (i)	12) ~ (12) ~ (12)	(13)	(14)	(15)	(16)			
Total	1,579.4	759,511	1,904.6	212,108	869.7	222,672	878.1	190,530			
Under \$250,000 ¹ \$250,000 under \$500,000 \$500,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	143.8 298.9 656.9 346.0 87.3 30.3 16.1	10,385 30,853 140,596 182,374 124,944 96,316 174,044	228.8 379.4 775.9 380.3 92.0 31.9 16.2	5,652 19,534 71,882 55,302 25,760 14,308 19,670	91.0 159.7 323.3 200.2 60.2 22.5 12.8	10,969 12,945 34,945 49,265 37,898 28,882 47,766	42.1 129.9 392.2 222.0 57.1 21.9 13.0	1,233 5,367 41,886 54,627 30,063 24,387 32,967			

		•		Bonds (continued)			
Size of net worth	State and local bonds		Corporate and foreign bonds		Federal savings bonds		Other Federal bonds	
The first of the second	Number	Amount	Number	Amount	Number	Amount	Number	Amount
The state way of the contract of the second	For (17)	*(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	604.8	134,004	279.5	16,232	214.9	3,716	232.4	36,578
Under \$250,000 1	•	••	••		**	• •	••	
\$250,000 under \$500,000	**86.6	**4,575	**39.2	**781	**64.5	**289	**28.3	**955
\$500,000 under \$1,000,000	267.2	27,197	134.6	4,223	99.2	1,793	116.6	8,673
\$1,000,000 under \$2,500,000	173.1	39,300	73.9	5,152	38.9	1,239	61.0	8,937
_\$2,500,000 under \$5,000,000	48.1	23,565	18.8	1,919	8.0	255	15.6	4,324
\$5,000,000 under \$10,000,000	19.0	17,631	7.8	2,547	3.0	60 .	6.6	4,149
\$10,000,000 or more	10.8	21,737	5.2	1,610	1.2	. 80	4.4	9,540

	<u> </u>	Total assets by type (continued)								
Size of net worth	Mortgag	es and notes	Life insurar	ice equity	Other assets					
	Number	Amount	Number	Amount	Number	Amount				
and the second s	(25)	(26)	(27)	(28)	(29)	(30)				
Total	691.4	106,403	1,670.0	52,277	1,900.2	299,111				
Under \$250,000 1	. 58.7	4.066	239.5	9,283	239.0	12,190				
\$250,000 under \$500,000	107.6	8.862	357.2	10,067	383.4	33,507				
\$500,000 under \$1,000,000	. 280.8	25,951	636.6	15,387	762.0	87,531				
\$1,000,000 under \$2,500,000	. 164.9	27,815	317.9	10,443	377.5	79,964				
\$2,500,000 under \$5,000,000	50.1	15,334	79.0	4,222	90.8	37 284				
\$5,000,000 under \$10,000,000	. 17.6	7,445	26.2	1,540	31.2	17.978				
\$10,000,000 or more	117	16 931	13.5	1 335	163	30.658				

Includes top wealthholders with negative net worth.

**Data combined with those for next size class to avoid disclosure of information for specific es

Note: Detail may not add to totals because of rounding.

Table 3.—All Female: Top Wealthholders with Gross Assets of \$500,000 or More, by Size of Net Worth

				•		Net worth			assets by type	
Size of net worth	Total a	assets	Debts and	mortgages	Net worth			Real estate		
	Number	Amount	Number	Amount	Num	ber Am	ount	Number	Amount	
	(1)	(2)	(3)	(4)	(5	5) (0	3)	(7)	. (8)	
Total	1,372.0	1,763,838	1,200.5	159,824	1,37	2.0 1,604	1,014	1,238.4	527,132	
Jnder \$250,000 1	42.7	15,159	40.0	9.476		2.7	5,683	38.3	8.900	
250,000 under \$500,000	159.8	95,499	148.7	28,875			6,623	151.8	51,317	
500,000 under \$1,000,000	759.3	564,703	641.6	42,138	75	9.3 52	2,565	675.6	201,414	
1,000,000 under \$2,500,000	320.9	505,853	287.6	34,700			1,153	290.3	152,366	
2,500,000 under \$5,000,000	57.3	217,748	53.3	22,872			1,876	51.9	56,228	
5,000,000 under \$10,000,000	23.3	169,900	21.1	12,979			5,921	22.0	37,682	
10,000,000 or more	8.7	194,976	8.2	8,784		8.7 18	6,192	8.5	19,224	
	Total assets by type (continued)									
Cinn of and worth	·				Nov	normorata husinasa sas	nto		Bonds	
Size of net worth	Corpora	tie stock	Cash			Noncorporate business assets		Total bonds		
	Number	Amount	Number	Amount	Num	iber . Am	ount	Number	Amount.	
	(9)	(10)	(11)	(12)	(1:	3) (1	4)	(15)	(16)	
Total	1,113.0	539,981	1,343.8	189,860	429	9.8 99,	923	779.8	197,273	
Inder \$250,000 1	21.3	857	40.3	1,172	10	0.5	678	*2.6	*73	
250,000 under \$500,000	116.4	12,578	153.3	9,421	58	3.6 3,	285	43.4	1,941	
500,000 under \$1,000,000	611.2	118,347	747.3	90,751	187		998	456.3	57,372	
1,000,000 under \$2,500,000	280.9	136,689	315.3	55,055	128		345	218.1	63,163	
2,500,000 under \$5,000,000	52.7	85,577	55.7	14,693			266	36.9	28,479	
5,000,000 under \$10,000,000	22.1	73,998	23.2	9,068			660	15.7	24,251	
10,000,000 or more	8.4	111,936	8.6	9,700		5.3 15,	691	6.8	21,995	
	Total assets by type (continued)									
		Bonds (continued)								
Size of net worth	State and	local bonds	Corpora foreign			Federal savings bonds	al savings bonds		Federal bonds	
	Number	Amount	Number	Amount	Nurr	Number Amount		Number Amo		
	(17)	(18)	(19)	(20)	(2	1) (2	2)	(23)	(24)	
Total	568.5	135,915	274.7	14,777	14		116	276.4	41,766	
Inder \$250,000 ¹	**	· ·	••	**	1	**	••		,**	
250,000 under \$500,000	**28.6	**1,374	**11.4	**176			68	**10.3	**296	
500,000 under \$1,000,000	310.3	32,667	167.1	6,592			234	171.7	. 14,879	
1,000,000 under \$2,500,000	174.5	44,258	78.2	4,370			999	75.0	13,536	
2,500,000 under \$5,000,000	35.1	23,064	10.5	1,298		2.0	351 45	11.7 5.6	3,765 4,174	
5,000,000 under \$10,000,000 10,000,000 or more	13.6 6.5	19,194 15,358	4.4 3.1	. 838 . 1,503		0.3	17 .	2.1	5,117	
				· To	tal assets by	type (continued)				
Size of net worth		Mortgag	es and notes	· ·	Life insura	nce equity		Other	assets	
Total		Number	Amount	Num	ber	Amount	+-	Number	Amount	
		(25)	(26)	(27)	(28)	+	(29)	(30)	
		460.2	56,721	690	.9	7,273		1,322.6	145,674	
Jnder \$250,000 ¹		7.5	589	39	3	877	-	42.7	2.013	
250,000 under \$500.000		47.1	5,653	121		1.254	1	156.5	10,049	
500,000 under \$1,000,000		243.2	20,301	360		2,886	1	723.7	53,634	
1,000,000 under \$2,500,000		123.5	16,809	131		1,421	ł	312.5	42,005	
2,500,000 under \$5,000,000		24.4	4,471	24	.5	483	- 1	55.7	16,552	
5,000,000 under \$10,000,000		8.9	2,962	10		260	-	23.1	11,019	
10,000,000 or more		5.6	5,936	1 3	.2	94	ı	8.6	10,402	

¹ Includes top wealthholders with negative net worth.

^{*}Estimate should be used with caution because of the small number of sampled estate tax returns on which it is based.

*Data combined with those for next size class to avoid disclosure of information for specific estate tax returns.

Note: Detail may not add to totals because of rounding.

Table 4.—Top Wealthholders Under 50 Years of Age With Gross Assets of \$500,000 or More, by Size of Net Worth

							Total a	ssets by type
Size of net worth	Tota	l assets	Debts and n	nortgages	Net -	worth '	Re	al estate
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,174.7	1,376,584	1,104.4	293,889	1,174.7	1,082,69	6 1,073.4	425,013
Inder \$250,000 ¹	239.5	83.185	232.3	76,746	· .			1.
250,000 under \$500,000	297.8	170,521	280.0		239.5 297.8	6.43		42,356
500,000 under \$1,000,000	373.9	309.408	340.9	56,203 53,907	373.9	255,50		83,012 112,466
,000,000 under \$2,500,000	197.8	339,845	189.0	45,289	197.8	294,55		98,511
2,500,000 under \$5,000,000	38.4	162,126	36.4	29,845	38.4	132,28		37,355
5,000,000 under \$10,000,000	18.6	. 141,461	17.3	. 16,537	18.6	124,92		28,768
10,000,000 or more	8.6	170,038	8.4	15,361	8.6	154,67		22,545
				Total assets by	type (continued)		7	
the second section is a second second		* **					4	Bonds
Size of net worth	· Corpo	rate stock	· Casi	h	Noncorporate t	ousiness assets		BOTOS
•		,					Tot	al bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	. (14)	(15)	(16)
Total	898.4	424,892	1,130.1	105,764	515.4	135,843	412.7	68,597
nder \$250,000 1	131.8	7,806	219.5	5.098	75.3	7,343	34.8	612
50,000 under \$500,000	. 227.6.	24,309	286.0	15,023	126.6	10,152		3,204
00,000 under \$1,000,000	303.3	72,278	370.2	30,241	160.3	21,116		15,191
.000,000 under \$2,500,000	174.7	. 92,380	190.0	27,718	112.5	42,474		24,605
500,000 under \$5,000,000	34.9	69,131	37.1	9,412	22.0	19,877		6,445
000,000 under \$10,000,000	17.3	65,389	18.6	6,179	12.1	14,692		13,185
0,000,000 or more	8.6	93,599	8.6	12,094	6.7	20,188	6.9	5,355
	•			Total assets by	type (continued)			·
and the second of the second	4.0	** * * * * *		. Bonds (c	ontinued)			
Size of net worth	State and	local bonds	Corporate foreign b	e and onds	Federal sav	ings bonds	Other Fi	ederal bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	262.5	47,478	121.7	7.275	100.0	713	100.8	13,130
nder \$250,000 ¹	••	[]	• •	••	**	**	100.0	10,130
50,000 under \$500,000	**56.8	**2,476	**28.2	- **595	*:43.3	**163	**17.7	
00,000 under \$1,000,000	106.6	9,356	54.2	2,546	36.3	271	47.7	**581 3,018
,000,000 under \$2,500,000	7.1,.5 ₋	15,922	31.4	3,542	- 17.1	175-	28.8	4.966
,500,000 under \$5,000,000	12.4	4,965	*3.0	*158	*1.6	*98	*2.8	*1,224
000,000 under \$10,000,000	. **15.2	**14,759	**4.8	**434	**1.7	**5	**3.9	**3,341
000,000 41001 410,000,000	**	**	**	**	**	••	•••	1
0,000,000 or more						0		
0,000,000 or more			· · · · · · · · · · · · · · · · · · ·	Tota	assets by type (contin	uea)		
0,000,000 or more			ges and notes	T	Life insurance equity	ued)	Other as	sets
0,000,000 or more	• · · ·		ges and notes Amount	T	Life insurance equity	nount	Other as	Amount
0,000,000 or more		Mortga	-	100,00	Life insurance equity			
0,000,000 or more		Mortga Ñumber	Amount	Numbe	Life insurance equity	nount	Number	Amount
Size of net worth : Total		Montga Ñumber (25)	. Amount (26)	Numbe (27)	Life insurance equity r Ar	nount (28)	Number (29) 1,145.9	Amount (30) 148,559
Size of net worth : **Total** der \$250,000 1		Monga Ñumber (25) 363.9	Amount (26) 48,587	Numbe (27)	Life insurance equity or Ar 19	nount (28) ,330	(29) 1,145.9 233.0	Amount (30) 148,559 10,383
Size of net worth : **Total	······································	Montga Ñumber (25) 363.9 47.1 .80.2 .122.8	Amount (26) 48,587 2,320	Numbe (27) 941.7 232.3	Life insurance equity r Ar 19 7 19	nount (28) ,330 ,267	Number (29) 1,145.9 233.0 294.5	Amount (30) 148,559 10,383 23,166
Size of net worth : **Total		Number (25) 363.9 47.1 . 80.2 . 122.8 . 79.5	(26) 48,587 2,320 7,116 10,599 12,770	Numbe (27) 941.7 232.3 257.9 269.5 133.8	Life insurance equity r Ar 19 7 4 3	nount (28) ,330	(29) 1,145.9 233.0	Amount (30) 148,559 10,383
Size of net worth : **Total** der \$250,000 1 50,000 under \$500,000 00,000 under \$1,000,000 000,000 under \$2,500,000 000,000 under \$5,000,000 000,000 under \$5,000,000		Montga Ñumber (25) 363.9 47.1 . 80.2 . 122.8 . 79.5 . 19.3	Amount (26) 48,587 2,320 7,116 10,599 12,770 4,785	Numbe (27) 941.7 232.3 257.9 269.5 133.8 29.1	Life insurance equity If Ar 19 7 4 3 2	nount (28) ,330 7,267 ,539 8,688	Number (29) 1,145.9 233.0 294.5 362.7	Amount (30) 148,559 10,383 23,166 43,830
0,000,000 or more		Number (25) 363.9 47.1 . 80.2 . 122.8 . 79.5	(26) 48,587 2,320 7,116 10,599 12,770	Numbe (27) 941.7 232.3 257.9 269.5 133.8	Life insurance equity If Ar 19 7 4 3 2	nount (28) ,330 ,267 ,539 ,688	Number (29) 1,145.9 233.0 294.5 362.7 191.7	Amount (30) 148,559 10,383 23,166 43,830 39,237

Includes top wealthholders with negative net worth.
 Estimate should be used with caution because of the small number of sampled estate tax returns on which it is based.
 Data combined with those for next size class to avoid disclosure of information for specific estate tax returns.
 Note: Detail may not add to totals because of rounding.

Table 5.—Top Wealthholders 50 under 65 Years of Age With Gross Assets of \$500,000 or More, by Size of Net Worth

	Total	assets	Dobto and	mortgages	, .	et worth	Total a	ssets by type
Size of net worth	ioai	assets	Debts and	mongages		at worth	B	eal estate
	Number	Amount	Number	Amount .	Number	Amount	Number	Amou
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,195.8	1,580,264	1,040.2	202,956	1,195.8	1,377,30	7 1,135.8	498,9
der \$250,000 ¹	50.0	33.012	48.3	32,449	50.0	56	3 48.4	15.4
50,000 under \$500,000	207.0	111,897	189.5	27,743	207.0	84,15		49,4
00,000 under \$1,000,000	588.2	454,650	490.3	48,874	588.2	405,77		171.8
,000,000 under \$2,500,000	265.4	433,632	233.3	39,471	265.4	394,16		136,6
,500,000 under \$5,000,000		220,596	53.3	22,177	58.1	198,41		60,2
,000,000 under \$10,000,000	58.1 19.3		17.9	16,543	19.3	130.82		36.4
		147,370						
0,000,000 or more	7.9	179,106	7.6	15,699	7.9	163,40	7.5	28,8
				Total assets by	type (continued)			
Size of net worth	Corpor	ate stock	Ce	eh.	Noncornorei	e business assets		Bonds
Size of Not Worth	0	no stock			Noncorpora	o buainess assers	Та	tal bonds
	Number	Amount '	Number	Amount	Number	Amount	Number	Amou
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	984.1	422,070	1,171.5	128,032	513.1	120,824	571.2	112,1
nder \$250,000 ¹	32.0	3,163	47.9	1,610	24.7	3,945	l l	
50,000 under \$500,000	154.3	14,657	204.3	10,441	76.8	5,139		2,4
00,000 under \$1,000,000	485.0	86,528	573.7	49,217	218.2	22,755		27,9
,000,000 under \$2,500,000	233.0	117,179	261.6	36,071	135.7	31,959		32,5
,500,000 under \$5,000,000	53.8	69,380	57.1	14,799	38.5	18,404		19,3
,000,000 under \$10,000,000	18.4	55,509	19.0	8,853	13.2	16,627		13,6
0,000,000 or more	7.7	75,653	7.8	7,041	6.1	21,995	5.5	15,7
				Total assets by	type (continued)			
Size of net worth	State and	local bonde	Corpora	Corporate and foreign bonds		savings bonds	Other	Federal bonds
	,	iocai conos	foreign	bonds	7 000101	saringo conco		
	Number	Amount	foreign	bonds Amount	Number	Amount	Number	Amou
	Number (17)	r	foreign	bonds		1	Number (23)	
Total		Amount	foreign	bonds	Number	Amount		(24)
	(17)	Amount (18)	Number (19)	Amount (20)	Number (21)	Amount (22)	(23)	(24)
nder \$250,000 ¹	416.6	Amount (18) 75,801	Number (19)	Amount (20)	Number (21) 117.3	Amount (22)	· (23)	Amou (24) 23,6
nder \$250,000 ¹ 50,000 under \$500,000	(17) 416.6 43.7	Amount (18) 75,801	Number (19) 177.0	Amount (20) 11,161 274	Number (21) 117.328.3	Amount (22) 1,600	156.1 •••12.7	23,6
nder \$250,000 ¹	416.6 43.7 207.5	Amount (18) 75,801	Number (19) 177.0 14.4 99.2	Amount (20) 11,161	Number (21) 117.3 28.3 64.0	Amount (22) 1,600200 951	(23) 156.1 12.7 90.7	23,6 **3 6,0
nder \$250,000 ¹	416.6 43.7 207.5 119.6	Amount (18) 75,801	Number (19) 177.0 14.4 99.2 45.8	Amount (20) 11,161 274 2,881 2,485	(21) 117.3	Amount (22) 1,600 200 951 372	(23) 156.1 •• •12.7 90.7 36.1	23,6 **3 6,0 5,2
der \$250,000 ¹	(17) 416.6 	Amount (18) 75,801 **2,164 18,046 24,407 15,027	Number (19) 177.0 14.4 99.2 45.8 10.7	Amount (20) 11,161 274 2,881 2,485 1,845	(21) 117.3	Amount (22) 1,600200 951 372 50	(23) 156.1 12.7 90.7 36.1 10.0	(24) 23,6 **3 6,0 5,2 2,3
der \$250,000 ¹ .50,000 under \$500,000 .00,000 under \$1,000,000 .000,000 under \$2,500,000 .500,000 under \$5,000,000 .000,000 under \$10,000,000	416.6 43.7 207.5 119.6	Amount (18) 75,801	Number (19) 177.0 14.4 99.2 45.8	Amount (20) 11,161 274 2,881 2,485	(21) 117.3	Amount (22) 1,600 200 951 372	(23) 156.1 •• •12.7 90.7 36.1	(24) 23,6 3 6,0 5,2 2,3
der \$250,000 ¹	(17) 416.6 	Amount (18) 75,801 **2,164 18,046 24,407 15,027	Number (19) 177.0	Amount (20) 11,161 274 2,881 2,485 1,8453,676	(21) 117.3	Amount (22) 1,600200 951 372 5028	(23) 156.1 12.7 90.7 36.1 10.0	23,6 **3 6,0 5,2
nder \$250,000 ¹	(17) 416.6 	Amount (18) 75,801	Number (19) 177.0 14.4 99.2 45.8 10.7 17.0	Amount (20) 11,161 274 2,881 2,485 1,8453,676	Number (21) 117.3 28.3 64.0 20.5 3.2 1.3	Amount (22) 1,600200 951 372 5028	(23) 156.1 12.7 90.7 36.1 10.0	(24) 23,6 3 6,0 5,2 2,3 9,5
nder \$250,000 ¹ .50,000 under \$500,000 .000,000 under \$1,000,000 .000,000 under \$2,500,000 .500,000 under \$5,000,000 .000,000 under \$10,000,000 .000,000 under \$10,000,000	(17) 416.6 	Amount (18) 75,801	Number (19) 177.0 14.4 99.2 45.8 10.7 7.0 17.0	Amount (20) 11,161 274 2,881 2,485 1,8453,676	Number (21) 117.3 28.3 64.0 20.5 3.2 1.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028	(23) 156.1 12.7 90.7 36.1 10.0 16.6	(24) 23,63 6,0 5,2 2,39,5
nder \$250,000 ¹ .550,000 under \$500,000 .000,000 under \$1,000,000 .000,000 under \$2,500,000 .500,000 under \$5,000,000 .000,000 under \$10,000,000 .000,000 under \$10,000,000	(17) 416.6 	Amount (18) 75,8012,164 18,046 24,407 15,02716,157	Number (19) 177.0	Amount (20) 11,161 274 2,881 2,485 1,8453,676	(21) 117.3 28.3 64.0 20.5 3.2 1.3 al assets by type (con	Amount (22) 1,600 200 951 372 5028 stinued)	(23) 156.1 90.7 36.1 10.0 Other	(24) 23,63 6,0 5,2 2,39,5
nder \$250,000 1	(17) 416.6	Amount (18) 75,8012,164 18,046 24,407 15,02716,157 Mortga	Number (19) 177.0 14.4 99.2 45.8 10.7 7.0 ages and notes Amount (26)	Amount (20) 11,161 274 2,881 2,485 1,845 3,676 Tot	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028 ttinued) y Amount (28)	(23) 156.1 12.7 90.7 36.1 10.0 16.6 Number (29)	(24) 23,63 6,0 5,2 2,3,39,5 Amount (30)
nder \$250,000 1	(17) 416.6	Amount (18) 75,801 **2,164 18,046 24,407 15,027 **16,157 Mortg: Number (25) 429.6	Number (19) 177.0 14.4 99.2 45.8 10.7 ages and notes Amount (26) 64,349	Amount (20) 11,161274 2,881 2,485 1,8453,676 Tot Numb (27) 902.	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028 stinued) y Amount (28) 27,573	(23) 156.1 12.7 90.7 36.1 10.0 16.6 Cother Number (29) 1,166.5	(24) 23,63 6,0 5,2 2,39,5 Amount (30) 206,22:
nder \$250,000 1	(17) 416.6	Amount (18) 75,8012,164 18,046 24,407 15,02716,157 Mortgi Number (25) 429.6 18.0	Number (19) 177.0	Amount (20) 11,161274 2,881 2,485 1,8453,676 Tot Numb (27) 902. 45.	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (con	Amount (28) Amount (28) Amount (28) 27,573 2,832	(23) 156.1	(24) 23,6 6,0 5,2 2,3 • 9,5 Amount (30) 206,22: 3,49
nder \$250,000 1 50,000 under \$500,000 00,000 under \$1,000,000 .000,000 under \$2,500,000 .500,000 under \$5,000,000 .000,000 under \$10,000,000 .000,000 under \$10,000,000 .000,000 or more Size of net worth	(17) 416.6	Amount (18) 75,801	Number (19) 177.0 14.4 99.2 45.8 10.7 7.0 7.0 6.6 ages and notes Amount (26) 64,349 1,961 5,681	Amount (20) 11,161	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028 titinued) y Amount (28) 27,573 2,832 5,874	(23) 156.1	(24) 23,6 6,0 5,2 2,3 **9,5 Amount (30) 206,22: 3,49* 18,18*
nder \$250,000 1 50,000 under \$500,000 00,000 under \$1,000,000 ,000,000 under \$5,000,000 ,000,000 under \$5,000,000 ,000,000 under \$10,000,000 0,000,000 under \$10,000,000 Size of net worth Total Total 50,000 under \$500,000 0,000 under \$500,000	(17) 416.6	Amount (18) 75,801 **2,164 18,046 24,407 15,027 **16,157 Mortg: Number (25) 429.6 18.0 56.2 198.1	Number (19) 177.0	Amount (20) 11,161 274 2,881 2,485 1,845 3,676 Tot Numb (27) 902. 45, 189. 416.	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028 ttinued) y Amount (28) 27,573 2,832 5,874 9,217	(23) 156.1 12.7 90.7 36.1 10.0 16.6 10.0 16.6 10.0 16.6 10.0 10.0	(24) 23,6 6,0 5,2 23,3 11,0 (30) 206,22 3,49 18,186 67,611
nder \$250,000 1 50,000 under \$500,000 ,000,000 under \$5,000,000 ,50,000 under \$5,000,000 ,500,000 under \$5,000,000 ,000,000 under \$10,000,000 ,000,000 or more Size of net worth Total Total der \$250,000 1 50,000 under \$500,000 ,000,000 under \$500,000 ,000,000 under \$500,000 ,000,000 under \$5,000,000 ,000,000 under \$5,000,000	(17) 416.6	Amount (18) 75,8012,164 18,046 24,407 15,02716,157 Mortgi Number (25) 429.6 18.0 56.2 198.1 112.3	foreign Number (19) 177.0 14.4 99.2 45.8 10.7 ages and notes Amount (26) 64,349 1,961 5,681 19,510 16,658	Amount (20) 11,161274 2,881 2,485 1,8453,676 Tot Numb (27) 902. 45. 189. 416. 1888	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (con	Amount (22) 1,600200 951 372 5028 ttinued) y Amount (28) 27,573 2,832 5,874 9,217 6,012	(23) 156.1 27 90.7 36.1 10.0 6.6 Other Number (29) 1,166.5 47.0 203.0 571.8 260.6	(24) 23,6 6,0 5,2 2,3 • 9,5 Amount (30) 206,22: 3,49 18,18: 67,61: 56,53
nder \$250,000 ¹ .550,000 under \$500,000 .000,000 under \$5,000,000 .500,000 under \$5,000,000 .500,000 under \$5,000,000 .000,000 under \$1,000,000 .000,000 or more Size of net worth Total	(17) 416.6	Amount (18) 75,801 **2,164 18,046 24,407 15,027 **16,157 Mortge Number (25) 429.6 18.0 56.2 198.1 112.3 29.2	foreign Number (19) 177.0	Amount (20) 11,161274 2,881 2,485 1,8453,676 Tot Numb (27) 902. 45, 189, 416, 188. 42.	Number (21) 117.328.3 64.0 20.5 3.213 al assets by type (cor	Amount (22) 1,600200 951 372 5028 titinued) y Amount (28) 27,573 2,832 5,874 9,217 6,012 2,227	(23) 156.1 12.7 90.7 36.1 10.0 16.6 Other Number (29) 1,166.5 47.0 203.0 571.8 260.6 57.3	(24) 23,6
Inder \$250,000 ¹	(17) 416.6	Amount (18) 75,8012,164 18,046 24,407 15,02716,157 Mortgi Number (25) 429.6 18.0 56.2 198.1 112.3	foreign Number (19) 177.0 14.4 99.2 45.8 10.7 ages and notes Amount (26) 64,349 1,961 5,681 19,510 16,658	Amount (20) 11,161274 2,881 2,485 1,8453,676 Tot Numb (27) 902. 45. 189. 416. 1888	Number (21) 117.328.3 64.0 20.5 3.21.3 al assets by type (cor	Amount (22) 1,600200 951 372 5028 ttinued) y Amount (28) 27,573 2,832 5,874 9,217 6,012	(23) 156.1 27 90.7 36.1 10.0 6.6 Other Number (29) 1,166.5 47.0 203.0 571.8 260.6	(24) 23,6 6.0 5.2: 2.9,5 4mount (30) 206,22: 3,49: 18,18: 67,61: 56,534

¹ Includes top wealthholders with negative net worth.

^{**}Data combined with those for next size class to avoid disclosure of information for specific estate tax returns.

Note: Detail may not add to totals because of rounding.

Table 6.—Top Wealthholders 65 Years of Age or Older With Gross Assets of \$500,000 or More, by Size of Net Worth

	Total	assets	Debts and	mortgages	N	et worth	Total a	assets by type
Size of net worth							R	eal estate
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	. (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	958.8	1,364,354	799.1	57,651	958.8	1,306,703	832.4	317,87
der \$250,000 ¹	. 1.7	2,437	1.7	2,979	1.7	- 542	1.7	78
50,000 under \$500,000	44.2	24,483	41.2	3,785	44.2	20,698		9,13
00,000 under \$1,000,000	586.2	418,759	473.4	13,496	586.2	405,263		117,01
000,000 under \$2,500,000	246.8	375,371	210.7	13,372	246.8	361,999		100,40
500,000 under \$5,000,000	53.8	191,557	48.3	9,041	53.8	182,516		39,66
.000,000 under \$10,000,000	17.6	123,329	15.9	5,233	17.6	118,096	16.1	23,86
0,000,000 or more	8.5	228,417	7.8	9,744	8.5	218,673		27,00
				Total assets by	type (continued)			
						,		Bonds
Size of net worth	Corpora	ate stock	Ca	sh	Noncorporat	e business assets		<u> </u>
}							10	tal bonds
	Number	. Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	809.9	452,530	946.9	168,172	270.9	65,928	674.0	207,010
der \$250,000 ¹	1.3	273	1.7	116	1.5	360	*1.1	*15
50,000 under \$500,000	33.4	4,465	42.5	3,492	14.8	939	25.4	1,63
00,000 under \$1,000,000	479.8	100,136	579.4	83,175	132.1	11.072	392.9	56,12
000,000 under \$2,500,000	219.2	109,504	244.0	46,568	80.9	13,177	189.0	60,62
500,000 under \$5,000,000	51.2	72,009	53.5	16,243	26.8	10,883	43.2	32,78
000,000 under \$10,000,000	16.7	49,416	17.4	8,343	9.5	8,224	15.0	21,80
0,000,000 or more	8.2	116,727	8.4	10,235	5.3	21,273	7.4	33,88
				Total assets by	type (continued)			
				Bonds (c	ontinued)	í.		
Size of net worth	State and I	ocal bonds	Corpora foreign		Federal s	avings bonds	Other F	ederal bonds
	Number	- Amount	Number	Amount	Number	Amount	Number	T
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	Amount (24)
Total	494.2	146,639				+		
der \$250,000 ¹	**	140,039	255.5	12,573	143.3	6,219	251.9	41,57
50,000 under \$500,000	**14.7	**1,309	ŀ			1	l l	·
00,000 under \$1,000,000	263.4		**8.1	**87	**7.5	**94	**8.2	**29
000,000 under \$2,500,000		32,462	148.2	5,388	93.6	3,806	149.8	14,470
500,000 under \$5,000,000	156.4	43,228	74.9	3,495	34.6	1,691	71.1	12,20
000,000 under \$10,000,000	39.6 **20.1	26,637	15.6	1,214	5.1	459	14.5	4,470
,000,000 or more	20.1	**43,004	**8.7 **	**2,388	2.5	**169	**8.2	10,13
				Total	assets by type (con-	inued)		
Size of net worth	,	Mortgag	es and notes		Life insurance equity	— г	Other a	
		Number	T					
<u> </u>		(25)	Amount	Numbe	r	Amount	Number	Amount
Total			(26)	(27)		(28)	(29)	(30)
Total der \$250,000 ¹		358.1	50,188	517.1		12,647	910.4	90,004
1CI UEJU.UUU		1.2	375	1.4		61	1.7	322
0.000 under \$500.000		18.2	1,717	31.5		907	42.4	2,201
0,000 under \$500,000								
0,000 under \$500,000 0,000 under \$1,000,000		203.1	16,144	310.8		5,368	551.2	29,723
.0,000 under \$500,000 0,000 under \$1,000,000 000,000 under \$2,500,000		96.7	15,195	310.8 127.3		5,368 3,703	551.2 237.7	29,723 26,194
0,000 under \$500,000 0,000 under \$1,000,000 000,000 under \$2,500,000 500,000 under \$5,000,000		96.7 25.9	15,195 6,439	127.3 32.1				
0,000 under \$500,000 0,000 under \$1,000,000 000,000 under \$2,500,000 500,000 under \$5,000,000 000,000 under \$10,000,000 000,000 or more		96.7	15,195	127.3		3,703	237.7	26,194

<sup>Includes top wealthholders with negative net worth.

Estimate should be used with caution because of the small number of sampled estate tax returns on which it is based.

Data combined with those for next size class to avoid disclosure of information for specific estate tax returns.

Note: Detail may not add to totals because of rounding.</sup>

Table 7.—Top Wealthholders With Net Worth Under \$10,000,000 and Gross Assets of \$500,000 or More: Total and Selected Assets, Debts and Mortgages, and Net Worth, by State of Residence

	Total	assets	Debts and	mortgages	Net	worth
State of residence	Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
Total	3,304.3	3,743,641	2,919.8	513,691	3,304.3	3,229,951
Alabama	39.0	40,469	34.5	3,585	39.0	36,884
Alaska	8.8	10,409	8.4	2,300	8.8	8,110
Arizona	52.9	60,649	47.6	9,662	52.9	50,988
Arkansas	16.7	18,753	15.5	3,596	16.7	15,157
California	558.3	701,235	506.4	107,717	558.3	593,518
Colorado	52.6	48,355	46.6	7,166	52.6	41,189
Connecticut	74.7	90,336	70.5	9,775	74.7	80,562
Delaware	7.1	6,332	6.9	369	7.1	5,964
District of Columbia	14.0	17,990	13.2	1,350	14.0	16,641
Florida	238.8	294,922	202.7	39,408	238.8	255,514
Georgia	62.6	72,469	58.9	9,540	62.6	62,929
Hawaii	11.0	11,330	10.1	1,475	11.0	9,855
Idaho	11.3	10.088	9.3	1,846	11.3	8,242
Illinois	148.5	175,151	129.8	27,114	148.5	148,037
Indiana	39.7	39.746	31.2	5,717	39.7	34,030
	34.5	28,936	30.8	4,072	34.5	24,863
lowa	25.9	29,258	20.6	3.453	25.9	25,805
Kansas	34.9	38.942	30.2	6.019	34.9	32,924
Kentucky	38.3	42.047	35.2	8.472	38.3	33,576
Louisiana			13.9	1.477	14.9	10,314
Maine	14.9	11,792		5.429	49.7	47.923
Maryland	49.7	53,351	40.1	12.922	113.2	104,238
Massachusetts	113.2	117,160	106.9			66.242
Michigan	72.4	71,707	62.5	5,465	72.4	31.006
Minnesota	35.2	36,411	30.6	5,405	35.2	17,221
Mississippi	23.5	23,388	22.6	6,167	23.5	
Missouri	53.9	61,335	48.5	6,990	53.9	54,345
Montana	7.2	6,384	5.9	1,051	7.2	5,333
Nebraska	19.8	18,352	14.9	3,699	19.8	14,654
Nevada	13.3	17,953	12.0	1,249	13.3	16,704
New Hampshire	20.2	24,892	16.9	4,681	20.2	20,211
New Jersey	139.2	150,128	115.2	16,549	139.2	133,579
New Mexico	12.3	15,797	9.9	1,646	12.3	14,151
New York	339.6	381,476	288.9	35,843	339.6	345,633
North Carolina	66.3	80,352	61.1	8,936	66.3	71,416
North Dakota	9.4	7,548	7.9	3,096	9.4	4,451
Ohio	106.4	103,880	95.7	13,218	106.4	90,662
Oklahoma	37.6	48.605	34.9	7,331	37.6	41,273
Oregon	25.4	37,008	22.9	5,221	25.4	31,788
Pennsylvania	113.8	120,914	100.8	13,171	113.8	107,743
Rhode Island	12.1	15,902	10.5	1,886	12.1	14,015
South Carolina	29.4	31.084	27.8	3.529	29.4	27,555
South Dakota	7.0	4.784	5.9	1,220	7.0	3,564
Tennessee	51.4	55,303	42.2	5,736	51.4	49,567
Texas	250.6	295,471	229.9	60,646	250.6	234.825
Utah	7.3	8,787	6.2	1,276	7.3	7,510
	7.3 4.8	5,483	4.8	445	4.8	5.038
Vermont	4.8 76.5	75,017	69.7	9.140	76.5	65,878
Virginia				9,034	76.5 55.6	47,584
Washington	55.6	56,618	45.0	620	11.2	9.375
West Virginia	11.2	9,996	9.2		44.8	42,715
Wisconsin	44.8	48,107	39.9	5,393		4,415
Wyoming	6.4	6,670	5.1	2,255	6.4	4,415
Other areas 1	4.5	4,566	3.3	329	4.5	4,230

See footnotes at end of table.

Table 7.—Top Wealthholders With Net Worth Under \$10,000,000 and Gross Assets of \$500,000 or More: Total and Selected Assets, Debts and Mortgages, and Net Worth, by State of Residence—(continued)

				Total as	sets by type			
State of residence	Real	estate	Corpora	ate stock	· c	ash	Tota	l bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Total	3,017.4	1,163,446	2,667.9	1,013,512	3,223.6	372,598	1,638.0	332,841
labama	35.4	10,444	30.3	11,042	37.8	5,269	18.9	3.835
aska	8.3	4,115	6.3	834	8.8	554	4.7	1,180
izona	48.8	20,583	46.1	14,263	51.3	4,502	27.5	5,308
kansas	15.9	4,249	15.5 ,	6,454	, 15.9	2,081	8.0	2.011
difornia	526.4	301,244	423.0	148,121	541.1	59,770	236.2	50.816
olorado	47.3	13,547	41.0	12,071	52.1	5.725	30.2	4,964
nnecticut	68.3	30.840	66.8	24.815	73.9	6,706	45.3	8,197
elaware	6.4	1.524	5.8	1.832	6.5	661	4.3	491
strict of Columbia	10.9	5.062	11.6	5,762	14.0	1,852	9.1	2.061
orida	216.5	83.015	178.9	82.742	229.4	25.897	116.4	35.720
eorgia	57.9	21.956						
			49.8	20,962	59.6	8,402	22.6	3,843
awaii	10.8	5,447	8.9	2,439	10.7	1,041	5.8	806
aho	11.2	4,026	7.0	2,636	11.3	5581	5.1	652
nois		41,310	121.5	53,830	145.0	18,318	. 80.7	16,749
tiana	37.7	9,179	33.6	12,698	39.4	4,709	23.5	4,413
va	31.1	6,502	28.9	7,053	· 33.0	. 2,732	18.2	3,781;
nsas	23.8	7,265	20.1	9,820	25.7	3,075	13.5	2.339
ntucky	28.9	8,598	30.1	14,385	34.1	4,578	19.8	4.778
uisiana	37.4	15,064	33.7	8,599	36.6	5,295	18.4	4,080
ine	13.4	4,207	10.5	3.642	14.9	1,081	6.3	665
aryland	45.3	15,570	40.4.	16,171	49.4	6.007	28.5	4.164
assachusetts	101.2	40,548	87.3	31,872	110.7	10,873	46.5	7.924
chigan	65.4	13,268	61.3	23,244	70.6	7.816	42.2	
nnesota	32.9							
	21.7	10,790	30.2	10,366	34.1	3,031	18.3	2,904
ssissippi		6,596	19.9	7,405	23.4	1,975	11.8	1,369
ssouri	49.3	11,772	44.4	25,207	52.3	7,749	27.5	6,793
ontana	6.5	2,374	5.0	1,767	7.2	653	1.5	160
braska	17.8	5,104	15.2	4,230	19.5	1,924	10.5	2,475
vada	10.8	5,318	10.9	4,547	13.3	1,875	5.4	1,889
w Hampshire	19.3	11,256	15.6	6,526	19.9	1,420	8.0	1,803
w Jersey	127.8	47,782	118,1	42,598	134,7	16,161	81.9	13,942
w Mexico	12.1	4,384	7.9	3,356	11:9	1,831	4.0	1,125
w York	277.1	108,135	278.1	110,295	332.5	39,611	189.2	35,842
rth Carolina	61.6	23,143	53.4	29,431	65.1	6,623	31.9	5,854
rth Dakota	9.2	2,984	7.1	1,277	8.8	618	4.8	434
io	92.8	19,979	95.0	34,715	103.4	12,195	58.4	9,523
lahoma	17.2	9,417	95.0 29.1		36.8			
				11,973		5,775	12.6	7,173
egon	24.5	9,241	21.3	10,242	25.0	2,439	14.8	3,001
nnsylvania	101.7	25,199	93.1	36,390	108.5	14,309	65.8	14,195
ode Island		5,613	10.1	5,017	12.1	1,640	6.2	1,288
uth Carolina	27.4	9,905	25.4	10,265	28.8	2,615	11.4	1,972
ıth Dakota	5.8	1,467	5.3	694	. 7.0	545	. 3.9	. 550
nessee	49.0	14,621	38.7 ,	18,728	50.3	5,230	24.9	5,374
as	241.4	100,863	210.4	60,418	249.1	38,479	107.4	20,164
h	6.9	1,452	5.6	2.159	7.3	757	2.8	
mont:	4.8	1.576	4.8	1.299	4.5	224	2.2	345
jinia	71.1	21,861	63.3	19,432	75.8	7.437	38.5	5.528
shington	53.1	20,630	45.1	14,207	54.1	4,330	26.9	3,966
st Virginia	10.9	2,438	10.3	3,252	11.2	1,102	7.2	
	40.6	2,436 9,581	38.1					967
sconsin			l .	18,752	44.2	3,091	21.8	3 999
oming	5.8	1,381	4.1	2,024	6.3	868	3.4	773
er areas 1	3.3	1,021	4.0	1,654	4.4	591	3.0	. 498

¹ U.S. citizens domiciled abroad. Persons who acquired U.S. citizenship solely by virtue of being a citizen of Puerto Rico or the Virgin Islands are not included. Note: Detail may not add to totals because of rounding.

Estimates of Personal Wealth, 1989

by Barry W. Johnson and Marvin Schwartz

here were approximately 3.4 million people with gross assets of \$600,000 or more in 1989 according to estimates of personal wealth derived from Federal estate tax returns using the "estate multiplier technique." These individuals, the Nation's "top wealth-holders," represented less than 2 percent of the adult population [1]. Their net worth was over \$4.8 trillion and accounted for between 25 and 30 percent of the personal wealth in the United States [2]. Almost 1.3 million of these individuals had a net worth of at least \$1 million.

Background

The distribution and composition of personal wealth in the United States is a topic of great interest among researchers and policy planners. Much of the economic debate preceding the 1992 Presidential election focused on how the policies of the previous 12 years had affected various sectors of society: how had the wealthiest individuals in society fared compared to middle class and needy Americans?

This is a difficult question to answer because, while there are several sources of data available to study income trends, little is known about wealth. The few surveys which attempt to measure wealth tend to under-represent the very wealthy because of the relatively small size of this important group [3]. An alternate approach is the use of administrative records, i.e., the Federal estate tax return, to approximate the wealth of the living.

The personal wealth estimates for 1989 are based on estate tax returns filed for individuals who died in 1989. The estate multiplier technique is used to estimate the wealth of living individuals using tax returns filed for the deceased. Because a decedent's estate has up to 9 months to file an estate tax return, and a 6 month extension is not uncommon, it is necessary to sample returns filed over a 3-year period in order to capture data for nearly all estate tax decedents dying in a single year. One of the strengths of this estimation technique is the large sample upon which the estimates are based. The sample contains over 17,500 returns for 1989 decedents, which is about 35 percent of the total population of 1989 estate tax filers, considerably larger than the samples selected for other studies at comparable levels of wealth (see the appendix to this article for a more complete discussion of the estate multiplier technique).

The estate multiplier technique has been used by Statistics of Income to estimate the wealth of living individuals since the 1960's (most recently for 1982 and 1986). As

Barry W. Johnson is an economist and Marvin Schwartz is a statistician with the Foreign Special Projects Section. This article was prepared under the direction of Michael Alexander, Chief. the level of gross estate (or gross assets) required for filing a tax return has increased, the definition of a top wealthholder has also changed. The level of wealth to which these estimates apply is \$600,000 or more in gross estate, the filing threshold in effect for 1989. The gross estate criterion is a Federal estate tax concept of wealth which does not conform to usual definitions of wealth, primarily because it includes the face value of life insurance in the wealth of the decedent. Therefore, three measures of wealth are used in this article: gross assets (or gross estate), total assets and net worth.

Gross assets reflect the gross value of all assets, including the full face value of life insurance reduced by policy loans, but excluding any reduction for other indebtedness [4]. This measure defines the individuals included in the top wealthholder group. Total assets, while a narrower definition of wealth, is still essentially a gross measure. It differs from gross assets in that the cash, or equity, value of life insurance, i.e., the value of insurance immediately before the policyholder's death, replaces the "at death" value of life insurance included in gross assets [5]. Net worth, the level of wealth after all debts have been removed, also includes the cash value of life insurance.

Personal Wealth in 1989

Although 52.1 percent of the adult population in 1989 was female, just 41.8 percent of the 3.4 million top wealth-holders that year were women (see Figure A). Nevertheless, this represented a modest increase from the 40.3 percent who were female at a corresponding level in 1986. On the other hand, women were on the average wealthier and had fewer debts than their male counterparts, holding 43.1 percent of the net worth of top wealthholders. Their average net worth was 5.6 percent higher than that of male top wealthholders. The debt burden, i.e., amounts owed as debts and mortgages, of

Figure A

Top Wealthholders: Selected Items, by Sex, 1989 [Number of wealthholders is in thousands]

ltem	Total	Males	Females
	(1)	(2)	(3)
Number of top wealthholders	3,417	1,989	1,427
Total assets (billions)	5,390	3,150	2,241
Debts and mortgages (billions)	586	416	170
Net worth (billions)	4,804	2,733	2,071
Mean net worth (millions)	1.41	1.37	1.45
Median net worth (millions)	0.81	0.77	0.85

NOTE: Detail may not add to totals because of rounding

Figure B Top Wealthholders: Composition of Assets, 1989 Mortgages and notes (2.9%)Other stock (15.7%)Real estate (31.1%) Closely held stock (10.4%) Total: \$5.4 Trillion Life insurance egulty (1.7%)Other Bonds (11.1%)(10.4%)Cash Noncorporate (9.5%)business assets (7.2%)

women was only 7.6 percent of their total assets, compared to 13.2 percent for men.

NOTE: Detail may not add to totals because of rounding

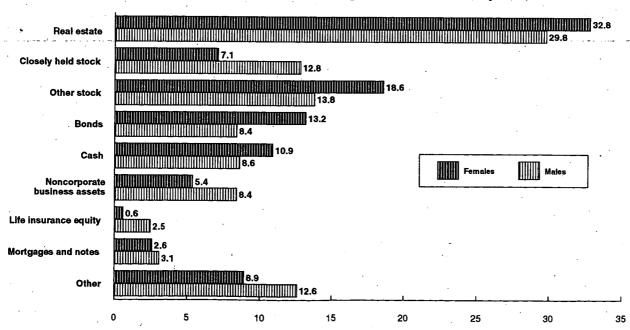
Composition of Assets

Real estate comprised the largest share of the assets held by top wealthholders in 1989 (see Figure B). Over 31 percent of their portfolios consisted of real estate holdings, while corporate stock comprised just 26 percent. This is in contrast to 1986 estimates where corporate stock, at 30 percent, was the most commonly held asset. Both the Dow Jones Industrial Average and Standard and Poor's common index increased about 40 percent between 1986 and 1989, while the Index of New One-Family Houses Sold increased a more modest 14 percent over the same period [6]. This indicates that the change in the relative importance of stock and real estate was mainly attributable to a redistribution of investments, rather than an actual decline in the performance of the stock market [7].

Some of the assets held in 1986 as corporate stock were subsequently redirected to bonds, which made up 10.4 percent of 1989 wealthholders' holdings and was the third largest asset type. This was an increase from the 9.0 percent of the assets held as bonds in 1986 by top wealthholders. Nearly two-thirds of the bonds held by the wealthy in 1989 were State and local Government bonds. These bonds are particularly attractive to top wealth-







Percentage of Total Assets

holders because interest payments on them are generally tax-exempt. The modest 1.5 percent increase in Standard and Poor's Municipal Bond Price Index between 1986 and 1989 shows that the rise in their relative share was due to the increased use of bonds as a means of diversifying and balancing a portfolio, rather than to an increase in their investment value. Cash, at 9.5 percent, and noncorporate business assets, at 7.2 percent, represented the next largest assets.

There were significant differences in the asset portfolios of men and women (see Figure C). While the portfolios of both men and women included roughly the same share of investments in corporate stock, the make-up of the stock holdings was quite different. At least 48 percent of the corporate stock held by men was untraded or in closely held corporations, compared to 28 percent for women [8]. This indicates that men are still more active in the creation and management of small companies than women, despite the increasingly important role of female entrepreneurs. It may also say something about different attitudes toward risk taking, as investments in this kind of stock are usually much riskier and less liquid than investments in the stock of larger, publicly traded firms.

There were other noteworthy differences between the

portfolios of males and females as well. Bonds made up 13.2 percent of women's assets in 1989 compared to just 8.4 percent of the assets of men. Conversely, wealth held by men was characterized by a higher concentration in noncorporate business assets, 8.4 percent, compared to just 5.4 percent for women. Though a small portion of the assets of the wealthy, the share held as equity in life insurance by men and women was also quite different. While 2.5 percent of the assets of men was life insurance, only 0.6 percent of the assets of women was in the form of life insurance. Another noteworthy difference in the portfolios of men and women was in the share of assets comprising "other assets." (These assets include intangible and depletable assets, annuities, interests in pension plans and personal property.) Just 8.9 percent of the assets of women were classified as "other assets" compared to 12.6 percent

More distinct differences in the composition of the assets of the top wealthholders exist when looking at the way the portfolio changes as the wealthy age (see Figure D). More than one-third of the assets of top wealthholders under 65 years of age was held as real estate, with corporate stock comprising just 24 percent of their portfolios. At least 49 percent of the corporate stock held by these top wealth-

Figure D Top Wealthholders: Types of Assets as a Percentage of Total Assets, by Age, 1989 Real estate Closely held stock Other stock Bonds Cash Noncorporate Under 65 years 65 years and over business assets 2.1 Life insurance equity Mortgages and notes Other 8.1 n 10 20 25 35 Percentage of Total Assets NOTE: Detail may not add to totals because of rounding

holders was that of closely held corporations. In fact, when looking only at the wealth of those under 50 years of age at least 54 percent of their corporate stock holdings was in the form of closely held stock (see Table 4).

As the wealthy aged, their portfolios changed, with corporate stock, at just under 30 percent, becoming the most prominent asset of those 65 years of age and older, while less than 25 percent of the total was made up of real estate. The composition of the corporate stock holdings of the wealthy also changed, with closely held stock becoming less significant. Only about one quarter of the stock held by those top wealthholders at least 65 years of age was identified as that of closely held corporations.

The share of the assets held as noncorporate business assets, cash and bonds also changed significantly as the wealthy aged and redirected their investments. Noncorporate business assets, like closely held stock, were more prominent in the portfolios of those under 65 years of age. While 8.7 percent of the assets of younger

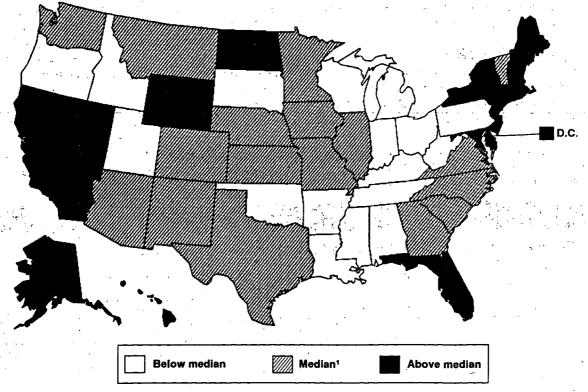
wealthholders was held as noncorporate business assets, these assets accounted for only 4.1 percent of the assets of those 65 years and older. In contrast, bonds, which constituted only 6.9 percent of the portfolio of wealthholders under 65 years of age, became an important source of income for those 65 years and older, with 17.3 percent of their assets invested in them. Cash, a significant share of the assets of all age groups, increased rather modestly in comparison, from 8.1 percent to 12.4 percent of the assets, as the wealthy aged.

Geographic Distribution of Wealth

Estimates of personal wealth using the estate multiplier technique for a limited population, for instance, the very wealthiest individuals by State, are subject to high sampling variance. Thus, wealth estimates by State for those individuals whose net worth is \$10 million or more can be misleading. For that reason, the estimates of wealth by State presented here do not include the 36,000 top







¹ The median group includes States with 146.3 to 184.0 top wealthholders per 10,000 adults.

wealthholders, with net worth \$10 million or more. (These wealthholders represented only 1 percent of the 3.4 million people with gross assets of \$600,000 or more.)

In 1989, nearly 662,000, or almost 20 percent of the top wealthholders with net worth under \$10 million, lived in California. New York, with 325,000, accounted for the second largest number. Florida, with its rapid growth and attractive tax policy (no State income tax), showed the third largest number of top wealthholders, 241,000, displacing Texas, which had been third in 1986.

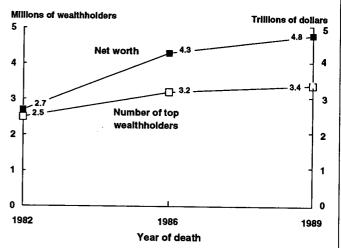
Looking at wealth on a per capita basis presents a somewhat different picture of wealth in this country by eliminating the distortions caused by the large population of some States. For instance, Connecticut, the 26th most populous State, had the highest concentration of top wealthholders-422 per 10,000 adults [9]. This compared with the 196 top wealthholders per 10,000 adults nationwide. Using this measure, California, with 11 percent of the adult population, had the second highest concentration of top wealthholders, with 330 per 10,000. On the other hand, Pennsylvania, the fifth most populous State, had a relatively low concentration of wealthy individuals, just 146 per 10,000, ranking it 35th among the 50 States and the District of Columbia. As shown in Figure E, wealth appears to be more heavily concentrated in the more populous coastal States of the Northeast and some Western States.

Personal Wealth, 1982-1989

The U.S. economy continued to grow during 1989, making the period from 1982 to 1989 the longest consecutive peacetime expansion in U.S. history. Between 1982 and 1989, over 20 million jobs were created, so that by 1989, the unemployment rate, at 5.3 percent, was at its lowest since 1973. Gross domestic product (GDP) experienced real growth of almost 29 percent, while inflation grew at an average annual rate of about 3 to 4

Figure F

Top Wealthholders: Number and Net Worth, 1982-1989



NOTE: Top wealthholders with gross assets of \$600,000 or more, using constant 1989 dollars.

percent, or just over 29 percent, between 1982 and 1989. The Dow Jones Industrial Average increased 184 percent. Interest rates fell between 1982 and 1989, lowering the yield on most bonds, but making mortgages more affordable. Exports reached an all time high by 1989, making the United States the world's leading exporter that year [10].

Between 1982 and 1989, the number of top wealth-holders with gross assets of at least \$600,000 (in constant 1989 dollars) increased 38.5 percent (see Figure F) [11]. Figure F shows that the value of net worth increased at a much higher rate, growing 77.6 percent. This rate is more than double the increase in the GDP. The greatest change occurred between 1982 and 1986.

Figures G and H show that the number of top wealthholders with a net worth of at least \$5 million experienced the largest growth between 1982 and 1989, more than

Figure G

Top Wealthholders: Number and Net Worth, by Size of Net Worth, 1982-1989

[Number of wealthholders is in thousands--money amounts are in billions of dollars]

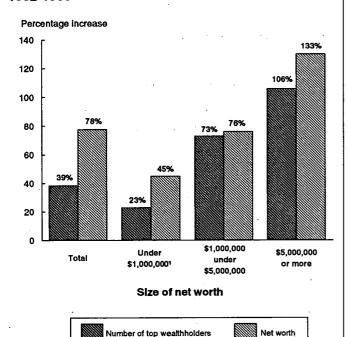
Size of	19	982	19	986	19	989
net worth	Number	Net worth	Number	Net worth	Number	Net worth
	(1)	(2)	(3)	(4)	(5)	(6)
Total Under \$1,000,000¹ \$1,000,000 under \$5,000,000 \$5,000,000 or more	2,467 1,748 666 53	2,705 914 1,196 594	3,206 2,070 1,035 102	4,347 1,164 1,888 1,295	3,417 2,156 1,151 109	4,804 1,323 2,100 1,382

¹ Includes top wealthholders with negative net worth.

NOTES: Top wealthholders with gross assets of \$600,000 or more, using constant 1989 dollars. Detail may not add to totals because of rounding

Figure H

Top Wealthholders: Percentage Increase in Number and Net Worth, by Size of Net Worth, 1982-1989



*Includes top wealthholders with negative net worth.

NOTE: Top wealthholders with gross assets of \$600,000 or more, using constant 1989 dollars.

doubling to 109,000. The value of their combined net worth increased by 133 percent, meaning that each individual in this group was, on average, wealthier than his or her 1982 counterpart. As a group, they accounted for almost \$1.4 trillion of the personal wealth in the United States.

Individuals with a net worth of at least \$1 million but less than \$5 million increased by 73 percent between 1982 and 1989. Similarly, the value of assets owned by this group increased by about 76 percent. Individuals with gross assets of \$600,000 or more, but with a net worth less than \$1 million, increased by only 23 percent, while their net worth grew by 45 percent.

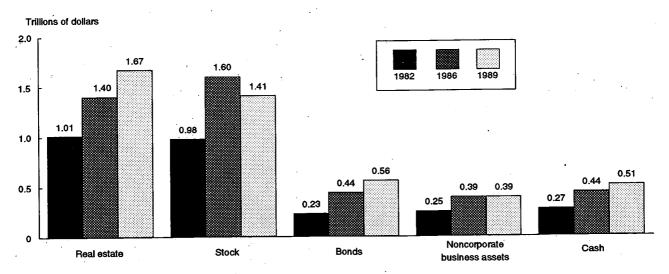
As mentioned earlier, real estate comprised the largest single component of the portfolios of top wealthholders in 1989. Figure I shows that the value of the real estate held by top wealthholders increased by an inflation-adjusted \$660 billion between 1982 and 1989. The graph also shows the decline between 1986 and 1989 in the real value of corporate stock included in the portfolios of the wealthy. The value of bonds in the portfolios of top wealthholders increased the most on a percentage basis, more than doubling. The amount of cash nearly doubled over the period, due, in part, to the increased popularity of money market mutual funds.

Summary

In 1989, approximately 3.4 million people—less than 2 percent of the Nation's adult population—held gross

Figure I

Top Wealthholders: Selected Assets, 1982-1989



NOTE: Top wealthholders with gross assets of \$600,000 or more, using constant 1989 dollars.

assets of \$600,000 or more. The net worth of these individuals was \$4.8 trillion and accounted for between 25 and 30 percent of the personal wealth in this country.

Although 52.1 percent of the adult population in 1989 was female, they accounted for only 41.8 percent of the top wealthholders. This represented a modest increase from 1986 when 40.3 percent of those individuals at the corresponding level of wealth were female. Their average net worth, however, was 5.6 percent higher in 1989 than that of male top wealthholders.

Real estate constituted the largest share of the assets held by top wealthholders. Corporate stock, the predominant asset in the portfolio of the wealthy in 1986, comprised the next largest share of the assets. Together they represented over 57 percent of the assets of top wealthholders.

Notes and References

- [1] U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 1057, United States Population Estimates, by Age, Sex, Race, and Hispanic Origin: 1989. While the onset of adulthood is more commonly considered to be 18 or 21 years of age, it is defined here as 20 years of age because of the available mortality data used to develop these estimates.
- [2] Board of Governors of the Federal Reserve, Balance Sheets of the U.S. Economy, 1960-1991, Publication C-9, September 1992, estimates the total net worth of the private sector to be \$18.9 trillion. The 1989 Survey of Consumer Finances, also sponsored by the Board of Governors of the Federal Reserve, estimates a more conservative \$15.9 trillion.
- [3] The 1989 Survey of Consumer Finances, sponsored by the Board of Governors of the Federal Reserve, is a noteworthy exception to this problem. The survey design uses a dual frame which over-samples the very wealthy in order to ensure that they are adequately represented in the resulting data base. The Survey collects data on assets, debts, income and attitudes about finances.
- [4] Post-mortem dividends and interest included in the value of life insurance are included in gross assets for estate tax purposes.
- [5] Estimates of the equity value of life insurance included in total assets were approximated based on the face value reported on Federal estate tax returns and on the decedent's age. A ratio of the cash value to the face value was developed using two independent sources of data. The first was a study conducted by

- the Institute for Life Insurance which looked at the life insurance policies reported in the estates of 1971 Federal estate tax filers. The second was the Federal Reserve Board's 1982 and 1989 Surveys of Consumer Finances. The results from each of these sources were encouragingly similar. A simple regression in which age was the independent variable was used to predict the values used in the Statistics of Income estimates. The same set of ratios was used for both males and females due to lack of sexspecific data.
- [6] U.S. Bureau of the Census, Construction Reports, Series C-27, *Price Index of New One-Family Houses* Sold, First Quarter 1990.
- [7] The Federal Reserve Board's Flow of Funds estimates of household financial assets and liabilities showed that the value of corporate equity (including mutual funds) held by households increased by 20.2 percent between 1986 and 1989, again, less than the increase in the market indices during the same period. Both the Tax Reform Act of 1986 and the stock market decline in 1987 may have influenced the amount of stock held by individual investors.
- [8] Untraded, or closely held, stock is identified from the descriptions of assets provided by executors on the Federal estate tax return. When such descriptions are too vague (or are absent) to make a reasonable determination, amounts are included in the more general "other corporate stock" category. Therefore, the estimate of "closely held stock" presented in this article should be considered extremely conservative.
- [9] U.S. Bureau of the Census, Current Population Reports, Series P-25, Number 1058, State Population and Household Estimates, July 1, 1989. Adults are defined for purposes of this discussion as individuals 21 years of age or over, because of the availability of the data.
- [10] U.S. Office of Management and Budget, Economic Report of the President, Washington, DC, 1990.
- [11] Some of the change in the number of top wealthholders may be due to the influence of a revision of the estate tax law which became effective in 1982. This revision permitted an unlimited deduction from gross estate for bequests to the decedent's surviving spouse. (Prior to this, the deduction was limited to the greater of one-half of the adjusted gross estate, or \$250,000.) This meant

that by bequeathing most of the assets to the surviving spouse, the estate would be exempt from Federal estate taxes. The new law may have caused changes in bequest patterns, whereby more of the decedent's estate was left to the surviving spouse, postponing bequests to children and grandchildren until the death of the surviving spouse. Such a shift in bequest patterns could influence the number and make-up of the top wealthholder population and should be considered when comparing estimates between 1982 and 1989.

Appendix: The Estate Multiplier Technique Researchers have been using the estate multiplier technique since the beginning of the 20th century to draw conclusions about the wealth of the living population through knowledge of the wealth of the deceased. (Financial records were used as early as 1864 to estimate total personal wealth by a related technique.) The technique assumes that estate tax returns taken as a whole represent a random sample, designated by death, of the living population. Death, however, is not a truly random event and therefore is not a simple representative sample of the living population under consideration. It does, however, provide a means of producing reasonable estimates of personal wealth utilizing existing data.

The probability that a person will die in a given year depends on the particulars of one's life. Age and sex are usually taken as indicators of these conditions. If one knows the mortality rate and the number of deaths for each age and sex group, one can approximate the population of living wealthholders.

Vital to the estimation of personal wealth is the use of a mortality rate appropriate to the top wealthholder population. This is essential to the estimates because there is much evidence that the wealthy have mortality rates that are lower than those of the population as a whole. In other words, social class is also a determinant in the "selection of the sample." Therefore, an adjustment to the general mortality rates is necessary.

The mortality rates assumed to approximate those of the wealthy are based on the mortality experience of the Metropolitan Life Insurance Company's preferred-risk policyholders. Mortality differentials were derived based on Metropolitan Life data for a series of years. Thus, the effect of the sampling variance of death has been reduced. Multipliers are then derived using the inverse of the adjusted mortality rates for each decedent according to age and sex. These multipliers, applied to sampled estate tax return data, produce wealth estimates for the living population.

The estimates of wealth are based on a sample of estate tax returns filed for 1989 decedents during 1989-1991. Sampling rates varied from 7 to 100 percent, with weights appropriate to each year maintained. Although this yielded a large overall sample size, the limited number of returns filed each year for decedents who were relatively young (under 40 years of age) or very wealthy (gross assets of \$5 million or more) can make results for these categories subject to considerable variance.

Death's achieved sample of these relatively young and very wealthy decedents in a given year can distort estimates of the wealth of the living. Death samples at varying rates which tend to average out over a period of years. This can result in large short-term fluctuations for a given year. When death "selects" a smaller sample, i.e., fewer deaths for a segment of the population during a sample year, wealth estimates of that segment will be lower than the true population values. Similarly, too large a sample produces estimates that overstate the wealth of the population.

In order to reduce the variability of the estimates, the sample of estate tax returns is designed so that it is stratified by age, as well as by size of gross estate. All returns filed for both the very wealthy (those with gross assets of \$5 million or more) and the relatively young (those under 40 years of age) were selected for the study. Thus, the sampling variance introduced by the Statistics of Income sample for returns of relatively young or wealthy decedents was eliminated.

The variability of the final estimates for very wealthy and relatively young individuals was further reduced by including in the sample all returns filed for non-1989 decedents during the 3-year period. These segments of the sample were then post-stratified and reweighted to represent the true 1989 decedent population. This technique reduces the effect of outliers on the estimates of the type and amount of wealth for the relatively young and very wealthy.

Further adjustments to the estimation technique have been incorporated in a continuing effort to improve the accuracy of the estimates. The use of returns for a particular year of death filed during a 3-year period is dependent upon the timely filing of all or nearly all the returns for that year, or, alternatively, an awareness of the number of missing or yet-to-be-filed returns. Data for prior years have allowed estimates to be made of the number of unfiled returns for 1989 decedents. This adjustment proved to be age dependent; the likelihood of a timely return being filed increases with the decedent's age, possibly because the elderly have been able to make more complete estate plans.

Basing the estimates on returns for a single year of death eliminated much of the distortion due to inflation. However, the problem was not entirely eliminated due to the use of all returns for the relatively young and very wealthy decedents regardless of the year of death. Money amounts for these individuals were converted to 1989 dollars to further reduce the effects of inflation on the estimates.

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Editor's Note: This paper originally appeared in the SOI Bulletin, Spring 1993.

Table 1.--All Top Wealthholders with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples - numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets		ts and gages		let . orth		eal tate
• ,		•	Number	Amount	Number	Amount	Number	. Amount
-	(1)	(2)	· (3)	. (4)	(5)	(6)	(7)	(8)
Total	3,416.8	5,390,431	2,969.1	585,964	3,416.8	4,804,467	3,150.7	1,674,667
Under \$600,0001	811.9	483.063	763.1	184,206	811.9	298,858	759.5	241,987
\$600,000 under \$1,000,000:	1,344.4	1,117,669	1,113.3	93,956	1,344,4	1,023,713	1,216.6	401.760
\$1,000,000 under \$2,500,000	945.4	1,539,118	812.7	135,316	945.4	1,403,801	879.8	513,803
\$2,500,000 under \$5,000,000	205.5	770,162	179.1	73,933	205.5	696,230	190,6	227,773
\$5,000,000 under \$10,000,000	73.1	529,737	66.5	37,497	73.1	492,240	69.2	124,634
\$10,000,000 or more	36.4	950,682	34.5	61,056	36.4	889,626	35.2	164,710
Size of net worth	Close	•		ther ock	C	ash ·		otal
	Number	Amount	Number _	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	762.2	561,372	2,399.3	848,968	3,336.9	513,422	1,876.1	561,452
Under \$600,0001	157.9	25,708	448.3	24,846	778.7	38.963	259.7	12.472
\$600,000 under \$1,000,000	221.8	51,148	957.6	147,681	1,319.9	161,072	799.9	109.943
\$1,000,000 under \$2,500,000	250.1	122,687	733.2	237,915	927.5	161,335	799.9 594.3	164,293
\$2,500,000 under \$5,000,000	80.7	90,946	164.0	139,992	201.9	60,923	138.3	84,379
\$5,000,000 under \$10,000,000	32.3	72,977	64.7	102,217	72.6	40,098	55.6	69,692
\$10,000,000 or more	19.5	197,905	31.5	196,317	36.3	51,031	28.4	120,673
Size of net worth	State a Governm		, ,	rate and n bonds		savings nds		Federal . ent bonds
	Number	Amount	Number	Amount	Number	. Amount	· Number	Amount
	(17)	(18)	(19)	(20)	. (21)	(22)	(23)	(24)
Total	1,330.9	370,917	735.7	42,514	393.4	.11,139	732.6	136,882
Under \$600,0001	130.6	7,370	76.2	1,253	78.2	902	67.4	2.948
\$600,000 under \$1,000,000	549.0	65,381	317.7	10,631	175.6	5,465	324.2	28,466
\$1,000,000 under \$2,500,000	464.9	111,431	247.6	11,044	111.1	. 3,322	248.0	38,496
\$2,500,000 under \$5,000,000	115.0	61,051	56.6	4,865	19.4	983	59.3	17,480
\$5,000,000 under \$10,000,000	46.6	50,655	24.5	4,995	6.5	290	21.0	13,752
\$10,000,000 or more	24.8	75,031	13.2	9,726	. 2.5	177	12.9	35,739
Size of net worth	Nonco busines	•		gages notes		surance uity :	Ot ass	her sets
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
•	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
	1,404.2	385,764	1,072.0	156,140	2,359.4	92,718	3,289.8	595,929
Total		00.540	180.8	11,493	733,3	32,490	784.9	66,560
	289.0	28.546						
Under \$600,000¹	289.0 475.6	28,546 50,630	405.5	39.667	831.5	21,224	1,279.5	134.543
Under \$600,000¹ \$600,000 under \$1,000,000				39,667 44,606	831.5 593.2	21,224 23,390	1,279.5 915.8	134,543 184,521
Total	475.6	50,630	405.5					
Under \$600,000¹ \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	475.6 443.8	50,630 86,569	405.5 335.1	44,606	593.2	23,390	915.8	184,521

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 2.—Male Top Wealthholders with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples -- numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets	Debts mortg			et rth	Re est	
			Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,989.3	3,149,720	1,740.5	416,308	1,989.3	2,733,412	1,845.3	940,002
Under \$600,000¹	610.1	355,648	567.4	143,501	610.1	212,147	569.6	168,692
\$600,000 under \$1,000,000	672.8	575,397	556.8	61,242	672.8	514,155	616.4	201,492
\$1,000,000 under \$2,500,000	523.0	869,203	450.3	91,293	523.0	777,910	489.1	277,520
\$2,500,000 under \$5,000,000	119.2	. 455,967	105.6	52,515	119.2	403,452	109.4	126,970
\$5,000,000 under \$10,000,000	42.5	311,404	39.6	24,544	42.5	286,860	39.9	65,787
\$10,000,000 or more	21.7	582,103	20.8	43,215	21.7	538,888	20.9	99,541
	Close	ly held	Ot	her	Ca	ısh	To	
Size of net worth	sto	ock	sto	ock			boi	nds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	541.0	402,971	1,353.1	433,099	1,940.3	270,116	973.1	264,753
Under \$600,000¹		20,740	344.5	19,173	585.8	26,300	187.0	7,523
\$600,000 under \$1,000,000	151.3	36,094	465.1	63,171	658.0	71,654	359.4	44,071
\$1,000,000 under \$2,500,000		90,265	392.5	109,972	514.2	84,619	303.5	74,168
\$2,500,000 under \$5,000,000	56.4	66,596	95.9	76,767	118.4	36,390	75.8	41,800
\$5,000,000 under \$10,000,000	20.9	51,426	36.9	55,583	42.4	22,402	31.4	38,306
\$10,000,000 or more	12.8	137,851	18.4	108,434	21.6	28,750	16.0	58,884
Size of net worth		nd local ent bonds		ate and bonds		l savings nds		Federal ent bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	667.8	176,084	362.7	21,928	234.7	5,242	341.8	61,498
Under \$600,0001	1	4,131	51.7	903	66.1	572	46.1	1,917
\$600,000 under \$1,000,000		26,261	133.5	4,758	88.4	2,117	135.2	10,935
\$1,000,000 under \$2,500,000		51,754	124.2	5,360	61.4	1,704	111.8	15,349
\$2,500,000 under \$5,000,000		30,503	32.4	2,727	12.9	586	30.6	7,984
\$5,000,000 under \$10,000,000		26,907	13.6	3,054	4.3	166	11.4	8,179
\$10,000,000 or more	13.7	36,528	7.3	5,125	1.6	97	6.7	17,134
	Nonce	orporate	Mort	gages	Life in	surance	o	ther
Size of net worth	1	s assets	and	notes	ec	juity	as	sets
and the second s	Number	Amount	Number	Amount	Number	Amount	Number	Amount
				(28)	(29)	(30)	(31)	(32)
	(25)	(26)	(27)	(20)			1	
Total		(26) 265,818	(27) 653.3	97,325	1,668.5	79,019	1,928.6	396,614
Total	915.6	265,818	653.3	97,325	1,668.5 576.3	79,019 28,266	1,928.6 592.7	396,614 53,020
Under \$600,0001	915.6 223.1	265,818 23,943	653.3 131.5	97,325 7,991		1	· '	
Under \$600,000¹\$600,000 under \$1,000,000	915.8 223.1 287.1	265,818 23,943 33,139	653.3 131.5 212.8	97,325	576.3	28,266	592.7	53,02 86,94
Under \$600,000¹\$600,000 under \$1,000,000\$1,000,000 under \$2,500,000	915.6 223.1 287.1 279.2	265,818 23,943 33,139 57,859	653.3 131.5	97,325 7,991 21,189	576.3 529.1	28,266 17,645	592.7 649.1	53,02
Under \$600,000¹\$600,000 under \$1,000,000	915.6 223.1 287.1 279.2 78.2	265,818 23,943 33,139	653.3 131.5 212.8 213.1	97,325 7,991 21,189 29,933	576.3 529.1 413.6	28,266 17,645 20,446	592.7 649.1 506.7	53,026 86,94 124,42

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 3.—Female Top Wealthholders with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples - numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets		ts and gages		let orth		eal tate
			Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,427.5	2,240,710	1,228.6	169,655	1,427.5	2,071,055	1,305.5	734,666
Under \$600,0001	201.8	127,416	195.7	40,705	201.8	86,711	189.9	73,295
\$600,000 under \$1,000,000	671.6	542,272	556.4	32,715	671.6	509,558	600.1	200,268
\$1,000,000 under \$2,500,000	422.4	669,915	362.3	44,024	422.4	625,891	390.6	236,283
\$2,500,000 under \$5,000,000	86.3	314,196	73.5	21,418	86.3	292,778	81.2	, 100,804
\$5,000,000 under \$10,000,000	, 30.7	218,333	26.9	12,953	30.7	205,380	29.3	58,847
\$10,000,000 or more	14.8	368,579	13.8	17,841	14.8	350,738	14.3	65,170
Size of net worth		ly held		her	Ca	ash		otal nds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
·	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	221.3	158,400	1,046.2	415,869	1,396.5	243,306	903.0	296,699
Under \$600,0001	32.4	4.967	103.8	5,674	192.8	12,662	72.7	4,949
\$600,000 under \$1,000,000	70.5	15,054	492.5	84,510	661.8	89,418	72.7 440.4	4,949 65,872
\$1,000,000 under \$2,500,000	76.2	32,423	340.8	127,943	413.3	76,716	290.8	90,125
52,500,000 under \$5,000,000	24.3	24,350	68.2	63,225	83.6	24,534	62.5	42,578
5,000,000 under \$10,000,000	11.4	21,552	27.8	46,634	30.3	17,696	24.2	31,386
\$10,000,000 or more	6.6	60,054	13.2	87,883	14.7	. 22,280	12.4	61 789
Size of net worth	-	ent bonds	foreigr	ate and bonds	. bo	savings nds	Governm	ederal ent bonds
	Number	Amount	Number	Amount	Number	. Amount	Number	Amount
	(17)	(18)	(19)	(20)	(21)	. (22)	(23)	(24)
						k		
Total	663.1	194,833	373.0	20,586	158.7	5,897	390.8	75,383
Jnder \$600,000¹	. 41.7	3,239	24.5	350	12.1	330	21.3	1,031
Under \$600,000¹ \$600,000 under \$1,000,000	. 41.7 305.1	3,239 39,120	24.5 184.2	350 5,873	12.1 87.3	330 3,348	21,3 189.0	1,031 17,531
Under \$600,000 ¹	. 41.7 305.1 229.3	3,239 39,120 59,676	24.5 184.2 123.4	350 5,873 5,684	12.1 87.3 49.7	330 3,348 1,618	21.3 189.0 136.2	1,031 17,531 23,147
Under \$600,0001	. 41.7 305.1 229.3 54.8	3,239 39,120 59,676 30,548	24.5 184.2 123.4 24.2	350 5,873 5,684 2,138	12.1 87.3 49.7 6.5	330 3,348 1,618 397	21.3 189.0 136.2 28.6	1,031 17,531 23,147 9,496
Inder \$600,0001	. 41.7 305.1 229.3	3,239 39,120 59,676	24.5 184.2 123.4	350 5,873 5,684	12.1 87.3 49.7	330 3,348 1,618	21.3 189.0 136.2	1,031 17,531 23,147
Under \$600,0001	. 41.7 305.1 229.3 54.8 21.0	3,239 39,120 59,676 30,548 23,748 38,503	24.5 184.2 123.4 24.2 10.9 5.9	350 5,873 5,684 2,138 1,941 4,601	12.1 87.3 49.7 6.5 2.2 0.9	330 3,348 1,618 397 124 80	21,3 189.0 136.2 28.6 9.6	1,031 17,531 23,147 9,496 5,573 18,605
Under \$600,0001	41.7 305.1 229.3 54.8 21.0 11.1	3,239 39,120 59,676 30,548 23,748 38,503	24.5 184.2 123.4 24.2 10.9 5.9	350 5,873 5,684 2,138 1,941 4,601	12.1 87.3 49.7 6.5 2.2 0.9	330 3,348 1,618 397 124 80	21.3 189.0 136.2 28.6 9.6 6.2	1,031 17,531 23,147 9,496 5,573 18,605
Inder \$600,0001	41.7 305.1 229.3 54.8 21.0 11.1 Noncol business	3,239 39,120 59,676 30,548 23,748 38,503 porate s assets	24.5 184.2 123.4 24.2 10.9 5.9 Morts and i	350 5,873 5,684 2,138 1,941 4,601	12.1 87.3 49.7 6.5 2.2 0.9 Life ins	330 3,348 1,618 397 124 80 surance	21.3 189.0 136.2 28.6 9.6 6.2 Ott	1,031 17,531 23,147 9,496 5,573 18,605
Under \$600,0001	41.7 305.1 229.3 54.8 21.0 11.1 Noncol business	3,239 39,120 59,676 30,548 23,748 38,503 Porate s assets	24.5 184.2 123.4 24.2 10.9 5.9 Morts and I	350 5,873 5,684 2,138 1,941 4,601 gages notes	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ	330 3,348 1,618 397 124 80 curance uity	21.3 189.0 136.2 28.6 9.6 6.2 Ott	1,031 17,531 23,147 9,496 5,573 18,605 her rets
Under \$600,0001	. 41.7 305.1 229.3 54.8 21.0 11.1 Noncol busines: Number (25)	3,239 39,120 59,676 30,548 23,748 38,503 porate s assets Amount (26) 119,946	24.5 184.2 123.4 24.2 10.9 5.9 Morts and i Number (27)	350 5,873 5,684 2,138 1,941 4,601 agges notes Amount (28)	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ Number (29)	330 3,348 1,618 397 124 80 surance uity Amount (30)	21.3 189.0 136.2 28.6 9.6 6.2 Ott ass Number (31)	1,031 17,531 23,147 9,496 5,573 18,605 her ets Amount (32)
Under \$600,0001	41.7 305.1 229.3 54.8 21.0 11.1 Noncol busines: Number (25) 488.5 65.9	3,239 39,120 59,676 30,548 23,748 38,503 Porate s assets Amount (26) 119,946 4,603	24.5 184.2 123.4 24.2 10.9 5.9 Monts and i Number (27) 418.7 49.3	350 5,873 5,684 2,138 1,941 4,601 pages notes Amount (28)	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ Number (29)	330 3,348 1,618 397 124 80 surance uity Amount (30) 13,698 4,223	21.3 189.0 136.2 28.6 9.6 6.2 Ott ass Number (31) 1,361.2	1,031 17,531 23,147 9,496 5,573 18,605 her ets Amount (32) 199,310
Under \$600,0001	41.7 305.1 229.3 54.8 21.0 11.1 Noncol busines: Number (25) 488.5 65.9 188.4	3,239 39,120 59,676 30,548 23,748 38,503 porate s assets Amount (26) 119,946 4,603 17,491	24.5 184.2 123.4 24.2 10.9 5.9 Morts and I Number (27) 418.7 49.3 192.8	350 5,873 5,684 2,138 1,941 4,601 gages notes Amount (28) 58,816 3,502 18,478	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ Number (29) 690.9 157.0 302.5	330 3,348 1,618 397 124 80 surrance uity Amount (30) 13,698 4,223 3,579	21.3 189.0 136.2 28.6 9.6 6.2 Ott ass Number (31) 1,361.2 192.2 630.3	1,031 17,531 23,147 9,496 5,573 18,605 her eets Amount (32) 199,310 13,540 47,602
Under \$600,000¹	41.7 305.1 229.3 54.8 21.0 11.1 Noncol busines: Number (25) 488.5 65.9	3,239 39,120 59,676 30,548 23,748 38,503 Porate s assets Amount (26) 119,946 4,603 17,491 28,710	24.5 184.2 123.4 24.2 10.9 5.9 Mortogand I Number (27) 418.7 49.3 192.8 122.0	350 5,873 5,684 2,138 1,941 4,601 gages notes Amount (28) 58,816 3,502 18,478 14,673	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ Number (29) 690.9 157.0 302.5 179.6	330 3,348 1,618 397 124 80 curance uity Amount (30) 13,698 4,223 3,579 2,943	21.3 189.0 136.2 28.6 9.6 6.2 Off ass Number (31) 1,361.2 192.2 630.3 409.1	1,031 17,531 23,147 9,496 5,573 18,605 her lets Amount (32) 199,310 13,540 47,602 60,099
Under \$600,000¹	41.7 305.1 229.3 54.8 21.0 11.1 Noncol busines: Number (25) 488.5 65.9 188.4 164.6	3,239 39,120 59,676 30,548 23,748 38,503 porate s assets Amount (26) 119,946 4,603 17,491	24.5 184.2 123.4 24.2 10.9 5.9 Morts and I Number (27) 418.7 49.3 192.8	350 5,873 5,684 2,138 1,941 4,601 gages notes Amount (28) 58,816 3,502 18,478	12.1 87.3 49.7 6.5 2.2 0.9 Life ins equ Number (29) 690.9 157.0 302.5	330 3,348 1,618 397 124 80 surrance uity Amount (30) 13,698 4,223 3,579	21.3 189.0 136.2 28.6 9.6 6.2 Ott ass Number (31) 1,361.2 192.2 630.3	1,031 17,531 23,147 9,496 5,573 18,605 her eets Amount (32) 199,310 13,540 47,602

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 4.—Top Wealthholders Under 50 Years of Age with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples -- numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets	Debts mortg		N ₀		Re esta	
			Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total	1,196.6	1,693,990	1,108.0	310,110	1,196.6	1,383,880	1,103.9	591,362
Under \$600,000¹	538.2	302,485	510.7	127,083	538.2	175,402	504.5	159,306
\$600,000 under \$1,000,000	321.2	291,090	289.1	46,259	321.2	244,831	283.8	115,278
\$1,000,000 under \$2,500,000	247.2	440,871	226.1	66,902	247.2	373,969	233.0	162,548
\$2,500,000 under \$5,000,000	58.5	240,264	52.2	38,864	58.5	201,400	52.5	81,905
\$5,000,000 under \$10,000,000	21.0	154,325	19.5	14,262	21.0	140,064	19.8	41,936
\$10,000,000 or more	10.4	264,954	10.4	16,740	10.4	248,214	10.3	30,389
Size of net worth	Closel sto	•		her ock	Ca	ısh	To bor	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
T-1-1	321.1	225,675	716.4	194,219	1,150.5	130,803	452.9	94,365
Total		·		· .	·	·		5,121
Under \$600,0001		17,385	279.0	13,138	514.5	22,310	147.4 144.2	14,409
\$600,000 under \$1,000,000	84.8	20,934	200.3	26,867	310.0	31,493	144.2 110.6	25,444
\$1,000,000 under \$2,500,000		50,580	172.2	57,932	237.8	37,700	29.5	14,758
\$2,500,000 under \$5,000,000		30,915	39.7	36,816	57.0 20.7	16,751 12,734	14.0	13,142
\$5,000,000 under \$10,000,000		22,507	17.4 7.8	20,782 38,684	10.4	9,815	7.2	21,492
\$10,000,000 or more	7.1	83,353	7.8	30,004	10.4	0,010		,
Size of net worth		nd local ent bonds		rate and bonds		savings nds		Federal ent bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total								
	265.9	51,179	147.8	9,403	103.3	972	158.8	32,811
Under \$600 0001	265.9 67.7	51,179 3,090	147.8 39.4	9, 403 440	1 03.3 49.1	972 372	158.8 37.0	32,811 1,218
Under \$600,000¹ \$600 000 under \$1,000 000	67.7		ŀ	· '				i i
\$600,000 under \$1,000,000	67.7	3,090	39.4	440	49.1	372	37.0	1,218
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	67.7 88.7 71.1	3,090 8,010	39.4 48.0	440 1,424	49.1 24.0	372 147	37.0 52.4 50.3 13.2	1,218 4,828 9,599 5,116
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000	67.7 88.7 71.1 21.6	3,090 8,010 13,840	39.4 48.0 39.1	440 1,424 1,569	49.1 24.0 23.7	372 147 436	37.0 52.4 50.3 13.2 3.5	1,218 4,828 9,599 5,116 2,415
\$600,000 under \$1,000,000	67.7 88.7 71.1 21.6	3,090 8,010 13,840 8,096	39.4 48.0 39.1 11.6	440 1,424 1,569 1,543	49.1 24.0 23.7 4.2	372 147 436 2	37.0 52.4 50.3 13.2	1,218 4,828 9,599 5,116
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	67.7 88.7 71.1 21.6 10.5 6.4	3,090 8,010 13,840 8,096 8,898	39.4 48.0 39.1 11.6 6.1 3.6	440 1,424 1,569 1,543 1,816	49.1 24.0 23.7 4.2 *1.8 Life in:	372 147 436 2	37.0 52.4 50.3 13.2 3.5 *2.4	1,218 4,828 9,599 5,116 2,415
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more.	67.7 88.7 71.1 21.6 10.5 6.4	3,090 8,010 13,840 8,096 8,898 9,245	39.4 48.0 39.1 11.6 6.1 3.6	440 1,424 1,569 1,543 1,816 2,611	49.1 24.0 23.7 4.2 *1.8 Life in:	372 147 436 2 *14 	37.0 52.4 50.3 13.2 3.5 *2.4	1,218 4,828 9,599 5,116 2,415 *9,636
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more.	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines	3,090 8,010 13,840 8,096 8,898 9,245	39.4 48.0 39.1 11.6 6.1 3.6 Mort	440 1,424 1,569 1,543 1,816 2,611 gages notes	49.1 24.0 23.7 4.2 *1.8 Life in:	372 147 436 2 *14 surance uity	37.0 52.4 50.3 13.2 3.5 *2.4	1,218 4,828 9,599 5,116 2,415 *9,636
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more.	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25)	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets	39.4 48.0 39.1 11.6 6.1 3.6 Mont and	440 1,424 1,569 1,543 1,816 2,611 gages notes	49.1 24.0 23.7 4.2 *1.8 Life in: eq	372 147 436 2 *14 surance uity	37.0 52.4 50.3 13.2 3.5 *2.4 Ot as:	1,218 4,828 9,599 5,116 2,415 9,636 her sets
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25)	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets Amount (26)	39.4 48.0 39.1 11.6 6.1 3.6 Mort and Number (27)	440 1,424 1,569 1,543 1,816 2,611 gages notes Amount (28) 39,218	49.1 24.0 23.7 4.2 *1.8 ————————————————————————————————————	372 147 436 2 *14 	37.0 52.4 50.3 13.2 3.5 *2.4 Ot ass: Number	1,218 4,828 9,599 5,116 2,415 *9,636 her sets Amount (32) 218,189
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25) 528.6	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets Amount (26) 165,752 19,613	39.4 48.0 39.1 11.6 6.1 3.6 Mort and Number (27) 318.9 103.8	440 1,424 1,569 1,543 1,816 2,611 gages notes Amount (28) 39,218 5,841	49.1 24.0 23.7 4.2 *1.8 — Life in: eq Number (29)	372 147 436 2 *14 surance uity Amount (30)	37.0 52.4 50.3 13.2 3.5 *2.4 Ot as: Number (31)	1,218 4,828 9,599 5,116 2,415 *9,636 her sets Amount (32) 218,189 41,004
\$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25) 528.6 191.7 149.4	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets Amount (26) 165,752 19,613 24,379	39.4 48.0 39.1 11.6 6.1 3.6 Mort and Number (27) 318.9 103.8 96.6	440 1,424 1,569 1,543 1,816 2,611 gages notes Amount (28) 39,218 5,841 10,906	49.1 24.0 23.7 4.2 *1.8 — Life in: eq Number (29) 935.1 494.4	372 147 436 2 *14 surance uity Amount (30) 34,406 18,768	37.0 52.4 50.3 13.2 3.5 *2.4 Ot as: Number (31) 1,153.4 517.7	1,218 4,828 9,599 5,116 2,415 *9,636 her sets Amount (32) 218,189 41,004 41,650
\$600,000 under \$1,000,000	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25) 528.6 191.7 149.4 128.1	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets Amount (26) 165,752 19,613 24,379 33,172	39.4 48.0 39.1 11.6 6.1 3.6 Mort and Number (27) 318.9 103.8 96.6 75.3	440 1,424 1,569 1,543 1,816 2,611 gages notes Amount (28) 39,218 5,841 10,906 10,089	49.1 24.0 23.7 4.2 *1.8 Life in: eq Number (29) 935.1 494.4 217.7	372 147 436 2 *14 	37.0 52.4 50.3 13.2 3.5 *2.4 Or as: Number (31) 1,153.4 517.7 307.1	1,218 4,828 9,599 5,116 2,415 *9,636 her sets Amount (32) 218,189 41,004 41,650 57,846
\$600,000 under \$1,000,000	67.7 88.7 71.1 21.6 10.5 6.4 Nonco busines Number (25) 528.6 191.7 149.4 128.1 34.9	3,090 8,010 13,840 8,096 8,898 9,245 rporate s assets Amount (26) 165,752 19,613 24,379	39.4 48.0 39.1 11.6 6.1 3.6 Mort and Number (27) 318.9 103.8 96.6	440 1,424 1,569 1,543 1,816 2,611 gages notes Amount (28) 39,218 5,841 10,906	49.1 24.0 23.7 4.2 *1.8 Life in: eq Number (29) 935.1 494.4 217.7 160.7	372 147 436 2 *14 surance uity Amount (30) 34,406 18,768 5,175 5,559	37.0 52.4 50.3 13.2 3.5 *2.4 Ot as: Number (31) 1,153.4 517.7 307.1 240.2	1,218 4,828 9,599 5,116 2,415 *9,636 her sets

^{*} Estimate should be used with caution because of the small number of sampled estate tax returns on which it is based.

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 5.—Top Wealthholders Age 50 Under 65 Years with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples - numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets	B .	ts and tgages		Net . orth		eal tate
	_		Number	Amount	Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)	, 0	. (8)
Total	1,157.4	1,887,231	994.0	204,965	1,157.4	1,682,266	1,099.0	635,510
Under \$600,0001	222.5	145,425	203.8	48,600	222.5	96,825	208.1	66,290
\$600,000 under \$1,000,000	476.2	397,780	396.5	34,974	476.2	362,806	452.2	157,495
\$1,000,000 under \$2,500,000	345.0	561,093	294,5	52,414	345.0	508,679	329.1	204,181
\$2,500,000 under \$5,000,000	76.1	282,246	65.0	26,514	76.1	255,732	73.4	88,941
\$5,000,000 under \$10,000,000	25.1	185,069	22.7	15,608	25.1	169,461	24.1	43,328
\$10,000,000 or more	12.6	315,618	11.5	26,855	12.6	288,763	12.2	75,274
Size of net worth		ly held ock	1	ther ock	C	ash		otal nds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	· (16)
Total	294.8	204,516	839.2	252,405	1,134.9	158,258	621.1	154,159
Under \$600,0001	40.7	6,749	139.4	· ·	-	•		
\$600,000 under \$1,000,000	92.0	20,748	139.4 337.5	8,866 44,593	214.8 468.4	12,622	85.4	5,033
1,000,000 under \$2,500,000	105.0	47,698	265.0	68,250	468.4 339.7	45,318	256.6	28,160
2,500,000 under \$5,000,000	36.5	39,325	63.6	41,308		49,304	203.0	45,326
\$5,000,000 under \$10,000,000	13.5	29,880	22.5	32,761	74.5 25.1	20,594	48.7	23,249
\$10,000,000 or more	7.1	60,116	11.3	56,626	12.4	11,696 18,722	18.1 9.3	20,745 31,647
Size of net worth	State a		•	rate and n bonds		savings nds		ederal ent bonds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
;	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
Total	451.0	104,486	226.8	11,999	124.6	2,437	227.5	35,236
Jnder \$600,0001	46.2	3,099	26.9	483	24.0	360	23.0	1,091
600,000 under \$1,000,000	182.0	16,716	87.0	2,391	56.1	1,222	98.0	7,830
1,000,000 under \$2,500,000	160.6	30,606	81.3	4,097	35.3	622	76.7	10,000
2,500,000 under \$5,000,000	39.6	17,483	19.5	1,344	6.4	125	18.9	4,297
5,000,000 under \$10,000,000	15.2	14,786	8.1	1,627	1.8	88	6.8	4,244
10,000,000 or more	7.6	21,796	4.1	2,057	1.1	20	4.1	7,775
Size of net worth	Noncor business	•		jages notes		surance uity	Otl	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
Total	530.3	145,372	394.5	63,000	854.0	42,245	1,132,4	231,768
Inder \$600,0001	79.5	7,549	56.2	3,330	199.8	12.316	219.0	22,668
600,000 under \$1,000,000	184.8	16,533	144.4	13,792	333.9	10,821	463.6	60,320
1,000,000 under \$2,500,000	187.4	34,772	135.9	18,773	242.5	12,029	337.8	80,759
2,500,000 under \$5,000,000	49.3	26,126	36.3	8,056	51.2	3,867	74.7	30,779
-,000,000 andor \$0,000,000						0,00.		
5,000,000 under \$10,000,000	18.9	18,971	13.6	8,302	18.2	1,807	24.9	17,578

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 6.—Top Wealthholders Age 65 Years or Older with Gross Assets of \$600,000 or More: Total and Type of Assets, Debts and Mortgages, and Net Worth, by Size of Net Worth

[All figures are estimates based on samples -- numbers are in thousands, money amounts are in millions of dollars]

Size of net worth	Number of top wealthholders	Total assets	Debts and mortgages			et orth	Real estate		
			Number	Amount	Number	Amount	Number	Amount	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Total	1,062.8	1,809,211	867.1	70,889	1,062.8	1,738,322	947.9	447,795	
Under \$600,0001	51.3	35,153	48.6	8,523	51.3	26,630	46.9	16,390	
\$600,000 under \$1,000,000	547.0	428,799	427.6	12,724	547.0	416,076	480.6	128,987	
\$1,000,000 under \$2,500,000	353.2	537,154	292.1	16,001	353.2	521,153	317.6	147,074	
\$2,500,000 under \$5,000,000	70.9	247,652	61.8	8,554	70.9	239,098	64.8	56,927	
\$5,000,000 under \$10,000,000	27.0	190,343	24.3	7,627	27.0	182,716	25.3	39,370	
\$10,000,000 or more	13.4	370,109	12.6	17,461	13.4	352,648	12.7	59,047	
Size of net worth	Close	ly held ock		her ock	Ca	ısh		otal nds	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Total	146.4	131,180	843.7	402,344	1,051.5	224,361	802.1	312,928	
Under \$600,0001	9.7	1,573	29.9	2,842	49.3	4,031	26.9	2,319	
\$600,000 under \$1,000,000	45.0	9,466	419.8	76,222	541.4	84,261	399.0	67,375	
\$1,000,000 under \$2,500,000		24,410	296.1	111,733	350.1	74,331	280.7	93,523	
\$2,500,000 under \$5,000,000	19.8	20,706	60.7	61,867	70.4	23,578	60.0	46,372	
\$5,000,000 under \$10,000,000	9.0	20,590	24.9	48,674	26.9	15,667	23.5	35,805	
\$10,000,000 or more	5.3	54,436	12.4	101,007	13.4	22,494	12.0	67,535	
Size of net worth	State a Governm			ate and bonds		savings nds		Other Federal Government bonds	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
Total	614.0	215,252	361.1	21,113	165.6	7,730	346.4	68,834	
Under \$600,0001	16.7	1,180	9.9	330	5.1	169	7.4	639	
\$600,000 under \$1,000,000	278.3	40,654	182.7	6,816	95.6	4,096	173.8	15,808	
								18,897	
\$1,000,000 under \$2,500,000	233.3	66,984	127.2	5,379	52.1	2,264	120.9	10,097	
		66,984 35,472	127.2 25.6	5,379 1,978	52.1 8.9	2,264 855	120.9 27.2	8,067	
\$2,500,000 under \$5,000,000				-,			. –	-,	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000	53.8	35,472	25.6	1,978	8.9	855	27.2	8,067	
\$1,000,000 under \$2,500,000 \$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	53.8 21.0 10.9 Nonco	35,472 26,971	25.6 10.3 5.5 Morte	1,978 1,552	8.9 2.9 1.0 Life ins	855 188	27.2 10.7 6.4	8,067 7,094	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	53.8 21.0 10.9 Nonco	35,472 26,971 43,990 rporate	25.6 10.3 5.5 Morte	1,978 1,552 5,058	8.9 2.9 1.0 Life ins	855 188 157 surance	27.2 10.7 6.4	8,067 7,094 18,329	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	53.8 21.0 10.9 Nonco busines	35,472 26,971 43,990 rporate s assets	25.6 10.3 5.5 Morte and	1,978 1,552 5,058 gages notes	8.9 2.9 1.0 Life ins	855 188 157 surance uity	27.2 10.7 6.4 Ot	8,067 7,094 18,329 ther sets	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more	53.8 21.0 10.9 Nonco busines	35,472 26,971 43,990 rporate s assets	25.6 10.3 5.5 Mont and	1,978 1,552 5,058 gages notes	8.9 2.9 1.0 Life ins eq Number	855 188 157 surance uity	27.2 10.7 6.4 Ot as:	8,067 7,094 18,329 ther sets	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth	53.8 21.0 10.9 Nonco busines Number (25)	35,472 26,971 43,990 rporate s assets Amount (26)	25.6 10.3 5.5 Mort and Number (27)	1,978 1,552 5,058 gages notes Amount (28) 53,923	8.9 2.9 1.0 Life ins eq Number (29)	855 188 157 surance uity Amount (30) 16,068	27.2 10.7 6.4 On as: Number (31)	8,067 7,094 18,329 ther sets Amount (32)	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth Total	53.8 21.0 10.9 Nonco busines Number (25) 345.3 17.8	35,472 26,971 43,990 rporate s assets Amount (26) 74,840 1,384	25.6 10.3 5.5 Mort and Number (27) 358.6 20.8	1,978 1,552 5,058 gages notes Amount (28) 53,923 2,322	8.9 2.9 1.0 Life inseq Number (29) 570.2 39.2	855 188 157 Surance uity Amount (30) 16,066 1,405	27.2 10.7 6.4 On as: Number (31) 1,004.0 48.2	8,067 7,094 18,329 ther sets Amount (32) 145,972 2,887	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth Total	53.8 21.0 10.9 Nonco busines Number (25) 345.3 17.8 141.4	35,472 26,971 43,990 rporate s assets Amount (26) 74,840 1,384 9,718	25.6 10.3 5.5 Morte and Number (27) 358.6 20.8 164.5	1,978 1,552 5,058 gages notes Amount (28) 53,923 2,322 14,969	8.9 2.9 1.0 Life inseq Number (29) 570.2 39.2 279.9	855 188 157 Surance uity Amount (30) 16,066 1,405 5,228	27.2 10.7 6.4 Ot as: Number (31) 1,004.0 48.2 508.8	8,067 7,094 18,329 ther sets Amount (32) 145,972 2,887 32,573	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth Total Under \$600,000¹ \$600,000 under \$1,000,000 \$1,000,000 under \$2,500,000	53.8 21.0 10.9 Nonco busines Number (25) 345.3 17.8 141.4 128.3	35,472 26,971 43,990 rporate s assets Amount (26) 74,840 1,384 9,718 18,625	25.6 10.3 5.5 Morty and Number (27) 358.6 20.8 164.5 123.9	1,978 1,552 5,058 gages notes Amount (28) 53,923 2,322 14,969 15,743	8.9 2.9 1.0 Life inseq Number (29) 570.2 39.2 279.9 190.0	855 188 157 surance uity Amount (30) 16,066 1,405 5,228 5,801	27.2 10.7 6.4 Ot as: Number (31) 1,004.0 48.2 508.8 337.8	8,067 7,094 18,329 ther sets Amount (32) 145,972 2,887 32,573 45,915	
\$2,500,000 under \$5,000,000 \$5,000,000 under \$10,000,000 \$10,000,000 or more Size of net worth	53.8 21.0 10.9 Nonco busines Number (25) 345.3 17.8 141.4 128.3	35,472 26,971 43,990 rporate s assets Amount (26) 74,840 1,384 9,718	25.6 10.3 5.5 Morte and Number (27) 358.6 20.8 164.5	1,978 1,552 5,058 gages notes Amount (28) 53,923 2,322 14,969	8.9 2.9 1.0 Life inseq Number (29) 570.2 39.2 279.9	855 188 157 Surance uity Amount (30) 16,066 1,405 5,228	27.2 10.7 6.4 Ot as: Number (31) 1,004.0 48.2 508.8	8,067 7,094 18,329 ther sets Amount (32) 145,972 2,887	

¹ Includes top wealthholders with negative net worth.

NOTE: Detail may not add to totals because of rounding.

Table 7.—Top Wealthholders with Gross Assets of \$600,000 or More and Net Worth Under \$10,000,000: Total and Selected Assets, Debts and Mortgages, and Net Worth, by State of Residence [All tigures are estimates based on samples – numbers are in thousands, money amounts are in millions of dollars]

State of residence	Number of top wealthholders	Total assets	Debts and mortgages		1	let . orth
·			Number	Amount	Number	Amount
	(1)	(2)	(3)	(4)	(5)	(6)
Total	3,380.3	4,439,561	2,934.5	525,097	3,380.3	3,914,463
Alabama	30.1	45,408	25.2	5,646	- 30.1	39,763
Alaska	6.7	- 7,514	5.9	1,239	6.7	6,275
Arizona	42.3	67,165	37.9	8,665	- 42.3	58,500
Arkansas		22,173	14.5	2,629	17.1	19,544
California	1	943,548	573.5	133,200	661.9	810,349
Colorado		50,976	35.4	5,566	42.3	45,410
Connecticut		123,644	91.4	14,039	98.7	109,605
District of Columbia		16,041 16,492	10.7 12.5	1,771 1,566	13.1 13.1	14,270 14.926
Florida		348,654	204.1	41,060	240.8	307,594
Georgia		· '				· ·
Hawaii	1	81,211 28,393	62.7 18.3	.12,425 2,447	68.7 22.3	68,786 25,947
Idaho		9,015	6.7	1,275	7.7	25,947 7,740
Illinois	148.0	201,884	126.2	20,184	148.0	181,701
Indiana		45,772	31.3	3,188	37.0	42,584
lowa	33.1	37,080	24.5	4,145	33.1	32,936
Kansas		29,255	22.9	2,607	28.3	26,648
Kentucky		. 38,339	26.2	5,563	30.9	32,776
Louisiana	30.6	37,922	28.7	5,598	30.6	32,324
Maine	. 16.2	24,673	13.9	2,781	16.2	21,892
Maryland	65.2	97,857	56.4	9,673	65.2	88,184
Massachusetts	108.8	121,856	105.2	15,426	108.8	106,430
Michigan		103,254	71.2	11,039	85.3	92,215
Minnesota	44.3	51,211	36.1	4,936	44.3	46,274
Mississippi	. 16.8	17,398	15.5	2,598	16.8	14,800
Missouri	55.1	63,568	43.9	3,751	55.1	59,817
Montana	9.9	9,692	8.3	1,343	9.9	8,348
Nebraska	20.4	24,187	15.9	2,855	20.4	21,332
Nevada	21.0	35,383	17.7	5,536	21.0	29,848
New Hampshire		18,328	13.0	. 1,843	15.0	16,485
New Jersey		211,677	134.6	20,600	162.0	191,077
New Mexico	14.7 324.9	14,680	13.4	1,846	14.7	12,834
New YorkNorth Carolina	70.9	427,117 95,843	279.4 60.4	43,568 8,213	324.9 70.9	383,549 87,630
North Dakota	9.6	8,244	8.1	801	9.6	7,443
Ohio	99.1	122,323	87.2		99.1	•
Oklahoma		122,323 36,128	87.2 25.5	12,981 2.993	99.1 29.8	109,343 33,135
Oregon		28,357	18.4	2,300	29.8 24.4	33,135 26.058
Pennsylvania	126.6	147,743	114.2	14.344	126.6	133,399
Rhode Island	16.6	17,554	15.9	1,112	16.6	16,441
South Carolina		41,497	36,1	4,377	41.6	37,119
South Dakota		6,345	5.8	916	7.0	5,429
Tennessee	45.3	56,253	41.1	7,547	45.3	48,706
Texas	174.4	229,198	159.1	39,520	174.4	189,677
Utah	7.6	12,033	· 6.8	1,832	7.6	10,201
Vermont	7.0	8,163	6.5	1,183	7.0	6,980
Virginia	69.2	102,491	62.9	8,246	69.2	94,245
Washington		80,357	52.9	9,411	60.1	70,946
West Virginia		8,653	7.6	656	9.1	7,997
Wisconsin	36.3	50,588	31.2	4,118	36.3	46,470
Wyoming	6.3	7,676	.5,4	1,315	6.3	6,361
Other areas¹	7.2	8,747	6.5	2,627	7.2	6,120

Footnotes at end of table.

Table 7.--Top Wealthholders with Gross Assets of \$600,000 or More and Net Worth Under \$10,000,000: Total and Selected Assets, Debts and Mortgages, and Net Worth, by State of Residence--Continued

[All figures are estimates based on samples -- numbers are in thousands, money amounts are in millions of dollars]

State of residence		eal tate		oorate ook	C	ash	Во	nds
	Number	Amount	Number	Amount	Number	Amount	Number	Amount
	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Total	3,115.5	1,509,923	2,640.7	1,016,468	3,300.5	462,143	1,847.5	439,955
Nabama	. 27.8	17,159	26,5	11,904	29.0	3,623	15.4	4,483
laska		2,153	4.6	1,593	6.7	672	3.9	374
rizona		18,707	36.5	14,447	42.3	4,520	27.7	9,417
rkansas	16.5	7,023	14.1	6,909	17.0	2,045	7.4	2,015
California		481,634	474.7	143,790	647.6	81,208	305.0	60,373
Colorado	38,8	11,193	34.6	12,893	41.1	4,607	23.3	6,045
Connecticut		50,186	78.9	27,939	96.5	12,315	56.8	10,154
Delaware		5,089	11.5	4,523	13.1	2,207	8.3	1,727
District of Columbia		6,955	11.1	2,877	13.1	1,876	9.0	1,927
lorida	220.0	99,975	193.8	77,571	236.5	40,946	148.5	56,163
Georgia		26,372	52.9	18,545	68.5	8,258	31.1	7,034
ławaii		11,713	14.8	8,707	22.2	2,194	7.9	1,542
daho		2,772	6.2	1,946	7.7	1,052	3.7	745
llinois		57,470	119.7	50,781	144.7	24,090	82.7	23,004
ndiana		8,581	28.9	13,613	37.0	5,652	19.0	4,427
owa		8,899	26.3	11,074	32.5	5,211	21.3	3.227
Cansas		5,516	21.9	9,230	26.8	3,676	16.1	3,696
Centucky		8,765	23.4	10,847	30.3	5,825	15.2	4,835
_ouisiana		8,879	28.6	10,173	30.2	4,470	19.9	5,810
Vaine	7.1.2	7,595	14.9	6,875	16.1	1,626	10.7	3,417
_	l l	29,526	54.7	25,835	61.1	9.046	36.6	9.332
Maryland Massachusetts		45,217	81.3	27,447	106.2	12,233	51.5	11,172
viassachusetts Vichigan		21,908	70.8	31,221	84.2	11,601	48.2	10,214
Minnesota		10,336	36.0	16,372	42.5	4.825	27.0	6,014
ViinnesotaViississippi		5,628	15.1	4,094	16.1	1,909	7.5	1,619
		1	46.2	21,592	53.5	7 784	30.1	9,594
Missouri		11,445 2,884	8.5	1,927	9.9	930	7.8	1.094
Montana		5,560	13.5	8,778	20.1	2,337	13.0	2,356
Nebraska		16,291	15.3	5,455	19.4	2,782	9.2	3,009
Nevada New Hampshire		6,189	12.8	5,156	14.6	2,415	8.8	1,697
·		1 '	L .		154.7	23.679	93.3	17,577
New Jersey		67,294 4,744	130.3 10.5	46,550 2,367	154.7	1,702	8.3	1,504
New Mexico		132,342	240.1	96,066	317.4	45,713	186.4	43,936
New York		29,109	61.2	26,572	69.6	9,463	40.4	11,174
North Carolina		29,109	6.2	1,163	9.6	1,305	6.7	708
North Dakota				1		13.995	59.4	12,745
Ohio		24,421	83.3	43,581	94.9 28.9	13,995 6,548	14.5	4,799
Oklahoma		5,522	23.6	7,455	28.9	3,036	15.1	4,799
Oregon		5,971 36,382	20.1 100.5	8,531 38,296	124.0	17,870	79.9	18,828
Pennsylvania		4,933	13.0	4,064	16.6	3,195	11.4	2,445
Rhode Island		1 '		1 '		· ·	1	
South Carolina		14,391	30.1	10,212	40.2	3,628 584	21.8 2.1	2,848 475
South Dakota		2,269	5.0	1,344	6.6 43.8	5,838	22.4	6,595
Tennessee		17,771	33.5	12,200	172.8	26,969	95.8	21,813
Texas		70,885	140.5	49,179	7.6	26,969 899	3.7	1,078
Jtah	1	3,624	5.9	2,996	li .	1		
Vermont		1,912	6.5	3,256	6.7	1,006	4.2	786
Virginia		34,041	55.2	26,328	66.7	9,762	38.6	7,804
Washington		28,394	47.4	19,846	59.1	7,992	35.5	6,225
West Virginia		1,551	7.3	3,218	9.1	884	4.9	1,197
Wisconsin	33.9	13,526	31.5	15,860	35.2	4,151	24.1	5,265
Wyoming	5.5	2,761	5.5	1,642	5.5	716	4.2	652
Other areas¹		3,892	5.8	1,628	7.1	1,275	2.7	625

¹ U.S. citizens domiciled abroad. Persons who acquired U.S. citizenship solely by the virtue of being a citizen of Puerto Rico or the Virgin Islands are not included. NOTE: Detail may not add to totals because of rounding.

The Relationship Between Realized Income and Wealth

A Report From A Selected Sample of Estates Containing Farms or Businesses

by C. Eugene Steuerle, Ph.D

Income from wealth can be realized or unrealized for both tax and accounting purposes. Generally, realized income is in the form of direct cash flow from the underlying assets, while unrealized income is in the form of appreciation in the value of the assets. This division is not pure. The selling of an asset, for instance, causes a cash flow from previously unrealized income.

The Federal income tax is primarily a tax on realized income. The base for calculating the tax is essentially the cash receipts of the taxpayer less certain outlays for business costs. Imputations of changing asset value are normally not used, except in the case of depreciation of qualified assets.

In filing their income tax returns, taxpayers provide direct information on the amount of their income realization. These data are used for a wide variety of studies, ranging from national income accounting to analyses of behavioral reactions to tax disincentives. Whatever their limitations, income tax returns are widely believed to be one of the best sources of microdata on realized property income, partly because they do not suffer from the amount of underreporting present in survey data.

Unfortunately, previous comparisons of households on the basis of realized income suffered from the drawback that there was no information on the wealth which was the source of property income. One draws very different conclusions about a household which realizes \$10,000 in property income if the associated value of its property is \$100,000 than if it is \$1,000,000. Because unrealized income is not reported or even calculated by most households, knowledge of the wealth of households, when combined with other information on economic rates of return on assets, would also give a means of determining whether much economic income goes unrealized for tax purposes.

On a separate track, however, work has proceeded on the use of estate tax returns as a source of wealth data [1]. These data are highly valued because of the requirement of complete assessment of property value at death and because there have been serious problems of nonresponse and underreporting when other attempts have been made to gather data on the wealth of households.

The availability of a small national sample of estate tax returns matched with the previous year's income tax returns made possible a unique opportunity to examine the relationship between realized income from capital and the underlying value of the assets

that produced that income. This data set is especially rich in information on reported rates of return on closely held assets, as the sample consists of farmers and businessmen with substantial amounts of such assets at time of death. For purposes of this article, the ratio of realized income to value of wealth shall be referred to as the realized rate of return or simply the rate of return. The realized rate of return differs from the actual economic rate of return by the amount of unrealized income or other income on capital not reported on the tax return.

For this sample the size of the realized rate of return on all wealth is found to be around 2 percent, much less than would be recognized if that wealth were invested in the lowest paying savings account. Even when wage income is added to capital income (because of the difficulty of separating the two components), the amount of realized income is still less than 4 percent of the total value of assets.

Because economic theory holds that each investor equalizes after-tax rates of return on assets of equal risk, it is difficult to believe that these low realized rates of return actually reflect equally low economic rates of return. Indeed, if account is made for the illiquidity and riskiness [2] of many of the assets held by members of the sample, one would expect that the average economic return of these individuals would be in excess of the rate of return received by individuals holding less risky assets such as savings accounts and, therefore, considerably in excess of the rates of return realized for tax purposes. In a related paper [3], it was reported that the net income from capital reported on individual tax returns is less than one-third of the net income from capital (excluding inflationary returns) in the economy. The evidence presented here is consistent with the earlier finding that much income from capital is not reported or required to be reported on individual income tax returns.

This study also finds that the realized rate of return varies according to certain economic circumstances of the taxpayer. The realized rate of return on all assets generally declines as the value of assets increases. Even after accounting for portfolio differences, regression analysis reveals that there is still a significant rate of decline. In terms of portfolio differences themselves, the greater the precentage of assets which are closely held, the lower the realized rate of return on all assets. Additionally, farmers and owners of real estate businesses tend to realize lower rates of return on their total portfolio than other businessmen.

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^{*}Assistant Director, Office of Tax Analysis, Department of the Treasury. This is an abbreviated reprint of OTA Paper 50 issued in December 1982. (The views expressed are those of the author and do not necessarily reflect Treasury policy. The author invites comments, but requests that he not be quoted without his prior permission. He may be addressed at the office above located in Washington, DC 20220.)

This low ratio of realized income to economic income has a number of implications for both policy and research. For expenditure and tax policy, these results imply that realized income is not a very reliable measure of well-being, at least for persons with substantial ownership of capital. If need is based on economic income, then an expenditure program may be inadequately targeted if grants vary only with realized income. A similar limitation applies to the individual income tax system, where realized income is used as the measure of ability-to-pay.

Moreover, the efficiency of investment in the economy may be seriously distorted when the tax rate (or the potential for not realizing income) varies by asset type. Tax considerations lead individuals to invest more in assets for which smaller portions of total economic income are realized as income subject to tax. Resulting portfolio adjustments lead to a sectoral misallocation of investment.

The low ratio of realized income to asset value has implications for a number of related areas of research. Realized income is often used to measure the degree of inequality in society and counts of those in poverty [4]. This study provides further evidence of the extent to which such data, if not adjusted to account for unrealized income or wealth, must be interpreted with a good deal of caution.

Finally, realized income is sometimes used by researchers as a means to estimate wealth of households. Under the investment-income approach to wealth estimation, the wealth of an individual in a particular asset is estimated by dividing the realized income (data sources generally contain information only on realized income) from that asset by the expected rate of return on that asset.[5]. This article presents one of the few independent estimates of such rates of return, and perhaps the only independent estimate for those who wish to apply wealth/income multipliers to income tax return data.

SOURCE OF DATA

This study uses a sample of 117 estate tax returns matched with the income tax returns of decedents for the calendar year before the year of death. The estate tax returns were filed during 1973 (for deaths generally in 1972 or 1973), while the income tax returns usually covered calendar 1971 or calendar 1972 income. Each estate in the sample had a gross estate of \$60,000 or more, contained a large percentage of assets in the form of closely held business or farm, and its executor applied for deferred payment of estate tax. To be more precise, this study uses a random sample of returns which applied under IRS Code Section 6166 for an extension of time for payment of estate tax. Under this provision, the value of the interest in the closely held business must exceed 65 percent of the adjusted gross estate.

Although this study presents heretofore ungathered information on the important relationship between income and wealth for owners of closely held assets, ideally the sample would have included all estate tax returns, not just those with closely held assets. Nonetheless, it is hoped that this study will prove to be an important first step in estate-income analysis and a useful catalyst for comments on alternative approaches to using such data. Although the hypothesis cannot be tested here, we might also expect that much of the portfolio behavior of this sample is similar to that of wealthholders with similar amounts of wealth, especially with regard to behavioral responses to tax incentives.

The match of the estate tax with the previous year's income tax allowed a direct comparison of the income from capital with the value of the capital that produced that income. Since the year of death differed by one or two years from the year in which the income was recorded, the comparison was not exact. The value of an asset may have differed slightly from year to year, and the taxpayer may have engaged in purchases and sales of assets after the receipt of the income, but before death. In order to file for an extension of payment of estate tax, however, most of the assets for members of this sample had to be held in closely held businesses at time of death, and sales of portions of closely held businesses are often difficult. Moreover, to the extent that comsumption was likely to be financed out of sales of assets, any bias in the estimates of realized rates of return would be upward. However, if wealthholders tend not to consume out of their wealth [6], then the bias due to inexact match of year of income and year of valuation of assets is slightly downward, and the wealth measure should be discounted about one year.

Any bias due to the inexact match of year of death and year of income is still likely to be small. However, there are two tax accounting reasons why there is almost certain to be a net upward bias in the realized rate of return measures. First, valuations of farms and businesses for estate tax purposes are typically low. While estimates of value must be reasonable, there clearly is a tax incentive for executors and heirs to provide the lowest among reasonable estimates. Second, the measure of asset value includes only the assets of the deceased, while the income measure may include both the deceased's former income and that of a spouse.

Practically all of the data items were taken directly from the estate and income tax returns. Further information on items of data is contained at the end of this article.

REALIZED RATES OF RETURNS

Average rates of return for various asset types and various gross estate classes are presented in Table 1. (Estate classes are split so as to provide equal sample sizes in each class.) For closely held business assets of all members of this sample, income was only 1.15 percent of the value of the assets (3.56 percent is the average of the individual rates of return, if no weighting of individuals by amount of assets is made). Even this estimate may be high, as data limitations required attribution to the closely held business of all business and farm income reported on related tax schedules [7].

The rate of return for corporate stock is the dividend rate. To the extent that capital gains are earned and realized on such stock, the estimate of the realized rate of return from ownership of corporate stock does not reflect the total return. It is not possible in this study to separate out capital gains on corporate stock from other capital gains nor to know the year in which those capital gains were accrued. Dividends on nonclosely held stock equaled 2.32 percent of assets. This figure can be contrasted to a Standard and Poors dividend rate on 500 stocks of 2.84 percent for 1972 and 3.14 percent for 1971.

While all asset types exhibit realized rates of return which are low, the rate of return for stock of closely held corporations is the lowest of all. Closer examination of the data indicates that, of 49 persons owning stock in closely held corporations at

time of death, only 16 reported any dividends at all. Of these 16 persons, 5 had dividend rates of less than 1 percent, and 12 had rates of less than 3 percent. In effect, closely held corporations, at least in this sample, are not prone to pay out dividends. This result should not surprise us, for corporations (other than subchapter S corporations) are subject to corporate tax. Wages and dividends are both taxable to the individual recipient, but only wages are deductible against corporate tax.

When all nonwage income [8] is treated as capital income, the income for all members of the sample is only 1.88 percent of their assets. Capital income includes income from all nonwage sources, including savings accounts and capital gains, while the asset measure includes value of homes and durables. In practice, it is impossible to separate capital income from wage income for owners of business and farms. These owners may receive capital income in the form of wages or labor income in the form of profits. By adding income designated as "wages" to capital income, then, we can derive an upper bound for the income earned on all assets. Total income is still only 3.66 percent of the value of assets.

No matter what the measure of realized rate of return or the gross estate class, the rate is quite low--less than the lowest paying savings account. Moreover, as noted in the previous section, this method of estimation probably results in an overstatement of the rate actually declared. When wages are added to income from capital, the resulting measure of the realized rate of return from capital is biased upward even more.

REGRESSION RESULTS

From Table 1, it appears that the realized rate of return decreases as gross estate size increases and that the rate of return is lower for closely held businesses than for other assets. For tax reasons, of course, we should not find such results surprising. Larger gross estate sizes are generally indicative of higher marginal tax rates. Taxpayers with higher marginal tax rates shift toward assets for which exclusions of income from tax are possible. Moreover, assets cannot be costlessly exchanged once they have appreciated in value (that is, investors become "locked into" their assets because of the capital gains taxes); therefore, past as well as current marginal tax rates may have induced the particular portfolios observed at any one point in time. Indeed, current wealth may be more representative than current income of the marginal rates which influenced the existing portfolio.

While tax effects clearly induce the distribution of assets among different income and wealth groups, the data are insufficient to determine whether these low realized rates of return imply low economic rates of return as well [9]. Economic theory does hold that after-tax rates of return on assets of equal risk are equilibrated across assets and that differentials in tax rates will become reflected in different before-tax rates of return on the assets. [10] However, this study finds that lower realized rates of return are generally associated with assets considered to have higher risk. Thus, the tax effects may indeed have lowered the economic rate of return on risky, but tax-preferred, assets relative to other assets; however, the economic rate is still likely to be higher for these risky assets than for many less risky investments such as interest-bearing financial instruments. Empirical evidence generally has borne out the finding of higher economic rates of return to

assets with higher risk [11, 12]. There is no reason to suspect that such findings are not also applicable to this sample.

There are two related reasons to believe that lower realized rates of return do not imply lower economic rates of return for persons with large amounts of wealth. First, the very presence of large amounts of wealth means that top wealthholders are likely to have been persons who were successful, rather than unsuccessful, in their investment. Second, top wealthholders are also likely to be persons who accumulated rather than consumed much of their income. In this case, a lower realized rate of return may simply indicate that persons with higher rates of savings do not need to realize as much income to finance their consumption.

One means of testing this last hypothesis is to see if increases in wealth significantly affect realized rates of return even after accounting for differences in portfolio allocation. Such a finding would lend support to the notion that larger wealthholders are more likely to take advantage of the option not to realize income even when they receive equal before-tax rates of return on particular types of assets.

In this section we use regression analysis to find out whether the relationship between realized rate of return and wealth is statistically significant and, further, whether realized rates of return vary by type of asset held, e.g., by type of closely held business: farm, real estate, or other business. Accordingly, regressions were run using rates of return from closely held business or farm (noncorporate), corporate stock, and all assets as dependent variables. In the case of all assets, wage income is both excluded and included in the measure of income and, hence, rate of return from those assets. Recall that for owners of closely held business, it is often difficult to separate wage from capital income.

Table 2 presents the results of these regressions. For each dependent variable, one equation was run using only one independent variable—the value of the assets from which the related income is derived. For instance, if the rate of return from corporate stock is the dependent variable, the independent variable is the value of all corporate stock in the estate. In remaining equations, other possible explanatory variables are added: the value of all other assets, income other than the income from the particular assets being examined, dummy variables for closely held business comprised entirely of farm assets or of real estate assets, and variables which reflect the percentage of assets in closely held or corporate form.

The first equation of each series is meant primarily to be descriptive of the data. We check to see whether rates of return for closely held assets and all assets decline as the amount of ownership of those assets increase. As suggested by the summary data reported in the previous section, these do indeed decline and the relationship tends to be significant for all except corporate stock, although for closely held business (noncorporate), the relationship is significant only at the .10 level. Although not reported in Table 2, similar regressions using value of all assets (rather than assets from which the income was derived) as the only independent variable show similar results—a decline in realized rate of return for all except corporate stock as the value of assets increases.

The rate of return for closely held businessess or farms is found to be sensitive primarily to the value of other assets (see equation 1b). For a \$1 million increase in value of assets other than closely held businesses, the rate of return on closely held business goes up by 11.0 percentage points. For a \$1 million increase in closely held business assets, the realized rate of return on those assets goes down by 1.8 percentage points, but the relationship is no longer significant. A possible explanation of this result is as follows: as noted before, owners of closely held business have a great deal of discretion as to when to realize income, and, like other wealthholders, they tend to realize lower rates of return as their wealth increases. However, persons who show greater amounts of other assets include both those who are diversifying in order to obtain better or less risky returns elsewhere and those who find it necessary to realize more income in order to obtain more liquidity, perhaps to cover consumption needs. In summary, for owners of closely held business, the presence of larger amounts of other assets indicates a greater current tendency to realize income from the closely held assets themselves.

Other variables add little to the explanation of the realized rate of return on closely held business. Other income [13]—in part a proxy for marginal tax rates applying when the first dollar of income is received from the business—is insignificant, as are dummy variables for farm and real estate. As noted above, however, past marginal tax rates may be more appropriate than current marginal tax rates when examining those parts of portfolios which are especially locked in due to past investment decisions.

Turning to corporate stock, we find that only the "percentage of stock held closely" tends to explain much of the difference among individuals in rates of return (equation 2b). Given the tax incentive for owners of closely held corporations to pay wages in lieu of dividends, we expected the dividend rate on closely held stock to be lower than the dividend rate on other corporate stock. This is indeed what we found.

A number of theories assert that taxpayers with higher-than-average marginal tax rates will tend to hold corporate stock with lower-than-average dividend rates [14]. However, we found no significant negative correlation between the dividend/price ratio and income (or wealth) in this sample.

In equation (3b), we test whether the rate of return on all assets, capital income only, is related to several variables: value of assets, amount of other income, type of closely held business—farm, real estate, or other business, and percentage of assets in 1) noncorporate, closely held form, 2) stock of closely held corporations, and 3) stock of nonclosely held corporations. Only "other income" and "percentage of assets in noncorporate, closely held form" are significant at the .10 level [15].

The percentage of assets in noncorporate, closely held form is significant not only in equation (3b), but in all equations in which it is introduced as a variable. However, equation (2b) is the only equation in Table 2 in which "other income" is significant, although only at the .10 level. Economic theory suggests that as other income goes up and marginal tax rates rise, taxpayers would tend to control their portfolios so as to minimize the extent to which the economic return from assets is realized for tax purposes. The insignificance of "other income" in equation (1b), as contrasted to (3b), would indicate

that total portfolio rates of return are likely to be controlled through adjustments in asset holdings other than holdings of closely held business. A simpler explanation is that the measure of capital income, or the distinction between wage and capital income, is especially poor for closely held business assets.

Equation (4d) is similar to equation (3b), except that wage income is included in the income from the assets and there is no "other income" since all income is included in the rate of return variable. In equation (4d), a decline in realized rate of return is indicated as asset value increases. Since this equation allows for various portfolio adjustments, the significance of the asset value variable lends support to the hypothesis that top wealthholders lower their realized rates of return not only through portfolio adjustments, but also by simply realizing less of their income for tax purposes.

In terms of portfolio variables, equation (4d) also indicates a significant decline in rate of return as the proportion of the estate in noncorporate, closely held business increases. Even after adjusting for the proportion of assets held closely, owners of real estate have a much lower rate of return relative to owners of other business. Contrasting this equation to equation (3b)—in which the ownership of real estate is not significantly related to the rate of return on capital--would indicate that owners of real estate businesses pay themselves a lower wage rate (relative to value of capital) than owners of other businesses, while realizing about the same rate of capital income. Again, this does not imply a lower economic rate of return to owners of real estate, since owners of land and buildings may have substantial unrecognized income through appreciation in the value of assets.

Equations (4b) and (4c) are presented primarily to show the effect of variables reflecting farm or real estate (as opposed to other business) ownership separately from the effect of portfolio allocations into noncorporate, closely held assets and corporate assets (both closely and nonclosely held). Note that farm owners tend to realize less than owners of other business in equation (4b), but that this difference seems to be explained in equation (4d) by the allocation of the portfolio among closely held and nonclosely held assets, i.e., farmers realize -lower rates of return on their total portfolio by holding a greater percentage of their assets in the closely held form.

SUMMARY

The realized rate of return on all assets for owners of closely held businesses and farms is quite low. The rate tends to decline both as wealth increases and as the percentage of wealth in noncorporate, closely held form increases. Dividend rates for closely held corporate stock are lower than rates for other corporate stock and often are zero. Counting both wages and other income, the realized rates of return for owners of real estate business are lower than those of other businesses. Farmers also tend to realize lower rates on their total assets than other business owners, but the difference tends to be reflected in a greater percentage of assets held in closely held form.

Although this source of data provides new and important information on the relationship between income and wealth, it does not allow determination of whether the decline in realized rates of return as wealth increases implies a similar decline in economic

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rates of return. Three factors, however, arque against such a result. First, the assets held by top wealthholders tend to be more risky; other sources of data have tended to confirm higher rates of return for riskier assets. Second, persons who accumulate wealth are likely to have achieved such accumulation through successful investment in assets with relatively high rates of return. Finally, even after adjusting for portfolio changes, rates of realization were still found to decline significantly as wealth increased. My conclusion is that tax effects do cause portfolio shifts and do lower the economic rate of return on risky, but tax-preferred, assets relative to other However, this economic rate of return is still likely to be higher for the risky assets held by top wealthholders than for other assets. Moreover, there remains a realization effect: that is, for many tax pre-preferred assets, the rate of realization of income is somewhat discretionary in nature, and it declines as wealth increases.

These low realized rates of return call into serious question the use of realized income from capital as part of any measure of well-being or ability-to-pay. For owners of capital, economic income may have little relationship to realized income, and rates of realization may vary according to the assets they hold. Tax and expenditure programs based upon realized income can produce inequitable results and may lead individuals to allocate their investments inefficiently.

SUPPLEMENTAL INFORMATION ON SOURCES OF DATA

Each income tax return contained items of income such as wages, interest, dividends, farm income, rental income, partnership income, and business income. Each estate tax return identified value of gross estate, real estate, corporate stock, farm and non-corporate business assets, and value of closely held business. This last item was required of taxpayers to determine eligibility to file for the extension of time to pay the estate tax. By turning to worksheets and schedules attached to the returns, it was possible to differentiate wages from closely held business, dividends from closely held stock, and value of corporate stock in closely held business. In addition, the value of own home was separated from value of all other real estate. In most cases, the value of own home could be found in the documents attached to the estate tax return. However, in some cases--particularly where there was a farm--the presence of a home was indicated but the value of the house was not separated from the reported value of the farm or real estate. To impute a value of own home in these cases, two regression analyses were run. In the first regression, the sample consisted of all farms or ranches where value of own home was known. In the second regression, the sample consisted of all nonfarm estates where the value of own home was regressed against size of gross estate. These regressions were then used to impute the value of own home to those estates where a home was likely to be present, but where a value was not reported. The value of real estate in closely held business and the total value of closely held business assets where then adjusted by the value of own home.

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- [8] Income equals adjusted gross income as reported on tax returns. Except for a few items of exclusion, generally small in nature, adjusted gross income equals gross income.
- [9] The economic rate of return discussed here is before individual taxes, but after corporate taxes. The before-corporate tax economic rate of return on noncorporate assets is generally believed to be lower than the rate obtainable on corporate investment.
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Table 1. - Realized Rates of Return^t (percent)

Type of asset	Gross estate class							
	\$60,000-\$362,000 \$		\$362,000-\$840,000		\$840,000 or more		All classes	
Closely held	2.22 (2.45)		1.78 (3.78		0.47 (4.69)		1.15 (3.56)	
Corporate stock - total	0.81 (2.03)	0.21 (0.22)	2.18 (4.09)	2.26 (3.00)	1.24 (1.94)	0.93 (0.85)	1.30 (2.66)	0.96 (1.08)
b. Non-closely held	i	4.14 (5.22)		2.10 (3.87)		2.27 (2.95)		2.32 (3.79)
All assetscapital income only	3.24 (3.38)		3.33 (3.39)		1.29 (1.82)		1.88 (2.86)	
All assetscapital + wage income	6.57 (6.33)	; . [*]	4.67 (4.73)		2.99 (3.89)		3.66 (4.98)	,

Top numbers: Weighted average rates of return (or $\frac{n}{n}$ income/ $\frac{n}{n}$ value of assets).

Bottom numbers, in parentheses: Unweighted average rates of return (or $\frac{n}{n}$ (income/assets) / n). Size of sample (by row, respectively): 1. (28,35,21,84)

2. (19,25,33,77)

2a. (13,9,27,49)

2b. (13,23,24,60)

4. (39,39,39,117)

Table 2. — Regressions for Realized Rates of Return^t

Regression number	(la) (lb)	(2a) (2b)	(3a) (3b)	(4a) (4b)	(4c) (4d)
Dependent variables	Rate of return on closley held business (non-corporate)	Rate of return on corporate stock	Rate of return on all assets capital income	Rate of on all ass capital + wa	ets
Independent variables Constant Value of underlying	5.40** 2.47 (1.52) (2.79)	3.27** 5.19** (.94) (1.67)	3.67** 5.93** (.56) (1.72)	6.06** 7.25** (.75) (.72)	12.71** 9.89** (2.76) (1.95)
assets (in millions of dollars)	-3.95* -1.80 (2.15) (2.63)	-1.0123 (.86) (1.11)	88** .02 (.41) (.35)	-1.18**63* (.55) (.38)	-2.05**76** (.52) (.38)
Value of other assets (in millions of dollars)	11.03** (3.01)	40) (1.63)		*	,
Other income (in millions of dollars)	-38.72 (64.00)	5.51 (21.32)	-33.79* (17.07)	· · · · · · · · · · · · · · · · · · ·	
Farm	(2,95) -4.01 (3,43)		.78 (.97) -1.06 (1.00)	(2.86** (.87) -3.57** (1.02)	(1.10) -2.68**
Percentage of corporate stock held closely	(3.43)	-4.61** (2.18)	(1.00)	(1102)	(21-20)
Percentage of assets in non-corporate, closely held form			-3.73* (2.01)		-9.79** -5.39** (3.21) (2.32)
Percentage of assets in stock of closely held corporations			-3.45 (2.36)		-2.93 -3.34 (3.86) (2.71)
Percentage of assets in stock of non-closely held corporations			-3.15 (3.23)		-3.43 .84 (5.30) (3.73)
Size of sample	84 71 .040398	77 77 .018 .081	117 100 .039 .137	117 100 .039 .159	117 100 .253 .238

Standard errors are shown in parentheses.

Significant at the .01 level.

Significant at the .05 level.

WEALTH, REALIZED INCOME, AND THE MEASURE OF WELL-BEING

by C. Eugene Steuerle, Ph.D

4.1 Introduction

All modern societies attempt to measure wellbeing of their people for both policy and research purposes. Government must explicitly define wellbeing for purposes of designing tax and welfare policies, while researchers must explicitly choose classifications by which to compare data and perform statistical analyses.

Measures of well-being involve a contrast of means with needs. This chapter falls within that set of studies that deal with the measurement of means (Steuerle and McClung 1977; Smeeding 1982; David and Smeeding 1985). Changing the measure of means does not necessarily imply that households are better or worse off, nor that the government should collect less or spend more for any particular type of program. Given any standard of needs, however, it will be possible to assert that the distribution of means, and therefore of well-being, changes significantly as the measurement of means is changed.

Attention will be directed toward the measure of well-being used most widely today-realized income-and its relationship to wealth and economic income. Using a unique national sample of income tax returns matched with estate tax returns, this chapter will compare the realized property income of individuals with the associated amount of wealth that generates that income.

The purpose of this study is twofold. First, with respect to wealth holders, realized income (with emphasis on the word <u>realized</u>) is demonstrated to be an extremely poor measure of well-being. As a consequence, substantial inequity is introduced into tax and welfare programs. If the goal of these programs is to measure real economic

income, that purpose may be better served by first obtaining measures of property or wealth than realized income. Second, in reporting the initial findings of the first national estate-income collation, this chapter shows the promise of this approach to research on the relationship between wealth and income. Whatever the problems, and they are not few, this estate-income collation may provide the best national data ever assembled for studying the wealth-income relationship for persons with significant amounts of wealth.

4.1.1 Source of Data

This study uses a collation of estate tax returns, income tax returns of decedents in years before death, and income tax returns of heirs in years both prior to and following the death of the persons granting the bequests. The estate tax returns were filed in 1977 (for deaths generally in 1976 or 1977), while income tax returns were collected for years 1974 through 1980. Each estate in the sample had a gross estate of

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\$60,000 or more (\$120,000 or more for decedents dying in 1977). The collation sample was a one-in-ten sub-sample of the sample of over 41,0000 estate tax returns used for purposes of the Statistics of Income-Estate Tax Returns (U.S. Department of the Treasury, Internal Revenue Service 1979) and for related wealth studies (Schwartz 1983).

While the collation sample began with 4,143 estate tax returns, in many cases there was an absence of accurate reporting of bequests made, and many income tax returns could not be found or were not filed for both decedents and heirs. For purposes of this study, therefore, two subsamples were used: decedents with income tax returns in the year prior to death (sample size, 2,924); and nonspousal heirs for whom a bequest of \$50,000 or more could be determined, while income tax returns were filed in a year prior to and a year following receipt of inheritance (sample size, 1,451).

The match of a decedent's estate tax return with the previous year's income tax return allowed a direct comparison of the realized or reported income from capital with the value of capital that produced that income. Similarly, the match of a bequest amount with income tax returns of an heir in years both prior to and after receiving the inheritance allowed comparison of the change in realized or reported income with a change in wealth.

Both types of comparisons suffer from the inexact match of income with wealth. Under ideal conditions, one would want to compare income on an instantaneous flow basis with the stock of wealth at a given point in time. The estate-income collation falls short of that ideal in two respects. First, only annual flows of income are reported. Second, accounting for wealth takes place in a period different from that in which income is measured. Because partial-year returns are often filed on behalf of decedents in year of death, obtaining an annual measure of income requires the use of an income tax return in a year prior to death. In measuring change in income for heirs, on the other hand, it was necessary to allow a sufficient time

to elapse so that income from inheritances would be reflected in the income tax returns rather than returns of estates. For both decedents and heirs, therefore, the comparison of income with wealth is inexact to the extent that any wealth transfer (not reported on estate tax returns), consumption out of wealth, or wealth accumulation out of income took place between the points in time at which measurements were made. Those problems are believed to be minor for the vast majority of returns, although important in a small number of cases.

For tax accounting reasons, a net upward bias exists in the measure of realized rates of return. Valuations for estate tax purposes are typically low for reported assets, especially businesses, farms, houses, and other illiquid or infrequently traded assets. Estimates must be reasonable, but there is a strong incentive to provide the lowest among available estimates. In addition, much wealth from life insurance and pensions does not pass through estates, so estimates of value of estates and inheritances are understated. Observations are also excluded from each subsample when income tax returns of decedents or heirs could not be found; in some of these cases, the decedent or heir did not file a return because of low amounts of realized income.1

Finally, the collation file has not yet been merged to obtain estate tax weights; therefore, the reported data are unweighted. Fortunately, estate tax filers were sampled according to size of gross estate. Weighted results in each wealth or similar class therefore would differ little from unweighted results, and most issues of within- or between-class differences can be addressed either way.

While these problems mean that the data must be interpreted with caution, the estate-income match still offers the possibility of vast improvements in our understanding of the wealth-income relationship for persons with significant wealth holdings. An analogy might be provided by the improvement in our understanding of the wealth distribution first obtained through the efforts of Lampman (1962) and Smith and Franklin (1974). Both then and

now, the advantage of using administrative data stems in part from the considerable underreporting of wealth and income from property in survey data, even surveys dedicated to the measurement of such items. The evidence is fairly conclusive: even though there is some bias to underreport for tax purposes, population estimates of income from property or of wealth are much higher when using tax return data than survey data. As will be seen, the variation in realized rates of return is so great across taxpayers that our qualitative conclusions with respect to horizontal equity would hold even in the presence of significant bias and limitations of data.

4.2 Why Realized Income is Used as a Measure of Well-Being

The most common measure of well-being used for both statistical and policy purposes is realized income. Realized income is used to define income tax burdens, eligibility for various tax expenditures such as deductions for cost of health care and property tax relief, amount of assistance in various welfare programs, and distributions of income by class in many, if not most, census and survey analyses. The reason for this dominance is partly the result of historical circumstances. Originally, both in England and America, ability to pay was measured by property ownership (Musgrave 1959). In modern times, however, income has come to dominate other measures such as property as the prime measure of ability to pay and eligibility to receive. A major explanation for this shift is the increasing importance of wage income to most households' well-being. When labor income for most households was thought to equal only subsistence income, was derived in the form of self-employment income, or was paid in the form of in-kind benefits such as crop sharing, it was largely treated as both nontaxable and nonmeasurable.

With the development of the modern firm and the rise of the middle class, the problems of nontax-ability and nonmeasurability dwindled enormously. Wage income now was large, varied markedly from one individual to the next, and could no

longer be treated merely as subsistence income. In addition, there was a significant improvement in the availability and accuracy of measures of income because wage payments were entered in two different sets of accounts: those of employers and employees. Increasingly, therefore, the measure of ability to pay or eligibility to receive has come to be defined as wage-plus-property income. This measure of means is often compared to a measure of needs such as a subsistence level of income, with income taxes being imposed principally above that level, and income-conditioned grants or subsidies targeted mainly below that level.

Property is still used today to measure well-being for certain purposes, and debates do take place over such issues as assets tests in welfare programs and methods of valuation for wealth subject to property tax and estate tax. Income has become the dominant measure of well-being for most tax and welfare purposes, nonetheless, and property-related issues have declined in relative importance. Moreover, since wage income is a major source of total income, the accuracy of the measure of wage income has tended to make income itself appear to be accurately reported or measured, at least in aggregate terms.

In recent years, there also has been increasing emphasis on providing incentives for investment and savings, perhaps even replacing an income tax with a consumption tax. This new emphasis has had an impact upon attempts to reflect more accurately property income or other current measures of wealth in on an income or consumption basis, is viewed by some as an insignificant issue. Although theoretically one can argue that improvement in the measure of property or property income need have no impact on marginal tax rates paid on returns to capital, it is sometimes feared that improvements in the measure of property income will not result simply in a more uniform treatment of such income, but also in an increase in the taxes paid on returns to capital. As one example, the accelerated cost recovery system (ACRS) was designed with little concern over the actual rates of depreciation of assets. The word

depreciation was deliberately omitted in 1981 tax changes in favor of the term cost recovery to make clear that the accurate measure of income was no longer a policy goal. We will return in section 4.5 to the question of whether it is possible to move closer to the goal of horizontal equity regardless of the choice between consumption and income taxes.

4.2.1 The Realization Base

In one sense the switch to income as a measure of well-being was as much a result of, as a cause of, prevalent accounting practices. Accounting practices were also extremely influential in determining that the measure of income to be used for most policy, as well as statistical purposes, would be based primarily upon realizations. Accounting for income, with a number of exceptions, has been associated with the realized payment and receipt of cash. The exceptions apply primarily at the business level, where accrual accounting is applied to such items as inventories and accounts receivable, and investment in plant, equipment, and buildings is treated differently from other expenses.² At the household level, however, measures of income for tax, welfare, and other purposes have tended to be recognized only when they show up in the form of cash. (This cash flow logic by the way, also helps explain the reluctance to count payments of inkind benefits in the measure of income.)

It is well known that measuring income only when it shows up as household cash flow falls short in several respects of a Haig-Simons definition of economic income. The measure ignores implicit flows of services from housing and durables, accruals (less realizations) of gains and losses on assets, and often accruals of rights and services provided through insurance and pension plans. In addition, in an inflationary environment, a cashflow-based measure tends to reflect nominal returns from assets, not real returns. Real payments and receipts of interest, for instance, are overstated by the inflationary component of the interest rate. Traditional measures of income of households are distorted, therefore, by nonrealiza-

tions of service flows, gains on assets, and accruals of benefits in certain institutional accounts, as well as by the failure to make proper adjustments for inflation.

In 1979 the income from over 80 percent of assets was found to benefit from one tax preference or another. Most of these preferences were a direct result of the tendency to recognize property income only when it showed up in the form of cash flow. As a result, only about 30 percent of the net real returns from capital were found to be reported on individual tax returns (Steuerle 1983c). These findings help support the view that at the individual level, the recognition of income from capital is in many ways a voluntary event for both tax and other purposes.

The voluntariness of the tax is actually a function of consumption needs (relative to income), risk, and knowledge. Put another way, the individual tax (and loss of benefits or implicit tax in welfare systems) on capital income is in part a tax on liquidity, risk reduction and diversification, simplicity, and ignorance. More than half of all interest and dividend receipts reported on individual tax returns are reported by taxpayers aged sixty-five and over. The elderly realize a greater percentage of their income than other wealth holders, although as a group they do not appear to draw down their wealth (Menchik and David 1983). Persons recognizing income from property are often in need of current receipts or liquid assets to cover consumption needs in the near future. For the person anticipating that savings may be needed soon, risk can also be reduced substantially by increasing the percentage of interest-bearing assets and by reducing the percentage of other assets in the portfolio. Those who realize capital gains or interest income also have greater opportunity for diversification relative to those who hold onto unrealized gains.

For many taxpayers, however, the tax is hardly paid after elaborate calculations of some optimally designed portfolio that achieves the maximumexpected after-tax rate of return. For these taxpayers, and to some extent for all taxpayers, the tax is merely a tax on simplicity and ignorance.

It is not hard to find examples. Many persons fail to achieve tax savings obtainable by switching to assets of equal yield and equal risk, but with greater tax preference. Employer contributions to pensions can substitute for employee contributions; annuities with withdrawal rights can replace savings accounts; direct shareownership can replace ownership of mutual funds that recognize capital gains frequently, and so forth. Ownership can also be transferred among family members, a practice used less frequently than possible both by taxpayers and certain welfare (principally elderly Medicaid) recipients. The persons paying the additional direct or implicit taxes may find their time too valuable to search out alternative mechanisms for achieving tax savings and government they may find it distasteful to play socially unproductive games; or they may simply be ignorant of the laws.3

The voluntary nature of capital income realization does not imply that the total tax paid on returns from capital is too high or too low, nor that total welfare payments should be larger or smaller. Such issues are not addressed here and, to be treated properly, would require consideration of measures of needs, as well as the ways in which the various tax and welfare systems combine or stack on top of each other. What the voluntary nature of capital income recognition will imply, however, is that the taxes paid and benefits received will vary tremendously among persons in fairly identical circumstances, and that income classifiers in statistical analyses will be inaccurate for many purposes.

4.3 A Comparison of realized Income and Wealth

Aggregate data on income recognition lends support to the notion that substantial horizontal inequity is created when tax and welfare systems base the measure of well-being in part on recognized property income. To reinforce this view, we now turn to microdata on households.

Our first comparison of wealth and income is

between wealth in estates of decedents and their reported income in the year prior to death. Table 4.1 summarizes the sources of income and wealth for this sample. As is immediately apparent, by far the most important sources of recognized capital income are dividends and interest. Realized rates of return on farms and business assets are especially low, especially when it is noted that reported farm and business income represents returns to labor as well as capital.⁴

Table 4.2 narrows our focus to a comparison of gross capital income subject to tax (GCIST) and wealth. The realized rate of return declines significantly as wealth increases, reaching a low of 2.2 percent for decedents with assets of 2.5 million or more. What is equally interesting is the large variation in realized rates of return in every wealth class. At least 5 percent of each wealth class reported zero or negative returns from capital, while at least 23 percent of each class report rates of return between 0 and 3 percent.

Rates of return of 10 percent or more are reported by 30 percent of the lowest-wealth class, with the proportion dropping to 4 percent of those with assets of \$2.5 million or more. A separate analysis (not shown in the tables) was made on persons reporting unusually high rates of return. Capital gains were only a minor factor in explaining these rates; dividend and interest income, on the other hand, were implausibly high relative to total assets. Problems of accounting period differences or estate tax valuation are probably most significant for this group. That is, either many of these persons underreport wealth, or they transfer or consume wealth between accounting periods.

In table 4.3 we turn to a sample of beneficiaries other than surviving spouses, and compare the change in reported capital income between 1975 and 1978 to the amount of inheritance received in 1976 or 1977. Table 4.3 does not show any strong relationship between amount of inheritance and realized rate of return, but it does show striking differences within inheritance classes. In each class (except one class with a sample size of three), between 17 percent and 32 percent of all

Table 4.1 All Decedents: Average Income and Wealth by Source

		Item as a Percentage	of	
-	Averge			
•	Amount	Net Income	Net	
Income by Source	of Item	Subject to Tax	Worth	
Salaries and wages	\$8,496	25.51	1.63	
Dividends	10,425	31.30	2.00	
Interest	6,951	20.87	1.33	
Business (nonfarm)	1,460	4.38	0.28	
Farm	-122	-0.37	-0.02	
Partnership ·	644	1.93	0.12	
Small business corporations	44	0.13	0.01	
Capital gain distributions	.11	0.03	- .	
Net capital gain	2,725	8.18	0.52	
Supplemental gain	22	0.07	_	
Pensions and annuities	1,220	3.66	0.23	
Rents	1,751	5.26	0.34	
Royalties	771	2.32	0.15	
Estate and trusts	879	2.64	0.17	
Alimony	34	0.10	0.01	
Other	-744	-2.23	-0.14	
Gross income subject to tax	34,339	103.10	6.59	
Less: Interest deductions	1032	3.10	0.20	
Net income subject to tax	33,308	100.00	6.39	
Plus: State income tax returns	51	0.15	0.01	
Less: Exemptions	2,196	6.59	0.42	
Other deductions	9,224	27.69	1.77	
Adjustments	227	0.68	0.04	
Taxable income	22,970	68.96	4.41	

Wealth by Source	Average Amount of Item	Item as a Percentage of - Total Wealth
Corporate stock	\$228,813	40.7
Real estate	125,337	22.3
Cash, bonds, notes and mortgages	153,925	27.4
Noncorporate business assets	15,371	2.7
Other assets	39,185	7.0
Total wealth (total estate)	562,632	100.0
Less: Debts	41,208	7.3
Net worth (economic estate)	521,424	

NOTE: Measures of income are from decedent's individual income tax return filed for year prior to death. Measures of wealth are from decedent's estate tax return.

Table 4.2 All Decedents: Gross Capital Income Subject to Tax as a Percentage of Wealth (amounts in thousands of dollars)

Gross Capital Income Subject to Tax as a Percentage of Wealth

					Zero o	Negative	
Size of Wealth	Total Number	Average Wealth	Average Gross Capital Income	Gross Capital Income as a Percentage of Wealth	Number	Wealth	Gross Capital Income
Under \$100,000	519	72	9	12.4	41	3,269	-43
\$100,000 under \$250,000	980	164	10	6.1	66	10,460	-140
\$250,000 under \$500,000	445	344	20	5.9	22	7,597	-139
\$500,000 under \$1,000,000	668	675	34	5.1	39	25,608	-775
\$1,000,000 under \$2,500,000	255	1,458	70	4.8	18	25,638	-144
\$2,500,000 or more	57	8,272	183	2.2	9	48,197	-578
All decedents	2,924	563	26	4.5	195	120,770	-2,116

\$100,000 under \$250,000 \$250,000 under \$500,000 \$500,000 under \$1,000,000	Under 3 Percent			3 Percent under 5 Percent		
	Number	Wealth	Gross Capital Income	Number	Wealth	Gross Capital Income
Under \$100,000	120	9,620	140	99	7,930	315
\$100,000 under \$250,000	263	42,429	547	235	39,291	1,541
\$250,000 under \$500,000	102	35,261	532	109	37,055	1,487
\$500,000 under \$1,000,000	168	114,206	1,273	204	139,757	5,692
\$1,000,000 under \$2,500,000	75	110,868	1,656	93	134,038	5,337
\$2,500,000 or more	23	314,916	1,211	14	71,788	2,591
All decedents	751	627,302	5,361	754	429,860	16,964

	5 Percer	nt under 7 Pe	rcent	7 Percent under		
Size of Wealth	Number	Wealth	Gross Capital Income	Number	Wealth	Gross Capital Income
Under \$100,000	57	4,340	260	48	3,850	331
\$100,000 under \$250,000	161	27,583	1,623	98	15,943	1,360
\$250,000 under \$500,000	92	31,282	1,808	54	18,931	1,576
\$500,000 under \$1,000,000	119	78,818	4,628	70	47,243	3,852
\$1,000,000 under \$2,500,000	29	41,848	2,436	22	32,441	2,618
\$2,500,000 or more	7	24,838	1,462	2	6,128	507
All decedents	465	208,707	12,216	294	124,534	10,244

	10 Per	cent under 1	5 Percent	15 Percent or		
Size of Wealth	Number	Wealth	Gross Capital Income	Number	Wealth	Gross Capital Income
Under \$100,000	42	2,968	358	112	5,192	3,237
\$100,000 under \$250,000	81	13,338	1,579	76	11,969	3,232
\$250,000 under \$500,000	40	14,490	1,716	26	8,398	1,916
\$500,000 under \$1,000,000	39	25,314	3,059	29	19,720	4,627
\$1,000,000 under \$2,500,000	11	17,137	1,925	7	9,790	3,999
\$2,500,000 or more	_	_	_	2	5,645	1,751
All decedents	213	73,247	8,636	252	60,716	18,761

Table 4.3 Change in Gross Capital Income Subject to Tax as a Percentage of Inheritance Received (Amounts in dollars)

		Gross Capital Income Subjecto Tax	. , t	Change in Income		Income Change as
Size of inheritance	Number of Beneficiaries	1975	1978	1975-78	Inheritance Received	a percentage of Inheritance
Under \$100,000	751	7,427,011	10,161,407	2,734,396	52,935,141	5,17
\$100,000 under \$250,000	521	7,693,609	11,823,199	4,129,590	80,309,871	5.14
\$250,000 under \$500,000	134	1,615,962	5,603,513	3,987,551	45,671,922	8.73
\$500,000 under \$1,000,000	42	1,506,610	2,874,181	1,367,571	28,563,514	4.79
\$1,000,000 under \$2.500,000	3	318,062	823,375	505,313	3,603,179	14.02
\$2,500,000 or more	_			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·	_
Total	1451	18,561,254	31,285,675	12,724,421	211,083,627	6.03

Size of Inheritance	Zero	or Negative		Under 5 Percent		
	Number of Beneficiaries	Change in Income	Inheritance Received	Number of Beneficiaries	Change in Income	Inheritance Received
Under \$100,000	242	(2,854,798)	16,997,682	148	294,188	10,248,779
\$100,000 under \$250,000	157	(2,079,446)	23,213,559	122	573,490	19,487,771
\$250,000 under \$500,000	31	(371,890)	10,784,633	44	434,550	14,924,315
\$500,000 under \$1,000,000	. 7	(43,158)	5,002,242	21	363,306	14,293,016
\$1,000,000 under \$2.500,000	_	` <u>-</u>	· · · · · · · · · · · ·	· -	´ –	_
\$2,500,000 or more	_	_	_	· -	_	·.—
Total	437	(5.349.292)	55,998,116	335	1,665,534	58,953,881

	5 Percent under 10 Percent				10 Percent under 15 Percent		
Size of Inheritance		Number of Beneficiaries	Change in Income	Inheritance Received	Number of Change in Beneficiaries Income	Inheritance Received	
	٠.		1		Table 5		
Under \$100;000		139	-759,489-	10,184,132	75 659,587	5,436,714	
\$100,000 under \$250,000		110	1,314,997	17,805,773	56 1,050,233	8,529,982	
\$250,000 under \$500,000	,	34	801,092	11,374,375	10 378,947	3,435,351	
\$500,000 under \$1,000,000		8	364,623	5,392,852	3 211,936	1,879,189	
\$1,000,000 under \$2,500,000		2	152,494	2,465,985		_	
\$2,500,000 or more			· -	· · · -		_	
Total	+ 1 •	293	3,392,695	47,223,117	144 2,300,703	19,281,236	

, :	<u> </u>	15 Percent under 20 Percent			20 Percent under 30 Percent		
Size of Inheritance	· · ·	Number of Beneficiaries	Change in	Inheritance Received	Number of Beneficiaries		Inheritance Received
Under \$100,000	٠.	34	405,801	2,355,276	43	755,138	3,085,816
\$100,000 under \$250,000	. *	34	908,818	5,262,143	18	630,784	2,618,485
\$250,000 under \$500,000		6	317,876	1,821,144	3	223,257	1,022,271
\$500,000 under \$1,000,000		· -	· -	· · · · -	3	314,545	1,468,956
\$1,000,000 under \$2.500,000		_	_	_	_	_	_
\$2,500,000 or more		, -		_	_	_	_
Total		74	1,632,495	9,438,563	67	1,923,724	8,195,528

Table 4.3 (continued)

Change in Gross Capitol Incone Subject to Tax as a Percentage of Inheritance (continued)

	30 Percent or More							
Size of Inheritance	Number of Beneficiaries	Change in Income	Inheritance Received					
Under \$100,000	70	2,714,991	4,626,742					
\$100,000 under \$250,000	24	1,730,714	3,392,158					
\$250,000 under \$500,000	6	2,203,719	2,309,833					
\$500,000 under \$1,000,000 } \$1,000,000 under \$2.500,000 }	. · · · · 2	509138	1654453					
\$2,500,000 or more	_	_	_					
Total	102	7,158,562	11,983,186					

NOTE: Table includes beneficiaries other than surviving spouses.

Table 4.4 Average Net Capital Income Subject to Tax, 1975 and 1978

	All Individua Income Tax		Beneficiaries Other Than Surviving Spouses		
Item	1975	1978	1975	1978	
Dividends	266	336	3,807	7,344	
Interest	528	682	2,427	4,810	
Business	679	829	2,627	3,767	
Capital and other gains	185	273	1,748	2,493	
Rents and royalties	63	64	1,566	1,587	
Estates and trusts	31	34	617	1,560 :	
Gross capital income subject to tax	1,752	2,218	12,792	21,561	
Less: Interest deductions	473	676	1,675	2,357	
Net capital income subject to tax	1,279	1,542	11,117	19,205	

SOURCES: For all returns, Statistics of Income, Individual Income Tax Returns for 1975 and 1978. For beneficiaries, all indentifiable beneficiaries (included in the subject study) who received benefits of \$50,000 or more and who filed income tax returns for both 1975 and 1978.

Table 4.5 Change in Gross Capital Income Subject to Tax as a Percentage of Inheritance Received by Size of Gross Capital Income Subject to Tax (amounts in dollars)

				•	Change in Gr to Tax as a Pe	oss Capital Indercentage of In	•
		•		Income Change as a	Zero	or Negative	
	Number of Beneficiaries	Change in Income 1975-78	Inheritance Received	Percentage of Inheritance	Number of Beneficiaries	Change in income	Inheritance
Zero or negative	200	3,564,235	25,426,276	14.02	79	-316980	8,468,557
\$1 under \$2,500	473	2,716,533	56,089,179	4.84	132	-271430	15,089,443
\$2,500 under \$5,000	157	1,393,149	21,812,321	6.39	32	-138315	4,426,021
\$5,000 under \$7,500	99	1,470,276	16,256,501	9.04	17	-13640	1,883,314
\$7,500 under \$10,000	72	593,570	9,403,363	6.31	17	-74386	1,776,119
\$10,000 under \$15,000	100	955,851	14,614,693	6.54	26	-279450	3,622,226
\$15,000 under \$20,000	71	687,683	12,707,604	5.41	18 -	-246667	3,157,892
\$20,000 under \$30,000	88	606,954	16,417,317	3.70	33	-610026	5,549,910
\$30,000 under \$50,000	78	74,003	12,597,643	0.59	35	-752210	4,469,510
\$50,000 under \$100,000	76	740,300	14,293,421	5.18	30	-1086604	3,856,196
\$100,000 or more	37	-78,133	11,465,309	-0.68	18	-1559584	3,968,928
Total	1,451	12,724,421	211,083,627	6.03	437	-5,349,292	56,268,116

Change in Gross Capital Income Subject to Tax as a Percentage of Inheritance (continued)

	Ur	nder 5 Percent	<u> </u>	5 Perce	nt under 10 Po	ercent	
Size of Gross Capital Income Subject to Tax in 1975	Number of Beneficiaries	Change in Income	Inheritance	Number of Beneficiaries	Change in Income	Inheritance	· .
Zero or negative	33	208,051	6,138,233	24	226,315	3,204,985	•
\$1 under \$2,500	150	537,712	19,387,097	113	939,439	13,784,498	
\$2,500 under \$5,000	48	217,505	7,286,223	41	395,684	5,383,093	
\$5,000 under \$7,500	27	150,513	5,308,098	30	432,486	6,122,792	· Little Market
\$7,500 under \$10,000	17	81,559	2,987,902	.13	140,136	1,181,693	
\$10,000 under \$15,000	19	116,850	4,030,581	21	215,045	2,975,436	
\$15,000 under \$20,000	13	119,522	3,880,828	15	247,900	3,342,123	
\$20,000 under \$30,000	13	127,667	4,995,503	11	139,487	1,676,855	
\$30,000 under \$50,000	9	40,151	2,309,102	13	267,703	3,577,919	
\$50,000 under \$100,000	3:	24,356	826,337	12	388,500	5,273,723	
\$100,000 or more	3	41,637	1,803,977			_	
Total	335	1,665,523	58,953,881	293	3,392,695	46,523,117	

Change in Gross Capital Income Subject to Tax as a Percentage of Inheritance (continued)

	10 Perce	nt under 15 Pe	rcent	15 Perce			
Size of Gross Capital Income Subject to Tax in 1975	Number of Beneficiaries	Change in Income	Inheritance	Number of Beneficiaries	Change in Income	Inheritance	
Zero or negative	19	204,710	1,687,495	17	379,479	5,173,664	
\$1 under \$2,500	37	481,917	3,993,123	14	264,787	1,537,155	
\$2,500 under \$5,000	18	351,585	3,107,855	. 4	96,429	581,104	
\$5,000 under \$7,500	11	143,625	1,196,516	6	101,321	569,838	
\$7,500 under \$10,000	11	226,457	1,757,583	8	100,420	579,802	5
\$10,000 under \$15,000	12	157,298	1,378,723	5	113,922	641,633	
\$15,000 under \$20,000	7	82,745	726,400	5	107,443	571,237	
\$20,000 under \$30,000	12	247,563	2,036,655	5	147,587	899.864	
\$30,000 under \$50,000	5	82,683	689,505	5	122,043	736,769	
\$50,000 under \$100,000	. 7	184,108	1,541,160	5	199,064	1,147,497	
\$100,000 or more	5	138,012	1,166,221	_	_	_	
Total	·· 144	2,300,703	19,281,236	· 74	1,632,495	12,438,563	

Table 4.5 (continued)

Change in Gross Capital Income Subject to Tax as a Percentage of Inheritance (continued)

	20 Perce	nt under 30 Pe	ercent	20 Percent or More			
Size of Gross Capital Income Subject to Tax in 1975	Number of Beneficiaries	Change in Income	Inheritance	Number of Beneficiaries	Change in Income	Inheritance	
Zero or negative	10	218,827	933,155	18	2,643,833	2,820,187	
\$1 under \$2,500	14	295,789	1,250,384	13	468,319	1,047,479	
\$2,500 under \$5,000	5	122,746	478,890	9	347,515	729,135	
\$5,000 under \$7,500	2	45,482	186,458	6	610,489	989,485	
\$7,500 under \$10,000	4	76,600	308,113	2	42,784	112,151	
\$10,000 under \$15,000	8	277,136	1,235,791	9	355,050	730,303	
\$15,000 under \$20,000	4	83,809	304,938	9	292,920	724,186	
\$20,000 under \$30,000	7	195,190	836,729	7	359,486	511,801	
\$30,000 under \$50,000	3	80,009	293,482	8	233,624	521,356	
\$50,000 under \$100,000	7	213,591	898,632	14	907,080	1,654,220	
\$100,000 or more	2	314,545	1,478,956	7	897,462	2,142,873	
Total	66	1,923,724	8,205,528	102	7,158,562	11,983,176	

NOTE: Table includes beneficiaries other than surviving spouses.

inheritors actually show a negative or zero change in gross capital income subject to tax. On the other hand, about 12 percent of those with inheritances under \$250,000 and 7 percent of those with inheritances over \$250,000 show a change in capital income that was equal to 20 percent or more of the recorded change in wealth.

Since reported capital income would normally increase over time regardless of inheritances, the number of inheritors reporting low or negative amounts of change becomes even more striking. Between 1975 and 1978, the average individual income tax return showed an increase of about 27 percent (from \$1,752 to \$2,218) in reported capital income, as contrasted with a 69 percent increase (from \$12,792 to \$21,562) for our sample (see table 4.4). If the change in interest rates, dividends rates, and growth in wealth in the economy were to have approximately equal effect on realized returns for both groups, capital income of inheritors also would have grown by 27 percent in absence of the inheritances. Thirty-nine percent (27 percent/69 percent) of the increase in reported capital income would then be attributable to factors other than the inheritances themselves.

Although table 4.3 shows little difference in realized rates of return across inheritors by size of

inheritance, table 4.5 provides some explanation. The ratio of the change in income to change in wealth is shown to decline significantly with an increase in the amount of capital income reported prior to the receipt of the inheritance. That is, beneficiaries with substantial amounts of realized income from wealth prior to the receipt of their inheritances were much quicker to convert their inheritances into assets for which the rate of income recognition would be low. Three consis tent explanations can be offered for such behavior: (1) those with more capital income in 1975 faced higher marginal tax rates and therefore had more of an incentive to convert or hold their inheritances in the form of preferred assets; (2) those with greater amounts of capital income were more likely to be savers and accumulators and, in any case, would be less likely to need the income from their inheritances for near-term consumption purposes; (3) many of those owning substantial amounts of capital would already be engaged in tax-induced portfolio shifting and have access to investment advice, whereas inheritors without previous wealth accumulation more likely would react only with a significant time lag to the tax incentives to hold preferred assets.

Since the realized rate of return declines with an increase in 1975 capital income, it should not

surprise us that the percentage of returns showing a negative or zero change in capital income would actually rise with an increase in 1975 capital income. In fact, if one calculates returns reporting negative or zero changes in income as a percentage of total returns with similar amounts of 1975 capital income, a type of U-shaped curve emerges. At the bottom, 40 percent of those reporting zero or negative 1975 capital income show even more negative capital income by 1978 after receiving inheritances of \$50,000 or more.

In the middle, those with \$5,000 to \$7,500 in 1975 capital income have the smallest percentage of returns, 17 percent, showing a negative change after receiving their inheritance. At the top, 49 percent of those with \$100,000 or more of 1975 capital income show less (or the same) capital income in 1978. This finding is consistent with the observation that there are many wealthy taxpayers who report low or negative amounts of capital income because of substantial investment in tax-preferred assets or tax shelters of various sorts. They probably invest their inheritances in a similar manner. Those with significant amounts of reported capital income, on the other hand, include the wealthiest of taxpayers; they are also quite capable of limiting their increase in taxable income through sophisticated portfolio shifting. Those in the middle, however, often fall into neither category and include many whose experience of owning financial assets is confined principally to holding deposits in financial institutions. While this last group of individuals may also be likely to invest in owner-occupied housing -one of the best shelters of all-housing purchases are likely to take place only in discrete intervals and occur infrequently within a year or two after receiving an inheritance.

In summary, at least for persons receiving significant inheritances (\$50,000 or more) and for persons who eventually leave sizeable estates (\$60,000 or more), the measure of realized income from capital is likely to have only a small relationship to their economic rate of return from assets or any other accepted measure of well-being based on property income or property. Differences among households in realized rates of

return are quite large in all wealth classes.

4.4 Horizontal Equity: Some Theoretical Considerations

We have argued that the recognition of income from capital is partly a voluntary event and, therefore, that the realized return from capital will vary across persons of equal circumstance, whether measured by equal economic income, equal wealth, or similar classifier of well-being. Our data showed such large variations in realized rates of return across taxpayers that using realized property income as a basis for measuring equals in statistical analyses, as well as tax and welfare programs, must be called into serious question. One cannot address this topic, however, without turning to some of the theoretical arguments against the existence of horizontal inequity. "With multiple abilities or different tastes," as Feldstein notes, "any feasible tax on income or consumption" will violate horizontal equity" (1976b, p. 129). Abstracting from the general case, however, it is then argued that if persons differ only in their endowment of a single type of ability, but have the same tastes, there will be no horizontal inequity. In the extreme case, of course, this argument would be hard to refute if it were assumed that equals were so alike in every respect -abilities, tastes, and outcomes- that there was no difference among them, including taxes paid and transfers received.

The first qualification to the argument must therefore come when persons with equal abilities and equal tastes are at least allowed to have different outcomes because of luck, uncertainty, and risk. Persons with equal abilities and tastes, for instance, might still purchase different assets with equal expected returns and equal risk. Once we introduce some degree of randomness to the returns from engaging in various forms of (investment) behavior, ex post results will start to deviate from ex ante expectations.

If tax and welfare systems, as well as statistical analyses, were to be designed on the basis of ex ante conditions, there would be much less need

for many of them. In simplest terms, if all persons start out with equal opportunities in life, and several flips of the coin determine eventual wellbeing, a horizontally equitable tax or welfare system designed on an ex ante basis would tax everyone equally and grant everyone an equal amount of transfers. In that sense, except for required governmental goods and services such as defence, much of the tax-transfer system would be redundant and unnecessary. If, however, taxes, transfers, and statistical analyses are directed at ex post results, then they cannot ignore the issues of luck, risk, and uncertainty, nor can they treat those who have gambled and won the same as those who have gambled and lost.

Part of the argument against horizontal inequity also relies on what will be labeled here the market compensation effect. Even if persons purchase assets with different degrees of preference in tax or welfare systems, under certain assumptions (sometimes implicit), they will receive the same after tax rewards from those purchases. The market compensates purchasers of nonpreferred assets by equilibrating after-tax rates of return across assets, while differentials in tax rates are then reflected in different before-tax rates of return on assets.⁵

A second qualification must therefore be made if the assumptions of the model do not hold in practice. Suppose that taxpayers are taxed under a progressive tax system or one in which there are substantial numbers of investors (such as taxexempt institutions or foreign investors). Then it is not at all clear that after-tax rates of returns will equilibrate across assets with different degrees of tax preference. Any movement up in the price of an asset A or asset B to equalize after-tax rates of return for a given group of taxpayers will give an incentive for arbitrage between A and B by taxexempt investors (or investors in other tax brackets). For instance, foreign investors may turn to future markets, short sales, and other financial mechanisms to arbitrage between the assets whenever before-tax rates of return begin to diverge. Theory alone cannot determine whether this financial arbitrage dominates the tax-induced tendency for before-tax rates of return to differ according to the preferences given various assets, and one must resort in part to studies of institutions and empirical data to try to find an answer.⁶

What the data show rather conclusively is that preferred assets generally have higher economic rates of return than nonpreferred assets (e.g., for corporate stock, see Ibbotson and Sinquefield 1982; for farms see U.S. Department of Agriculture 1981).7 In contradiction to the simple market compensation argument, interest-bearing assets usually have offered the lowest economic rate of return, yet at the same time are accompanied (for each investor) by the highest tax rate because of the inclusion of the entire inflationary component of the interest rate in income subject to tax. Even if the reasons for this result are partly institutional -statutory limitations of interest rates or the habitual tendency of many lenders and borrowers to require a higher before- tax rate of return on business investment than on loans financing that investment- the designer of a tax or welfare program or the statistical observer cannot assume away such differences.

Our own data also support the notion that those with lower realized rates of return have generally achieved higher economic rates of return. The very presence of large amounts of wealth means that the top wealth holders are likely to have been persons who were successful, rather than unsuccessful, in their investment. Yet at the same time, these are the same individuals holding the assets with the greatest amount of tax preference at the household level.

A further complication is added, however, once it is recognized that the assets with the greatest amount of tax preference are often the most risky, at least over a short period of time. One might argue that the compensation to holders of nonpreferred assets is hidden by this risk adjustment. Indeed, once account is made for risk, it is hard to deny that some compensation may have taken place through the lowering of economic rates of return on risky, but tax-preferred, assets relative to the rates paid on other assets; however, there

is no evidence, either theoretical or empirical, that this compensation is complete. Partly because of financial arbitrage and partly because of institutional factors, for instance, it would be quite difficult to provide full compensation to holders of interest-bearing assets if interest rates had to rise above the rate of return on other financial assets such as stock.

In deciding whether compensation for taxes paid takes place through equalization of after-tax rates of return, the obvious voluntary nature of the tax system also must be taken into account. simply not possible to argue that two persons owning the same stock receive a different economic rate of return or face a different risk because one recognizes capital gains and the other does not, nor that a person who finds a way to deposit and withdraw money from an annuity account faces a different risk or return than a person who engages in the same behavior at a bank. The greater the voluntariness of the tax, the less there can be any compensation through market adjustments to those who pay a higher rate of tax on the same income.

In summary, horizontal inequity is unimportant in a world in which tastes are so similar among equals that they purchase exactly the same assets and one is concerned with ex ante rather than ex post distributions of welfare. By the same token, all tax and welfare systems can be shown to have some degree of horizontal inequity under realworld assumptions of several abilities or different tastes. Between these two worlds lies the world of the designer of a tax or welfare system and the statistical analyst, both of whom must classify individuals in categories of equals primarily on the basis of means relative to needs, but not tastes. This designer or analyst must take into account luck, risk and uncertainty, ex post results, the inability of financial markets to fully compensate holders of non-tax-preferred assets, and differences in taxes or benefits among individuals holding essentially the same assets, but having different patterns of recognition of income from those assets.

4.5 Implications for Research and Policy

There are several research and policy implications to the poor relationship between the realized rate of return and the economic income, wealth, or similar measure of well-being of the household. The first of the research implications is in many ways the most obvious, but in other ways the most difficult to handle. A statistical analysis of household characteristics, government payments, or taxes can be very misleading when it uses realized income as a variable or classifier. The researcher may be aware of the misleading nature of the data, but in few cases will his readers have a similar level of understanding. The problem is difficult because the correlation often can be made only by imputation of other information. Because imputation is statistically imprecise, it often reduces bias only by adding errors of measurement to a file.

Studies such as the estate-income match help us to make the imputations that are necessary. Because we can obtain fairly good information on the relationship between realized income and wealth, we can enhance our ability to take files with only reported income from property and make imputations of wealth onto those files through the investment income approach to wealth estimation (Atkinson and Harrison 1978, p. 171). Imputations of economic income will be more difficult, but, once wealth is estimated, independent studies of returns to ownership of stock, land, housing, and other assets can also be used.

Information on the ratio of realized income to asset value can also help to correct measures of the degree of inequality in society or the count of those in poverty (e.g., U.S. Bureau of the Census 1981). From the type of data reported here, one can get an idea of the number of persons with substantial wealth who report low amounts of realized income from capital. This data must be supplemented at the bottom end of the distribution. Here survey data have a better chance of filling the void, both because wage income will tend to dominate property income no matter what the error and because there are usually fewer

types of assets held and, except for homes and pensions, lesser amounts of unrealized income for which to account.

Proper measurement of property and property income is crucial for policy purposes as well. Welfare programs using realized income as a measure of means would probably be better off abandoning altogether the measure of realized income (except as a compliance check of actual property ownership) and turning instead to a measure of ability based upon wage income and property. For instance, an estimate of expected economic income from net worth, a fraction of net worth, or the annuity value of net worth could be added to wage income. Any of these measures would appear to be a more accurate, and less horizontally inequitable, measure of means than wage income plus realized income from property. Such a shift would redistribute welfare benefits more toward the longer-term poor and those with lesser amounts of wealth (Steuerle and McClung 1977). This approach also would have the advantage of no longer separating homes from other assets, and it could eliminate the need for separate asset tests with arbitrary cutoff or notch points. In addition, it would solve the problem of treating interest income as real income no matter what the rate of inflation, thus requiring welfare recipients to spend down their wealth at different rates in different years. These corrections need not add nor subtract to total welfare payments, but can be done in a way to make more equal the distribution of such payments across households of equal means relative to needs.

As for the tax system, better measurement of property or property income is certainly necessary if the base of the tax is meant to be economic income. Better measurement would require some substantial changes in tax laws, including accurate measurement of economic depreciation, indexing or approximate indexing of different types of returns from capital, and movement toward an accrual rather than a realization base. By the same token, corporate, individual, and property taxes would need to be better integrated. One tax could be meant as a substitute for another tax, but

an integrated design would need to eliminate conditions whereby some persons paid double taxes, while others with equal incomes paid no tax at all. Some of these steps would tend to raise taxes and some would lower them, but that should not be allowed to detract from the fact that it is possible to move toward greater horizontal equity in the income tax without necessarily raising or lowering the taxes on income from capital.

If our capability of taxing uniformly income from wealth continues to prove so poor, it raises the distinct possibility that a solution to the problem may come from the measurement of property value rather than of realized income. solution is readily feasible when considering corporate wealth in publicly traded stock. Even the normal property tax on real estate, despite the variation in effective rates because of poor administration, may prove to provide less horizontal inequity with respect to property owners than does the income tax.8 Its potential to provide more horizontal equity than a realized property income base is even greater. Better integration of property taxes with realized income taxes again may provide a back-door way of moving toward more uniform treatment of income from all assets.

If horizontal equity is the goal, better measurement of property and property income is required regardless of whether society moves further in the direction of a consumption tax or maintains an income tax. Horizontal equity requires at a minimum that, if two persons have equal incomes and equal savings, they should pay the same amount of taxes regardless of whether the ideal tax base is income or consumption.

The current policy approach of using realized income, adjusted by various piecemeal savings and investment incentives, unequivocally fails the standard of horizontal equity. Although the focus of this chapter has been on equity issues, the efficiency costs of existing failures to provide uniform treatment of different sources of capital income may be quite substantial and are caused by the same measurement problems that create

horizontal inequity (Steuerle 1983b; Galper and Steuerle 1983).

Obviously, if no societal consensus exists on whether to move toward an income or a consumption standard, the steps that can be agreed upon will be less. All of the following, however, at least move in the direction of meeting the common standard of imposing the same tax on those who have both equal incomes and equal savings: uniform measurement and taxation of real economic income from property, regardless of source; unification of savings and investment incentives to measure total savings and investment; and uniform reciprocal treatment of interest paid and received, or borrowing (dissavings) and savings.

In summary, both for research and policy purposes, reliance upon realized income from capital as part of a measure of well-being has led to misleading analyses and poorly designed programs. The standard of horizontal equity in tax and welfare programs is violated whether the measure of equals is on the basis of economic income or consumption. Accounting for economic income may be difficult, but there are approximate methods that would allow greater accuracy in statistical analyses and a fairer distribution of benefits and taxes in government programs.

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Comment James D. Smith

All societies have both political and functional imparities to define well-being. It is inevitably a topic of political debate, but beyond the realm of campaign rhetoric. The political process is the mechanism by which measures of well-being are translated into policies for sharing the burden of

public goods, one of which is the distribution of well-being itself. The term well-being has a ring to it that endears it to those charged with ennobling entrances to public edifices, drafting political tracts, or engaging in pure theory - all endeavors where the felicity of language transcends understanding. For public policy a more analytically tractable concept is necessary. The most widely applied proxy for well-being is realized income. Steuerle suggests that the use of realized income derives from historic accident, convenience, and ideology. Whatever the reasons for the use, it is not Steuerle's chosen burden to explicate them, but rather to disabuse the reader of any notion that it is a wise use. He does this in a minor way by the didactics of public finance texts, but in a more compelling way by putting on display a new data base, indeed, a data base that is not yet quite finished. In its present state it is like the product of the consummate designer of women's fashion: in good taste, but revealing just enough to maximize speculation and interest on the part of the viewer. Steuerle speculates a great deal about what is behind his data, and I will turn to his speculations and some of my own in a moment, but first let me describe its nature.

For routine statistical processing in its Statistics of Income (SOI) program, the Internal Revenue Service drew a sample of about 41,000 Federal estate tax returns filed in 1977. These returns were for decedents who died in 1977 or before (the majority of them being for decedents in 1976 and 1977). A one-in-ten subsample, or about 4,100 estate tax returns, was selected for Steuerle from the initial IRS sample with the intent that for each of these, the income tax return of the decedent in the year preceding his death would be located as well as the income tax return of the decedent's nonspousal legatees in the year prior to and the year following inheritance. For reasons that are not obvious, but troubling, tax returns from the year preceding death were not found for over one-quarter of the decedents for whom an estate tax return had been selected. The about 2,900 decedents for whom an income tax return

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could be found were used for part of the analysis presented in Steuerle's paper.

Estate tax returns require filers to list legatees along with their Social Security number and amount bequeathed them. Steuerle formed a second analysis file consisting of all nonspousal legatees who received \$50,000 or more and for whom an income tax return could be found for 1975 and 1978. Thus, he has a set of legatees for whom he knows taxable income shortly before and shortly after the receipt of a bequest of \$50,000 or more. The size of this sample is 1,451 legatees.

Thus, he has two sets of data, one relating decedent's wealth to income in the year preceding death and another relating the income in years preceding and following an inheritance to that inheritance.

I applaud the kind of administrative record matching Steuerle is doing; we need a lot more of it. In its present state the data are not representative of any meaningful population, however, and our uses of them should keep this in mind. Steuerle notes that the SOI file was stratified according to size of gross estate. He argues that because his analysis deals primarily with issues of within- and betweenwealth classes that the unweighted form of his file will not be biased.

Although I agree with this proposition so far as he wishes to make statements about rich decedents and draw some inferences about income/wealth relationships, it does not follow, that one can safely make inferences about the importance of income/wealth relationships for the living population, which is the relevant one. The estate tax returns are a sample of wealthy, living persons stratified by age, sex, race, and marital status. The stratification occurs because the sample is drawn by death, and factors that influence mortality rates make it unrepresentative of the living population. For instance, his sample overrepresents older persons who have a higher probability of dying than do younger ones.

The sample can be unbiased by weighting the observations by the reciprocals of mortality rates applicable to decedent characteristics. In table C4.1, I compare the asset composition in Steuerle's sample of decedents to the asset composition of the SOI file after it was weighted to represent the living population sufficiently wealthy to file estate tax returns were they to die. The weighting reverses the relative importance of real estate and corporate stock - the two largest asset types, and ones that have quite different income realization potentials because real estate is dominated by owner-occupied structures.

Table C4.1 Comparison of Asset Composition from Weighted SOI File and Unweighted Collation File

	Percentage of Total Wealth					
Asset	Weighted SOI	Unweighted Collation				
Corporate stock	23.9	40.7				
Real estate	34.8	22.3				
Cash, bonds, notes, and mortgages	22.5	27.4				
Noncorporate business	4.5	2.7				
Other assets	14.2	7.0				
Total Assets	100.0	. 100.0				
Debts	15.5	7.3				
Net worth	84.5	92.7				

SOURCE: Schwartz 1983.

To the extent that behavior related to age, sex, and other mortality-related variables bear upon realization rates or portfolio composition, properly weighted data would give different results. Steuerle's main point, that the variance of realization rates is so high as to render realized income an inappropriate measure of well-being is so obvious in the data that it will likely hold when the sample is weighted, but the observed dispersion of the realization rates will be compressed some. His findings also pose considerable challenge to researchers who would link income and wealth either by capitalizing income flows or by converting asset value to yield. I will return to these

research issues later. First, let me comment further on Steuerle's findings.

In table 4.1 Steuerle provides an overall view of the composition of the income of these relatively affluent individuals and of the proportion that each income type represents of total net worth. On first glance the percentages that incomes represent of total net worth seem too small. But when one remembers that these income flows are essentially for 1975, when the average yield of stocks traded on the New York Stock Exchange was 4.1 percent and treasury bills were yielding about 6 percent, the aggregate taxable income of this group which represented about 4.4 percent of its net worth certainly does not seem implausible. Keep in mind that not only is this group rich, but it is made up of considerably more women and older persons than would be found in a random selection of equally rich individuals. This accounts for the relatively small share, 25.5 percent, of total income represented by wages and salaries. The interpretation of the percentage that a particular income flow, such as dividends, represents of total net worth is not obvious. But Steuerle is pushed to such comparisons because in the period between the income tax return and death one can convert assets - stock into cash for instance. For treasury bills the opportunity for conversion to cash would be automatic with the maturity of the bill.

Steuerle goes on, making the point quite strongly in table 4.2 that considerable variability exists in realized income from capital. He compares the gross capital income reported on income tax returns in the year before decedents' deaths with the value of assets reported on their estate tax returns. He notes that the average rate of realization declines with size of wealth. Decedents with under \$100,000 in gross assets had a realization rate of 12.4 percent, while those with \$2.5 million or more of wealth had a realization rate of 2.2 percent. He points out that an examination was undertaken of cases with unusually high rates of realization; it was found that dividend and interest income were implausibly high relative to total He speculates that the time interval assets.

between the reporting of income and the recording of assets may have permitted people to transfer or consume wealth. Thus the high rates of realization observed for some decedents may, in fact, be a problem of intertemporal misalignment of accounting points and periods. I agree with the general speculation, but let me pursue it a bit.

First, it is known from estate tax data that costs of last illness can be substantial. The population with which he is dealing is quite old: the mean age is seventy-two. One can easily imagine prolonged illnesses. If the cost of these illnesses is less variable across individuals than is the value of their assets, the relatively higher medical cost for the less affluent of these rich folks diminishes their assets relatively more than it does the assets of the more affluent, and the ratio of their taxable income in the year before death to the wealth reported in their estate tax return is consequently higher. Steuerle can pursue this issue by examining the cost-of-last-illness value reported on the estate tax returns. He can also, with greater effort, locate decedents' death certificates, which provide information on cause of death and duration of last illness. Both of these might serve as proxies for the consumption of medical services.

In addition to consuming medical services, it is reasonable to expect that some of this decedent population was drawing down its assets for general consumption expenditures prior to death. If this drawing down involved the liquidation of bills, notes, and bonds as they matured, interest income will show up in the income tax returns, but some portion of the face value of the instruments will have been used for consumption and will not show up in the estate tax returns. If one hypothesizes, as I do, that consumption expenditures will not be proportional to wealth for this population, then the liquidation of assets will be relatively more important for the less affluent than for the more affluent. Thus the proportion of wealth represented by capital income would appear to be larger than for the more affluent in the Steuerle file.

There is also the problem that bearer bonds may

generate an interest flow but can be "informally" distributed among the heirs, hence escaping taxation and not appearing in the estate tax return. Finally, there is the problem of the tax-paying unit represented on the estate tax return versus the tax-paying unit represented on the income tax return. It is not clear from Steuerle's discussion how income reported on a joint income tax return is related to the assets on an estate tax return, which is always filed for a sole decedent. There is not an easy solution to the problem of ascribing ownership of income on joint returns to the person owning assets on the estate tax return. Although the income tax return in 1976 requested that dividend income be designated as joint or as belonging to the husband or wife, taxpayer compliance with this request is believed to have been very poor. Furthermore, large amounts of dividend income were frequently reported as from street accounts without differentiation among different street accounts or the ownership thereof. For other types of property income no designation of ownership was required on the return. insight into the joint return problem could be provided by analyzing separately joint returns and all other returns. It is suspected that if Steuerle were able to make corrections for the temporal misalignment of the income-reporting period and the asset evaluation point as well as for assets that are informally distributed, the variation of rates of return across wealth-size classes would be considerably compressed. There still would remain substantial within-class variation of rates of realization, however. Steuerle notes with respect to table 4.2 that at least 5 percent of each wealth class has zero or negative realization rates. Because the denominator for the realization rate is gross assets, negative rates must come about because of negative income. This suggests that significant numbers of farm and business losses are present on the income tax returns. Since farms and business assets are more likely to be held by men than women, when the file is weighted the proportion of negative and zero rates of return can be expected to increase.

Thirty percent of the decedent population had realization rates of 10 percent or more as calculat-

ed by Steuerle. However, 20 percent of the decedent population with assets of \$100,000 or less reported realization rates of 15 percent or more. I suggest that the factors offered in explanation for the overall high average realization rate (12.4 percent) for the group are at work to generate these unusually high rates of realization.

There is another factor that can generate artificially high realization rates. Professional practices and some small business assets are frequently identified with the owner. The value of the business for estate tax purposes may come down to an evaluation of accounts receivable and physical property, but the business income reported on tax returns reflects the owner's marketability. In purely economic terms, there would be a large factor payment to labor, but on the tax return it would all appear as business income. Thus we have a confounded problem of misconceptualization of income and asset devaluation induced by death.

Next Steuerle looks at the change in capital income from 1975 to 1978 for legatees other than spouses who inherited \$50,000 or more. In the upper-right-hand portion of table 4.3 Steuerle calculates the change in gross capital income amounted to approximately 6 percent. Because these inheritors were nonspouses, it is reasonable to speculate that assets such as residential housing, consumer durables, works of art, and other non-yield-producing forms were less important in these inheritances than they would have been in the inheritances of spouses. Given this and the fact that one might reasonable expect some increment in legatees' asset holdings to have occurred quite independent of any inheritance, a change in gross capital income that amounted to 6 percent of the inheritance does not seem unreasonable at all. Steuerle notes there is relatively little difference in the realization rate by size of inheritance. This is also plausible for the same reasons. When one looks at the percentage that change in gross capital income represents of the value of inheritance within inheritance-size classes, however, one finds a substantial variability. For instance, nearly one-third of those inheriting

between \$50,000 and \$100,000 have negative changes in gross capital income between 1975 and 1978. It is difficult, however, to tease much understanding out of the table because so many unobservable things are going on. For instance, we know little about the age of the inheritors and to what extent they might be selling off assets. We do not know the value of the assets they held prior to inheritance. For inheritors with substantial preinheritance wealth, small fluctuations in the rate of return of their prior wealth could swamp percentage changes in income due to inherited wealth. For inheritors who are farm and business proprietors, normal year-to-year variability in income could be substantially greater than any variability induced by the newly inherited assets. If the inheritance was itself a farm or business asset, then the variability in the asset yield on the inheritance itself could be quite large. particular instance the data has revealed too little to us to excite much speculation.

Finally, in table 4.5 Steuerle looks at changes in gross capital income over the period 1975 to 1978 by size of 1975 gross capital income. This is somewhat of a proxy for preinheritance wealth, but the whole thrust of Steuerle's argument on realization rates qualifies this use of it. Yet when he does this he finds that individuals with zero or negative capital income in 1975 where much more likely to have zero or negative changes in their capital income from 1975 to 1978 as were individuals with relatively high 1975 capital income. He speculates that persons with zero or negative capital income in 1975 and those with high capital income in 1975 are, in fact, similar individuals, the implication being that those with zero or negative capital income really were holding substantial amounts of assets but were effectively using tax shelters, as were very wealthy persons in 1975. It was, he argues, the petty rich, those with capital incomes between \$2,500 and \$20,000, who had high realization rates and consequently were taxed on their lack of tax sophistication. He speculates that legatees with large 1975 capital incomes were sensitive to high marginal tax rates and had strong incentives to convert their inheritances into preferred asset forms since they were likely to be savers and had already accumulated large amounts of wealth. Their propensity to consume out of their inheritances would be low. He also speculates that the owners of substantial capital would have a higher probability of having already engaged in tax-induced portfolio shifting and have access to investment advice. Legatees without previous wealth accumulations would have a tendency to engage in tax minimization efforts only after a time lapse. Again, Steuerle's speculations are plausible and the evidence is suggestive, but the reader is left with a terrible sense of urgency to examine the files in detail to understand what is really going on behind the tabulated results.

Conclusions and Research Implications

Steuerle, without a doubt, demonstrates that realized income is an inappropriate measure of well-being. To the extent that it is used as a basis for allocating tax burdens and transfers, it introduces substantial horizontal and vertical inequities. Although the collation file will provide substantial insight into the equity issues posed by the use of realized income, even after it is weighted and much more is understood about the file, we will have done only the necessary preliminary work to exploit the rich body of data he has assembled. Although I encourage Steuerle to continue examining the relationship between income tax returns and assets on estate tax returns, I suggest that once he has completed this task that he consider a slightly different strategy.

Given the information he has available from the collation file plus some additional information he could obtain or may already have, I would argue for reconstructing a balance sheet for each individual decedent as it existed at some point within the year of the income tax return in the collation file. This would not necessarily be an easy task. It will require using information income tax returns filed by the decedent prior to his death and by executors of the estate for periods during which the decedent was alive but did not file. It might also require searching for gift tax returns. The central issue is that of entering into the balance sheet the

value of assets that disappeared because they were consumed or transferred between the income tax observation and the estate tax observation in the collation file. Schedule C will be of some value in their endeavor as will information on medical costs that appear in the estate tax return as well as in the income tax return. Once one has such a file, not only can one make judgements about equity distortion introduced by the utilization of realized income but one can move a consider.

able distance the derivation of economic income for relatively affluent individuals. Such a file could be the basis for simulating a variety of tax policies.

References

Schwartz, Marvin. 1983. Trends in personal wealth, 1976-81. <u>Statistics of Income Bulletin</u> 3: 1-26.

Endnotes

- 1. It was not possible to distinguish between cases in which an income tax return was not filed and cases in which the return could not be found because of an invalid Social Security number.
- 2. Even at the business level, major items of income such as accrued capital gains and nominal interest payments and receipts are measured essentially by a cash flow criterion.
- 3. One can model ignorance as a cost of acquiring information. If we assume that the cost of acquiring information rises with one's ignorance of the tax and welfare laws, however, then the tax and welfare systems still impose taxes that rise with ignorance. These taxes can be paid directly to the government or indirectly to advisors.
- 4. For a separate analysis of the returns to owners of farms and closely held businesses, see Steuerle 1983a.
- 5. For an excellent model of the extent to which such market compensation might take place in a progressive tax system, as well as the implicit taxes paid and transfers received under certain conditions, see Galper and Toder 1984. For other portfolio effects, see Bailey 1974 and Blume, Crockett, and Friend 1974.
- 6. A related issue is the effect of taxes on interest rates, especially in a period of inflation. Because inflation raises the effective tax rate on real income from interest-bearing assets, and because income from these assets is more vulnerable than other assets to this inflation-induced tax, one might initially expect the interest rate to rise by a multiple of the increase in the inflation rate. In almost all attempts to explain the effect of inflation and taxes on observed interest rates (e.g., Darby 1975; Tanzi 1980; Peek 1982), however, it is assumed incorrectly that the tax system is proportional or, through use of average marginal tax rates, effectively proportional for all investors, both domestic and foreign. This assumption prevents the type of financial arbitrage discussed above from working to reduce the increase in the interest rate. In addition, the failure to take into account the extent to which interest is deducted at a higher tax rate than it is included in income, as well as the extent to which receipts are never counted at all (Steuerle 1984), leads to a misestimation of average marginal rate.
- 7. An exception, of course, is provided by tax-exempt bonds, but even wealthy individuals generally hold only a small percentage of their assets in tax-exempt bonds. See Schwartz 1983,
- 8. See Aaron 1975 for an argument that the property tax may also be progressive.
- 9. Strictly speaking, if one were to move all the way to a consumption tax, economic income would not have to be measured. However, a consumption tax would require wealth accounting, or, to be more precise, at least a measure of withdrawals and deposits in qualified (wealth) accounts. In addition, during a transition period, wealth accounting of existing assets would be required to insure that trillions of dollars worth of consumption were not allowed to go tax free for current holders of wealth.

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CHAPTER 4 Methodolgical Issues

Introduced by R. Louise Woodburn

here is much interest in the estimation of personal wealth in the United States. The most common methods of computing these estimates are: collecting wealth data directly via a survey, capitalizing income flows reported on individual tax returns, and using wealth data reported on Federal estate tax returns. As discussed in the Scheuren and McCubbin paper, perhaps none of these methods alone is adequate. Certainly, a joint effort combining the strengths of each method would be better. In order to accomplish this task, it is necessary to understand the relative strengths and weaknesses of each method. The collection of papers in this chapter provides an understanding of these underlying issues for the Estate Multiplier technique. The Smith paper details the history of the estate multiplier technique. The technique has improved over the years, although some of the concerns raised in the Smith paper still haunt researchers today. The Scheuren paper also provides a historical perspective, with an Afterwords discussing the changes since 1975.

The beauty of wealth estimates computed using the estate multiplier technique is the rich administrative estate data from which the estimates derive and the clever use of these data to estimate the wealth of the living population. The administrative data on an estate tax return are quite detailed and relatively error free, when compared to comparable survey data. Underlying the beauty of this technique, however, are several important methodological issues, which can be separated into two categories: data and estimation. The estimation issues are more easily quantified than the data issues. Indeed, since administrative data are used, the data issues will, most likely, continue to plague researchers.

There are three main types of data issues. First, the estate data are affected by the actions of the individual in preparation for death. This is especially a concern with elderly and terminally ill individuals, who may choose to pass on wealth before death or who need to pay extensive medical expenses. The remaining two data issues are of particular concern when researchers compare results from the estate data to estimates computed using household surveys (e.g., the Survey of Consumer Finances sponsored by the Federal Reserve Board). One main concern is the definition and nature of the data that are required to be included on the estate return. For instance, the full value of the life insurance is reported, rather than the cash surrender value as would be appropriate for survey-measured wealth. Also, data reported on the estate return are influenced by the tax consequences and are subject to change during an audit. The McCubbin paper discusses a study of post-audit data changes. The Scheuren and McCubbin paper discusses the asset definitions in detail. The final data concern is the population that is included in the estate universe; it is based on individuals and is limited to those with total gross estate above the filing threshold. The Johnson and Woodburn paper attempts to deal with these coverage and definitional differences by constructing a household wealth file with the estate data for more direct comparison with the Survey of Consumer Finances household results.

Typical estimation issues in a survey begin with the design of an appropriate sample and continue through the computation of appropriate sampling weights, desired estimates and their corresponding variances. These issues are also important in the case of the estate multiplier estimates. The difficulty in the latter case is that the researcher has no control over the decedent population (that is, the sample of the living population selected by death). This leads to a very inefficient sample design for the estimation of wealth for the living population. Additionally, when computing the estate multiplier estimates, the researcher must estimate the probabilities of selection. Typically, the base mortality rates by age and sex are used, with adjustments estimated for a differential mortality for the wealthy population. There has been much work on the estimation of an appropriate differential, as described in

the Smith and Scheuren papers. In order to reflect the uncertainty inherent in the multipliers, Johnson and Woodburn estimate the differentials using a regression model and incorporate the model uncertainty. They then develop bootstrap samples that reflect all the sources of uncertainty, in order to compute the variance of the resulting estimates.

Finally, a researcher well-versed in the issues described in these papers is ready to compute wealth estimates and compare them to outside estimates. This has been done here via thorough comparisons of estate multiplier estimates to those from the Survey of Consumer Finances found in the Scheuren and McCubbin and Johnson and Woodburn papers.

In conclusion, the papers in this chapter not only detail the history of the estate multiplier technique and provide an understanding of the methodological issues, but they also provide exciting suggestions for future research.

Estimating the Wealth of Top Wealth-Holders From Estate Tax Returns

by James D. Smith, Ph.D.

Introduction

The estate multiplier technique, as currently used, rests on the assumption that death draws a random sample, stratified by age and sex, of the living population. If one has available age-sex-specific mortality rates, an estimate of the wealth of the living in a given period of time can be made by stepping-up the wealth of decedents in each age-sex class by the inverse of the mortality rate associated with that age-sex class, and summing the results across all age-sex classes:

$$W_{t} = \sum_{i=1}^{m} \sum_{j=1}^{2} \frac{V_{ij}}{M_{ij}} W_{ij}$$

Where V_{ij} is the number of living persons, M_{ij} is the number of decedents, and w_{ij} is the wealth of decedents, all associated with the ijth age-sex class. The term V_{ij}/M_{ij} is the estate multiplier for the ijth age-sex class. The technique can also be used to derive distributions for the living by any identifiable characteristic of the decedents or their wealth.

Using the Federal estate tax returns, the Internal Revenue Service is preparing estate multiplier estimates of the wealthiest strata of the United States population in 1962. This is gratifying to economists looking toward comprehensive estimates of U.S. wealth and national balance sheets by the end of the decade of the '60's.

This paper presents (1) a short discussion of the problems and limitations of estate multiplier estimates, (2) a brief review of previous estate multiplier estimates, (3) some results from a 1958 estimate, and (5) some ideas for future estate multiplier estimates (by no means a plan for their realization, in view of the demand for other statistics). A technical appendix demonstrates mathematically the derivation of estimates by use of the estate multiplier technique.

Problems and Limitations

Administrative records used for the collection of death taxes have been employed in England, Wales, Scotland, Australia, New Zealand and the United States as inputs to the estate multiplier.

As is almost always the case, however, administrative records reflect the immediate needs of administrators; only indirectly the needs of scholars -- and often policy makers. Death tax returns, for instance, are required only for decedents with estates above a rather high level of wealth. In the United States the present filing requirement is very high, \$60,000. (We hereafter refer to persons with gross assets of over \$60,000 as top wealth-holders.)

Because of the high filing requirement, the estate multiplier method is not suited to estimating total private wealth in the United States or its distribution along a complete Lorenz curve. At the upper levels, however, it enjoys a comparative advantage over field surveys. In 1963, for instance, 78,393 estate tax returns were filed for persons with assets of over \$60,000. The Federal Reserve Board, on the other hand, used a total sample of only 3,600 families to estimate the distribution of wealth for the entire population.¹

But even with the very large sample of top wealth-holders provided by estate tax returns, considerable sampling variability attaches to estimates of ownership of assets such as municipal and corporate bonds, the distributions of which are highly skewed even among the rich. Further, the sampling variability attaching to estimates of wealth held by persons of younger ages is greater than corresponding estimates for older persons because death draws a much thinner sample of the

young.

But beyond the general problems associated with any sample, three areas of difficulty are inherent in the application of the estate multiplier to U.S. estate tax returns. First, there is the problem of selecting the appropriate set of mortality rates; second, that of informational gaps in the returns; and third, the necessity to infer year of death.

If mortality rates and wealth are correlated, then a biased estimate will be produced using mortality rates unadjusted for wealth level. Indirect evidence supports the view that an inverse correlation exists -- the rich do live longer. Under this circumstance the estate multipliers will be too low, and under-state the wealth of top wealth-holders.

The major information gaps in the U.S. estate tax returns are missing ages and the absence of life insurance cash surrender value and of post audit asset valuations.

Each year a number of returns are filed without age information (1,383 out of 55,685 in 1958). It is necessary, therefore, either to exclude the returns for decedents of unspecified age or to impute ages.

Life insurance in the estates of the decedents, unlike other assets, is not isomorphic with that in the hands of the living. The economic value of a life insurance contract to a living person is its cash surrender value, but death brings the face value of the contract into the estate. In order to estimate the wealth of top wealth-holders, it is necessary to adjust downward the life insurance component reported on estate tax returns.

Although evidence suggests that auditing may increase asset values reported on estate tax returns by as much as 10 percent, only tabulations of unaudited returns have been available for estate multiplier estimates.³ Under-estimation here, however, is probably less than in field surveys.

For administrative purposes it makes sense to tabulate returns by calendar year of filing. Conse-

quently, one does not have the sample death has drawn of the living population in a calendar year; rather returns filed in a calendar year, which include returns for deaths of several years. The executor has 15 months after decedent's date of death in which to file a return, and extensions may be granted beyond that. During 1965 returns filed within the 15 month filing period may be for decedents whose date of death was as early as October 1963. On the other hand, returns for some 1964 decedents will not be filed until 1966. A few returns filed in 1965 with extensions of time may be for decedents whose date of death was over 10 years ago.

Although the first study of the temporal distribution of dates of death will be done with the 1966 filings, it is believed, on the basis of limited evidence, that the great majority of returns filed in a given calendar year represent deaths in the preceding year. In all estate multiplier estimates it has been inferred that a return filed in a given year represented death in the preceding year. Because the number of returns and asset prices have moved secularly upward, the inference of the year of death probably introduces a downward bias in the wealth estimate.

Previous Uses of the Estate Multiplier Technique

Although financial information about decedents was used to estimate total wealth of the living by the "interval devolution" method in the 19th century, the estate multiplier technique was first suggested by Coughlin in 1906.4

The first estate multiplier estimate was made by Bernard Mallet⁵ in 1908 when he applied inverse mortality rates to English estate duty tabulations for 1905 and 1906 and the second was apparently made by Laughton for Victoria, Australia for 1911-12.⁶

In 1918 G. H. Knibbs published estimates for Australia for the years between 1878 and 1911.7 He used age-sex specific mortality rates, but his data did not provide a break-down by asset type. He was well aware of the possibility that mortality rates might be inversely correlated with wealth, but after an examination of life insurance records,

decided the evidence for Australia did not support reducing the age-sex-specific mortality rates.

Estate multiplier estimates for England and Wales for the years 1911 to 1913, 1924 to 1930 and 1936, were produced by Daniels and Campion.⁸ They contended the £100 filing exclusion filtered lower social classes out of the sample. Comparing occupations of decedents for whom estate duty returns had been filed with the occupational distribution in the Decennial Supplement on Occupational Mortality of the 1921 British Census of Population, they found the majority of decedents with more than £100 were in the top social classes used in the census. They then pointed to the significantly lower mortality rates for each of the upper classes in each of the four age brackets spanning the age interval 25 to 65. On the basis of this evidence, they lowered the mortality rates (thus raising the multipliers used for their estimate).

Kathleen Langly has published estimates for England, Scotland and Wales for 1936-38, 1946-47, and 1950-51.9 In each case, she used general age-sex-specific mortality rates unadjusted for social class. An estimate for England for 1947-49 by A. M. Cartter, however, did employ age-sex-specific mortality rates so adjusted. 10

Lydall and Tipping, using age-sex-specific mortality rates for the top two social classes defined in Great Britain's 1951 Census of Population, have made estimates for each of the years 1951 through 1958 for England, Scotland and Wales (England and Wales together for each year except 1957 and 1958). As with prior estate multiplier estimates for Great Britain, they were not able to directly estimate the asset composition of wealth because Her Majesty's Commissioners did not publish tabulations of asset type by age and sex of decedent. Lydall and Tipping imputed an asset composition on the basis of the size distribution of estates within each age-sex cell.

To dampen the effect of sampling errors, they averaged the estimates of wealth above £2000 for the years 1951 through 1956, taking the result as their best estimate for beginning of year 1954 for persons with wealth of £2000 and over.

The first British estate multiplier estimate to get directly at the composition of wealth was done by J.R.S. Revell for 1957-58. His findings show that Lydall and Tipping's imputation of asset composition based entirely on size distributions was far from correct.¹² An official estimate for Great Britain for 1960, also produced a direct estimate of the composition of the wealth of the wealthy.¹³

Two estate multiplier studies previous to the 1958 results presented below have been made for the United States. In the first, Mendershausen made an estimate for each of the years 1922, 1924, 1941, 1944 and 1946.14 For the year 1944 a special tabulation of gross estate by type of asset and age of decedent was prepared for him by Internal Revenue Service. Unfortunately, the tabulations did not provide sex of decedents. Using both white age-specific mortality rates and a set of rates adjusted for social class. Mendershausen estimated the wealth of top wealthholders by type of asset. The set of social class adjusted rates were based on the experience of the Metropolitan Life Insurance Company with a group of risks called the "\$5,000 whole life classification." composed predominantly of wellto-do individuals.15

With a tabulation by asset type, Mendershausen was able to isolate life insurance and adjust for the difference between the value of proceeds reported in the estate of a decedent and cash surrender value the instant before death. To do this, he obtained from "one fairly large" insurance company the ratios of reserves to face values by age groups of policyholders. It was basically this set of ratios which he used to reduce the proceeds reported on estate tax returns to estimate the life insurance equity of top wealth-holders in 1944. Mendershausen excluded those returns on which age of decedent was not reported.

Lampman estimated the wealth of top wealthholders in 1953. As did Mendershausen, he worked with a special Internal Revenue Service tabulation. Decedents were classified by State and marital status, as well as age and sex. Assets were classified by 10 types (including debt). He used

social class mortality rates based primarily on a study of differential mortality by Moriyama and Guralnick and the mortality experience of a large insurance company with a group of risks buying relatively large policies.¹⁷

Life insurance proceeds reported in the estates of decedents were reduced by a set of ratios of reserves to face values by age of policyholder. The ratios were obtained by reducing Mendershausen's ratios on the ground that the overall ratio of reserves to face value had decreased since 1944.

Lampman imputed to decedents of unknown age the average age of all decedents, and for the first time related U.S. estimates to national balance sheets.

The 1958 Estimates

The estimates for 1958 which follow are from a study by Smith of the income and wealth of top wealth-holders in 1958. The mortality rates used were obtained by reducing the 1958 white age-sex-specific mortality rates, based on post 1960 Census population estimates, by the same proportion Lampman had reduced the comparable rates for 1953. Insurance was reduced by the same ratios used by Lampman. Decedents of unknown age were imputed the average age of all decedents of the same sex in the same size of gross estate class. Table 1 shows the composition by type of property and size of gross estate of the wealth of top wealth-holders in 1958.

Because one of the important uses of estate multiplier estimates is to gauge the concentration of wealth, a mid-year 1958 national balance sheet for individuals has been constructed. The balance sheet was constructed by modifying Goldsmith's balance sheet for nonfarm households to include noncorporate farms and to exclude nonprofit institutions. Goldsmith's balance sheet values are for the end-of-year. ¹⁹ His estimates were converted to mid-1958 by taking the arithmetic mean of his end-of-year 1957 and 1958 values. This was done to achieve correspondence with the wealth estimates which are based on a sample of decedents assumed to have been drawn rather evenly

over the year 1958.

The method of constructing the balance sheet for individuals differed slightly from that used by Lampman. Because of this, and also because Lampman worked with preliminary data, a new balance sheet for individuals was constructed for mid-1953 to permit a direct comparison of the share of top wealth-holders in personal wealth based on his finding for 1953 and Smith's for 1958. The revision of the 1953 balance sheet had slight effect on the share of top wealth-holders as reported by Lampman.

Table 2 shows the 1953 and 1958 balance sheets. In accordance with the concepts adopted by Lampman, an individual sector was constructed to show both prime wealth and total wealth. Total wealth includes all personal wealth from which one receives "direct" benefits. Thus, it includes pension and trust funds though their corpus may not be subject to invasion. Prime wealth is total wealth less the value of assets in trust funds and pension reserves.

Because of one extremely unusual case which appeared in the Internal Revenue printouts, some adjustment to the composition of assets of top wealth-holders is called for. One female under 40 years of age was tabulated as having an estate of \$14,526,000. Examination of the detailed IRS tabulations shows that \$13,609,000 of this estate was in annuities. Blowing-up this value by the high multiplier associated with females under 40, yields an estimate of annuities of \$19.8 billion, a very dubious value.²¹

Assuming the gross estate of this one decedent was distributed among assets in the same proportions as assets in the aggregate gross estate of all other top wealth-holders in the same estate size class, then the distribution of assets and their respective shares appears as shown in table 3. Adjusting the total composition shown in table 1 for this one case results in the estimated concentration of State and local bonds, other bonds and corporate stock being considerably increased; and that of "miscellaneous assets" decreased.

In order to place the share of wealth owned

Table 1. COMPOSITION OF GROSS ESTATE BY SIZE OF GROSS ESTATE FOR TOP WEALTH-HOLDERS IN 1958

	Number	Number Type of Property								
	of top	Real	Federal	State and	Other	Corporate		Notes and		
Size of Gross Estate *	wealth-	estate	bonds	local bonds	bonds	stock	Cash	mortgages		
	holders			l i						
	(Thousands)			(Billion	dollars)			·		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
Total	2,595	114.4	16.2	10.6	3.5	182.0	39.3	17.0		
\$60,000 under \$70,000	274	6.2	0.8	0.1	0.1	3.6	2.5	0.0		
\$70,000 under \$80,000		7.7	0.9	0.1	0.1	4.6	2.7	I .		
\$80,000 under \$90,000	241	7.0	0.8	a	0.1	4.0	2.2	0.		
\$90,000 under \$100,000	211	6.5	0.8	a	0.1	4.4	2.0	1		
\$100,000 under \$120,000	357	12.8	1.4	0.1	0.2	8.7	4.1	1.4		
\$120,000 under \$150,000		13.6	1.6	0.1	0.2	11.8	4.5	1		
\$150,000 under \$200,000		14.2	1.9	0.2	0.3	14.7	4.6	(
\$200,000 under \$300,000		15.4	2.2	0.6	0.5	21.8	5.2	1		
\$300,000 under \$500,000	151	11.8	1.8	1.0	0.6	24.0	3.9	2.		
\$500,000 under \$1,000,000		9.8	1.8	2.1	0.6	29.9	3.7			
\$1,000,000 under \$2,000,000	28	4.2	1.2	2.3	0.3	21.2	1.7	1.		
\$2,000,000 under \$3,000,000		1.4	0.3		0.1	9.1	0.5			
\$3,000,000 under \$5,000,000	2	1.2	0.2	1.5	0.2	5.3	0.5	0.		
\$5,000,000 under \$10,000,000		0.7	0.3	, ,	0.1	6.1	0.7	1		
\$10,000,000 under \$20,000,000		1.5	а	0.4	а	9.9	0.3	1		
\$20,000,000 or more		0.2	0.1	0.4	а	2.9	0.1	0.		

Detail may not add to total because of rounding. Notes at end of table

Table 1. COMPOSITION OF GROSS ESTATE BY SIZE OF GROSS ESTATE FOR TOP WEALTH-HOLDERS IN 1958 -- Continued

	Type of P	rpperty – -	- Continued		Gross	Estate		
	Life insu	rance		Miscel-	Using face	Using equity	Debts	
Size of Gross Estate *	Face	Equity	Annuities	laneous	value	value	and	Economic
	value	value		assets	of life	of life	mortgages	estate **
	1				insurance	insurance		
	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Total	52.4	13.3	19.8	55.2	511.1	472.0	42.9	429.0
\$60,000 under \$70,000	1.9	0.5	0.1	2.0	17.8	16.4	1.2	15.2
\$70,000 under \$80,000	3.1	0.7	0.1	2.6	22.7	20.3		18.6
\$80,000 under \$90,000	3.2	0.7	0.1	2.3	20.5	i	1.5	16.4
\$90,000 under \$100,000	3.2	0.8	0.1	2.2	20.1	17.6	Į.	16.0
\$100,000 under \$120,000	5.9	1.4	0.2	4.3	39.0	34.5	3.3	31.2
\$120,000 under \$150,000	7.6	1.8	0.1	5.4	46.9	41.0	4.5	36.5
\$150,000 under \$200,000	8.6	2.0	0.2	6.3	53.4	46.8	5.0	41.8
\$200,000 under \$300,000	8.0	2.1	0.3	8.1	64.6	58.7	6.1	52.7
\$300,000 under \$500,000	5.3	1.5	0.1	6.8	57.4	53.6	5.0	48.6
\$500,000 under \$1,000,000	3.7	1.2	0.2	5.7	59.6	57.2		51.9
\$1,000,000 under \$2,000,000	1.4	0.5	a	4.7	38.4	37.5	3.4	34.0
\$2,000,000 under \$3,000,000	0.3	0.1	а	2.0	15.3	15.1	1.2	13.9
\$3,000,000 under \$5,000,000	0.1	а	a a	0.6	9.7	9.7	0.6	9.1
\$5,000,000 under \$10,000,000	0.1	a	a	1.7	10.6	10.6	0.8	9.7
\$10,000,000 under \$20,000,000	a	a	++ 18.4	0.6	31.3	31.3	1.8	29.5
\$20,000,000 or more	a	а	a	а	3.7	3.7	a	3.6

Detail may not add to total because of rounding.

- a. Rounds to less than \$100,000,000
- b. Rounds to less than 1,000

 - Gross estate size distribution obtained by using the face value of life insurance.

 Gross estate (using equity value of life insurance) less Debts and mortgages, column 14 less column 15.
 - ++ See footnote 21.

Table 2. DERIVATION OF NATIONAL BALANCE SHEET FOR INDIVIDUALS BY TYPE OF PROPERTY FOR MID-YEAR 1958 AND 1953

PART I -- MID-YEAR 1958

	Nonfarm	Farm	Nonfarm	_	Nonprofit	Individ	
Type of Property	house hold	house hold	noncor- porate	Trust funds	institu- tions	Total wealth	Prime wealth
1			businesses	2:11:			
	(4)	(0)		Billion dollar		(6)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Real estate, total	452.8	113.5	63.4		30.4	599.3	599.3
Residential structures	338.6	18.1	16.1	_'	-	-	_
Nonresidential structures	25.3	15.8	24.8	_	25.3	_	_
Land	88.9	79.6	22.5	_	5.1	_	_
)		, 1		;	j	
Federal bonds, total	59.7	4.9	-	2.7	1.7	62.9	60.2
Short-term	3.9	-	-	-	-	-	-
Savings bonds	43.5	4.9	-	-	-,	· –	-
Other Federal bonds	12.3	-	- }	-	-	-	-
State and local bonds	24.1	_	-	7.8	0.6	23.5	15.7
Other bonds	11.0		_	2.9	3.2	7.8	4.9
						}	
Corporate stock, total	299.6	_	-	33.3 1.5	9.0 0.8	290.6	257.3
Preferred	10.4 289.2	_	-	31.8	8.2	_1	_
Common	205.2	_	-	31.0	6.2	_	_
Cash, total	193.6	8.6	12.9	0.4	5.3	209.8	209.4
Currency and demand deposits	59.9	5.8		0.4	5.3		-
Other deposits	133.7	2.8		_	-	-{	-
Notes and mortgages, total	28.9		16.1	0.7	0.4	44.6	43.9
Residential	12.4		.}}	_	_	_)	
Nonresidential	9.4		1 _1	_	_}	_]	
Farm mortgages	4.4		-	_	-}	_	
Consumer credit	_		4.8	_	l – l	- }	-
Trade credit	_	_	11.3	' -	-	- ∤	
Other loans	2.7	_	-	_	-	-	•
Life insurance reserves	96.8	6.2	_	_	-	103.0	103.
Pension and retirement funds:							
Private	25.0		· -	_	}	25.0	-
Government	65.0	0.4	-	_	-	65.5	-
Miscellaneous assets, total	172.5	56.4	43.5	1.9	1.9	270.5	268.
institutions	7.7		.}!	_	<u> </u>	_	
Producer durables	2.0	17.4	26.7	_	1.9	_	•
Consumer durables	162.2	13.3		-	¦ _∤	-	
Inventories		22.2		_	j - l	-	
Other intangible assets	0.6	3.5	·\i	0.6	-	-1	•
Other tangible assets		-	-	1.3	-	-	•
Gross assets	1,429.1	190.0	135.9	49.7	52.5	1,702.5	1,562.
Debt	170.2	19.0	39.1	_	5.5	222.8	222.
Economic estate	1,258.9	171.0	96.8	49.7	47.0	1,479.7	1,339.

Personal Wealth Studies

Table 2. DERIVATION OF NATIONAL BALANCE SHEET FOR INDIVIDUALS BY TYPE OF PROPERTY FOR MID-YEAR 1958 AND 1953—Continued

PART II -- MID-YEAR 1953

	Nonfarm	Farm	Nonfarm	_	Nonprofit		riduals
 Type of Property 	house	house	noncor-	Trust	institu-	Total	Prime
	hold	hold	porate	funds	tions	wealth	wealth
	1 11 1	1	businesses]
	1	1		Billion dollar	s)		
	(1)	(2)	(3)	(4)	. (5)	(6)	(7)
5	0004	1		·			
Real estate, total	1	91.5	49.0	_	20.3	450.3	450.
Residential structures		16.0		_]
Nonresidential structures	17.0	į.		-	17.0	-	· ·
Land	58.3	62.3	17.3	· -	3.3	-	
	00.0				1	00.4	
Federal bonds, total	60.3	4.5	j. –	5.5	1.7	63.1	57.
Short—term	1.8	1 .=	_			_	. •
Savings bonds	46.4	. 4.5	_	-	_	, –	
Other Federal bonds	12.1	` -	-	, –	-	-	A '
<u>and the second of the second </u>	1 :	·	}·: →				:
State and local bonds		_		5.3	0,4	16.0	10.
Other hands	6.3	_	· <u>·</u>	1.9	1.8	4.5	. 2.
Other bonds	0.3	L: 1.	}	1.5	1.0	4.5	ے.
Corporate stock, total	162.9	<u> </u>	_	19.6	5.1	157.8	138.
Preferred		<u> </u>	ì _ i	1.6	0.7	_	
Common	153.5	ĺ –	- 1	18.0		_	
your and a second	100.0		} :	10.0	, , , , , ,		
Cash, total	141.8	8.3	10.4	0.6	3.9	156.6	156.
Currency and demand deposits		6.0	10.4	0.6		-	
Other denosits	85.1	2.3	_	_	_		
Other deposits	, , ,						
Notes and mortgages, total	20.4	-	12.8	0.8	0.3	32.9	32.
Nonfarm mortgages:				1	} . }	· .	
Residential		-		_	_	_	· · ·
Nonresidential	6.2	_	_	. . –	_	_	•
Farm mortgages	3.1	_	_	_	'_	_	
Consumer credit	_	_	4.1	_	_	_	
Trade credit	ī	_	8.7		l _	_1	
Other loans		l.,	_	-	lļ		
		<i>H</i> .		•			
Life insurance reserves	70.4	4.9	. : ' <u>-</u>	<u> </u>		75.3	75.
	1	Ý.					1 4
Pension and retirement funds:	ļ. ·	}		·].		
Private	10.5	_		_	_]	10.5	
Government	50.3	1 /		_		50.8	
]	0.5				00.0	
Miscellaneous assets total	/123.7	51.6	33.2	1.9	1.0	207.5	205.
Equity in mutual financial	1.20.	0	35.2	r		201.0	
institutions	4.8	_	_	· _	· _		
Producer durables	1.0	15.7	18.2	_	1.0		
Consumer durables	117.3	13.2	10.2				
Inventories	177.5	20.0	15.0	_		_	
Other intangible assets	0.6	2.7	15.0	0.6		· _	,
Other tangible assets	0.0	2.7	T	1.3	_		
Other tangible assets		_	[,1.3			, '
Gross assets	993.1	# 161.3	105.4	35.6	34.5	1,225.3	1,128.
Debt	98.3	14.1	24.6	_	3.2	133.8	, 133.
	00.0	''	[27.0	-	J.E	100.0	100.
Economic estate	894.8	147.2	80.8	35.6	31.3	1,091.5	994.
	0.07	17//					7.7

Notes for Table 2

Column 1, Nonfarm households, is the average of end-of-year asset values: for 1953, end-of-year, 1952 and 1953; for 1958, end-of-year 1957 and 1958 from Goldsmith, Studies in the National Balance Sheet, Vol. II, pp. 118f. Nonfarm noncorporate business assets of individuals are not included in column 1, but shown as a separate sector, Nonfarm Noncorporate Businesses, in column 3.

Column 2, Farm households, was derived by averaging Goldsmith's year-end values for his agriculture sector, Studies in the National Balance Sheet, Vol. II, pp. 132f: for 1953, end-of-year 1952 and 1953; for 1958, end-of-year 1957 and 1958. The values obtained were then reduced by 5 percent to eliminate corporate farms. The basis for this adjustment is Mary M. B. Harmon, A Statistical Summary of Farm Tenure, Agriculture Research Service, U.S.D.A., 1958, p. 2, which shows five percent of farm acreage was owned by corporations in 1954. Discussions with personnel of the Department of Agriculture and the Bureau of the Census who deal with agricultural data cast doubt upon the assumption that only five percent of the value of farm assets is owned by corporations. It is suspected that the five percent of farm acreage owned by corporations is above average in value and that corporate farms are more capital intensive than the average. However, for lack of hard data to support a further reduction in Goldsmith's agriculture sector, assets were reduced by only five percent.

Column 3, Nonfarm noncorporate businesses, is an average of Goldsmith's end-of-year asset values for such businesses from Studies in the National Balance Sheet, Vol. II, pp. 126f.

Column 4: The assets and liabilities of trust funds, all of which are included in the nonfarm household sector, are listed separately here as the trust sector. Trust funds, for 1958 is an average of common trust funds for 1957 and 1958 from Goldsmith, Studies in the National Balance Sheet, Vol. II, pp. 122f, plus the values for personal trust funds from the "Report of National Survey of Personal Trust Accounts," (ABA mimeo., 1959) p. 4. For 1953, trust funds is the average of Goldsmith's year-end values for 1952 and 1953 for personal and common trust funds combined, Studies in the National Balance Sheet, Vol. II, pp. 122f

Column 5, Nonprofit institutions, was derived by applying to the mid-year asset values of nonfarm households (column 1) the percent that each asset held by nonprofit institutions in 1949 was of that asset held by households in 1949. See Goldsmith, A Study of Savings in the United States, Vol. III, p. 72 This ratio estimating procedure was made necessary because 1949 is the last year for which Goldsmith estimated a nonprofit sector. Goldsmith points out in the preface page to the 1949 nonprofit sector balance sheet, the estimates are rough approximations: "Whoever reads the notes to the tables -- or has worked in the field -- will be aware of how precarious the estimates are...," (Ibid. p. 449.). In spite of the roughness of the 1949 estimate, it is appropriate to use the estimate of the outstanding authority in the field as a basis to adjust downward the assets of the nonfarm household sector, which are known to be too high.

Column 6: To arrive at the total wealth concept for the individual sector, the assets and liabilities of farm households and unincorporated businesses were added to, and those of nonprofit institutions were subtracted from, the nonfarm household sector. (The assets and liabilities of trust funds are already included in the nonfarm household sector.) Thus Individuals total wealth is the sum of columns 1,2, and 3, minus column 5.

Column 7: To obtain a prime wealth individual sector, assets of trust funds and pension reserves were subtracted from total wealth. Thus Individuals prime wealth is the sum of columns 1, 2, and 3, minus columns 4 and 5 and minus private and government pension and retirement funds.

Table 3. TOP WEALTH-HOLDERS SHARE IN NATIONAL BALANCE SHEET ACCOUNTS BY TYPE OF PROPERTY FOR 1958 AND 1953

		1958			1953				
	Individuals		Share		Individuals	Share			
	Тор	national	of top	Тор	national	of top			
Type of Property	wealth-	balance sheet	wealth-	wealth-	balance sheet	wealth-			
	holders *	prime wealth **	holders	holders *	prime wealth **	holders			
		n dollars)	(Percent)		n dollars)	(Percent)			
. [(1)	(2)	(3)	(4)	(5)	(6)			
Real estate	115.7	599.3	19.3	. 70.1	450.3	15.6			
Federal bonds	16.3	60.2	27.1	17.4	57.6	30.2			
State and local bonds	12.2	15.7	77.7	10.8	10.7	100.9			
Other bonds	3.7	4.9	75.5	2.8	2.6	107.7			
		.i. :			•				
Corporate Stock	195.4	257.3	75.9	105.7	138.2	76.5			
Cash	39.5	209.4	18.9	44.6	156.0	28.6			
Notes and mortgages	17.9	43.9	40.8	10.5	32.1	32.7			
Life insurance equity	13.3	103.0	12.9	++ 7.1	75.3	9.4			
Miscellaneous assets +	57.9	268.6	21.6	39.6	205.6	19.3			
	,					1			
Gross assets	472.0	1,562.3	30.2	309.2	1,128.4	27.4			
	<u> </u>	,		14.5					
Debt	42.9	222.8	19.3	27.7	133.8	20.7			
Economic estate	429.0	1,339.5	32.0	281.5	994.6	28.3			
		.,000.0	- "	201.0	304.0	, 20,0			

Detail may not add to total because of rounding.

- * For 1958, the value of all top wealth—holders wealth based upon decedents of known and unknown age with \$60,000 or more gross estate. For 1953, basic variant, a concept used by Lampman to include the value of all top wealth—holders wealth based upon decedents of known and unknown age for whom estate tax returns were filed. Conceptually these valuations were made in the same way except that Lampman included the value resulting from the blow—up of the wealth of 23 decedents with gross estates of less than \$60,000. The insignificance of this difference will be realized by noting that the total wealth of the living attributable to the 23 decedents with less than \$60,000 gross estate in Lampman's estimate is \$79,000,000 or .02 percent of his \$309,203,000,000 basic variant. Amounts shown in column 4 are from Lampman, op.cit., pp. 191f.
 - ** Prime wealth estimates are from table 2. For the derivation of these estimates see the notes to that table.
- + Top wealth-holders "Miscellaneous assets" includes annuities and the national balance sheet estimates excludes Pension and retirement funds to achieve comparability with Lampman. The annuity figure for 1958, \$19.8 billion, (shown in table 1) was adjusted to \$2.7 billion before being included in miscellaneous assets. See footnote 21:
- ++ The value of life insurance equity shown by Lampman in table 90 (Lampman, op. cit. pp. 192f) appears to be incorrect. The correct value is believed to be at least \$8.7 billion. He shows \$8.7 billion in table 23, Ibid., p. 51, before an addition for the estate of decedents with age unspecified. Because, a negative value for insurance equity for the age unspecified group is not possible, we assume this figure to understate by at least 1.6 billion the basic variant value of life insurance equity of top wealth—holders. Based on a value of \$8.7 billion, the share of top wealth—holders in life insurance equity in 1953 would be 11.6 percent.

Table 4. SHARE OF TOP ONE PERCENT OF WEALTH-HOLDERS IN NATIONAL BALANCE SHEET ACCOUNTS MID-YEAR 1958 AND 1953

	Top One Percent of Wealth-holders			
Type of Property	1958 *	1953		
	(Percent)			
Real estate	15.7	15.3		
Federal bonds	22.8	30.2		
State and local bonds	76.4	100.9		
Other bonds	69.4	107.7		
Corporate Stock	71.0	76.0		
Cash	15.2	28.1		
Notes and mortgages	35.1	31.5		
Life insurance equity		9.3		
Miscellaneous assets 3*	18.8	18.5		
Gross assets	26.7	26.1		
Debt	. 17.2	20.5		
Economic estate	28.1	27.8		
Economic estate				
	L			

Based on asset holdings after adjustment for special case. See notes to table 3.

Table 5. SHARE OF TOP ONE PERCENT OF ADULTS IN NATIONAL BALANCE SHEET ACCOUNTS. SELECTED YEARS 1922 TO 1958

Year	Share of Top One Percent of Adult Wealth-holders
	(Percent)
1922	31.6
1929	36.3
1933	·
1939	30.6
1945	23.3
1949	20.8
1953	24.3
1954	24.0
1956	26.0
1958	23.8

NOTE: All figures execept that for 1958 are from Lampman, op. cit. p. 204. The percent of basic variant wealth owned by the top one percent of adult wealth—holders for the years 1922 through 1956 was computed by Lampman on the basis of his balance sheets. The 1958 share is based on the balance sheet presented in this study. No adjustment has been made for Lampman's 1953 estimates which overstated the gross estate of the age unknown group and understated life insurance equities. See notes to table 3.

by top wealth-holders in perspective, their total number can be compared to the total population. On July 1, 1958, according to the Bureau of the Census, the population of the United States was 174.9 million. Top wealth-holders according to our estimate numbered 2.6 million. Therefore, in 1958 1.5 percent of the population held 32 percent of net prime wealth owned by all individuals in the United States.

For a comparison of the shares of top wealthholders in 1953 and 1958, table 3 also shows Lampman's 1953 estimates as a percent of the mid-1953 balance sheet.22 The shares of real estate, notes and mortgages, and life insurance equity held by top wealth-holders appear to have increased since 1953. Federal bonds, corporate stock, and miscellaneous assets appear to represent about the same proportion of their respective totals in 1958 as they did in 1953. State and local bonds, other bonds, and cash represent lesser shares in 1958 than in 1953. The fact that large sampling variability may attach to individuals assets, particularly those with small aggregates such as municipal and "other" bonds which tend to be held by a very small number of persons, demands caution in interpreting differences between 1953 and 1958. It is unlikely that a large swing in the share of a particular asset owned by top wealth-holders occurred in a period as short as five years.

The most reliable estimates are those for gross and economic estate. Table 3 shows that top wealth-holders owned 27.4 percent of gross and 28.3 percent of net prime wealth in 1953, but increased their share to 30.2 and 32.0 percent respectively by 1958. These data support Lampman's conclusion that the share of top wealth-holders has been increasing since 1949.²³

The increased share of top wealth-holders in prime wealth between 1953 and 1958 is probably understated. Because of what appears to be an arithmetic error, Lampman included \$16.4 billion in gross estate as the blow-up of assets of decedents of unknown age. The correct amount according to the procedure described by Lampman should be \$7.6 billion. If \$7.6 billion is taken as the correct estimate of gross estate for the age

unknown group, then his estimate for all wealth-holders would be reduced to \$300.4 billion. On this basis, the share of top wealth-holders in national balance sheet gross prime wealth in 1953 would have been 26.6 percent compared to 30.2 percent in 1958.

But in order to get at the concentration of wealth, a constant percentage of the population should be considered. The proportion of the total population represented by top wealth-holders has been increasing. In 1953 the group consisted of approximately 1.66 million persons, or about 1.04 percent of the total U.S. population. In 1958 the number of persons had risen to 2.60 million or 1.48 percent of the total population.

Table 4 shows the percent of each asset in total prime wealth owned by the top 1 percent of all wealth-holders. In the aggregate, the wealthiest strata have at least maintained their share position of 1953. With respect to specific assets, the top 1 percent of wealth-holders held about the same share of real estate, corporate stock, notes and mortgages, life insurance equity, and miscellaneous assets in 1958 as in 1953. The share of all types of bonds in the hands of the top 1 percent of wealth-holders declined as did cash holdings.

A longer perspective of the concentration of wealth is available if one uses Lampman's data for the top 1 percent of adults. Table 5 shows the proportion of wealth held by the top 1 percent of persons over 20 years of age from 1922 to 1958. The estimate of 23.8 percent for 1958 is slightly lower than Lampman's estimates for 1953, 1954, and 1956. When it is remembered that there are differences in the balance sheet used for 1958 and for other years, that sampling errors exist in all the estimates, and that the wealth of the age unknown is overstated in 1953, one is forced to look at the whole series of estimates to assess changes in the concentration of wealth. Doing this, it appears that over the period of these estimates [wealth] was most highly concentrated in the 1920's, decreased in concentration during the depression and war years, and has been increasing since 1949. Lampman has already pointed out this movement in concentration, we merely add the most recent data in support of his observation.²⁶

The 1962 Internal Revenue Service Estimates

The first IRS estate multiplier study will be published in 1966.²⁷ Besides updating past estimates it will incorporate technical improvements in mortality rates and insurance valuation. Decedent of unknown age will be imputed the average age of all decedents of the same sex in the same size of gross estate class.

Data from the study "Social and Economic Differentials in Mortality Rates" being done by Hauser at the University of Chicago will be used to evaluate and probably adjust age-sex-specific mortality rates.

The adjustment for life insurance proceeds will be made on the basis of a special study being done for the IRS by the Institute of Life Insurance. A return filed for an estate which includes life insurance proceeds must provide a statement of the face value, policy loans, accumulated dividends and proceeds (among other things) for each life insurance contract on the life of the decedent. The information is supplied by attaching to the return a Form 712 completed by the carrier. Unfortunately, cash surrender value has not been one of the items of information requested. The Institute of Life Insurance, however, collected from a group of companies cash surrender value and age of decedent as well as all the information requested in Form 712 each time the form was completed during a recent two-month period. The Institute plans to tabulate ratios of cash surrender value to proceeds by age group. This set of ratios will be used to reduce the life insurance proceeds of decedents in each age group for the 1962 estimate. The decedents for whom the information is being tabulated are not, of course, those for whom estate tax returns were filed in 1963. Our assumption is that the ratios do not vary much from year to year.

The IRS study will cross-classify top wealth-holders' gross and net wealth by size, age, sex, marital status, State, and type of asset. Of particular interest to social scientists will be the distributions by net wealth after adjustment of life insurance to equity value. These distributions will permit better estimates of the concentration of wealth than has been possible with the "size of

gross estate" classification used in earlier estimates.

Future Application of the Estate Multiplier in the U.S.

In presenting the following ideas we wish to emphasize they represent the thinking of the authors and of scholars who have worked in the field, not the official position or plans of the IRS and Treasury.

The estate tax returns are an underdeveloped source of economic information. True, successive applications of the estate multiplier have expanded the number of questions asked of the returns, but their full potential is far from exploited.

What is the propensity of top wealth-holders for financial risk? Does increased wealth shift portfolio composition toward growth stocks? How significant is the closely held corporation? Since estate tax returns provide security information on an issue-by-issue basis, indices could be devised to provide answers to these questions.²⁸

What are the occupational characteristics of top wealth-holders? Occupation and social security number of the decedent are contained in the return. A cross-sectional occupation pattern may be obtainable directly from the returns; the life cycle pattern might be obtained by a social security number match with SSA work history records. Further, wealth-holding by occupational groups could be estimated.²⁹

What is the income of top wealth-holders? What is the income of the heirs? Using social security numbers, estate tax returns can be matched with previous income tax returns, thus putting together the income flow and wealth stock. A slight modification of the estate tax returns would make possible a study of the intergenerational flows by wealth and income of decedents, and income of heirs.

What is the relation between inter vivos giving and transmission of assets at death? What are the effects of the creation of inter vivos and testamentary trusts? The addition of grantors' and

donors' social security numbers on fiduciary and gift tax returns would permit a computer match of these returns with estate tax returns.

For further applications of the estate multiplier to U.S. data certain methodological improvements constitute the immediate needs. The tabulation of returns for four or five consecutive years, sorted by year of death, would minimize the error caused by the assumption of inferred year of death. It would also permit a reduction of sampling variability by combining returns for two or more years.

Reporting by life insurance companies of cash surrender value for each contract in the estates of decedents for which an estate tax return is filed would vastly improve estimates of life insurance equity.

Further research to improve mortality rates assigned to decedents filing estate tax returns should be undertaken. One path is that of relating death to income size. Another would be an exploration of the information on the cause of death (supplied by a physician) and occupation contained in the return.

FOOTNOTES

- 1. See Dorothy S. Projector, "Survey of Financial Characteristics of Consumers," <u>Federal Reserve Bulletin</u>, March 1964, p. 289.
- See Constantine A. Yeracaris, "Differential Mortality, General and Cause Specific in Buffalo, 1934-41, "Journal of the American Statistical Association, December 1955; Louis I. Dublin, Alfred J. Lotka, and Mortimer Spiegelman, Length of Life; A Study of the Life Table, New York: The Ronald Press, 1949; I.M. Moriyama and L Guralnick "Occupational and Social Class Differences in Mortality" in Trends and Differentials in Mortality, proceedings of the 1955 Annual Conference, Milbank Memorial Fund. Unpublished statistics provided by the Department of Health, City of New York, show mortality rates for high income health districts to be significantly lower than those

for low income districts.

- 3 C. Lowell Harris, "Wealth Estimates as Affected by Audit of Estate Tax Returns," National Tax Journal, December 1949, p. 333.
- 4. The interval devolution method estimates total wealth by multiplying the wealth of decedents by the average interval, in years, between generations. A discussion of attempt to use the interval devolution method will be found in G.H. Knibbs, The Private Wealth of Australia and its Growth, Melborne: McCarron, Bird and Co., 1918, pp. 168-81.
 - T. A. Coughlin's suggestion is found in the discussion of a paper W. J. Harris and K. A. Lake, "Estimates of the Realizable Wealth of the United Kingdom Based Mostly on Estate Duty Returns," <u>Journal of the Royal Statistical Society</u>, December 1906, pp. 709-32.
- 5. Bernard Mallet, "A Method of Estimating Capital Wealth from Estate Duty Statistics,"

 <u>Journal of the Royal Statistical Society</u>,

 March 1908, pp. 65-84.
- 6. Victorian Yearbook, 1911-12, p. 216.
- 7. Knibbs, op. cit.
- 8. G.W. Daniels and H. Campion, <u>The Distribution of National Capital</u>, Manchester: Manchester University Press, 1936; and H. Campion, <u>Public and Private Property</u>, Oxford: Oxford University Press, 1939.
- 9. Kathleen Langly, "The Distribution of Capital in Private Hands in 1936-1938 and 1946-1947," Bulletin of the Oxford University Institute of Statistics, December 1950, p. 339 and February 1951, p. 33; and Kathleen Langly, "The Distribution of Private Capital, 1950-51," Bulletin of the Oxford University Institute of Statistics, January 1954, p. 1.
- 10. A.M. Cartter, "A New Method of Relating British Capital Ownership and Estate Duty Liability to Income Groups," <u>Economica</u>,

- August 1953, p. 247.
- 11. H.F. Lydall and D.G. Tipping, "The Distribution of Personal Wealth in Britain," <u>Bulletin of the Oxford University Institute of Statistics</u>, January 1961, p. 96.
- 12. J.R.S. Revell "Assets and Age," <u>Bulletin of the Oxford University Institute of Statistics</u>, March 1962, p. 363. Revell further analyzes the 1957 and 1958 British data in his forthcoming monograph on national balance sheets, now in manuscript.
- 13. Report of the Commissioners of Her Majesty's Inland Revenue for the Year Ended 31st March 1961, London: Her Majesty's Stationary Office, 1962, pp. 154-160.
- 14. Horst Mendershausen, "The Pattern of Estate Tax Wealth," in Raymond W. Goldsmith, Dorothy S. Brady, and Horst Mendershausen, <u>A Study of Savings in the United States</u>, Vol. III Princeton: Princeton University Press, 1956.
- 15. <u>Ibid</u>., p. 299.
- 16. Robert J. Lampman, <u>The Share of Top</u> <u>Wealth-holders in National Wealth 1922-56</u>, Princeton: Princeton University Press, 1962.
- 17. Moriyama and Guralnick, op. cit.
- 18. James D. Smith, unpublished research submitted to the University of Oklahoma in connection with a doctoral dissertation. The original estate multiplier estimate by Smith was based upon tabulations in Statistics of Income--1958, Fiduciary, Gift, and Estate Tax Returns, and the composition of wealth by asset type was estimated by a different technique. However, Jeannette Fitzwilliams and Raymond W. Goldsmith generously made available a special Internal Revenue Service tabulation (upon which considerable work toward an estate multiplier estimate had been made by Fitzwilliams) which permitted the direct estate multiplier estimate of asset composition in table 1.

- 19. Raymond W. Goldsmith, Robert E. Lipsey and Morris Mendelson, <u>Studies in the National Balance Sheet</u>.
- 20. Lampman, op. cit., pp. 191-5.
- 21. The occurrence of such a high value may merely reflect the excessive sampling variability attaching to a rare event, or it may have been the result of faulty transcription in processing the returns by the Internal Revenue Service. An attempt to check the Internal Revenue transcription was frustrated by the fact that the edit sheets and punch cards used in the tabulation of the 1958 returns had been destroyed.
- 22. The major differences in the 1953 Lampman balance sheet and that constructed for this study are: 1. Lampman used end-of-year values. 2. Lampman apparently allocated assets to trust funds on the basis of the findings reported in Goldsmith and Shapiro's "Estimates of Bank-Administered Trust Funds," Journal of Finance, March 1959, pp. 11-17; the mid-1953 balance sheet uses Goldsmith's later estimates in Studies in the National Balance Sheet and the "Report of Survey of Trust Accounts." 3. Lampman's estimate of 16.1 billion "equities in mutual financial institutions" held by the household sector appears far too large in comparison with Goldsmith's National Balance Sheet entry of \$4.8 billion.
- 23. Lampman, op. cit., p. 24.
- 24. Lampman, op. cit., p. 62.
- 25. See Lampman, op. cit., p. 55. In discussion with Lampman he has stated to Smith that he was unable to reconcile the \$16.4 billion shown in his table 29 with the procedure described on page 55 of The Share of Top Wealth-Holders, but that the procedure should yield the correct estimate for the age unknown group.
- 26. Lampman, op. cit., p. 24.

- 27. Yeoman labor in preparing the specifications for the IRS estimate was done by Jeannette Fitzwilliams. She also, with Robert Lampman and Raymond Goldsmith, contributed to the initial planning of the project, at the request of the late Ernest Engquist, Director of the Statistics Division. Helen Demond with assistance from Jeannette Fitzwilliams drafted specifications for the project.
- 28. See, for instance, I. R. Atkinson, <u>The Pattern of Financial Asset Ownership: Wisconsin Individuals</u>, 1949, Princeton: Princeton University Press, 1956.
- 29. See Leonard Hamilton, "The Distribution of Capital Among the Medical Profession in England and Wales, 1940-41," <u>Bulletin of the Oxford University Institute of Statistics</u>, January 1950, p.1.

Technical Appendix*

The estate multiplier technique rests on the assumption that death draws a random sample, stratified by age and sex, of the living population.

If one has available age-sex-specific mortality rates, an estimate of total wealth can be derived as:

$$W = \sum_{i=1}^{m} \sum_{j=1}^{2} \frac{V_{ij}}{M_{ij}} W_{ij}$$

where w_{ij} is the wealth of decedents, V_{ij} is the number of living persons, and M_{ij} is the number of deaths, all associated with the ith age and jth sex. Decedents' wealth can be dimensioned to any degree, subject only to the tolerable sampling error for the purposes to which the estimates are to be put. For instance, w_{ijkg} may be used to represent the wealth of decedents of the ith age, jth sex, of asset type k in the gth gross wealth size class. Using such a four-way classification, there is a partitioned matrix W, such that the distribution of wealth by any combination of the classification categories can be obtained as a result of pre-and/or post-multiplication of W by suitable vectors and/or matrices. The matrix W is defined by W = (t_{ij} w_{ijkg}) where t_{ij} = V_{ij} / M_{ij} and where i = 1, 2, ..., m; j = 1, 2; k = 1, 2, ..., n; g = 1, 2, ..., s.

If we let
$$W_{kg} = \begin{pmatrix} t_{11}w_{11kg} & t_{12}w_{12kg} \\ \vdots & \vdots \\ t_{m1}w_{m1kg} & t_{m2}w_{m2kg} \end{pmatrix}$$
 Then we can write: $W = \begin{pmatrix} w_{11} & w_{12} & \dots & w_{1s} \\ w_{21} & w_{22} & \dots & w_{2s} \\ \vdots & \vdots & \ddots & \vdots \\ w_{n1} & w_{n2} & \dots & w_{ns} \end{pmatrix}$

The following example illustrates how a particular cross-category distribution of wealth may be obtained from W.

For any integer p, let J_p be the p-dimensional column vector of ones. Then, multiplication of W on the left by J'_{mn} gives a 1 X 2s matrix whose elements are column sums of W:

$$J'_{mn}W = [(J'_{m}W_{11} + J'_{m}W_{21} + \dots + J'_{m}W_{n1}), (J'_{m}W_{12} + J'_{m}W_{22} + \dots + J'_{m}W_{n2}), \dots, (J'_{m}W_{1s} + J'_{m}W_{2s} + \dots + J'_{m}W_{ns})]$$

$$= ([\sum_{k=1}^{n} J_{m}W_{k1}], [\sum_{k=1}^{n} J_{m}W_{k2}], \dots, [\sum_{k=1}^{n} J_{m}W_{ks}])$$

^{*} The assistance of Michael G. Billings, Mathematical Statistician, Statistics Division, Internal Revenue Service, is gratefully acknowledged.

Now,
$$J'_{m}W_{kg} = (1, 1, 1, ..., 1)$$

$$\begin{pmatrix}
t_{11}w_{11kg} & t_{12}w_{12kg} \\
t_{21}w_{21kg} & t_{22}w_{22kg} \\
... & ... \\
t_{m1}w_{m1kg} & t_{m2}w_{m2kg}
\end{pmatrix}$$

$$\begin{bmatrix}
t_{11}w_{11kg} & t_{12}w_{12kg} \\
t_{21}w_{21kg} & t_{22}w_{22kg} \\
... & ... \\
t_{m2}w_{m2kg} & t_{m2}w_{m2kg}
\end{bmatrix}$$

Therefore J'mW =

$$([\sum_{k=1}^{n} \sum_{i=1}^{m} t_{i1} w_{i1k1}, \sum_{k=1}^{n} \sum_{i=1}^{m} t_{i2} w_{i2k1}] , [\sum_{k=1}^{n} \sum_{i=1}^{m} t_{i1} w_{i1k2}, \sum_{k=1}^{n} \sum_{i=1}^{m} t_{i2} w_{i2k2}] , \dots, [\sum_{k=1}^{n} \sum_{i=1}^{m} t_{i1} w_{i1ks}, \sum_{k=1}^{n} \sum_{i=1}^{m} t_{12} w_{i2ks}])$$

Each of the s 1 X 2 vectors in $J'_{mn}W$ has as one of its elements the total wealth of females and the other of males in a given wealth class. Thus, the product matrix $J'_{mn}W$ can be thought of as the distribution of total wealth by size of wealth-holding and sex of holder.

Similarly, the distribution of wealth by size of holding, sex and age of holder can be obtained as follows: Let I_{pq} = $(I_p, I_p, I_p, ... I_p)$ be the p-rowed matrix consisting of q p x p identity matrices.

Then, $I_{mn}W=(\sum_{k=1}^n W_{k1},\sum_{k=1}^n W_{k2},\ldots,\sum_{k=1}^n W_{ks})$. The submatrix $\sum_{k=1}^n W_{kg}$ of $I_{mn}W$ has as its ijth component the sum of the wealth size class g held by persons in age group i, sex group j.

The composition of wealth by asset type, age and sex of holder is given by $WI_{2s}' = (\sum_{g=1}^s W_{1g}, \sum_{g=1}^s W_{2g}, \dots, \sum_{g=1}^s W_{ng})'$. The submatrix

 $\sum_{g=1}^{s} W_{kg}$ of WI'_{2s} has as its ijth component the value of asset type k held by persons of age group i, sex group j.

Once the matrix W has been set-up, any desired distribution of wealth using the selected variables can be extracted by choosing the appropriate vector and/or matrix multipliers. The following definitions and table summarize the multipliers which would be used to obtain the various breakdowns in our four-way classification.

Definitions of the multipliers:

- 1. For any integer p, J_p is the column vector of p ones.
- 2. For any integers p and q, I_{pq} is the p-rowed matrix which can be partitioned into q p x p identity matrices:

$$I_{pq} = (I_p, I_p, I_p, \dots I_p)$$

- 3. For any integers m, n, p, p \leq n, J^p_{nm} is the n x m matrix whose pth row is J'_m, where J_m is defined in (1).
- 4. For any integers m, n, K_{nm} is the n \times nm matrix which can be partitioned as follows:

$$K_{nm} = (J_{nm}^1, J_{nm}^2, J_{nm}^3, ..., J_{nm}^n)$$
, where J_{nm}^p is defined in (3).

With the matrices, vectors, and their transposes, defined above, any desire cross-classified wealth distribution can be obtained from W. If we think of W as an hierarchy of classification, we can write W = asset (age-sex) size. Then,

- 1. Multiplication of W on the left by I_{mn} eliminates an asset.
- 2. Multiplication of W on the right by I'2, eliminates size.
- 3. Multiplication of W on the left by Kmm eliminates age.
- 4. Multiplication of W on the right by \overline{K}'_{s2} eliminates sex.
- 5. Multiplication of W on the left by J'ma eliminates asset and age.
- 6. Multiplication of W on the right by J_{2s} eliminates size and sex.
- 7. Sequential eliminations are obtained by performing operations in sequence (see table below).

MATRIX MULTIPLIERS, OPERATIONS AND PRODUCTS

Mul	tipliers			Product gives
eft	Right	Eliminates	Product	wealth-holding by
m n	-	Asset, age	$J'_{mn}W$	Sex, size
	$\mathbf{J}_{\mathbf{2s}}$	Sex, size	WJ_{2s}	Asset, age
1	-	Asset	$I_{mn}W$	Age, sex, size
•	ľ'2s	Size	Wl' _{2s}	Asset, age, sex
m	-	Age	$K_{nm}W$	Asset, sex, size
	K' _{2a}	Sex	WK's2	Asset, age, size
1	K'28	Asset, sex	$I_{mn}WK'_{s2}$	Age, size
m	I' ₂₈	Age, size	K _{nm} WI' _{2s}	Asset, sex
	I' _{2s}	Asset, size	ImWI'2s	Age, sex
<u>.</u> 1	J ₂₅	Asset, size, sex	$I_{mn}WJ_{2s}$	Age
nn.	ľ' _{2s}	Asset, age, size	J'mnWI'28	Sex
nn	K' _{s2}	Asset, age, sex	J'mnWK's2	Size
m	J_{2s}^{2s}	Age, sex, size	$K_{mm}WJ_{2n}$	Asset
m m	K',2	Age, sex	K,,,WK',	Asset, size

,									1.	
	$t_{11}w_{1111}$	$t_{12} w_{1211}$		$t_{11}w_{1112}$	$t_{12}W_{1212}$			$t_{11}w_{111s}$	$t_{12} w_{121s}$	
	$t_{21}w_{2111}$	$t_{22}w_{2211}$		$t_{21} w_{2112}$	$t_{22}W_{2212}$			$t_{21} w_{211s}$	$t_{22}w_{221s}$	\
	• •		.			* *	*	•		\
/ /	•		•					•	.]	\
/ /		.	1	•	.]) ()	.]	
	$t_m w_{m111}$	$t_{m2}w_{m211}$	'	$t_{m1}w_{m112}$	$t_{m2}w_{m212}$			$t_{m1}w_{m11s}$	t _{m2} w _{m21s}	\
			٠,			•	- 5			1.
							. ;			\
						,		• ,	• • •	1
	$t_{11}w_{1121}$	$t_{12} w_{1221}$		$t_{11}w_{1122}$	$t_{12}w_{1222}$		· · · · · · · · · · · · · · · · · · ·	$t_{11}^{t_{11}w_{112s}}$	$t_{12} w_{122s}$	1
	$t_{21}w_{2121}$	$t_{22}w_{2221}$		$t_{21} w_{2122}$	$t_{22} w_{2222}$			$t_{21}w_{212s}$	$t_{22}w_{222s}$	·
					• .	* *	*			
,				•	•				.	
	1 .	1		١.		1		1 .	/	
	1	· 1						1.		
	$t_{m1}w_{m121}$	$t_{m2}w_{m221}$		$t_{m1}w_{m122}$	$t_{m2}W_{m222}$			$t_{m1}W_{m12s}$	$t_{m2}W_{m22s}$	•
	$t_{m1}W_{m121}$	$t_{m2}W_{m221}$		$t_{m1}W_{m122}$	t _{m2} W _{m222}			$t_{m1}W_{m12s}$	t _{m2} W _{m228}	
	t _{m1} W _{m121}	t _{m2} W _{m221}	• .	t _{m1} w _{m122}	t _{m2} W _{m222}			$t_{m1}W_{m12s}$	t _{m2} w _{m22s}	
	t _{m1} w _{m121}	t _{m2} W _{m221}		$t_{m1}W_{m122}$	t _{m2} W _{m222}			t _{m1} W _{m12s}	t _{m2} W _{m22s}	
	t _{m1} W _{m121}	t _{m2} W _{m221}		t _{m1} w _{m122}	t _{m2} W _{m222}			t _{m1} W _{m12s}	t _{m2} W _{m228}	
	t _{m1} W _{m121}	t _{m2} W _{m221} *		t _{m1} w _{m122} *	t _{m2} W _{m222}			t _{m1} w _{m12s}	t _{m2} W _{m22s} *	
	t _{m1} W _{m121}	t _{m2} W _{m221}		t _{m1} W _{m122} *	t _{m2} W _{m222}			t _{m1} w _{m12s}	t _{m2} W _{m22s} *	
		*		*					*	
	t ₁₁ w _{11n1}	* * t ₁₂ w _{12n1}		* * * * * * * * * * * * * * * * * * *	$t_{12}w_{12n2}$			1 ^t 11 ^W 11n2	* * t ₁₂ W _{12ns}	
	t ₁₁ w _{11n1}	*		* * * * * * * * * * * * * * * * * * *					* * t ₁₂ W _{12ns}	
	t ₁₁ w _{11n1}	* * t ₁₂ w _{12n1}		* * * * * * * * * * * * * * * * * * *	$t_{12}w_{12n2}$	* *		1 ^t 11 ^W 11n2	* * t ₁₂ W _{12ns}	
	t ₁₁ w _{11n1}	* * t ₁₂ w _{12n1}		* * * * * * * * * * * * * * * * * * *	$t_{12}w_{12n2}$	*		1 ^t 11 ^W 11n2	* * t ₁₂ W _{12ns}	
	$t_{11}w_{11n1} \\ t_{21}w_{21n1} \\ \cdot$	* * t ₁₂ w _{12n1}		$t_{11}^{W_{11n2}}$ $t_{21}^{W_{21n2}}$	$t_{12}w_{12n2}$	* *		1 ^t 11 ^W 11n2	* t ₁₂ W _{12ns} t ₂₂ W _{22ns}	

Historical Perspectives on IRS Wealth Estimates With a View to Improvements

by Fritz Scheuren, Ph.D.

My role, in these few minutes Jim Smith has given me, is to provide a short history of IRS estimates of wealth and their limitations. Let me begin with a little background on how IRS started making estate multiplier wealth estimates in 1962. Then we'll look briefly at the handout which you have. This contains the details of exactly what was done and why. Finally, I'd like to reflect with you on the experience.

Contributors to IRS Wealth Estimates

So think back with me to the early 60's. Under the late Ernie Engquist, the IRS Statistics Division, at the suggestion of Raymond Goldsmith, agreed to try to repeat for 1962 the wealth estimation procedures that Robert Lampman had used in his work for 1953. A number of people played important roles in the early planning, including Helen Demond, Jeanette Fitzwilliams, and Dave Cassidy. Jim Smith joined the Statistics Division for a while in 1965-66 and contributed his experience on the 1958 estate tax wealth estimates he had made. He continued to contribute as a technical consultant thereafter. While at IRS, Jim helped set up a cooperative effort to determine the equity values of the life insurance reported on Federal estate tax returns. This study was carried out at the Institute of Life Insurance under the direction of Virginia Holran and Robert Chiapetta.

The late Mortimer Spiegelman at Metropolitan Life also acted as a technical consultant, since Metropolitan Life's policyholder experience played an integral part in the construction of the estate multipliers used. The actual estimates and the 1962 report which resulted were prepared by me under the direction of Staunton Calvert and, later, Keith Gilmour.

Since 1962, estate multiplier wealth estimates

have been done routinely at IRS. The work at IRS after 1962 has proceeded under Keith Gilmour and Charlie Crossed, with the very active participation of the Statistics Division's current Director, Vito Natrella.

Description of 1962 Estimates

So much for the credits. Now let me show you a little of the movie. If you will turn to the handout please [see <u>SOI Personal Wealth</u>, 1962].

The paper you have presents a general summary description of the assets and demographic characteristics of living individuals with gross holdings of \$60,000 or more in 1962. The focus is on the age, race, sex, and marital status of those "top wealthholders," as well as the size and composition of their wealth.

The estimates of the wealth of the living in the paper are based on Federal estate tax returns filed during 1963 for decedents with a gross estate of \$60,000 or more. Each decedent's estate was weighted by the inverse of the mortality rate appropriate to his age and sex. Adjustments were made for social class mortality differentials using Metropolitan's \$5,000 or more Whole Life experience for men and assuming the mortality differentials between white men and women in the general population held for top wealthholders as well.

Reflection on 1962 Estimation Procedure

Let me now turn to some reflections on the 1962 wealth estimates. There are many lessons to be learned from the 1962 experience which can be helpful in planning future work.

A great deal of thinking, for example, needs to be done about the valuation problems that exist when using estate tax returns to estimate wealth.

Prepared remarks delivered on May 2, 1975, at the Workshop on Estate Multiplier Estimates of Wealth sponsored by the National Bureau of Economic Research. The help of Wendy Alvey, Laverne Rauman, Lois Gale, H. Lock Oh, and Catherine Murphy is gratefully acknowledged.

The wealth concept itself has some unattractive features, in that wealth represented only by an income right is not included. Historical comparisons, particularly concentration estimates, are subject to considerable interpretation problems due to this.

The importance of pension rights, for instance, has grown tremendously in recent years and will become even more important. There is also the effect of transfers in trust which confer an income right on one generation with the remainder interest going to the next. In such cases, the wealth is includable on the Federal estate tax returns only every other generation.

I don't know what can be done about these problems in future estimates, beyond combining the estate multiplier technique with other measuring devices; notably, household surveys which include matching to administrative information (something we are doing a great deal of at Social Security right now).

"Sampling" problems are the area in which I personally have the greatest interest. principally include deriving a better sense of the selection "probabilities" appropriate for the mortality of the wealthy. Standard concerns such as sampling variability (especially for the young and the very rich) and sample control are also very important and have not been given enough attention. I am particularly concerned with the use of a year's filings to represent a year's deaths. Since there is such a long period in which executors can file, a good deal of uncertainty is introduced by not controlling the sample more. (Also, the very largest estates may never even get into the statistics at all because auditors are reluctant to give them up.)

I've always had the suspicion that Lampman got too many returns filed in 1954 for his 1953 estimates because of the law changes which occurred at that time. When one looks at the estate tax filing historically (1945-1973), there do seem to be little extra increases in filings during the period just before major changes in the law go into effect. However, let me add that I have not really looked closely enough at this phenomenon to say whether or not there is anything to the

causal structure I am implying.

The fundamental sampling problem is, of course, what probabilities of selection should we use. I have three things to say about this.

Use of Death Certificates

First, we need to study the mortality of the well-to-do by using the estate tax returns themselves. Unlike any other tax return, the Form 706 has a great deal of demographic information. This, of course, is what makes it attractive as an alternative to household surveys for information on the wealthy. In the past basically only age, sex, and marital status have been edited off the return. Other available data which could be picked up include occupation (even though perhaps only of moderate usefulness except for those under 65), nativity (foreign or native born), cause of death, length of last illness, date and length of widowhood.

The results of a 1965 pilot study on the reporting of these demographic characteristics indicated that, except for cause of death, the response was reasonably good. The proposal I made some time ago, and make again now, which bears on this "cause of death" problem is that the Form 706 be changed to require the executor to submit the death certificate or at least the death certificate number. Since the National Center for Health Statistics (NCHS) codes all U.S. deaths by cause, a computer match with their records would make it possible to obtain this important data item. Except for race, the estate tax return already requires essentially the same information provided on most death certificates, so little if any additional burden is being placed on the executor.

The problems of disclosure in such an arrangement exist and may preclude such a match. As far as I know, NCHS has no problem of this sort. IRS, by providing to NCHS only the date of death and death certificate number, would be disclosing no more than that a particular decedent had an estate tax return filed for him. It may even be possible to buy (or borrow) the NCHS data files and do the matching at IRS.

For literally decades we have been trying to study mortality patterns by socio-economic class.

All sorts of proxies have been used: housing, occupation, income, education, size of insurance. However, it is the estate tax return, itself, which is the best place to look, if not for differential rates, at least for differences in patterns of mortality, in the causes and seasonality of death.

Valuation Study Proposal Sketched

My second point is the following: Certain direct tests should be applied to the mortality differentials that are thought to be appropriate for the estate multiplier. (For example, Jim Smith, in the 1969 work, used 12 different sets of differentials. The choice among these had to be largely subjective.)

The project I have in mind would be carried out jointly by Social Security and Internal Revenue Service, and it could be part of the estate tax program IRS has planned for returns filed in 1977. SSA would provide IRS with a file of 1976 male decedents from its 10 percent Continuous Work History Sample. (For males 35 or older, the reporting of deaths to SSA is about 95% complete. One of the reasons that it is so complete is that, in most cases, the heirs are entitled to a lump sum death benefit of \$255.) IRS would then merge this file with their estate tax file of 1976 decedents. SSA will validate and, if necessary, supply the social security numbers for records on the estate tax file so this matching can be carried out. The resulting file, appropriately weighted, will be matched with the 1974 Individual Income Tax Master File. status (type of return), 1974 AGI, wages and salaries, and other income information from the Master Tax File will be added to the decedent file.² The weights on this file will be adjusted by mortality multipliers based on age-race-and marital status to produce estimates of all income tax filers for 1974. After this adjustment, IRS would prepare tabulations from this tape of the population by AGI class, etc. These results will be compared to actual totals from Statistics of Income for 1974. Any discrepancies found (aside from those attributable to sampling variability), can be interpreted, with qualifications, as measuring the net impact of the differential mortality which exists within age-sex-race-marital status groups in 1976.

When the discrepancies between the income comparisons of the decedent sample and the basic income tax files have been resolved (using a "raking" procedure developed at SSA), the decedent file may give useful estimates of the distribution of both income and wealth, at least in so far as this is available from the administrative records being used.

The project which I just described briefly is still in the discussion phase. A number of problems must be resolved. Preserving the confidentiality of SSA and IRS data is, of course, an essential legal requirement. Furthermore, it is not clear at this stage whether or not the recently passed Privacy Act will permit the kind of matching we have in mind.³

This project has another major deficiency in that it only allows us to test the mortality differentials for men. Deaths for females are not reported very well to Social Security. (For example, only about 2/3rds of the deaths among women in 1972 were reported.) We need to provide some other means of testing mortality differentials for women. One that occurred to me is to use the community property information on the estate tax return to test these female differentials, since conceptually the number of married male top wealthholders with community property (above a certain size) must equal the number of married females with community property. A small and incomplete test of this idea was carried out with the 1969 filings, and I think it has promise for the future work at IRS. (The results of this 1969 work are shown in Table 1 below.)

Overemphasis on Wealth Concentration Estimates

The third thing I'd like to say has to do specifically with the use of the estate multiplier technique for work on wealth concentration. I think that undue emphasis has been given to this aspect in previous research, given the uncertainty that now surrounds the mortality rates that one should use. On the other hand, for looking at patterns of asset holdings among different age, sex, net worth, marital status groups and so forth, the estate multiplier technique seems to be fairly reliable. For example, Jim Smith, in his 1969 work, examined 12 different mortality assumptions. The variance between the total top wealth-

holder figures was enormous. However, the overall percentage distributions by size of wealth were practically identical for all 12. (See Table 2 below.) This suggests that the analysis of patterns of wealthholding may be <u>robust</u> over a very wide range of reasonable alternative assumptions about what the multipliers are. The overall aggregate estimates are obviously very sensitive to one's assumptions and must be considered (in Kendall's words) to be quite frail.

In saying this, I do not wish to sound as if I favor abandoning the attempt to make wealth concentration estimates using the estate multiplier technique. Rather, I am suggesting that there are a number of other interesting areas which can be productively studied that may not be as sensitive to the uncertainty surrounding what the mortality rates are for "top wealthholders."

ENDNOTES

- 1. It turns out that NCHS does, as I should have assumed, have such problems, but, if suitable safeguards are instituted, these need not be insurmountable.
- 2. Our later work indicates that there might be enough of a downturn in income near death to require an earlier master file be used. With the help of Census Bureau staff, therefore, a match will also be made to the 1969 IRS master file as well. Under this revised procedure "weights" would be determined from the 1969 file. The 1974 matched data could then be examined (as weighted) to see what income differences exist between persons who will die two years later and those who will not.
- 3. It does not cover deceased individuals.

1993 AFTERWORDS

In rereading this long-ago talk, I thought some afterwords might be worth adding about what has happened since 1975.

- First, it is particularly gratifying, thanks to Barry Johnson, Marvin Schwartz, and Louise Woodburn (among others), that so many recommendations made here were actually implemented. Notable among these was the shift to a year-of-death rather than a year-of-filing sample and the establishment of a partnership with the Federal Reserve Board so that their Survey of Consumer Finances can be used jointly with the estate wealth estimates.
- Second, even though nearly 20 years have passed and many heroic efforts have been made, the talk also illustrates all too well a truth of human affairs, "When all is said and done, more is said than is done." For example, while some work was attempted with the National Death Index on directly studying mortality patterns of the wealth from estate returns, this project proved harder and less immediately rewarding than I envisioned. The work of linking together SSA and IRS income and estate files was actually completed and well documented by Keith Gilmour (and the combined file is available at the National Archives); however, to my knowledge, the study called for has not been done, even though the file is available.
- Third, one of the benefits of revisiting something done so long ago is to see how much or how little one's understanding stood the test of time. In some ways my views have stood up fairly well. The dimensions of the problem as I understood them then were roughly right. What I didn't understand were all the new dimensions of wealth estimation that others would bring. Here I'm thinking not only of IRS staff but particularly of Gene Steuerle and, more recently, David Joulfaian and Arthur Kennickell. Whole perspectives (vistas) have been added to my thinking and a deeper appreciation of this subject has been gained from them. I look forward to this kind of change continuing and for still more dimensions to be added by researchers whose names are not yet known.

Table 1 -- Number of Married Wealthholders in 1969 in Community Property States by Size of Total Assets

(Numbers in thousands; ratios based on unrounded counts. Detail may not add top totals because of rounding.)

Total Assets Modified	Community Property States			
(in dollars)	Total	California	Texas	All other (except New Mexico)
·	Part I: Marrie	ed Female Top V	Vealthholders	
Total	376	226	102	49
60,000 under 100,000	155 96 77 40	97 60 41 22	35 26 26 12	24 10 9 5
1,000,000 or more	Part II: Married Male Top Wealthholders			•
Total	407	205	101	101
60,000 under 100,000	47	87 47 44 23 3	47 22 20 11 1	43 20 23 13 2
•	Part III: Ratio of Female to Male Top Wealthholders (in percent)			olders
Total	92.7	110.3	101.6	48.1
60,000 under 100,000	87.7 108.4 88.0 85.1 134.9	110.9 127.4 93.0 96.3 176.5	75.2 121.5 131.8 114.2 149.3	54.4 49.3 40.2 41.1 34.0

Note: Total assets was modified for this table by subtracting twice the marital deduction so as to more nearly approximate the community property holdings of married persons. Community property states in addition to California and Texas are Arizona, Idaho, Louisiana, Nevada, New Mexico, and Washington. New Mexico was not included because of the special treatment given community property at death (see STATISTICS OF INCOME 1962 —— PERSONAL WEALTH, p. 74). The mortality rates underlying the estimates in the table are described in detail in STATISTICS OF INCOME, 1969 —— PERSONAL WEALTH, p. 75. See also pp. 57–58 of that same report, where data on Top Wealthholders are presented by State

Generally (except for insurance), whatever property is acquired by the efforts of either the husband or wife during marriage belongs to the marital community, and not to the husband or wife separately. Property acquired either before marriage, or after marriage by gift or inheritance, usually is considered the separate property of the spouse who acquired it and is taxed as such. For estate tax purposes, only half the community property at date of death is included in the gross estate of the decedent. Community property was not shown separately in the estate tax statistics for 1969; therefore, the crude approximation, total assets less twice the marital deduction, was created.

Table 2 — Percentage Distribution of 1969 Top Wealthholders by Size of Economic Estate

Size of Economic Estate (in dollars)			Estimate	es of Top W	ealthholde	rs for 1969	Under Diff	ering Morta	ality Assum	ptions		•
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				ļ	ĺ	. •				1		
Number of Top Wealthholders (in thousands)	4,964	7,355	8,124	6,139	6,904	5,342	5,187	7,703	8,506	6,424	7,171	5,587
Percent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
60,000 under 80,000	23.90	23.94	23.88	24.00	24.15	24.05	23.29	23.31	23.27	23.36	23.52	23.40
80,000 under 100,000	18.88	19.03	18.98	19.02	18.69	19.01	18.95	19.08	19.02	19.10	18.77.	. 19.11
100,000 under 150,000	26.95	26.97	26.96	26.96	26.46	26.96	27.28	27.34	27.32	27.33	26.83	27:32
150,000 under 200,000	11.44	11.40	11.36	11.43	11.32	11.45	11.61	11.57	11.52	11.61	11.50	11.64
200,000 under 300,000	8.92	8.91	9.00	8.84	9.26	8.78	8.97	8.96	9.04	8.88	9.32	8.82
300,000 under 500,000	5.67	5.59	5.63	5.59	5.73	5.59	5.65	5.57	5.62	5.56	5.69	5.56
500,000 under 1,000,000	2.88	2.83	2.86	2.82	3.03	2.81	2.89	2.84	2.88	2.83	3.00	· 2.81
1,000,000 under 2,000,000	0.93	0.90	0.91	0.92	0.94	0.92	0.95	0.92	0.92	0.93	0.95	0.95
2,000,000 under 3,000,000	0.21	0.20	0.20	0.21	0.21	0.21	0.19	0.18	0.19	0.19	0.19	0.19
3,000,000 under 5,000,000	0.12	0.12	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.11	0.12	0.11
5,000,000 under 10,000,000	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06
10,000,000 or more	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03

Note: Economic estate is gross estate less lifetime transfers, debts and mortgages, and policy loans on insurance. The full face value of the insurance is included, not just the equity amount. The multipliers used in making the estimates were constructed by Smith in his work for 1969.

Column—by—column notes are provided on the next page.

MULTIPLIERS FOR EACH COLUMN OF TABLE 2

Column

- (1) Reciprocals of 1969 white age-sex-specific mortality rates.
- (2) Reciprocals of age-sex-specific mortality rates based on the experience of the Metropolitan Life Insurance Company with preferred risk whole life policies. The policy is issued in minimum amounts of \$5,000 (later \$10,000). The experience over the period 1964 to 1969 was used, but only policies issued before 1960 and which had been in force a minimum of six years were considered. Because the insured were predominantly male, rates for females were calculated by assuming that the same ratio of male to female mortality existed as in the white population in 1969.
- (3) Reciprocals of age-sex-specific mortality rates based on the Metropolitan Life Insurance Company's experience with the broader Preferred Risk category issued since 1960. The policy is issued in a minimum amount of \$25,000. Because insured rates were for males, female rates were estimated in the same manner as in (2).
- (4) Reciprocals of age-sex-specific mortality rates calculated by splitting the difference between the rates of (2) and a set of modified occupational class mortality rates based on the work of Moriyama and Guralnick for ages 20-65. For age 65 and on, the rates were calculated by splitting the difference between the rates of (1) and (2).
- (5) Reciprocals of age-sex-specific mortality rates calculated in the same manner as (4), by with the rates of (3) substituted for those of (2).
- (6) Reciprocals of age-sex-specific mortality rates based on the occupational mix of wealth (\$600,000 or more) Washington, D.C. decedents in 1967. Due to insufficient observations for ages less than 35 the average of Moriyama and Guralnick's top two occupational classes updated to 1969 were used. For ages 65 and over, (1) rates were used because social class differentials were believed to have disappeared.
- (7) Reciprocal of the rates from (1) adjusted for marital status differentials based on the work of Klebba ("Mortality from Selected Causes by Marital Status," <u>Vital and Health Statistics</u>, Series 20, Nos. 8a and 8b, 1970).
- (8) Reciprocals of the rates from (2) adjusted for marital status differentials.
- (9) Reciprocals of the rates from (3) adjusted for marital status differentials.
- (10) Reciprocals of the rates form (4) adjusted for marital status differentials.
- (11) Reciprocals of the rates from (5) adjusted for marital status differentials.
- (12) Reciprocals of the rates from (6) adjusted for marital status differentials.

Improving Wealth Estimates Derived From Estate Tax Data

by Janet McCubbin

The estate tax multiplier method may currently be the best available estimator of the personal wealth of the U.S. population of individuals with total assets greater than the estate tax filing requirement. In this method, values from the estate tax return are multiplied by the inverse of an appropriate age and sex specific mortality rate to provide an estimate of wealth for the living population. This method has certain advantages over survey methods, but it may tend to underestimate the number and net worth of the wealthiest individuals. Much of the ongoing research at the Statistics of Income Division of the IRS is focused on enhancing the quality and usefulness of data extracted from returns, and on improving the accuracy of the multipliers used. A variety of approaches aimed at developing better wealth estimates is being explored; three of these are described in this paper.

While the estate tax code has been fairly consistent over time relative to some other tax law areas, several notable changes have been legislated during the past decade. Data collectors and data users should be aware of these alterations as they can cause subtle or sometimes dramatic changes in the nature of the data. Because a basic understanding of the estate tax code and changes to it is necessary for intertemporal analysis of the data, a review of some aspects is presented here.

Estate multiplier estimates may be too low if assets as reported on the returns are undervalued or if they are omitted from the returns. In the interest of timeliness, data are extracted from returns before they are audited. However, developing an adjustment factor that reflects observed changes in net worth figures as a result of the audit process should reduce the downward bias in estate multiplier estimates. A pilot study of post-audit information is being conducted and preliminary results are discussed in the second section of this paper.

Finally, supplementary sources of data may be used to evaluate and correct for the underenumeration of wealthholders and possibly the undervaluation of assets. One available source is the listing of 400 of the wealthiest Americans published annually in Forbes. Analysis of this data set, including exact-matching with the estate tax returns of decedents from this group, is ongoing. Results to date are discussed in the third section of the paper.

ESTATE TAX LAW CHANGES

In order to compare wealth estimates produced by different organizations, it is necessary to understand differences in the ways in which assets are defined and valued. Similarly, when considering wealth estimates produced over time by the Internal Revenue Service, it is necessary to note how tax law changes have affected the types of assets reported and the valuation of those assets.

New tax provisions sometimes affect the estimates directly by redefining what assets are to be reported on the estate tax return. For example, the 1976 Tax Act required that all transfers made within 3 years of death be included in the total gross estate. This increases the net worth figure directly. In addition, a new provision may affect wealth estimates indirectly, by influencing the behavior of taxpayers. If, as a result of the requirement discussed above, taxpayers alter their patterns of gift-giving, other asset categories would be affected indirectly.

Finally, new legislation might redefine the population of taxpayers. For 35 years, the estate tax law required that a return be filed for any decedent with a gross estate of \$60,000 or more. That filing requirement has increased annually since 1977. For those dying in 1987, it will be \$600,000. This has, of course, drastically reduced the size of our population. Statistics of Income estimates are now limited to a much smaller portion of the wealth distribution curve. [1]

The Tax Reform Act of 1976 became effective on January 1, 1977. Since it pertains to individuals dying after December 31, 1976, its changes will be most evident on returns received after September 1977. (Returns are due to be filed within nine months of death unless an extension is granted.) The Economic Recovery Tax Act of 1981 (ERTA) is effective for individuals dying after December 31, 1981, except for some retroactive changes. Effects resulting from ERTA will be most evident on returns filed after September 1982. Changes in the estate tax law mandated by the Tax Reform Act of 1976 and the Economic Recovery Tax Act of 1981, which have the potential for significantly impacting estate tax multiplier estimates, are discussed below.

The Tax Reform Act of 1976

The Tax Reform Act of 1976 was the first major revision of the estate tax law since its inception. Several components of the revision which had important implications for estate tax data are reviewed below. [2-4]

The Unified Rate Schedule, Unified Credit and Filing Requirement.—One of the most sweeping changes mandated by the 1976 Act involved the revamping of the basic structure of the estate and gift taxes. For those dying prior to January 1, 1977, gift tax rates were lower than estate tax rates, and the rate at which an estate was taxed was independent of the amount of gift taxes previously paid by the decedent. Estate planners could cushion the impact of progressive estate tax rates and take advantage of lower gift tax rates by transferring property before death rather than at death. The very wealthy benefitted most from this strategy, as they could afford to transfer large amounts of property prior to death.

The 1976 Tax Act unified the estate and gift tax schedules. Transfers made after December 31, 1976, that are not included in the total gross estate, are added to the taxable estate, in order to determine the rate of taxation. (Gift taxes paid on such transfers are then subtracted from the gross estate tax.)

A unified credit was developed to replace the exemption which was previously used to calculate the estate tax due. The exemption, which was applied to the gross estate before the tax computation, was especially favorable to wealthier individuals because it provided a tax savings from the higher tax brackets. The unified credit, which is subtracted from the gross estate tax after the computation of the tax, constitutes a savings from the lower tax brackets. At the same time, the filing requirement was increased from \$60,000 to \$175,000 over a period of five years. The unified credit was increased in a similar manner.

Year of Death	Filing Requirement	Credit
1976	\$60,000	N/A
1977	\$120,000	\$30,000
1978	\$134,000	\$34,000
1979	\$147,000	\$38,000
1980	\$161,000	\$42,500
1981	\$175,000	\$47,500

These changes, designed to bring tax relief and fairness to small and medium estates, affect wealth estimates by removing smaller estates from the population. However, our estimates derived from estates above the filing requirement should not be affected, except to the extent that gift-giving is influenced by the unification of the estate and gift tax schedules.

Transfers within Three Years of Death.--Prior to 1977, transfers of property made within 3 years of death were assumed to have been made in contemplation of death and were includable in the gross estate. The executor of the estate could contest the presumption that a gift was made in contemplation of death and sometimes have the value of the transfer removed from the estate. This rebuttable presumption led to a significant amount of litigation. The Tax Reform Act of 1976 amended section 2035 to include in the gross estate all transfers made within 3 years of death, other than bona fide sales, regardless of the decedent's motivation.

In addition, any gift tax paid after December 31, 1976, and within 3 years of death, was also includable in the gross estate. Prior to 1977, gift taxes reduced the total gross estate by the amount paid, regardless of the timing of the transfer. The abolishment of the rebuttable contemplation of death presumption and the inclusion of the gift tax "gross-up" rule served to simplify the valuation of estates and to remove the incentive to make death-bed transfers for the purpose of tax avoidance.

The effect of the changes in the treatment of transfers on wealth estimates is undoubtedly complex. Under the 1976 Act provisions, more transfers are includable in the gross estate and

the gift taxes on these transfers are also includable. Thus, we might expect the amount of transferred wealth reported on the estate tax return to increase. Yet, since the tax advantages of making death-bed transfers are eliminated, the amount of transfers might decrease. This would result in a decrease in the wealth reported as transfers and some increase in the wealth reported as other types of assets. The overall effect, regardless of whether or not there is a decrease in gift-giving, should be some increase in the total gross estate. (The extent of the effect is at least partially dependent upon the extent to which individuals make transfers to minimize taxes.)

Joint Property Held by Spouses. -- Prior to 1977, the total gross estate included the entire value of property held by the decedent as a joint tenant or tenant by the entirety with a spouse, except for the portion of the property attributable to consideration furnished by the survivor. The 1976 Act replaces the "consideration furnished" rule with a "fractional interest" rule for qualified joint interests. Under the for qualified joint interests. "fractional interest" rule, only one-half of property held entirely by the decedent with a spouse is includable in the gross estate, provided that: the tenancy was created after December 31, 1976, by the decedent, the spouse or both and the creation of the interest constituted a completed gift for gift tax purposes. (Spouses are permitted to dissolve joint interests and recreate them after December 31, 1976, in order to take advantage of the new law.) The donor must have elected to treat the joint tenancy of real property as a taxable event, even if no gift tax is paid due to the annual exclusion, marital deduction or application of the unified credit.

While the entire value of joint property assets is often referred to on Schedule E of the estate tax return, only one-half of the value of a qualified joint interest must be included in the total gross estate. Therefore, our net worth estimates will be reduced to the extent that such interests are created. This reduction may be partially offset by the inclusion of one-half of the property as transferred wealth, when a qualified joint tenancy is created by a decedent within 3 years of death. The net worth of surviving spouses is not affected by the provision, as the entire property will be includable in the surviving spouse's gross estate, if it was not disposed of prior to death.

Special Use Valuation.--Prior to 1977, all assets in the gross estate were included at their fair market or "highest and best use" value. This created severe liquidity problems for some farmers and owners of closely held businesses, forcing them to sell their inherited property in order to pay the estate taxes on it. The 1976 Act allowed executors to refer to the capitalization of earnings or similar methods, as well as to the fair market value, when valuing assets and thereby reduce the value of the property by up to \$500,000.

To qualify for special use valuation, the decedent and the heirs must meet stringent requirements regarding citizenship, the size of the property relative to the total estate and

the use of the property prior to and subsequent to the time of death. Because of the specific requirements allowing for special use valuation and the limitation of the reduction to \$500,000, the effect of this provision on wealth estimates may be slight and is more significant for smaller estates.

The generation-skipping transfer tax also first appeared in the 1976 Act; however, because of subsequent, ongoing revisions and problems with compliance, the eventual effects of this tax are not yet apparent.

The Economic Recovery Act of 1981

The Economic Recovery Tax Act (ERTA) mandated the next significant estate tax code revisions. Those which are likely to have affected IRS data are discussed here. [5,6]

The Filing Requirement, Unified Credit and Tax Rate.--The 1976 Tax Act increased the estate tax filing requirement from \$60,000 to \$175,000 over a period of 5 years. ERTA provided for further increases in the filing requirement and corresponding unified credit.

Year of Death	Filing Requirement	Credit
1982 1983 1984 1985 1986	\$225,000 \$275,000 \$325,000 \$400,000 \$500,000	\$ 62,800 \$ 79,300 \$ 96,300 \$121,800 \$155,800
1987 and after	\$600,000	\$192,800

In addition, ERTA decreased the maximum estate and gift tax rate from 70 percent to 50 percent over 4 years beginning in 1982 and enlarged the highest tax bracket to include taxable transfers of \$2.5 million or more, rather than \$5 million or more. (The Tax Reform Act of 1984 delayed the effective year of the final reduction by 3 years.)

The increase in the filing requirement will further limit estate tax multiplier estimates to the very wealthiest Americans. Taxpayer response to lower estate tax rates is another subject worthy of consideration. Given lower tax rates, taxpayers may decide to avoid the inconvenience of sheltering assets and thus, more wealth would be reported on the estate tax return.

The 1981 Act also increased the annual gift tax exclusion from \$3,000 to \$10,000. This increase should induce individuals to make more lifetime transfers, thus resulting in some decrease in estate multiplier estimates, as

assets are removed from the estate.

Interspousal Transfers and Joint Property.--The 1981 Act drastically liberalized the treatment of interspousal transfers, eliminating limits on estate and gift tax marital deductions. After December 31, 1981, individuals can transfer unlimited amounts to their spouses tax-free. (The Act includes a transitional rule to address marital deduction clauses in wills executed or trusts created before 30 days after the enactment of ERTA.) Provisions which prohibit estate

and gift tax deductions for transfers of community property between spouses were removed. Furthermore, only one-half of the value of joint property owned by spouses with rights of survivorship must be included in the total gross estate, regardless of which spouse furnished consideration for the property or the purpose for which the property is used.

Certain lifetime income interests granted to spouses may also pass tax-free. To qualify for this Qualified Terminable Interest Property (QTIP) deduction, the decedent's executor must make an election. No person may have the power to appoint any part of the property before the second spouse's death. The property is taxed when the second spouse disposes of it or dies.

Since the marital deduction is taken after the computation of the total gross estate, the deduction will not directly affect the wealth observed after the death of the first spouse. However, it is possible that the total gross estate figure will increase somewhat if tax-payers, able to pass an entire estate to a spouse tax-free, shelter fewer assets. In addition, since wives are more often the surviving spouse, wealth estimates for women may increase, as husbands minimize estate taxes by bequeathing more assets to their wives and fewer to children or other beneficiaries. Under ERTA, the gross estate figure will be lower for some owners of joint property (those who furnished consideration), and higher for others, than it would have been under previous law.

Transfers within Three Years of Death.--Under the 1976 Tax Act, all gifts made within 3 years of the donor's death were to be included in the gross estate at their value as of the date of death or as of the alternate valuation date. Under ERTA, only certain gifts made within 3 years of death are included. These are gifts of life insurance, gifts in which life estates are retained, gifts in which the decedent had a reversionary interest, revocable transfers and gifts of general powers of appointment.

This change will lead to some decrease in our net worth estimates. Gifts within 3 years of death will still be taxed when the gift is made, and the gift tax paid will still be included in the total gross estate, but the value of the transferred property will not be included in the total gross estate. Patterns of gift-giving will probably not be significantly affected. (Under ERTA, estates will only be saved the tax on the appreciation of property which occurred between the date of the gift and the date of death.)

Special Use Valuation.--ERTA liberalizes the special use valuation provisions enacted in 1976. The changes are generally retroactive to January 1, 1977. The amount by which the value of farms and closely held businesses may be reduced is increased from \$500,000 to \$750,000 over 3 years. The liberalization of these provisions will reduce our net worth estimates to the extent that more estates will qualify for special valuation and that some estates will be allowed larger reductions in property values.

Summary

The discussion here of indirect effects on our

estimates is not supported by theory or empirical evidence; yet, it is important to consider such possibilities, especially when using estate tax (or other IRS) data for intertemporal analysis. It is also necessary to consider legislative changes when evaluating the ability of the estate multiplier method to estimate the distribution of wealth in the United States.

POST-AUDIT DATA

As previously noted, estate tax multiplier estimates of wealth produced by the Internal Revenue Service are based on data edited from estate tax returns before the returns are audited. All estate tax returns are examined by the Service, but in the interest of timeliness, returns are edited for statistical purposes prior to the audit process. While it has long been recognized that asset valuations might change significantly during the audit, no review of these changes has been conducted in recent years. [7] A pilot study of post-audit returns is currently being conducted by the Internal Revenue Service. Returns are being examined to evaluate the nature and magnitude of changes in the valuation of assets made by auditors using these data. We may be able to develop adjustment factors to apply to estate data to compensate for inaccuracies in reporting by taxpayers.

Currently, returns filed in 1983 at two IRS service centers are being examined. It was determined that returns filed in 1983 would be old enough to have completed the audit process, yet recent enough to provide insight applicable to future wealth estimates. In addition, there are also personal wealth estimates available which are focused on this filing year. [8] These returns represent primarily individuals dying in 1982. The estate tax filing require-

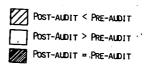
ment in that year was \$225,000.

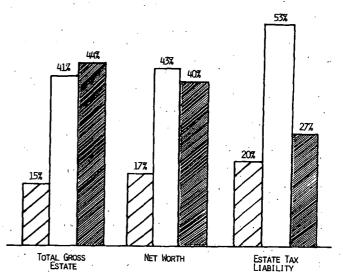
One hundred thirty-seven returns have been sampled thus far. Eighty-three percent of the returns are for estates with at least \$5 million in assets. All of the returns with at least \$5 million in assets, from the two IRS service centers involved, are included in the sample; the sample does not include any returns with less than \$500,000 in the gross estate. Seventy-two percent of these returns have been received and examined; we expect to receive the remaining returns shortly.

Preliminary Results

Figure 1 shows the frequency and direction of changes in the total gross estate, net worth and estate tax liability. Thus far, the post-audit differences we have observed have been smaller than expected. Aggregate net worth, defined as the total gross estate less debts and mortgages, increased by about 2 percent. If we consider only the cases for which net worth increased, the increase was over 4 percent. A fair amount of the 2 percent increase in aggregate net worth is due to a 1.7 percent decrease in debts and mortgages allowed as deductions. Of the assets, the largest increases were to real estate (1.8 percent), corporate stock (1.9 percent) and miscellaneous assets (4 percent). In addition

Figure 1.--Direction and Frequency of Change:
Pre-audit Versus Post-audit Amounts





to personal effects and automobiles, this miscellaneous category includes some types of property which are difficult to value, such as artwork, mineral rights and royalties.

As you might expect, some assets, including bonds, cash, insurance and annuities, are relatively easy to value and are only rarely subject to significant changes. Harriss estimated "that probably one-third to two-fifths of gross taxable estates consist of property presenting no significant valuation problems." [9] In the newer data, real estate, corporate stock and miscellaneous assets make up over 75 percent of the aggregate total gross estate. The value of each of these assets changed in about 26 percent of the returns examined. While these assets are more likely to be revalued than others, auditing apparently does not significantly change the portfolio distribution of assets.

In addition, auditing does not significantly change the size distribution of aggregate wealth. While larger estates may be scrutinized more vigorously by IRS examiners, they do not seem to be revalued more frequently nor are the changes in the gross estate proportionately larger than those made to smaller estates. This may be because larger estates had, on average, proportionately larger marital and charitable deductions. Estates with less than \$5 million in assets claimed, on average, marital deductions of 22 percent, while estates of \$5 - 7.5 million and estates of greater than \$7.5 million claimed marital deductions which averaged over 23 and 37 percent, respectively.

Again, the valuation changes are somewhat smaller overall than expected. Perhaps the differences in asset values before and after audits are not significant. It would, though, be premature to conclude this after examining only 98 returns. Most of the returns not yet

examined are for estates with at least \$5 million in assets. Some of the most complicated returns must still be retrieved from district offices. Most of these remaining returns will probably have been subject to some change during

auditing.

But still, perhaps the returns reviewed thus far are a representative sample of our population of returns. Why, then, are the percentage changes so low? One reason is that because of the complexity of the estate tax laws, many estate tax decedents have designated professional executors and tax form preparers. As Harriss noted, "The widespread participation of corporate and professional legal fiduciaries in executing estates, therefore, probably insures a high minimum level of integrity in estate tax compliance." [10] Secondly, inaccuracies in reporting which result from ignorance or computational errors should not be biased toward over- or underestimation. The current study of returns seems to support this assumption.

Of course, the accuracy of post-audit valuations must also be considered. Indeed, the audit process is designed to increase tax revenues, rather than to provide a more accurate valuation of every estate. While every return is examined, field audits are not always conducted. (This review is, however, more thorough than the review of individual income tax returns, only a fraction of which are examined for anything other than mathematical accuracy and consistency.) Efforts to increase the value of smaller estates may not be pursued, when such efforts are obviously not cost effective. Even very large estates may escape increases in the gross estate when such changes would not lead to increases in tax, due to corresponding increases in marital or charitable deductions. Of the cases in which the value of the estate was changed, the aggregate gross value of estates claiming marital deductions of 50 percent of the gross estate or less changed by nearly 4 percent; the value of estates in which the marital deduction exceeded 50 percent of the gross estate changed by less than 2 percent. Even when a change in the value of an estate does occur, it may be the result of a compromise between the auditor and the executor, rather than an increase which the auditor believes to be absolutely correct. (In fact, only one of the cases reviewed was litigated and in nearly every case, an agreement was secured with the executor.)

Despite these factors and the small magnitude of change observed thus far, we are convinced that a bias towards the underestimation of estates exists. A review of audited returns provides at least some indication of the size and nature of this bias. That information can then be used to adjust our data and yield more accurate wealth estimates.

Future Plans

At this time, we do have plans to expand the post-audit study. The first step will be to retrieve and examine the remaining returns already sampled. At that point, our sample will consist of about 140 returns, most of which were filed for decedents with at least \$5 million in the gross estate. Next, we will probably expand

the study in two ways, by including additional service centers and by sampling more returns with less than \$5 million in the gross estate. After the data are analyzed, we should be able to develop the adjustment factors to at least partially correct for the undervaluation of estates. Finally, we would, of course, need to update these adjustment factors periodically.

USING OUTSIDE SOURCES TO ENRICH ESTATE TAX DATA

Other efforts to improve wealth estimates involve using sources outside of the Internal Revenue Service for additional financial and demographic information. One such source is Forbes magazine and its annual listing of the 400 wealthiest Americans. [11] The demographic information provided allows us to evaluate the changing nature of the population of very wealthy individuals. In addition, while the reliability of their net worth estimates is limited, direct comparisons of the information published in Forbes with the figures reported on estate tax returns may provide clues about the types of assets and amounts of wealth not fully captured by our current estimation techniques. In addition, data from Forbes are a particularly useful supplement, as they focus on very wealthy individuals. Current IRS estimates associated with these economically powerful individuals suffer from large variances, due to the small sample sizes.

<u>Forbes</u> has published a report on wealthy Americans each year since 1982. This information, gathered by a small group of <u>Forbes</u> staff members, is obtained from public documents, published information and interviews with financial experts. They also try to contact the 400 members themselves, although many, of course, do not respond. Tabulations of the data published in <u>Forbes</u> have been completed. These are classified according to demographic characteristics including age and sex.

The estate tax returns of members of this are examined population as they become There are currently less than 50 available. known decedents from the population. these individuals were still listed among the 400 wealthiest Americans at the time of their Approximately 30 returns have been examined; less complete information is available for several additional individuals. The summary statistics presented here are based on all of these decedents, except where otherwise indicated.

Preliminary Results

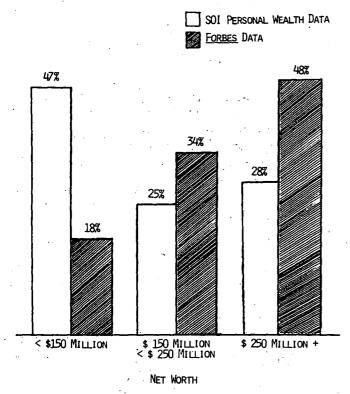
The estate tax mean and median figures are lower than the Forbes figures. The examination

Net Worth	Estate Tax Data	Forbes Data
Mean Median	\$ 114,134,312 \$ 94,694,396	\$ 199,000,000 \$ 170,000,000

of returns revealed that Statistics of Income estimates were, on average, 35 percent lower than estimates published in Forbes. (The figures on several returns were not comparable due to major financial changes, such as the sale

of family-owned businesses, occurring during the time elapsed between the two estimations.) The net worth figure reported on the estate tax return was less than the estimate appearing in Forbes in 79 percent of the cases. Figure 2 shows the distribution of IRS net worth figures versus the distribution of Forbes net worth estimates for the decedents studied. Nearly

Figure 2.--Percentage Distribution of Net Worth by Net Worth Size Class: Forbes Versus IRS



half of the wealth reported on the estate tax returns (47 percent) is held by decedents with less than \$150 million. As the bar graph shows, the distribution of wealth as reported by Forbes peaks much later.

Certainly many factors contribute to these differences in valuation. Forbes' researchers assume that "the separate elements of ownership (control of principal, receipt of income, power to name heirs, etc.) are deliberately spread among different people to defend against the inheritance tax laws." [12] Thus, they generally attribute the wealth of spouses and other family members to a principal family member. Similarly, assets in trust are generally assigned "to the person who created the wealth, where still alive and in control, or to the principal controlling family member where he is not." [13] (Irrevocable charitable trusts are not considered to be personal wealth by Forbes' researchers, even where they are used to retain control of family companies.)

On the other hand, the estate tax law is quite specific in determining what constitutes legal ownership. In addition, some types of assets are not required to be reported on the estate

tax return or are not required to be reported at their full value. For example, only one-half of most jointly owned property is included in the estate. Not surprisingly, when net subtractions for jointly owned property (reported on Schedule E of the estate tax return) are added back to the values of the estates, the net worth figures are, on average, only 28 percent lower than those published in Forbes. (This adjustment is applicable to approximately one-third of the estates.)

In addition to ownership and valuation issues, the timing of the two sets of estimates must be considered. Forbes' estimates are usually published in October. The cutoff date for 1986 was September 12. [14] The estate tax valuation date for the individuals studied ranged from 33 months to less than 1 month after the valuation for the Forbes estimate. The average length of time between the two estimates is approximately 10 months. (Eighty-nine percent of the estates were valued as of the date of death; the alternate valuation date, defined as 9 months after the date of death, was elected for the others.)

We would expect the wealth of these individuals to increase over time, and the lower cutoff value of the living Forbes population has indeed increased in every year except 1985. However, the average age of these decedents at the time of death is about 81 years. A number of them have undoubtedly distributed a significant portion of their assets to family members or other beneficiaries prior to their deaths. (As noted before, some of these distributions are so complete that the two estimates are not comparable.) Thus, we might expect the estate tax figures to be lower.

Finally, we have also taken note of all of the estate tax returns filed for very wealthy individuals dying after the first Forbes report was published. Sixty-one percent of those individuals with estates of \$60 million or more and 47 percent of those with \$100 million or more never appeared in Forbes. These individuals may have held assets which Forbes was unable to uncover. The timing issue discussed earlier may also have contributed to these differences in the two populations. At any rate, we will have to consider these factors when using Forbes data to model the wealth distribution curve.

Future Plans

Despite the differences in the units and items measured and in the timing of the estimates, we feel that supplementary sources of data such as that published in Forbes can enhance our understanding of the population of very wealthy Americans. Future plans for this effort include reviewing Forbes' work as it is published. We are also continuing to track the decedents from this group. In addition, we are using other outside sources to supplement our data. Recent work by Scheuren and McCubbin describes some of these developments. [15]

CONCLUSION

The recent ongoing work at IRS has reenforced our opinion that the estate tax multiplier

method may currently be the best available estimator of the personal wealth in the U.S. population, for individuals above the estate tax filing requirement. Nevertheless, we realize that this method probably tends to underestimate the number and net worth of the very wealthiest individuals. The variety of approaches discussed here is aimed at developing better wealth estimates. The post-audit and Forbes projects are both just beginning and the data presented here are preliminary. Yet it appears that information available from these sources will be useful. The post-audit study and the use of data collected by Forbes and others will continue to be part of our research program, as will the evaluation of any changes to the estate tax code. The results of these efforts and the cooperation we are receiving from researchers outside the IRS should ensure that the quality of our data will continue to improve.

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Piecing Together Personal Wealth Distributions

by Fritz Scheuren, Ph.D and Janet McCubbin

The American economy is undergoing enormous stress, brought about by forces that are of a size unprecedented in history. Large trade and budget deficits come readily to mind. Concerns about the Society's long-run international competitiveness exist, as well. Savings rates in the United States have historically been low and appear to be getting lower [1]. What to do about all this is unclear, especially since various industrial sectors seem to be affected to a greater or lesser degree [2].

Various nostrums have been proposed and, in some cases, may even be having a beneficial effect. For instance, the new emphasis on quality in the manufacturing sector is one response that may have started to work, although American goods have a long way to go in many areas [e.g.,3]. There is a widespread belief that the massive tax law changes of the 1980's will also help, particularly the 1986 Tax Reform Act [e.g., 4]. Cuts in marginal rates, for example, should confer at least a short-run advantage on most American businesses.

With all this change in the American economy, how well are we "keeping score?" On a "macro" level, of course, we have the National Income and Product Accounts prepared by the Bureau of Economic Analysis and the "Flow-of-Funds" accounting done by the Federal Reserve Board (FRB). These measures, while subject to weaknesses, have served to monitor economic trends in income and wealth reasonably well. It may be time, however, to heed calls for an integrated approach [5], combining both macroand microdata [e.g., 6].

A great many of the elements are in place. The Census Bureau's new Survey of Income and Program Participation (SIPP) clearly is a major step [7]. Advances in the measurement of income in the Current Population Survey also are an important factor [8]. Renewed emphasis on improvements in the National Income and Product Accounts is encouraging [9]. In addition, the Federal Reserve Board is undertaking a thorough re-examination of the methodology underlying its "Flow-of-Funds" accounting [10].

Of most interest at this session is the renewal of the Federal Reserve Board's interest in using survey techniques to measure the distribution of wealth [e.g., 11]. The 1962 wealth study by the Board, which was conducted by Dorothy Projector and Gertrude Weiss [12], was a milestone in this area. The 1983 FRB study, as we have heard at this session, offers great promise as a new beginning of what is hoped will be a more regular measurement of wealth by the Board. In both of these FRB efforts the Internal Revenue Service (IRS) offered support. While this cooperation was considerable, in many ways it has been incomplete. (The estate multiplier wealth estimation periodically done at IRS has,

until very recently, been carried out as a separate, stand-alone activity.)

This paper addresses a number of the issues that need to be faced if IRS information is to play a larger role in measuring wealth. Our goal, however, is not to set out a detailed agenda for research, but to suggest areas where more work might lead to improvements. While the main focus of the remarks made is on the upper tail of the wealth distribution, there is also some discussion of the problems of measurement at lower ranges of the Lorenz curve, as well.

Organizationally, the paper is divided into The first section provides a five sections. framework within which the overall wealth distribution measurement problem might be set. Section 2 focuses on a general description of the history and limitations of the estate multiplier method. The paper by Medve [13], also given at these meetings, will be one of the sources drawn on here. Sections 3 and 4 further develop the concerns about estate multiplier limitations, specifically in terms of how the 1982 multiplier results relate to the 1983 Federal Reserve Board survey figures. Particular attention is given in these sections to the results found in the companion papers at these meetings by Schwartz [14] and McCubbin [15]. We conclude the paper in Section 5, with some observations intended to set the stage for considering what priorities should be given to the future work ahead.

1. WEALTH MEASUREMENT TYPOLOGY

- First, there is the bulk of the population, the nonwealthy. (Here we will define this group as persons with total gross assets of less than \$500,000.)
- Next, comes those who have moderate but not great wealth. (In this paper we will define that group as individuals with gross assets of \$500,000 but net worth of less than \$10,000,000.)
- Finally, there is the very small group of exceedingly wealthy people, who are the hardest of all to measure. (Here we define these individuals as having net worth of \$10,000,000 or more.)

A good survey vehicle is essential for the study of each of these groups but could profit from supplementation of various sorts [e.g., 16]. This would be true even if a multiple frame survey approach were taken, as in the 1962 and 1983 FRB studies. (For a description of the

1983 supplementary high-income sample, see [11] and [17].)

Nonresponse problems would undoubtedly remain, despite whatever improvements in field techniques might be made. Also, for the very wealthy, sheer sample size is an issue. In the 1983 FRB Study for instance, there were only 36 individuals in the sample aged 26 years or older who could be said to be very wealthy. (See Figure A.) Even in the absence of concerns about nonresponse biases and response errors, such a sample seems simply too small to be used alone; certainly this would be the case if the aim is to produce aggregate wealth estimates and concentration ratios.

FIGURE A.--Distribution of 1983 Federal Reserve Board Sample By Wealth Group

1114-6	1983 FRB Sample Adults			
Wealth Group	Number	Percent		
Total	6442	100.0		
Nonwealthy Moderately wealthy. Very wealthy	837	86.4 13.0 0.6		

Source: Special unpublished tabulations prepared by the Federal Reserve Board.

Concerns about the measurement errors among those of moderate wealth exist as well, even though the sample size there might be judged by some as adequate; however, when looked at in terms of households, the 1983 FRB sample size of 837 adults falls sharply (to 478 households). In addition to potentially major nonresponse and

response errors among this group, there is an inherent inefficiency in the sampling frame that needs to be addressed, since the income measures used were not always adequate proxies for wealth [18]. Improvements in the sample design of the high income cases will help here but are likely to fall short and the survey might profitably be supplemented through the use of other measurement devices. Indeed, as will be seen later in this section, we strongly recommend augmenting the sample of nonwealthy individuals in various ways, as well.

Nonwealthy Individuals

The nonwealthy are such a large and diverse category that separating them into subgroups might be helpful. Four such divisions are made in Figure B and discussed below.

Least Affluent Group.--According to the 1983 FRB Survey, about one-fifth of the nonwealthy aged 26 years or older [19] had little, if any, assets and what they had consisted essentially of consumer durables and personal effects. The policy questions pertaining to this group may relate, not to an actual estimate of their wealth, but to their relative frequency in the population by age, sex, race, education and so on.

Included in this first group are individuals who also have small savings accounts and certain claims for income from private pensions, which indeed they may already be receiving. Again, the main questions concerning this group may relate not so much to their aggregate wealth as individuals, but to their relative frequency in various subpopulations. Welfare claims against society by members of these groups, whether real

FIGURE B.--Some Potential Information Sources on Income and Wealth of Individuals with Total Assets Less Than \$500,000

Wealthholding Group	Some Potential Information Sources on Income and Wealth
Individuals with less than \$2,000 in financial assets and <u>no</u> home ownership.	Surveys, like SIPP and the FRB study, might be sufficient, supplemented possibly by Social Security Administration earnings and benefit information.
Individuals with less than \$2,000 in financial assets plus some home ownership.	Survey information would again be the dominant source, but local tax assessment records could be helpful and the taxes paid and mortgage interest deductions on the Federal income tax return would be of value for itemizers.
Individuals with \$2,000 to \$10,000 in financial assets.	Survey information could be greatly augmented by Federal income tax records, possibly sup- plemented by social security benefit data. Direct use, through income capitalization
Individuals with \$10,000 or more in financial assets	or "gross-up" methods, would be possible, plus indirect help through post-stratification.

Source: Statistics on the size of these various groups shown in the text all came from unpublished tabulations made available by the Federal Reserve Board from its 1983 Survey.

or contingent, may need to be considered, as well as social security claims, actual or potential.

Survey vehicles would seem to be the best method of looking at this first group. The Census Bureau's Survey of Income and Program Participation (SIPP), in particular, may be suitable, especially since plans are to obtain Social Security Administration earnings and benefit data, so a social security wealth variable can be calculated [20]. The Federal Reserve Board survey would be an excellent source as well, although it is a lot smaller than SIPP and, hence, its results would be more limited [21]. On the other hand, the FRB survey has developed a method for estimating private pension wealth, something that SIPP does not now do. (By the way, adding social security variables to the FRB is possible and was proposed at one time for the 1983 study.)

Homeowners with Few Other Assets.--It may be useful to continue our "typology" of various wealth groups by looking next at homeowners with less than \$2,000 in financial assets. In 1983, nearly 30 percent of all persons 26 years or older fell in this group.

With few exceptions, once individuals move from a position of having limited personal and consumer items, small savings accounts and cashon-hand, plus some pension wealth, the next asset they often own is a personal residence of some sort. Important exceptions might be the very old or sole proprietors (who may have plowed all their resources into their businesses).

In the case of social security wealth, we have already seen the value of record linkages to administrative records; FRB pension data also made use of record linkage techniques [22]. With the home ownership variables, the use of record checks may be important to confirm the information being supplied. The use of tax assessment records and bank or other mortgage holder records would be a valuable device to build in routinely to the SIPP or FRB surveys. Tying in to tax assessment records provides a direct link between the survey data and similar estimates in the "Flow-of-Funds" accounting [23]. A concern that needs examination, particularly for real estate, is the question of who really owns the asset. The survey-supplied answer and the strict legal answer may differ. Tax assessment and bank records may help in this connection but could need supplementation; for example, powers of appointment might not be recorded and the information about transfers trusts might also be incomplete. Determining an individual's share of jointly owned property (here and elsewhere) may be particularly tricky in some cases.

Wealthholders with Significant Income-Bearing Assets.--We are now ready to talk briefly about the remaining two nonwealthy population groups shown in Figure B. Both of these have significant amounts of income-bearing assets.

Incidentally, based on the 1983 FRB Survey, these groups are of about equal size and collectively account for around half of the nonwealthy, aged 26 years or older.

The major new source of information we will consider is using the Federal income tax return. One approach might be simply to augment the survey data by a wholly separate sample, like the IRS Individual Tax Model [24]. The incomes shown on the returns could be capitalized or "grossed-up" to produce the corresponding asset values, as described in [25]. Direct record linkages of the survey data with tax returns might also be contemplated [26], if concerns about confidentiality and access can be overcome. In our judgment a combination of both of these approaches is needed.

The "gross-up" method is not just confined to incomes, but has been applied to real estate taxes as well; hence, we could improve our wealth estimates for less wealthy homeowners too, by linking to their Federal income tax returns. Certainly, the deductions for real estate taxes and mortgage interest may be of some value as a check of the reasonableness of the corresponding asset and liability amounts supplied on the survey.

Recent changes arising from the landmark 1986 Tax Reform Act make the "gross-up" approach even more attractive, in that interest from state and local bonds is now required to be reported. Valuing business assets may also be possible from the return, at least in the case of sole proprietorship holdings. The technique would be to employ detailed information on income and expenses from Schedule C and to use the net income flows, possibly for several years, as a way of valuing the asset. Linkage of tax and survey records here would be the key to such an approach, since we would need to calibrate the survey and tax sources to see that each was reasonable. (Incidentally, partnership income reported on Schedule E may also be a good starting point to calculating the value of that source of wealth, as well, provided we were willing to go back to the partnership returns for more information.)

It should be pointed out that "grossing-up" incomes like interest, dividends and so on has merit, but cannot be done separately, without regard to the individual's overall income position; this is because, as real incomes rise, investors tend to shift portfolios to assets that have smaller realized (i.e., taxable) flows, possibly deferring the remainder to be taxed as a capital gain or to be transferred (perhaps untaxed) to their heirs at death [27].

It is recommended, therefore, that the use of "grossed-up" data from income tax samples (like the IRS' Individual Tax Model files) should be adjusted, by using the survey data to obtain information about how the income-to-asset ratio changes as income or assets increase. Alternatively, the SIPP or FRB survey data, once linked to income tax records, could be post-

stratified to overall administrative aggregates developed using one (or more) "gross-up" techniques. Either method, plus hybrids, may have significant advantages in reducing sampling and nonsampling errors for wealth distribution data.

Difficulties in achieving high quality record linkages may be a problem, especially for the FRB survey; SIPP, though, has had outstanding success in obtaining good social security numbers [28]. The units problem--tax returns versus individuals versus households--also needs to be met head on. For SIPP and FRB, the family or household is the primary wealthholding unit. Based on our experiences in the 1973 IRS-CPS-SSA Exact Match Study of some years ago, we believe that, in most cases, the tax returns can be brought into alignment, but not always, since some members of tax units may be living separately. (Incidentally, it is conjectured that, when property ownership is joint with individuals not living together, the survey data on wealth, whether from FRB or SIPP, may suffer greater nonsampling errors because of confusion about who owns what.)

Moderately Wealthy Individuals

Individuals of moderate wealth are a fairly small group, consisting of less than 2 percent of the population of adults. Even so, with a multiple frame survey approach, like that employed in the FRB studies, reasonably large sample sizes can be achieved. Nonetheless, the use of additional sources of data appears particularly attractive because of the potentially large measurement errors that can arise.

Above the estate tax return filing threshold, the "grossed-up" income tax records can be augmented by direct wealth measurement for sources covered by the estate tax [29]. Estate data are invaluable, but their limitations should be kept in mind. Assets not covered by the estate tax return are items for which the individual had only a life interest: pension and annuity wealth, for example; incomes from trusts or other estates; and insurance claims on the life of the decedent from policies for which the decedent did not possess any incidents of ownership. Additional concerns exist in using the estate tax wealth measures, particularly with regard to the valuation of assets, like unincorporated business interests, that change their character as a result of the owner's death. The asset in life could be of potentially much greater value. Life insurance assets, includable in the estate, also have this problem but in the opposite direction, since the face value comes into the estate rather than the cash-surrender value. Finally, like the survey approach, the estate multiplier estimates have many sampling and nonsampling error issues of their own that need discussion, including which estate multipliers to use, how to deal with potential undervaluations by executors on the unaudited returns employed, and so on. These issues will be discussed further in the next two sections.

Very Wealthy Individuals

The very wealthy are an extremely small group of only a few thousand. Certainly survey estimates, despite supplementation by cases from a high-income frame, are entirely too sparse to be relied upon. In fact, while estate tax methods are still useful to a limited extent, even they break down for this wealthy group. We could look instead to approaches like that taken by Forbes [30], as well as to various extrapolation fitting procedures employing variants of the Pareto distribution. Taken together, especially if averaged over several years, these techniques may yield reasonable results. Somewhat more will be said about this in Section 5.

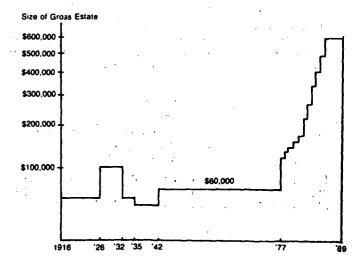
2. ESTATE MULTIPLIER ESTIMATION

Estimates of U.S. personal wealth from IRS estate tax returns have been made for decades using the so-called "estate multiplier technique." Actually, the technique appears to have originated in England, with the work of Baxter in the nineteenth century. Baxter used the inverse of the overall mortality rate to estimate total personal wealth from probate records [31]. In 1908, Mallet [32] modified the method by using age-related multipliers. His work has guided most subsequent researchers in Great Britain and elsewhere since then.

Wealth studies for the United States have focused on data from U.S. Federal estate tax returns. Many studies of less than National scope have also been conducted, using state and local inheritance tax and probate records. See, for example, [33].

The United States estate tax was instituted by the Revenue Act of 1916 for the dual purpose of producing revenue and redistributing wealth. As illustrated in Figure C, this legislation required estate tax returns to be filed for the estates of individuals who, at death, held gross

Figure C.--Estate Tax Return Filing Requirements: 1916-1989



assets exceeding an annual legal filing threshold. From the inception of the tax in 1916 until the 1970's, the minimum filing requirement ranged between \$40,000 and \$100,000; in fact, for most of this period it was set at \$60,000. Since 1976, the minimum filing limit has been rising fairly steadily. By 1982 it stood at \$225,000 and it reached \$600,000 in 1987. (The limit is scheduled to be \$600,000 in 1989 also, which is the next year that the FRB plans to conduct a major wealth survey.)

Using IRS tabulations, the first estate multiplier estimates made for the United States were by Mendershausen for 1922, 1924, 1941, 1944 and 1946 [34]. Mortality rates were adjusted based on data provided by the Metropolitan Life Insurance Company. In a later study, Lampman [35] produced a set of estimates for 1953. Lampman also conducted an extensive study of the wealth of estate taxpayers from 1922 through 1956. Smith produced estimates for 1958 [36], following the approach taken by Lampman. Scheuren [37] produced the first Internal Revenue Service personal wealth estimates (for 1962). Later, IRS wealth estimates were made by Crossed for 1969 [38] and Gilmour for 1972 [39]. In 1974, Smith and Franklin [40] revised the estate multiplier technique to produce new estimates of wealth for 1922 to 1969. Recently, estimates of estate tax wealth have been made for 1976, 1981 and 1982, largely by Schwartz and his colleagues [41]. Smith has also produced figures for some of those years [42]. In the remainder of this section we will go on to describe the estate multiplier method and point out some of its major limitations, especially those involving the calculation of the multipliers themselves.

Basic Approach

To start things off, we might begin by noting that the estate multiplier method assumes that "death draws a random sample of the living population." This assumption allows one to apply statistical sampling theory to the result obtained by weighting estate tax return data by the inverse of the mortality rate characteristic of the demographic group from which the decedent was "selected."

Let $\mathbf{x_i}$ be some measure of wealth, say corporate stock, taken from a sample of $i=1,2,\ldots,n$ decedents, where the probability of "death's selection" is denoted by π_i . The estate multiplier estimator of the total

$$\hat{\chi} = \sum_{i=1}^{n} \left(\frac{1}{\pi_{i}}\right) x_{i}$$
 (2.1)

is then seen to be simply a conventional Horvitz-Thompson estimator [e.g., 43], where $\pi_{\underline{i}} > 0$ for all n members of the population. (Incidentally, if the decedents are themselves a sample from all the returns available, then obviously our estimator should be of the form

$$\hat{\chi} = \sum_{i=1}^{n} (\frac{1}{\pi_i p_i}) x_i$$
 (2.2)

where the $p_i > 0$ are known return selection probabilities.)

Now the probabilities of dying, π_i depend on the particulars of an individual's life stateage and sex are variables that come readily to mind. However, many other characteristics have also been shown to be factors, including marital status, geographic location, social class and, obviously, a whole host of health indicators.

The IRS estate multipliers typically have been adjusted to take account of only three variables: age, sex and social class. In terms of the typology of Section 2, the assumption has been made that, for a given age and sex group, the social class differential in mortality is the same for the moderately wealthy and the very wealthy. Technically, the effect of this is to treat the other factors in the selection as ignorable [44] or, more informally, to assume simply that they average out, so that $\hat{\pi}_{\hat{\mathbf{1}}}$ is unbiased.

Another way to look at this is to consider estate tax return sample averages by age and sex (weighted by the inverse of the design probabilities, p, if necessary). By assumption, these sample averages are unbiased estimators of the "true" averages in the corresponding living population of wealthy individuals of the same age and sex, no matter what multipliers are chosen.

This is an important observation because to date there is no completely satisfactory method of estimating the multipliers. IRS practice has been to follow the 40-year old precedent of Mendershausen and to employ Metropolitan's whole life series (initially, for those with \$5,000 or more in coverage and, more recently, for persons with \$25,000 or more). Controversy exists on this issue and, indeed, the work of Smith [e.g., 45] employs selection probabilities that are less favorable to the wealthy than those used by IRS. Empirical studies of plausible alternative selection probabilities show that, while overall wealth estimates are affected greatly by our lack of knowledge of these probabilities, wealth composition is not particularly sensitive to the probabilities chosen. Intuitively, the main reason for this appears to be the relative robustness of the sample averages by age and sex, combined with the fact that alternative multipliers tend to raise or lower selection probabilities in such a way that the possible weights behave like a family of curves, when plotted by age and sex, each of which is roughly parallel to those being used by IRS [46].

Scheuren [37, 47] and Schwartz [14] go into the details of the calculation of estimates for the $\hat{\pi}_{\pmb{i}}$. It seems unnecessary to rehash that

material beyond noting that, for intertemporal comparisons, reasonable alternative multipliers will yield roughly the same trends, provided that the calculations at each point in time can be carried out in a consistent manner.

The issue of what multipliers to use may never be settled, but recent results from longitudinal studies of the population will allow us to recast the concerns which exist. For example, the National Death Index [48] could be linked to surveys like the National Longitudinal Survey [49] and the Retirement History Survey [50]. Both of these vehicles obtained asset information; if linked to the National Death Index, mortality differentials by wealth status (and a host of other factors) could be calculated [51]. A similar effort involving SIPP, or even the 1983 FRB Study, would also be desirable, if that could be initiated.

Variances and Other Limitations

If we assume that death's selections are, for the most part, independent from one individual to another, then there are a number of variance estimators available. For example, to estimate the variance of \hat{x} as given by expression (2.1), we could employ [52]

$$\frac{1}{n(n-1)} \sum_{i \neq j} \left(\frac{1}{\pi_{i} p_{i}} x_{i} - \frac{1}{\pi_{j} p_{j}} x_{j} \right)^{2}$$
 (2.3)

where the summation is over all different pairs of selections drawn in the sample. Another possibility that has been tried is balanced repeated replication [53], with months of death being paired based on overall similarities in mortality experience [54].

One problem with the Horvitz-Thompson variance estimator is that if we simply substitute $\widehat{\pi}_{1}$ for π_{1} , we are effectively treating the multipliers as being without error. The balanced repeated replication approach, if the $\widehat{\pi}_{1}$ are recalculated for each pair of months, is an improvement over expression (2.3), because it captures some of the variability of the $\widehat{\pi}_{1}$; however, it severely restricts the degrees of freedom available.

Another variance estimator that might be more satisfactory, albeit much more work than either of the above, could be developed as follows:

- First, information about the variability of the $\widehat{\pi_i}$ can be obtained from the data smoothing process that went into their estimation. A prior distribution also could be postulated for the π_i explicitly bringing in our uncertainty about their true values.
- Second, we could then draw samples from the posterior distribution of the $\widehat{\pi}_{j}$ and simultaneously make stratified bootstrap selections from the overall estate tax decedent file [55].

This approach has more the flavor of sensitivity analysis than the others; however, that seems entirely appropriate under the circumstances and may be well worth trying.

Before going on to the next section one other aspect of "death's selection," while obvious,

may need to be underscored. It is simply that, by and large, death is not a random point in an individual's life. No amount of adjustment may fully compensate for this. For example, the effects of terminal illness may result in a smaller estate or a larger debt burden.

In a 1976 study [54] done at the Social Security Administration, it was determined that earnings for decedents became unrepresentative up to six years before death, with very sharp effects in the last two years or so. For a stock measure, like wealth, rather than a flow measure, like earnings, we speculated at the time that the effects would be much smaller. We are no longer so sure of this, especially given the recent advances in the prolongation of life. Certainly for many noncorporate businesses, changes in the asset value of the business might parallel possible declines in income.

3. CONCEPTUAL COMPARISONS BETWEEN FRB AND IRS WEALTH ESTIMATES

Extensive comparisons have been made by a number of researchers between the 1962 estate tax wealth estimates and the corresponding figures produced by Projector and Weiss from the 1962 FRB work [e.g., 56]. The results of the two approaches seem remarkably close, especially given the initial differences which existed between the 1982 IRS estimates of wealth and those taken from the 1983 FRB effort. The differences between the 1982 IRS and 1983 FRB estimates are still striking and are too large to be entirely attributable to sampling error. The comparability of the 1962 estimates, on the other hand, would be remarkable even if sampling error was the only source of differences. That closeness is probably partially coincidental.

When the original survey figures came out for 1983, they were quite surprising to us, in that they showed an upward movement in the concentration of wealth, which was not reflected in the estate tax data [14, 42]. Frankly, we felt that there had to be an error in the survey results. This, of course, turned out to be the case. Even after correction, however, large discrepancies still remained; clearly, more work was called for.

We had already started, with help from the Census Bureau, to carry out an in-depth analysis of the possible nonresponse bias in the IRS high income sample. (Research in this area will be reported elsewhere in detail [57]). We then began working with the Federal Reserve Board and the Institute for Social Research's Survey Research Center to see if there were other ways to help. A collaborative effort was undertaken, which still continues. Among other things, that effort has addressed the development of alternative FRB survey weights—a topic touched on elsewhere at this session and, hence, one that will not be covered here.

An intensive examination of the estate tax wealth estimator also seemed in order. Particu-

larly troublesome was the sharp drop in wealth concentration which occurred for 1976 and which was coincidental with major changes in the estate tax law at about that time. We didn't have a good explanation for this and we needed one, especially since the preliminary 1981 and 1982 data showed that only a minor upward shift had been made since then. The paper by McCubbin [15], mentioned earlier, was written in part to address these concerns. This discrepancy has yet to be resolved, but we are continuing to study the issue.

At the suggestion of Bob Avery at the FRB, we looked closely at a number of the many valuation issues that plague the estate multiplier. For example, what is the net effect of using unaudited, rather than audited, tax returns? What about trust assets, transfers in anticipation of death, the tax treatment of jointly owned property and so on? There hasn't been enough time to come to a definite conclusion on each of these issues. (Indeed, there may never be enough time for some of them.) Small samples were studied in a few cases, though, and we consulted with experts on the law and administration of the estate tax to see what, if anything, might have changed in recent years.

Asset-by-Asset Comparisons

The review undertaken by McCubbin [15], and related work for the present paper, allow us to discuss Avery's conjectures (and others). This is done below on an asset-by-asset basis.

Financial Assets.--Financial assets (cash, corporate stock, bonds and notes and mortgages) appear to be extremely well reported on the estate tax return and in a manner, for the most part, that is conceptually consistent with that in the FRB study. Some net undervaluation of corporate stock may exist, because of the fact that the returns used are unaudited; but, in the sample studied by McCubbin, this impact was quite small--only about 2 percent. Undervaluation of the other financial assets appears to be even less of an issue.

The estate tax law was changed in 1976 to provide special use valuation provisions for farmers and owners of closely-held businesses. could have led to some further undervaluation of corporate stock; however, because of the stringent nature of the requirements allowing for this provision and the limitation of the reduction to \$500,000, the effects on wealth estimates may be slight and, in any case, would be more significant for smaller estates. (The reduction limit was raised to \$600,000 for those dying in 1981, \$700,000 in 1982 and \$750,000 for decedents in 1983 and thereafter.) Another valuation technique available for corporate stock, the "blockage adjustment," has been available since 1958. If the decedent owned a sizable percentage of a corporation's traded stock, a downward adjustment of the stock's selling price was allowed, if the executor could prove that the disposal of the stock would cause its market price to be depressed.

Nonfinancial Assets.--The various valuation issues are considerably more important for nonfinancial assets (real estate, noncorporate business equity, and other, mainly tangible, assets). Miscellaneous assets, for example, in the McCubbin sample had an adjusted value after audit that was 4 percent greater than its preaudit amount. Real estate increased by 2 percent during audit. The special use valuation provisions mentioned above also apply to real estate, although again our belief is that these would have only a limited effect. Changes in the treatment of jointly owned property also need to be considered. After 1976, only one-half of the value of certain joint property owned by spouses must be included in the estate. After 1981, only one-half of any joint property owned by spouses must be included, regardless of which spouse furnished consideration for the property [58]. This could have a sizable effect particularly on time series comparisons of wealth concentration. According to Schwartz [14], for 1982 about \$213 billion was held by wealthy married individuals as their share of jointly owned property.

We have already commented on valuation issues with regard to noncorporate business equity. Unquestionably, the valuation of these assets may be affected by the death of the owner (or part-owner). In addition, the special use valuation provisions described for closely-held corporate stock apply to unincorporated businesses, as well.

In the case of other (nonfinancial) assets, it was conjectured that there might be some problems in locating all of this miscellaneous property for estate tax purposes. In addition to automobiles, furnishings and personal property, the category of other assets includes such things as works of art, copyrights, royalty interests, and gift taxes paid within three years of death. The McCubbin sample found, however, only a few cases where previously unincluded property was added as a result of audit. Virtually all of the 4% increase in the value of other assets was due to revaluations of property.

Insurance and Life Interests.--Insurance, annuities and trust assets in which the decedent possessed only a life interest are particularly troublesome to value properly using estate tax data. The face value of includable life insurance comes into the estate. In the past, an adjustment has been made to lower the face amount to its cash surrender value, but this is a rough adjustment at best. Annuities and life income interests in trust, plus pension and social security wealth, are seriously undervalued or omitted altogether. One solution to this problem is simply to change the scope of the wealth estimates to exclude these assets. This is possible; however, it may result in misleading conclusions about wealthholding patterns in the United States, since pension wealth, for example, has grown enormously in importance in recent years. As noted earlier [in 29], linkages between the estate and income tax returns for decedents and beneficiaries are

being carried out; these might be a source for a partial correction of such problems (especially if carried back far enough for decedents and forward enough for beneficiaries).

Some Other Considerations

Three other overall estate tax valuation issues might be mentioned briefly, even though their effects for 1982 appear likely to be small.

- First, there is some flexibility available in the point at which an asset can be valued for estate tax purposes. While usually the date of death value is used, this need not be the case. As a result of this option, on balance there was a slight decrease in the total assets estimated for 1982 for the wealthy; however, this was far less than 1 percent overall.
- Second, originally all gifts (and related gift taxes) made within three years of death, in contemplation of death, had to be reported on the estate tax return. The 1976 Act required that all transfers made and gift taxes paid within three years of death, regardless of motivation, be included in total gross estate. After 1981, this changed again so that only certain transfers made within three years of death, but all gift taxes paid, had to be included. We are not sure, but it is likely that the estate tax wealth series may have been affected because of these changes, relative to what it was historically. Certainly there is an overstatement relative to what a survey would measure. Such gifts have two chances of being "sampled" (since both donor and donee would have them in their estates if they died); hence, their inclusion in estate tax wealth leads to double counting. Including gift taxes paid is entirely inappropriate since the wealth is no longer in the household sector at all. The extent of this problem does not appear great; however, no current estimates are available.
- Third, in general the wealth of an individual declines during the last few years prior to death, as assets are transferred to heirs or as savings are depleted by expenditures during retirement, including those for the expenses of last illnesses. Thus, the value of many estates might be less at death than at some other (random) some assets Ιn addition, particular are especially likely to decrease in value at death. The undervaluation of annuities was mentioned earlier. The gross estate includes the value of an annuity or pension payment that a beneficiary is due to receive because he or she survives the The value of payments which decedent. terminate at death are not included. Similarly, income interests in trust assets which terminate at death are not included in the estate. In this case, the decedent did not legally own the assets from which

the income was derived and so these assets are not included in the estate. (The income stream is not included, as it terminates at death.) Yet even though the decedent did not own the assets for estate tax purposes, he or she benefitted from them and the exclusion of them results in an understatement of economic well-being.

The value of business interests may also decline at death, especially if the decedent was a sole proprietor or important partner in the business. The value of professional (medical, legal) practices certainly could fall around the time of death, since human capital is lost. Survey methods may be more useful in capturing this type of wealth. There are also ways to correct for the decline in wealth which occurs near death. Income tax or other data can be collected and later matched with estate tax records, to provide a picture of economic well-being for more than one point in time [59].

Summary

While our analysis of valuation concerns in this section is incomplete and preliminary, we conjecture that most of the valuation issues on the estate tax are relatively small, correctible or both. In particular, we believe that, within the conceptual limitations of the estate tax law, the assets shown on estate tax returns are extremely well reported. They draw notable strength from having been taken from administrative records, by highly skilled people and under exacting legal sanctions.

Unlike survey data, such as that collected in SIPP (or in the FRB study), it is thought that estate tax returns do not suffer greatly from response variation. One exception may be for particularly hard-to-value assets, such as an interest in a partnership or closely-held corporation or real estate assets for which there are no ready markets; in such cases, the valuation may be subject to some difference of opinion. Usually there is a financial stimulus for the executor to use the lowest value he thinks can be sustained. It is not uncommon. therefore, that valuations are changed when returns are subjected to audit. In the McCubbin study, such increases occurred nearly half the Even so, the percentage changes were fairly small overall and not always in the same direction.

It should be noted, by the way, that sometimes there are good financial reasons for the executor to select the higher rather than lower value of an asset. Because the estate valuation establishes the basis for future taxation of the asset in the hands of the heirs, a higher basis may minimize income taxes, so that while a higher estate tax is paid the net effect is a tax saving. For example, a higher basis for business property subject to depreciation will increase the allowable deductions for depreciation; a higher basis for property which the heirs intend to sell will minimize the income

taxes paid on the difference between the estate tax return valuation and the selling price.

While on balance estate assets may be undervalued, the McCubbin data indicates that this bias is small. Even if the outdated study by Harriss is used as a guide, the bias in valuations would still be fairly modest. [60] A larger sample of more recent returns would be needed to conclude this definitively, but it seems unlikely that undervaluation can be a major factor in explaining FRB/IRS differences.

On the other hand, we feel less comfortable about whether or not ownership issues are a factor in the FRB/IRS differences. De facto and de jure differences may exist and there could be some confusion on the survey leading to double counting. Large swings are possible in the estate multiplier estimates depending on how jointly owned property is treated.

Undoubtedly the timing of the estate tax valuations is of some importance. As previously discussed, some assets decrease in value when the owner dies. The value of at least one asset, life insurance, increases at death. (We can correct for this, however.) In addition, the savings of many nonwealthy and moderately wealthy individuals may be depleted after retirement, especially during the last illness. The FRB estimates, on the other hand, are based on a survey of individuals at various life stages.

Individual assets, as we have seen, may be systematically undervalued on the estate tax return due to particular provisions of the law allowing for special valuations in certain cases for family businesses and farms. While we speculate that this cannot be a major factor, we have no data yet to back that up. It certainly will have some effect on time series comparisons with earlier estate multiplier estimates, as will the change in the treatment of jointly owned property and lifetime transfers. On the survey side, we conjecture that there may be some confusion about where to report certain assets. For example, notes and mortgages could be too low in the FRB study and real estate too high, as a consequence.

The way the "other assets" questions were asked in the survey suggests that a great deal of wealth may simply have been missed altogether. On the estate tax returns, based on a small sample study, we found all kinds of property that were not showing up at all in the survey or, if reported, were being mentioned far less frequently [61]. As noted above, these assets include jewelry, art work, home furnishings, copyright interests and other items.

4. NUMERICAL COMPARISONS BETWEEN FRB AND IRS WEALTH ESTIMATES

This section continues the discussion of differences between the 1982 Estate Tax Wealth

estimates and those made by the Federal Reserve Board for 1983. To make the numerical comparison shown here, we obtained the help of the Federal Reserve Board in producing special tabulations of individual than wealth from their data on household wealth. Asset by asset price adjustments were made to shift the 1983 FRB figures to 1982 price levels [62]. Attention was confined for each asset type just to individuals or estates with \$500,000 or more of that asset since estate tax returns with gross estate of less than \$500,000 did not have to report asset by asset detail for 1982 decedents. To the extent possible, we have omitted assets that clearly would not be comparable, notably insurance, annuities and pensions interests. Comparisons are made in two ways. First there is an overall discussion of differences in average amounts; this is followed by more detailed distributional comparisons.

Comparisons Between FRB and IRS Asset Averages

Comparisons between FRB and IRS asset averages are made in Figure D. Substantial differences exist. For example, all but one of the individual asset amounts show the IRS average to be higher than those from the FRB survey (and four of these differ by about 20 percent or more). The one exception--real estate--may arise, in part, due to the difference between the two sources in the treatment of jointly owned property. We estimate that 80 percent of the joint property owned by married individuals is real estate. Adding 80 percent of the unincluded joint property held by married IRS top wealthholders to the real estate total yields an average real estate figure of \$1,402,395, or \$24,804 less than the FRB average. This adjusted figure may be conceptually closer to the FRB estimate.

The two totals for financial assets and gross assets show FRB average amounts greater than the corresponding IRS figures. This seems a paradox given the fact that nearly all of the individual components that make up these amounts differ in the opposite direction. The reason for this apparent contradiction lies in the large differences in the relative frequencies of the FRB and IRS amounts. In particular, for corporate stock, real estate and noncorporate business assets, the FRB survey reports many, many more individuals holding that asset type than does IRS. (See Figure E.)

As an aside, it might be noted that we are not uncomfortable about the differences at the mean for each asset type. These accord with our expectations about the relative strengths of the estate and survey approaches to wealth estimation. What troubles us greatly are the large differences in the relative frequencies for each asset type. At this point we are unable to account for these. Weaknesses in the estate multiplier being used could be one contributing cause, but it is hard to attribute all of the differences to this one factor. Some uncertainty in how the FRB weighting might be done is another possibility which we are still exploring.

FIGURE D.--Comparison of Federal Reserve Board and Estate Multiplier Wealth Estimates

(Average amounts in thousands of dollars; data confined to observations greater than or equal to \$500,000 in each category.)

		*		
	Average	Amounts	Diffe	rence
Asset Type	Federal Reserve Board	Internal Revenue Service	Amount	Percent
·	(1)	(2)	(3)	(4)
Total assets	1,504	1,269	235	15.6
Financial assets	1,463 828	1,430 878	33 -50	2.3 -6.0
Stock Bonds	1,350 1,052	1,601 1,305	-251 -253	-18.6 -24.0
Notes and mortgages	858	1,105	-247	-28.8
Real Estate Noncorporate business	1,426 1,407	1,020 1,437	406 -30	. 28.5 -2.1
Other	724	1,316	-592	-81.7

Source: The FRB data are the basic "corrected" data that have been made publicly available, deflated from 1983 to 1982 [62]. The IRS data are the final 1982 estimates made by Schwartz [14]. See the text for a discussion of the differences found.

FIGURE E.--Comparison of Federal Reserve Board and Estate Multiplier Frequency Estimates

(Frequency of wealthholders in thousands; data confined to observations greater than or equal to \$500,000 in each category.)

	Fre	quency	Difference		
Asset Type	Federal Reserve Board (1)	Internal Revenue Service (2)	Frequency	Percent	
Total assets	2,581	1,832	749	29.0	
Financial assets Cash Stock Bonds Notes and mortgages.	927 53 661 93 20	660 56 335 72 32	267 -3 326 21 -12	28.8 -5.7 49.3 22.6 -0.6	
Real Estate Noncorporate business. Other	718 370 19	446 71 71	272 299 -52	37.9 80.8 -273.7	

Source: The FRB data are the basic "corrected" data that have been made publicly available, deflated from 1983 to 1982 [62]. The IRS data are the final 1982 estimates made by Schwartz [14].

Comparisons Between FRB and IRS Asset Distributions

When FRB and IRS asset distributions were compared in our presentation of this paper at the ASA meetings, they were shown graphically, in terms of the cumulative percentage of individuals in each asset size class. (See, for example, Figure F.) The discussant, Edward Budd, noted that the graphs were difficult to interpret, because of the closeness of some of the curves. In response to his comments, we have re-presented the information here, employing quantile-quantile (Q-Q) plots, as described by Wilk and Gnanadesikan in 1968 and reviewed by Hoaglin et al.[63]. By this method, a plot of the inverses of the two cumulative

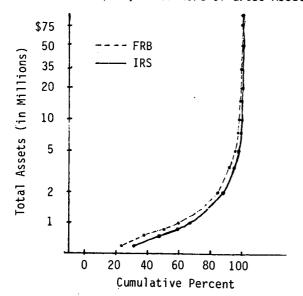
distribution functions, F
$$_{IRS}^{-1}(\mathbf{p_i})$$
 and F $_{FRB}^{-1}(\mathbf{p_i})$,

can be used to compare the shapes of the distributions as well as look at differences in their means and variances. In particular, the Q-Q chart corresponding to Figure F is shown alongside it as Figure G. Notice first that both plot the data on the "Y" or vertical axis in the same way, i.e., by size of total assets beginning at \$500,000.

for Figure F, the X or horizontal axis is the cumulative percentage of estates or individuals with total assets less than or equal to the amount shown on the Y axis. Thus, we see that for the estate top wealthholder data there are 68 percent with assets of \$500,000 to \$1,000,000; the corresponding percentage for the FRB survey is 60 percent.

For Figure G the Y axis is the same as the X axis, i.e., it plots total assets by size. The difference between the \boldsymbol{X} and \boldsymbol{Y} axes is that on the X axis we plot the FRB data at a fixed set of percentiles, while on the Y axis, we plot the IRS data at the same set of percentiles. Three lines are shown in Figure G:

Figure F.--Cumulative Percent of Individuals/ Households with \$500,000 or More of Gross Assets



a dashed line, which corresponds to the actual plot of the pair of points

$$F_{IRS}^{-1}(p_i)$$
 and $F_{IRS}^{-1}(p_i)$ for p_i

at each decile .40, .50, .60, ..., .90 plus at .95, .98, .99, and .995;

- a straight-line smoothing of the basic F_{IRS}^{-1} $(\mbox{p}_{i}),\ F_{FRB}^{-1}$ (\mbox{p}_{i}) data we obtained by employing ordinary least squares using the equation (4.1) below; and
- a bold-faced 45 degree line that passes through the origin. This last line is included for reference.

We derived Figure G from Figure F by taking the two original simple cumulative distributions for the FRB and IRS data and then interpolating at the Pi values mentioned above. To do the interpolation, we used new procedures described in a companion paper being given at these meetings [64].

Now, if the distributions are exactly the

same, the plot of F
$$_{\rm IRS}^{-1}({\rm p_i})$$
 versus $_{\rm F}^{-1}_{\rm FRB}({\rm p_i})$

will form a straight line which passes through the origin and has a slope of 1. If the distributions do not have the same shape, the

plot will be nonlinear. In general, if $F_{IRS}^{-1}(p_i)$

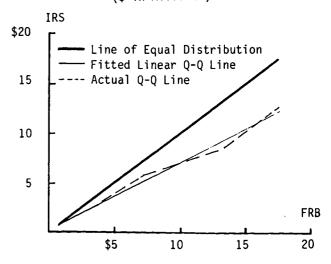
and F_{FRB}^{-1} (p_j) have the same shape, then the Q-Q plot is of the form

$$F_{IRS}^{-1}(p_i) = \mu + \sigma F_{FRB}^{-1}(p_i)$$
 (4.1)

where the mean μ is a scaled difference between the mean of the IRS data $\mu_{\mbox{\scriptsize IRS}}$ and the FRB data, the mean μ_{FRB} , i.e., $\mu = \mu_{IRS} - (\frac{\sigma_{IRS}}{\sigma_{FRB}}) \mu_{FRB}$

(4.2)

Figure G.--Quantile-Quantile (Q-Q) Plot for Total Assets, FRB and IRS Distributions Compared (\$ in Millions)



The quantiles σ_{IRS} and σ_{FRB} are the population standard deviations of the IRS and FRB distributions, respectively. (Estimates of μ_{IRS} and μ_{FRB} have, of course, already been provided in Figure D.)

between 🙏 The slope of the linear relationship F_{IRS}^{-1} and F_{FRB}^{-1} in expression (4.1) is of the form $\sigma = \frac{\sigma_{IRS}}{\sigma_{FRB}}$ (4.3).

$$\sigma = \frac{\sigma \text{ IRS}}{\sigma \text{ FRB}} \tag{4.3}$$

Hence, 'if σ = 1, the variances of the IRS and FRB are equal and if, further, μ = 0 and the shapes are same, then expression (4.1) will be a straight line through the origin.

Quantile-Quantile Chart Comparisons.

Given the machinery we have just described, what can we conclude from Figure G about the differences between the IRS and FRB measurement of total assets for persons with \$500,000 or more in gross wealth?

- First, as to shape, the dashed line definitely is not straight; it is not badly bowed, however; hence, we might be willing to conclude that the two distributions are not that dissimilar.
- Second, the slope of the Q-Q plot of total assets is less than 1, indicating that the IRS distribution rises faster than that from the FRB survey (in fact, $\hat{\sigma} = .69$).
- Third, as we have already seen in figure D, μ IRS and μ FRB differ at the mean for total assets and this, along with dispersion differences, i.e., θ 1 yield the value $\hat{\mu}$ = \$231,240.

All in all, the Q-Q chart for total assets nicely extends the insights of Figure D and indicates that despite large differences at the mean, there are still important similarities, at least as to shape.

Figure H provides a complete set of Q-Q charts for each asset type, beginning with financial assets as a total, then graphing each of its components: cash, corporate stock, bonds, and notes and mortgages. Three nonfinancial assets also are shown: real estate, noncorporate business assets, and other assets. In what follows, we will comment on each of these briefly:

Cash.--The FRB distribution rises very fast and Tooks to be quite different in shape from the corresponding IRS data as well. We speculate that reporting of cash in the survey was less complete than on the estate returns, with the consequences that the IRS mean is greater and the IRS distribution is more spread out (with $\hat{\sigma}$ = 2.27 and $\hat{\mu}$ = -\$1,001,560).

Corporate Stock. -- The shapes of the IRS and FRB stock distributions are fairly similar over at least a portion of their range. The IRS distribution does rise faster than the FRB around

the 60th through 90th percentiles, possibly due to some rounding by the survey respondents in their answers. The IRS mean is higher than that for the FRB and, on the whole, the IRS data are somewhat more spread out (with $\hat{\sigma}$ = 1.23 and $\hat{\mu}$ = -\$59,500).

Bonds.--The shapes of the IRS and FRB distributions for bonds seem very similar, although there are sizable differences in relative dispersion and in overall means. The IRS data have a much heavier tail than the FRB survey information (with $\hat{\sigma}$ = 1.77 and $\hat{\mu}$ = -\$557,040).

Notes and Mortgages.--Notes and mortgages are very infrequently reported in amounts of 500,000 or more in the FRB data. The Q-Q plot, perhaps for sampling reasons, shows almost no relationship between the two possible distributions. Nonsampling errors due to misclassification of notes and mortgages as real estate are conjectured to be a factor in the survey as well. (In any event, $\hat{\sigma}$ = 4.23 and $\hat{\mu}$ = -\$2,524,340.

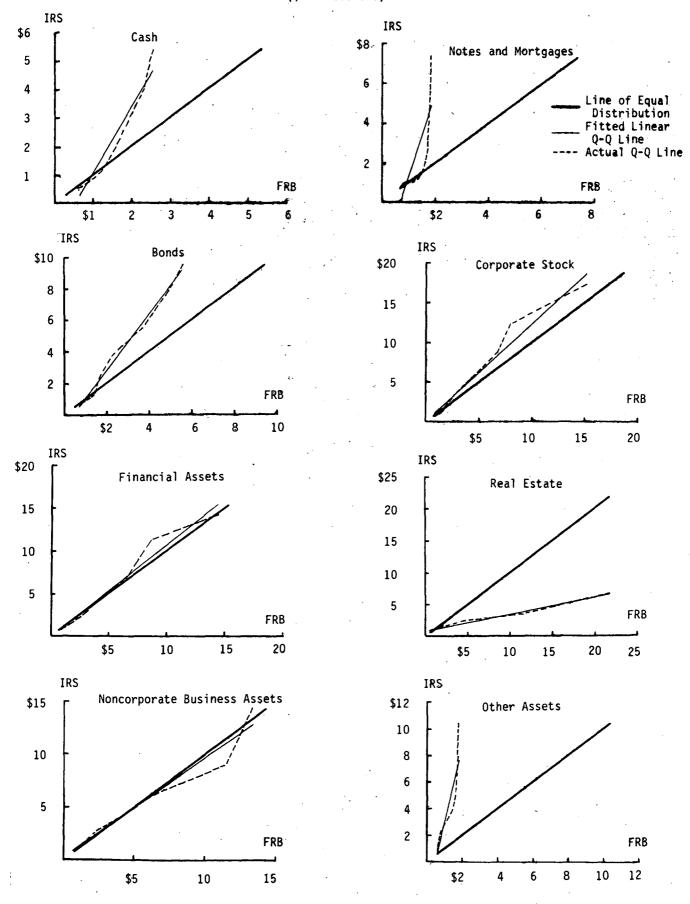
Financial Assets.--Financial assets appear quite similar in distribution between the FRB and IRS data sets. There is still a slight bow in the shape (caused by the dominance of corporate stock). Differences in the other components (bonds, cash, and notes and mortgages) tend to cancel out somewhat. The IRS and FRB distributions have nearly the same variances (with $\hat{\sigma}$ = 1.01) and differ in their means only slightly as well ($\hat{\mu}$ = -\$47,630).

Real Estate.--For all intents and purposes, the IRS and FRB distributions for real estate are identical in shape. On the other hand, they differ greatly in their means and variances (with $\hat{\sigma}$ = .26 and $\hat{\mu}$ = \$649,240). The IRS data source is picking up considerably less real estate overall, perhaps partly due to the possible difference in the way jointly owned property is being treated. As we noted earlier in Figure D, if 80 percent of jointly owned property is added to the IRS real estate amount, than the difference between the FRB and IRS mean shrinks from \$406,000 to about \$25,000. have not replotted the real estate Q-Q chart to see what this change would do to the distribution as a whole, but that effort is

Noncorporate Business Assets.--We were quite surprised, given the valuation issues surrounding this asset, at how close the FRB and IRS distributions came. As with corporate stock, there is a bow in the Q-Q chart (which, again, could be due to rounding in the survey). In any event, the IRS distribution rises more quickly between the 60th and 80th percentiles (and less quickly between the 90th and the 98th percentiles). The means and variances of the two distributions are quite close (with $\hat{\sigma}$ = .95 and $\hat{u} = $100,350$).

Other Assets.--As with notes and mortgages, we see little similarity between the FRB and IRS distributions for this component. Ample evidence, as already noted, seems to indicate seems to indicate

Figure H.--Quantile-Quantile (Q-Q) Plots for Each Asset Type, Federal Reserve Board and IRS Distributions Compared (\$ in Millions)



that the survey may have omitted large amounts of other assets. On the other hand, the IRS data may overstate this component, due to the inclusion of gift taxes paid within three years of death. (In any event, $\widehat{\sigma}=5.75$ and $\widehat{\mu}=-\$2,847,000\cdot)$

Other Considerations

In this section and the last, we have only touched the surface in our comparisons between FRB and IRS data. Most of what has been done can be taken as illustrative of the issues which exist and of how hard it will be to pin down any specific difference to a particular cause or set of causes.

The approach taken has been descriptive and exploratory. Detailed calculations of sampling errors from the FRB and IRS data sets remain to be carried out within the context of the comparisons made here. We originally planned to have some information on these, but time ran out on us. We now expect to report on these later.

5. FUTURE PLANS

The new initiatives by the Federal Reserve Board in measuring wealth deserve complementary, cooperative developments elsewhere in the Federal statistical system. Bob Avery's work and that of his colleagues at FRB, notably Art Kennickell and Greg Elliehausen, have enormously stimulated the IRS' personal wealth estimation program based on estate tax returns. As we have seen in this paper, there are a whole host of issues that need to be studied if these two sources (and others) are to be pieced together. Various levels of integration are possible, depending on the degree to which asset definitions can be made comparable and on our knowledge (or assumptions) about the error properties of each source. We may want to mix the two data sets (and others) in different ways, depending on our analytic objectives. Factors to consider in the blending of data sources include relative response (and nonreresponse) biases, response variation and, of course, differences in sample size. The research has simply not been done yet that will allow for a clear choice of approaches. There are some areas (like household and family statistics) that must be based heavily on a survey vehicle. On the other hand, heavy reliance on sources other than a survey may be essential for, say, detailed information on the aggregate wealth of individuals with net worth of \$10,000,000 or more. In between these two extremes there is a great deal of flexibility about how the multiple sources available could be used.

For example, for asset items known to be comparable between the survey and estate data and for which the survey response variance was not too great, a post-stratification approach using a variant of raking ratio estimation [65] might be possible. For asset items known to be better reported on the estate tax returns, some form of multiple imputation or multiple statistical matching might be tried [66], where the estate tax information is "matched" into the survey.

The item "other assets" might be improved on the survey by such an approach. Greenwood's work, cited earlier, bears on this point as well [25]. Finally, estate tax return data could be employed to model the upper tail distributions of each asset type as part of an error detection and outlier protection procedure; this would certainly help to avoid the problems that arose last summer [42]. Record check studies of survey reported asset information, like those conducted in the earlier FRB work [12] seem to be needed. When anomolies are detected, correcting response error or down-weighting the cases might be viable options [67].

All of these strategies rely on the notion that what we should do with our outside information is to use it to produce adjusted microdata survey records. This may not always be desirable; for example, in the case of the very wealthy, there are likely to be just a handful of survey schedules available. Less elaborate methods could be adequate or even superior, including just tabulating the survey and estate data. For the extreme upper tail of the wealth distribution, whether of families or individuals, an explicit modelling approach seems unavoidable. Relying on just survey records, however adjusted, won't be enough; even with major improvements here, the sample of the very wealthy will still need supplementation. The important work being done by Forbes [30] in this area might be of great assistance as pointed out by McCubbin [15]. Pareto smoothing of the upper tail also shows promise and needs to be given continued attention [64].

It is possible, given the retrospective nature of the comparisons that we will never be able to completely explain the differences between the 1983 FRB and 1982 IRS wealth estimates. Nevertheless, this exercise has already been a source of several valuable conjectures that have spurred special studies of IRS wealth measurement issues. Many more of these studies are needed and we hope to undertake some of them over the next several years. (See Figure I.)

More independent work on IRS' (or FRB's) part will not be enough however. For a major advance in our understanding to occur, a tightly coordinated joint IRS-FRB effort seems essential. The proposed 1989 FRB survey of wealth offers one such opportunity, since an estate tax multiplier estimation program is also planned for that year. Within the limitations of these two measurement mediums, there are a fair number of steps that could be taken to improve our ability to align the two data sets. Reducing definitional differences in asset types would be one example. Deeper exploration of types of ownership in both sources would be another, especially for jointly owned and community property but also for partnership holdings. A better method of using an IRS frame for high income individuals seems to be another area where improved cooperation would help greatly, provided legal restrictions on access can be properly addressed. We look forward to working cooperatively to produce better wealth estimates for 1989 and beyond.

has been the traditional adjustment here. A new study of the relationship between face and cash surrender values

might be valuable.

Figure I.--Selected IRS Estate Tax Multiplier Issues That Might Need to be Addressed in Piecing Together Personal Wealth Distributions

Issue	Implications	Research Needed
The undervaluation of assets including closely held corporate assets, non-corporate business assets and real estate is of some concern, as are laws allowing for special use valuation and the valuation of jointly owned property.	Wealth estimates will tend to be biased downward and the portfolio distribution of assets may be skewed away from the assets for which obtaining an accurate valuation is difficult.	More study of changes to asset valuations made during auditing, as described in Harriss [60] and McCubbin [15] could result in the development of a method to adjust asset valuations. The fair market value of property included at the special use value could be captured from the return. Types of jointly owned property could be captured in detail.
Some assets, in particular, terminable interests including some trust interests and some pensions, are not required to be included on the estate tax return.	Wealth estimates will be biased downward. This effect may be stronger for very wealthy individuals with more complex types of assets.	Additional review of the estate tax law in this area might enable researchers to understand better what types of adjustments are needed in the estate multiplier wealth estimates to correct for this omission. New sources of data can be looked at too. For example, the re-structured generation skipping transfer tax requires that lifetime trust interests be reported each time an interest terminates. A study of the new tax might improve our understanding of this area.
Some assets, including large blocks of stock in closely held corporations and business interests which derived value from the skill and experience of the decedent (eg., professional practices, small, owner-run businesses) decline in value around the date of death. In addition, debts usually increase at this time, due to the expenses of the last illness.	Wealth estimates will be biased downward and they will not reflect the wealth of the living population. The full importance of these assets will not be reflected in estimated portfolio distribution of assets.	Income tax data, if linked in, could provide a picture of economic well-being for more than one point in time. These data might also be grossed-up to provide estimates of the worth of income producing assets. Information on the length of the last illness will also be useful in determining when an individuals net worth might begin to decline. To the extent that they are identifiable on the estate tax return, debts due to the expenses of the last illness could be excluded from debt measures derived from the estate return.
Life insurance is one asset which increases in value at death.	Wealth estimates are biased up- ward and the estimated port- folio distribution of assets is incorrect.	The use of average cash sur- render values, rather than the full value of life insurance

is incorrect.

Figure I.--Selected IRS Estate Tax Multiplier Issues That Might Need to be Addressed in Piecing Together Personal Wealth Distributions--Continued

Implications Research Needed Issue The date of death value, which Wealth estimates may be biased. The alternate valuation date prois available on the estate tax vision complicates the timing (Prior to July 1984, executors issue by allowing executors to could use the alternate valureturn, should be used for elect to vlue estates six months ation election to increase the wealth estimation. after the date of death, rather value of estates, in order to than at the date of death value. avoid future income taxes. This is no longer allowed, so the bias for years to be studied in the future will be downward.) Changes in the estate tax code Fluctuations in the level and An ongoing study of the nature affect the scope and meaning of distribution of wealth and in and magnitude of such effects, estate tax data, making timethe portfolio distribution of along with the promotion of an awareness of the effects, may series analyses difficult. assets due to tax law changes may be erroneously attributed to make this complication more manexogenous economic factors. ageable (e.g., [15]). Selecting additional samples of returns for recent years (especially 1976) might also help us to assess reporting effects. When possible, wealth estiamtes for different points in time will be corrected for tax law differences which are measurable. Incomplete demographic informa-Wealth may be over- or underes-Longitudinal income tax data tion on decedents and the unknown timated by the estate multiplier or wealth survey data linked nature of differential mortality technique. with estate and probate rerates with respect to wealth complicords could be used to calcate the weighting of the "sample." culate mortality differentials by wealth status.

AFTERWORD AND ACKNOWLEDGMENTS

All-in-all there are clearly enough challenges in the area of personal wealth estimation to fill the professional lives of the authors of this paper and their colleagues at IRS many times over. We are greatly indebted to all those who helped us in the preparation of what turned out to be an interim report on the implication of FRB-IRS comparisons for future research.

Special thanks are due to Marvin Schwartz at IRS who has labored mightly in this field for many years. The importance of the fresh insights of Bob Avery, Arthur Kennickell and their colleagues at the Federal Reserve Board has already been noted several times. Their help in preparing special tabulations of the 1983 Survey was enormous. The early mentoring of Jim Smith and Dorothy Projector deserves a special note of gratitude. They have set the standard for leadership and excellence in this area and our hope is only to follow in their footsteps. The good sense and support of Beth Kilss and Wendy Alvey must also be mentioned,

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The Estate Multiplier Technique, Recent Improvements for 1989

By Barry W. Johnson and Louise Woodburn

he distribution and composition of personal wealth in the United States has attracted considerable attention in recent years. The effects of changes in tax laws, and other public policies, on the economy and on the concentration of wealth have been widely debated. Accurate and comprehensive estimates of wealth, however, are difficult to obtain because individuals are not generally required to report wealth information on any tax return or other public document. The most common methods of estimating personal wealth are collecting wealth data directly via a survey, such as the Federal Reserve Board's Survey of Consumer Finances [Kennickell and Shack-Marquez, 1992, Avery and Kennickell, 1992, capitalizing income flows reported on individual tax returns [Greenwood, 1981], or using wealth data reported on Federal estate tax returns. This paper focuses on the third alternative, using the 'estate multiplier technique' to estimate the wealth of the living population from estate tax return data collected by the Internal Revenue Service's Statistics of Income Division (SOI).

This paper is divided into four sections. The first will review the estate multiplier technique, the underlying data base, and some of the conceptual challenges associated with the methodology. Next, we will look in detail at the application of the methodology and at the uncertainty associated with the estimation technique by quantifying the effects of our assumptions on the variance of the resulting estimates. We will then evaluate our estimates by comparing them to those developed using the Federal Reserve Board's 1989 Survey of Consumer Finances. Finally, some areas for future research will be discussed.

I. The Technique, Data, and Conceptual Challenges

Researchers have been using the estate multiplier technique since the beginning of the 20th century to draw conclusions about the wealth of the living population by studying the wealth of the deceased. The multiplier technique assumes that estate tax returns, taken as a whole, represent a random sample of the living wealthy population, and thus provide a means of producing reasonable estimates of personal wealth utilizing existing data. These estimates are limited by the estate tax filing threshold, which is currently \$600,000 intotal gross estate. While this threshold is somewhat restrictive, the resulting estimates account for the top 1 to 2 percent of the population. In 1989, these top wealthholders controlled between 25 and 30 percent of personal wealth in the U.S. [Johnson and Schwartz, 1993].

The multiplier is equivalent to a sampling weight where the probabilities of selection include the probability of being a decedent and that of being included in the SOI sample of estate tax returns. The difficult computation is the probability of being a decedent. Death is not a truly random event and therefore the decedent sample is not a simple representative sample of the living population under consideration. The probability that a person will die in a given year depends on many factors. Age and sex have often been taken as the most important factors relating to mortality. However, there is much evidence that the wealthy have mortality rates significantly lower than those of the population as a whole, perhaps due to better access to health care, better nutrition, less hazardous occupations, orbetter housing [see Menchik, 1991, Kitagawa and Hauser. 1973]. Thus, the probability of being a decedent in our sample has two components, a mortality rate, based on age and sex, and an adjustment, called a differential, which adjusts the mortality rates of the general population for the added longevity of the top wealthholder population. The mathematical expression of the estate multiplier is given in equation (1).

(1) MULT = 1 / (p * r * d) where:

p = probability of selection to the estate tax sample,

r = mortality rate,

d = rate differential.

There have been several studies as to the best way to compute the differentials. The first researchers to try to make such an adjustment to mortality rates were Daniels and Campion in preparing wealth estimates for England and Wales in the 1920's [Daniels and Campion, 1936]. Horst Mendershausen was the first U.S. researcher to adjust mortality rates, applying them to IRS data from the 20's and 40's [Mendershausen, 1956]. He used data on the mortality experience of the Metropolitan Life Insurance Company for policies in the \$5,000 whole life classification to adjust white, age-specific mortality rates. He was also the first to attempt to isolate insurance values and make an estimate of the cash surrender value, an issue which is discussed in the next section.

Robert Lampman made similar estimates for 1953 based on IRS data [Lampman, 1962]. His estimates carried Mendershausen's work a step further, creating a composite mortality differential adjustment based on three factors: the mortality experience of professional, technical, administrative, and managerial workers for 1950; the 1953 whitemale mortality rates; and an average of the 1953 Metropolitan Life data with the data of male Ordinary Life Insurance policy holders. The IRS has been using data from Metropolitan Life comparable to that used by Mendershausen and Lampman to produce estimates since 1962.

Data Sources

There are three main components of the estate multiplier personal wealth estimates: the estate tax sample, the mortality rates, and the rate differentials.

Estate Tax Data

The 1989 SOI Personal Wealth data file is based on Federal estate tax return data compiled by the Statistics of Income Division (SOI) of the IRS. For the 1989 wealth estimates, the SOI estate tax data were derived from a stratified sample of estate tax returns filed from 1989 through 1991 for individuals who died in 1989. The sample is stratified by year of death, age at death, and by size of total gross estate (TGE). Only estates with a gross estate value of \$600,000 or more, the estate tax filing threshold, are included in the sample. All returns filed for both the very wealthy (those with gross estates of \$5 million or more) and the young (those under 40 years of age) were selected with certainty.

In the past, wealth estimates, such as the preliminary estimates for 1982, were derived from the SOI sample of estate tax returns filed in a particular year. Because a decedent's estate has up to nine months to file an estate tax return and an extension of six months is not uncommon, returns filed in a given year can include decedents who died in several different years. By sampling returns filed over a 3-year period, nearly all the returns filed for the cohort of 1989 decedents can be represented. We estimate that only 1 percent of 1989 decedents were not included in the study file. These decedents tend to have larger, more complicated estates. We use data for prior years to compute an adjustment to account for these decedents.

The strength of the estate multiplier technique is due, in part, to the nearly complete-coverage-of the wealthiest portion of the decedent population. Approximately 21,500 estate tax returns for individuals with total assets of \$600,000 or more are included in the 1989 SOI Personal Wealth file. Despite the sample size advantages, the limited number of returns filed each year for decedents who were young or very wealthy can make estimates for those sub-groups subject to considerable variance [Smith, 1965].

The number of very young or wealthy decedents tends to vary from year to year and is relatively small in comparison to their representation in the living population. This can result in significant short-term fluctuations in our estimates attributable solely to the 'sample variance' associated with these two groups. To dampen the effect of these variations, we 'smooth' the sample by including all returns for these individuals filed between 1989-91, without regard to the year of death. The data are then reweighted to represent the true 1989 decedent population.

Three measures of wealth are used in this article: gross estate (or gross assets), total assets, and net worth. The gross estate criterion is a Federal estate tax concept of wealth that does not conform to the usual definitions of wealth. Gross estate reflects the gross value of all assets, including the full face value of life insurance reduced by policy loans but excluding any reduction for other indebtedness. This is the measure used in assessing the estate tax and thus defines the individuals included in the top wealthholder group. The amount of total assets, a lower wealth value, is still essentially a gross measure. Total assets differ from gross assets in that the cash value of life insurance, i.e., the value of insurance immediately before the policyholder's death, replaces the 'at death' value of life insurance included in gross assets [1]. Net worth is the level of wealth after all debts have been removed from total assets.

Mortality Rates

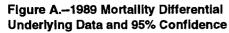
The mortality rates used here are derived from data compiled by the National Center for Health Statistics and are the death rates for white males and females in the United States, by 5-year age groups, for 1989. The rates range from .481 per 100,000 for females, age 20-24 years, to 179.78 per 100,000 for males older than 85. These rates are sample estimates and thus subject to sampling error; however, the sampling error is very small. Thus, we disregard the variance associated with these estimates in our analysis.

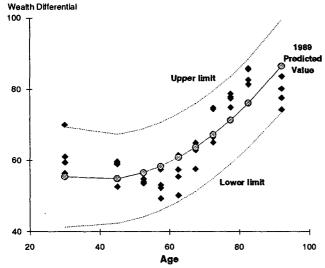
Rate Differentials

The rate differentials are derived from information supplied by the Metropolitan Life Insurance Company and are based on the expected vs. realized deaths of their large policy holders. We do not compute sex specific differentials, rather we account only for age at death differences. [2] Our 1989 differential estimates are predicting using differentials in 6 age categories for the years 1969, 1971, 1975 and 1978 from Metropolitan Life. We investigated different models for these data using age and year as the independent variables in an ordinary least squares regression. Year of death was not a significant predictor in any of the models. Our final model is given by equation (2):

(2) diff= $71.808-0.89(age^2)+0.011(age)+E\sim(N(0,5.95))$

The predicted values range from about 58% of the general mortality rate for those under thirty, to 85% for those age 90 and over. The plot in Figure A shows the data, the fitted regression line and the 5% and 95% confidence limits for the individual predictions. We incorporate the inherent model uncertainty in the variance computation as detailed in the next section.





II. Estimation Methodology

There are two main estimation concerns inherent in sampling applications: the computation of sampling weights and a methodology for computing variance estimates. We first describe the sampling weight computation which is itself composed of two steps: the computation of the selection probability and adjustments to this probability. As shown in equation (1) and discussed earlier, the selection probability consists of the mortality rate, rate differential, and probability of selection to the SOI sample. We refer to the inverse of this probability as the multiplier. Once all the components are known, we considered adjustments such as post-stratification and weight trimming.

The extremely skewed distribution of net worth is of particular interest to researchers. Because the underlying sample of estate tax returns was stratified by gross assets, which is not highly correlated with net worth, it would be appropriate to post-stratify. However, the necessary control totals are not readily available. Thus, our strategy was to constrain the tails of the net worth distribution to resemble a Pareto distribution, which is often used in wealth and income models.

For our purposes, the upper tail of the net worth distribution was defined as those individuals with net worth of \$250 million or more. In order to determine the parameters of the Pareto, we examined the empirical distribution of net worth implied by the individuals in the *Forbes* 400 for the years 1982-1989. We found that the data approximated a Pareto with parameters varying from 1/2 to 1/3. The SOI data were then divided into the following net worth categories: \$250 to \$450 million, \$450 to \$700 million and greater than \$700 million.

First, we decided to trim the multipliers in the bounded net worth categories at the 3rd quantile. The remaining unbounded category contained an estimated 45 individuals. The multiplier values in this category were fit to a Pareto of parameter 1/3, preserving the final estimate of 45. When these adjustments had been made, the distribution of individuals with net worth of \$250 million or more approximated a Pareto, so no further changes were made [3]

Similar adjustments were made for returns with extreme negative net worth (less than -\$1 million). These cases were grouped into three categories: -\$1 to -\$5 million, -\$5 to -\$15 million, and less than -\$15 million. Again, a distribution of the multipliers was computed and the multipliers trimmed at the 3rd quantile in each of the categories.

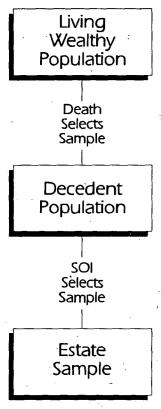
Variance Estimation

In this section we detail the methodology used in the computation of variance estimates. We quantify the uncertainty inherent in the estate tax data and in the differential used in the computation of the estate multipliers by developing distributional models for these components. These individual measures of uncertainty are used as input to a total error, as described later in this section. Such treatment of the multipliers as an unknown quantity with an error distribution was suggested by Scheuren and McCubbin [1987]. Our overall strategy is to select bootstrap samples that reflect the sampling process from the living population through the selection of the estate sample, incorporating the different estimation steps along the way.

The three components of the estate multiplier are the probability of selection to the estate tax sample, the mortality rate, and the rate differential. These approximate a two-stage sampling scheme, where the first stage is death, with the probability of selection equal to the mortality rate times the differential. The second stage is the SOI sample selection (see Figure B). Note that for both stages, the sampling unit is an individual. We have nearly complete knowledge of the probability of selection to the estate tax sample. The sample is a stratified random sample with sample rates varying from 7 to 100 percent. We also have some limited information for the entire population of estate tax filers. It is worth pointing out that the sample is poststratified to the population of filers. This allows us to adjust for returns that were misclassified due to keying errors prior to sample selection. Still, there is sampling error associated with the SOI sample.

Less is known about the probability that an individual will die in a particular year. While we have mortality rates, a degree of uncertainty must be attributed to this process as well. (We have already detailed our efforts to 'smooth' the





variance of the sample selection of the young and wealthy in section I.) Also, because the differentials are modeled using a time series of data, they add to the uncertainty of the multiplier [4]. In order to measure the contribution of each of these components of uncertainty (sampling and modeling) we choose the bootstrap method of variance estimation.

The bootstrap method of variance estimation is a resampling technique where many random samples are drawn, with replacement, from the original sample. The bootstrap samples are selected using the same sampling scheme as was used for the original sample. These bootstrap samples are used to produce estimates which are then combined to pro-

duce estimates of bias and variance for desired statistics. The advantage of a resampling method is that it is possible to estimate the variance of both linear and nonlinear statistics, and to incorporate uncertainty due to the estimation process. Additionally, inferential analysis, such as the computation of confidence intervals, is not limited to the assumption of an underlying normal distribution; the actual distribution of the bootstrap sample estimates can be studied.

In order to select bootstrap samples, we must recall that the estate tax sample is derived from a two-stage selection process. This sample is not a traditional cluster sample because the sampling unit is the same for both stages and the samples are selected independently of each other. However, the estate sample is a subsample of death's decedent sample. We assume death's sample is stratified by age at death and sex. In order to capture the sampling variance due to death's selection, we recreated death's decedent sample. Based on the SOI sample weights, records were duplicated creating a decedent sample of 53,000 (the total number of estate tax filers who died in 1989). We then resampled, with replacement, in the age/

sex categories we used in assigning mortality rates--our assumed stratification of death's sample.

At this point, we have a 'bootstrap decedent sample' reflecting death's selection. From here, we reselect an SOI estate tax sample, according to the original SOI sample design. We now have a bootstrap estate sample incorporating both the sampling error attributed to death, and that attributed to the SOI sample. Next, we choose a differential from the estimated distribution, incorporating the model error. We constrain the differential choice to be within the computed 95% confidence interval, seen previously, to keep the resulting values in a feasible range. Finally, using the known probability of selection to the estate sample, the assumed mortality rate, and the estimated differential, we compute the multipliers. We bound the multipliers for decedents with net worth over \$250 million or net worth less than -\$1 million, as discussed earlier. These adjustments are data driven, the third quantile bound was computed for each bootstrap sample.

Figure C shows a box plot of 11 bootstrap estimates for total assets. The median of the bootstrap estimates is \$5.37 trillion, with a high of \$5.50 trillion and a low of \$5.25 trillion. As expected, the distribution of the estimates is slightly skewed. Because there are no control totals to use in computing the multipliers, the estimate of the number of individuals is also of interest. Figure D is a box plot of 11 bootstrap estimates of the number of individuals with total assets over \$600,000. The median of the estimates is 3.06 million, with a high of 3.08 million and a low of 3.04 million. The distribution is much tighter than that of the sum of total assets.

In computing the estimates, it was possible to measure the variance associated with each of the multiplier components. The post-stratification adjustments, which included the weight trimming, decreased the variance of the sum of total assets by 54%. The resulting estimate was about 1.4 percent less than the original, unpost-stratified estimate. The variance of the frequency estimate decreased 16% as a result of post-stratification; the effect on the value of the estimate was negligible.

Allowing the mortality rate differentials to vary within the 95 percent confidence interval suggested by the model increased the variance of the total asset estimate by about 29 percent; the variance of the frequency estimate increased by less than 2 percent. In both cases the resulting estimates were almost 4 percent higher than the estimates based on a fixed differential. Further investigation revealed that calculating the differentials based on the age of each decedent using equation (2), rather than assigning them in broader age categories as was done previously, further increases the estimate of both the number of top wealthholders and the total value of their assets.



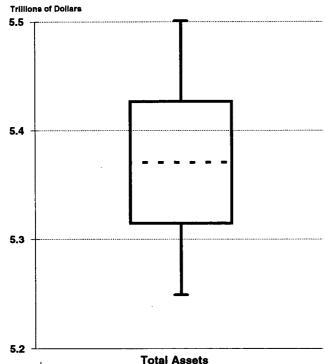
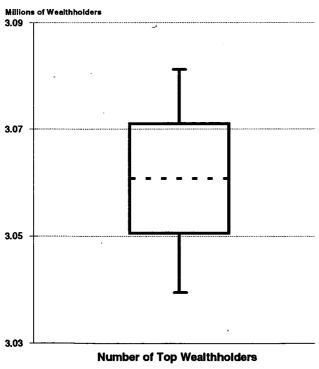


Figure D.--Box Plot of Number of Top Wealthholders using 11 Bootstrap Estimates



III. Comparison to Other Data

Having created estimates of individual or personal wealth, the next step is to validate them, using an independent data source. As mentioned, there is very little information on the wealth of individuals in the U.S., particularly for those in the upper end of the wealth distribution. One excellent source of wealth data, however, is the Survey of Consumer Finances, sponsored triennially by the Board of Governors of the Federal Reserve System.

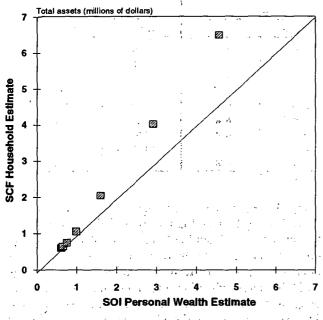
The Survey of Consumer Finances (SCF) is a household survey from which estimates of wealth, income, savings, etc. for the entire nation can be derived. One main objective of the SCF is to provide a good representation of the entire wealth distribution. In order to do this, the SCF incorporates a dual frame sample. One sample is a multi-stage area probability sample; the other is a list sample stratified by a measure of wealth and sampled disproportionately [see Kennickell and Woodburn, 1992]. It is particularly appropriate to use estimates derived from the SCF to validate the SOI estimates because of the supplemental coverage of wealthy individuals provided by the list sample [5].

Because the SCF produces household estimates of wealth, while the estate multiplier technique produces estimates of individual wealth, it is not possible to compare aggregate totals directly [see Scheuren and McCubbin, 1987]. However, there should be some relationship between the distributions of the estimated populations. This comparison can be shown graphically using quantile-quantile (QQ) charts, which compare the cumulative percentage of individuals over a fixed set of percentiles [see Wilk and Gnanadesikan, 1968 for an explanation of this technique]. If the distributions of these functions are exactly alike, the plot will be a straight line, passing through the origin, with slope=1. If the variances are the same, the y-intercept represents the difference in the means. The slope represents the ratio of the variances. If the distributional forms are dissimilar, the plot will be nonlinear.

Figure E is a QQ comparison for estimates of total assets for individuals (SOI) vs households (SCF) with at least \$600,000 in total assets. The linear arrangement of the points indicates that the two distributions are of similar functional form. The slope is greater than one, which shows that the values of the SCF estimates rise more quickly than those derived from the estate data.

The linear relationship between the two sets of estimates observed in the QQ plot suggests that the underlying distributions are similar, albeit, derived in different ways. It is possible to carry the comparison further by using additional SOI data to create a household data base from the individual wealth file for households with total assets of at least \$600,000. We start with the assumption that single individuals, whether they are widowed, separated,

Figure E.-QQ Comparison, SCF vs. SOI Estimates for Households/Individuals with Total Assets of \$600,000 or More



divorced or never married, each represent a household. We are left with devising a way to create 'families' from the data for married individuals.

The household wealth of a married couple can be separated into three parts: assets belonging solely to one of the two spouses (WFEM or WMALE) and assets held jointly (WJOINT). The data in the SOI estimates represent individuals for which WFEM+1/2 WJOINT (for females) or WMALE + 1/2 WJOINT (for males) was at least \$600,000. The value of the second spouses' assets (WMALE for females or WFEM for males) is missing and must therefore be imputed.

We first took up the task of imputing WFEM for the males in our file, simply because there were more records for married males in the database than married females. In order to impute a value for WFEM, we made the following assumptions:

- 1. Some, but notall, of the married individuals in the SOI estimates are married to each other.
- 2. The separate assets of the married females in our file were representative of those belonging to the spouses (WFEM) of the males in the file.

In general, imputation of missing values is most effective when based on a model derived from a distribution of known values [Little, 1986]. Since WFEM is missing for all cases, we have no information on how WFEM relates to WMALE, or for that matter, to any other data for a given male. Therefore, an explicit model was not feasible. We

instead chose the hotdeck procedure within adjustment cells [Hinkins and Scheuren, 1986]. Records for married males for which a value of WFEM were to be imputed were matched to records for females (donor records) in the same adjustment cell. The missing value was estimated using the known value from the donor records.

In order to implement this procedure, the donor records must first be divided into cells. The original SOI sample TGE categories were used, creating 3 strata: TGE under \$1 million, \$1 million under \$5 million and \$5 million or more. Each of these strata was further divided into four quantiles based on the distribution of joint assets within that strata, creating a total of 12 cells. Records for the males were divided into the same cell categories. A value of WFEM was then chosen randomly, with replacement, from a donor record, for each married male in a corresponding cell. Repeated applications of the procedure showed that the variance attributable to the imputation process had a relatively minor effect on the distribution of the value of Total Assets in the resulting data set. This variance is incorporated later.

The results of the hotdeck procedure produced a data set containing estimates of households where WMALE + 1/2 WJOINT was at least \$600,000. While we assume that some of the males and females in our file are members of the same household, there remain a number of households for which the female spouse's assets (WFEM + 1/2 WJOINT) totaled at least \$600,000, but the husband's did not. We assumed that households in which females owned separate assets of at least \$600,000 (WFEM > \$600,000) best represented these missing families. The males on our file which best represented their spouses were those for whom WMALE < \$600,000. A weighting adjustment was made to account for these additional 'families'.

This final adjustment gave us a file of households for which at least 1 individual owned \$600,000 or more in gross assets. We were not able to represent married households for which each individual owned less than \$600,000 but where the couples' combined assets totaled \$600,000 or more. These households are, however, included in the SCF estimates and thus, direct comparisons of the SOI and SCF households at the \$600,000 threshold are not meaningful.

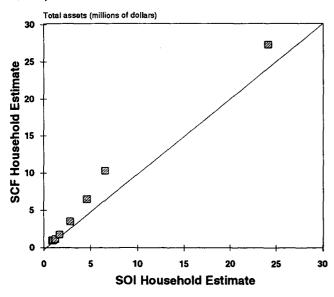
The effect of these 'missing' families on the frequency and dollar estimates should diminish at higher total asset thresholds; the SCF and SOI estimates should eventually converge. Figure F gives frequency and dollar estimates of total assets for different thresholds between \$600,000 and \$1 million. The frequencies converge between \$850,000 and \$900,000. At this level their aggregate estimates of total assets differ by about \$890 billion, with the SOI estimate about 12 percent less than that of the SCF. A QQ

Figure F.—SCF vs SOI Household Estimates of Aggregate Total Assets for Increasing Total Asset Thresholds

Total asset	SCF estimate		SOI estimate		Percent difference between SCF and SOI	
threshold	Number	Amount	Number	Amount	Number	Amount
\$600,000	3.93	8.89	2.94	7.26	25.19 %	18.34 %
\$650,000	3.51	8.62	2.80	7.20	20.23	16.47
\$700,000	3.10	8.36	2.67	7.11	13.87	14.95
\$750,000	2.93	8.24	2.58	7.04	11.95	14.56
\$800,000	2.61	7.99	2.48	6.97	4.98	12.77
\$850,000	2.42	7.83	2.39	6.90	1.24	11.88
\$900,000	2.30	7.71	2.32	6.83	-0.87	11.41
\$950,000	2.16	7.59	2.25	6.76	-4.17	10.94
\$1,000,000	2.03	7.46	2.17	6.69	-6.90	10.32

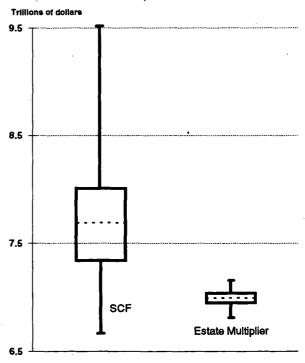
plot of total assets for households with at least \$900,000 in assets is given in Figure G. The distributions are more similar than before, but the distribution of the SCF estimates still increases more rapidly than that of the more conservative SOI estimates. Interestingly, some researchers have estimated that the pre-audit values of some estates increase by as much as 10 percent after an audit has been completed [Harris, 1949], while a more recent study found that the increase was between 2 and 4 percent, overall [McCubbin, 1987]. It is also reasonable to expect that values which are acceptable for administrative purposes may be more conservative than those given during a survey interview.

Figure G.-QQ Comparison, SCF vs. SOI Estimates for Households with Total Assets of \$900,000 or More



Finally, by applying the variance methodology previously described, including the additional variance due to the imputation of "families," we can see that much of the difference in the two estimates is attributable to the uncertainty associated with the two estimation techniques. Figure H shows a box plot of 11 bootstrap estimates of the value of assets for households at or above the \$900,000 threshold. The overall variance of the SCF estimate is much greater than that of the SOI estimate, largely because of the much

Figure H.—Comparison of Bootstrap Estimates: Aggregate Total Assets for Households with Total Assets of \$900,000 or more



smaller sample size on which the SCF estimates are based. (Remember that at this threshold, the frequency estimates are nearly the same.) This graph shows that the more conservative SOI estimate of the value of total assets is within the survey's margin of error.

IV. Summary and Future Research

In his 1965 paper presented to the American Statistical Association, James Smith suggested several areas for future studies relating to the Estate Multiplier Technique and wealth estimation. Likewise, Scheuren and McCubbin gave a similar set of suggestions in their 1987 paper. In closing, it seems appropriate to visit their "wish lists" and give a progress report on those things we have not already specifically addressed.

 The major information gaps in the Federal estate tax return data had been missing ages and the absence of a cash surrender value of life insurance. The first problem, that of missing ages has been virtually eliminated through the use of death certificate data, now required of each filer, to supplement data reported on the return itself. For our present sample, there were a mere 22 decedents for whom ages were imputed.

Estimating the cash value of life insurance remains a problem which will only get worse in light of the many new products being marketed by the industry. Some of these products are sophisticated investment instruments, the return on which is determined by an individual's attitude toward risk as well as by market performance. We are continuing to investigate ways to capture more information from the supplemental data filed with each tax return in order to improve in this area.

- 2. Data captured from estate tax returns is prior to an audit. C. Lowell Harriss estimated that the value of some estates may increase by as much as 10% after audit. A more recent preliminary study by Scheuren and McCubbin suggest that the difference may be much less significant. SOI is planning a more extensive study, to begin in 1994, which will look at this important issue.
- 3. What is the income of top wealthholders and their heirs? What is the relationship between inter vivos giving and the transmission of assets at death? These issues are very important to the estimation of wealth and are being addressed through a series of estate collation studies, beginning with a sample of 1976 decedents. These studies link income, gift and fiduciary tax returns filed for decedents and their heirs, for

several years prior to a decedent's death, and, in the case of heirs, several years hence. We are currently beginning to process data for 1989 decedents and are planning a larger scale study for 1992 decedents. The advent of the SOI individual income tax panel sample (see Czajka and Walker, 1990) will also offer important opportunities to follow income patterns of individuals over long periods of time and then relate that data to their estate tax returns at their death.

4. Finally, of course more research is needed into the appropriate mortality rates. We have shown that allowing the mortality rate differentials to vary within age categories can have a significant influence on the final estimate and its variance. Further, the practice of assigning the differentials within broad age categories seems to bias the resulting estimates downward. We are looking at several sources for more detailed information on the influence of wealth on mortality, the most promising being the National Longitudinal Mortality Study sponsored by the National Institutes of Health.

Notes

[1] The cash value of life insurance included in total assets and net worth was approximated based on the face value of life insurance reported on the estate tax return and on the decedent's age. This was done by applying an equity valuation ratio in the form:

Cash Value of Life Insurance
Face Value of Life Insurance

This ratio was developed based on two independent sources of data. The first was a study conducted by the Institute for Life Insurance which looked at the life insurance policies which had been reported in the estates of Federal estate tax filers in mid 1971. The second was the Federal Reserve Board's 1989 Survey of Consumer Finances. This survey asked respondents to approximate the total cash and surrender values of their life insurance values. Only households with total assets of at least \$600,000 were considered.

The results generated from each of these sources were encouragingly similar. A simple regression in which age was the independent variable was used to predict the values used in our estimates. No attempt was made to adjust for the presence of term insurance in our data. The same set of ratios was used for both males and females due to lack of sex-specific data.

Life Insurance Equity Values

AGE	Equity Ratio
Under 40	3.9%
40 under 45	8.9
45 under 50	14.0
50 under 55	18.4
55 under 60	24.2
60 under 65	31.1
65 under 70	38.6
70 under 75	47.0
75 under 8	56.1
80 and over	82.5

[2] We have derived a single set of mortality rate differentials, based on the decedent's age, which were used for both males and females. Based on the knowledge that these groups have very different mortality rates, this may inappropriate. A simple test of this is to compare the estimates of community property for married males and females living in states where such property is common [Scheuren, 1975]. It seems reasonable to expect that the frequency and dollar estimates of community property would be roughly equal between men and women if the differentials have been assigned appropriately.

The table below shows estimates for all community property states combined and for California, the state for which we had the largest sample. In both cases, the aggregate dollar estimate is higher for women than for men; the frequency estimates are reasonably close. Based on these results, no further adjustments were made, although more research is needed in determining the characteristics of the mortality differential between the wealthy and the general population.

Community Property Estimates

(Amounts are in billions)

	Males		Females		
	Number	Amount	Number	Amount	
All	270,000	\$741	266,000	\$949	
Calif	157,000	\$472	158,000	\$584	

- [3] It is interesting to note that the adjusted data base estimated that there were nearly 400 individuals with net worth greater than \$250 million, the *Forbes* 400 cut-off in 1989.
- [4] Additionally, there is a degree of uncertainty in the estimation of the various components of wealth (real estate, stock, bonds, etc.) due to errors introduced during data capture. These errors are, however, beyond the scope of this paper.

[5] The Survey of Consumer Finances does not include any individuals with net worth greater than \$250 million. We therefore constrain the SOI estimates in the following comparison to the same upper bound.

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¹ These references are intended to supplement those associated with each of the papers in this volume. Thus, with a few exceptions, works cited elsewhere are not included here.

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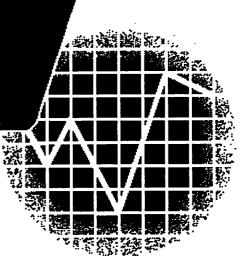
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27 Total (add lines 25 and 26). 28 Balance due (or overpayment) (subtract line 27 from line 24). 29 Total (add lines 25 and 26). 28 Balance due (or overpayment) (subtract line 27 from line 24). 29 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 29 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 21 Total (add lines 25 and 26). 22 Total (add lines 25 and 26). 23 Total (add lines 25 and 26). 24 Total (add lines 25 and 26). 25 Total (add lines 25 and 26). 26 Total (add lines 25 and 26). 27 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 29 Total (add lines 25 and 26). 29 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 21 Total (add lines 25 and 26). 22 Total (add lines 25 and 26). 23 Total (add lines 25 and 26). 24 Total (add lines 25 and 26). 25 Total (add lines 25 and 26). 26 Total (add lines 25 and 26). 27 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 29 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 28 Total (add lines 25 and 26). 29 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 20 Total (add lines 25 and 26). 21 Total (add lines 25 and 26). 22 Total (add lines 25 and 26).	•
28 Balance due (or overpayment) (subtract line 27 from line 24). 28 Balance due (or overpayment) (subtract line 27 from line 24). 29 Experiment of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, strue, correct, and complete. Declaration of preparer other than the executor is besed on all information of which preparer has any knowledge. 29 Experiment of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, strue, correct, and complete. Declaration of preparer other than the executor is bessed on all information of which preparer has any knowledge. 29 Experiment of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, strue, and the executor is bessed on all information of which preparer has any knowledge. 29 Experiment of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, strue, and the perjury including accompanying schedules and statements, and to the best of my knowledge and belief, strue, and the perjury including accompanying schedules and statements, and to the best of my knowledge and belief, strue, and the perjury including accompanying schedules and statements, and to the best of my knowledge and belief, strue, and the perjury including accompanying schedules and statements, and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a schedule and the perjury includes a sch	
der penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, strue, correct, and complete. Declaration of preparer other than the executor is based on all information of which preparer has any knowledge. Date	
grature(s) of executor(s) Date	
gradiently of choosing	
gradiently of choosing	
All unascertainable beneficiaries and those who receive less than \$5,000 ▶	
ngature of preparer other than executor Address (and ZIP code) Date	

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Plea	se check the "Yes" or "No" b	ox for each question.	Yes	No
6		any section 2044 property (qualified terminable interest property (QTIP) from a prior gift or		
7a	Have Federal gift tax returns e If "Yes," please attach copies	ver been filed? of the returns, if available, and furnish the following information:		
7b	Period(s) covered	7c Internal Revenue office(s) where filed		
lf yo	u answer "Yes" to any of que	stions 8-16, you must attach additional information as described in the instructions.		
8a	Was there any insurance on th	e decedent's life that is not included on the return as part of the gross estate?		
ъ	Did the decedent own any insu	rrance on the life of another that is not included in the gross estate?		
9	of the other joint tenants was	of death own any property as a joint tenant with right of survivorship in which (a) one or more someone other than the decedent's spouse, and (b) less than the full value of the property is of the gross estate? If "Yes," you must complete and attach Schedule E		
10	Did the decedent, at the time or closely held corporation?	f death, own any interest in a partnership or unincorporated business or any stock in an inactive		
11		ansfer described in section 2035, 2036, 2037, or 2038 (see the instructions for Schedule G)? If attach Schedule G		
12 a	Were there in existence at the Any trusts created by the dece			
13		ercise, or release any general power of appointment? If "Yes," you must complete and attach Schedule H		
14		ed under the transitional rule of Public Law 97-34, section 403(e)(3) (Economic Recovery Tax Act of 1981)? reputation of the marital deduction, enter the amount on item 18 of the Recapitulation, and note hed."		
15		by before death, receiving an annuity described in the "General" paragraph of the instructions nust complete and attach Schedule I.		
16		"excess retirement accumulation" (as defined in section 4990A(d)) in qualified employer plans ? If "Yes." you must complete and attach Schedule S		

Part 5.—Recapitulation

ltem number

1	Schedule A—Real Estate		
2	Schedule B—Stocks and Bonds		
3	Schedule C-Mortgages, Notes, and Cash		
4	Schedule D-Insurance on the Decedent's Life (attach Form(s) 712)		
5	Schedule E—Jointly Owned Property (attach Form(s) 712 for life insurance)		
6	Schedule F-Other Miscellaneous Property (attach Form(s) 712 for life insurance) .		
7	Schedule G—Transfers During Decedent's Life (attach Form(s) 712 for life insurance)		
8	Schedule H-Powers of Appointment		
9	Schedule I—Annuities		
10	Total gross estate (add items 1 through 9). Enter here and on line 1 of the Tax Computation		
item umber	Deductions	Ал	ount
1	Schedule J—Funeral Expenses and Expenses Incurred in Administering Property Subject to Claims		
	Schedule J—Funeral Expenses and Expenses incurred in Administering Property Subject to Claims		
12		.	
12 13	Schedule K—Debts of the Decedent		
12 13 14	Schedule K—Debts of the Decedent		
12 13 14 15	Schedule K—Debts of the Decedent		
12 13 14 15	Schedule K—Debts of the Decedent		
11 12 13 14 15 16 17	Schedule K—Debts of the Decedent Schedule K—Mortgages and Liens Total of items 11 through 13 Allowable amount of deductions from item 14 (see the instructions for item 15 of the Recapitulation) Schedule L—Net Losses During Administration		

Alternate value

Gross estate

Estate of:

SCHEDULE A-Real Estate

(For jointly owned property that must be disclosed on Schedule E, see the instructions for Schedule E.) (Real estate that is part of a sole proprietorship should be shown on Schedule F. Real estate that is included in the gross estate under section 2035, 2036, 2037, or 2038 should be shown on Schedule G. Real estate that is included in the gross estate under section 2041 should be shown on Schedule H.)

(If you elect section 2032A valuation, you must complete Schedule A and Schedule A-1.)

em nber		Description		Alte valuat	emate ion date Alterr	nate value Va	lue at date of deat
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Total from	continuation sche	dule(s) (or additions	al sheet(s)) attach	ed to this sched	ule		

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.) (See the instructions on the reverse side.)

Schedule A-Page 4

Describe the real estate in enough detail so that the IRS can easily locate it for inspection and valuation. For each parcel of real estate, report the area and, if the parcel is improved, describe the improvements. For city or town property, report the street and number, ward, subdivision; block and lot, etc. For rural property, report the township, range, landmarks, etc.

If any item of real estate is subject to a mortgage for which the decedent's estate is liable, that is, if the indebtedness may be charged against other property of the estate that is not subject to that mortgage, or if the decedent was personally liable for that mortgage, you must report the full value of the property in the value column.

Enter the amount of the mortgage under "Description" on this schedule. The unpaid amount of the mortgage may, be deducted on Schedule K. If the decedent's estate is NOT liable for the amount of the mortgage, report only the value of the equity of redemption (or value of the property less the indebtedness) in the value column as part of the gross estate. Do not enter any amount less than zero. Do not deduct the amount of indebtedness on Schedule K.

Also list on Schedule A real property the decedent contracted to purchase. Report the full value of the property and not the equity in the value column. Deduct the unpaid part of the purchase price on Schedule K.

Report the value of real estate without reducing it for homestead or other exemption, or the value of dower, curtesy, or a statutory estate created instead of dower or curtesy.

Explain how the reported values were determined and attach copies of any appraisals.

Schedule A Examples

In this example the alternate valuation is not adopted; the date of death is January 1, 1991.

Item number	Description	Alternate valuation date	Alternate value	Value at date of death
1	House and lot, 1921 Willia:n Street NW. Washington, DC (lot 6, square 491). Rent of \$2,700 due at end of each quarter, February 1, May 1, August 1, and November 1. Value based on appraisal, copy of which is attached.			108,000
	Rent due on item 1 for quarter ending November 1, 1990, but not collected at date of death			2,700
	Rent accrued on item 1 for November and December 1990	1,		1,800
2	House and lot, 304 Jefferson Street, Alexandria, VA (lot 18, square 40). Rent of \$600 payable monthly. Value based on appraisal, copy of which is attached	:		96,000
	Rent due on item 2 for December 1990, but not collected at date of death	1: 1		600

In this example alternate valuation is adopted; the date of death is January 1, 1991.

item number	Description	Alternate valuation date	Alternate value	Value at date of death
1	House and lot, 1921 William Street NW, Washington, DC (lot 6, square 481). Rent of \$2,700 due at end of each quarter, February 1, May 1, August 1, and November 1. Value based on appraisal, copy of which is attached. Not disposed of within 6			
	months following death	7/1/91	90,000	108,000
	Rent due on item 1 for quarter ending November 1, 1990, but not collected until February 1, 1991	2/1/91	2,700	2,700
	Rent accrued on item 1 for November and December 1990, collected on February 1, 1991	2/1/91	1,800	1,800 -
2	House and lot, 304 Jefferson Street, Alexandria, VA (lot 18, square 40). Rent of \$600 payable monthly. Value based on appraisal, copy of which is attached. Property exchanged for farm on May 1, 1991.	5/1/91	90,000	96,000
6.4	Rent due on item 2 for December 1990, but not collected until February 1, 1991	2/1/91	£ 50.600	600

Schedule A-Page 5

Checklist for Section 2032A Election—If you are going to make the special use valuation election on Schedule A-1, please use this checklist to ensure that you are providing everything necessary to make a valid election.

To have a valid special use valuation election under section 2032A, you must file, in addition to the Federal estate tax return, (a) a notice of election (Schedule A-1, Part 2), and (b) a fully executed agreement (Schedule A-1, Part 3). You must include certain information in the notice of election. To ensure that the notice of election includes all of the information required for a valid election, use the following checklist. The checklist is for your use only. Do not file it with the return.

- 1. Does the notice of election include the decedent's name and social security number as they appear on the estate tax return?
- 2. Does the notice of election include the relevant qualified use of the property to be specially valued?
- 3. Does the notice of election describe the items of real property shown on the estate tax return that are to be specially valued and identify the property by the Form 706 schedule and item number?
- 4. Does the notice of election include the fair market value of the real property to be specially valued and also include its value based on the qualified use (determined without the adjustments provided in section 2032A(b)(3)(B)?
- 5. Does the notice of election include the adjusted value (as defined in section 2032A(b)(3)(B)) of (a) all real property that both passes from the decedent and is used in a qualified use, without regard to whether it is to be specially valued, and (b) all real property to be specially valued?
- 6. Does the notice of election include (a) the items of personal property shown on the estate tax return that pass from the decedent to a qualified heir and that are used in qualified use and (b) the total value of such personal property adjusted under section 2032Abi(3/IB)?
- 7. Does the notice of election include the adjusted value of the gross estate? (See section 2032A(b)(3)(A).)
- 8. Does the notice of election include the method used to determine the special use value?
- 9. Does the notice of election include copies of written appraisals of the fair market value of the real property?
- 10. Does the notice of election include a statement that the decedent and/or a member of his or her family has owned all of the specially valued property for at

 $(x_{(p+1)},\ldots,x_{(p+1)},x_{(p+1)},x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)},\ldots,x_{(p+1)})$

least 5 years of the 8 years immediately preceding the date of the decedent's death?

- 11. Does the notice of election include a statement as to whether there were any periods during the 8-year period preceding the decedent's date of death during which the decedent or a member of his or her family (a) did not own the property to be specially valued, (b) use it in a qualified use, or (c) materially participate in the operation of the farm or other business? (See section 2032A(e)(6).)
- 12. Does the notice of election include, for each item of specially valued property, the name of every person taking an interest in that item of specially valued property and the following information about each such person: (a) the person's address, (b) the person's relationship to the decedent, and (d) the value of the property interest passing to-that person based on both fair market value and qualified use?
- 13. Does the notice of election include affidavits describing the activities constituting material participation and the identity of the material participants?
- 14. Does the notice of election include a legal description of each item of specially valued property?

(In the case of an election made for qualified woodlands, the information included in the notice of election must include the reason for entitlement to the woodlands election.)

Any election made under section 2032A will not be valid unless a properly executed agreement (Schedule A-1, Part 3) is filed with the estate tax return. To ensure that the agreement satisfies the requirements for a valid election, use the following checklist.

- 1. Has the agreement been signed by each and every qualified heir having an interest in the property being specially valued?
- 2. Has every qualified heir expressed consent to personal liability under section 2032A(c) in the event of an early disposition or early cessation of qualified use?
- 3. Is the agreement that is actually signed by the qualified heirs in a form that is binding on all of the qualified heirs having an interest in the specially valued property?
- 4. Does the agreement designate an agent to act for the parties to the agreement in all dealings with the IRS on matters arising under section 2032A?
- \cdot 5. Has the agreement been signed by the designated agent and does it give the address of the agent?

Form 706 (Rev. 10-91)			Decedent's Social Security Number	4 Perso	nal property used in a	qualified use and passing to q		T _:	
Estate of:		-4: 0000A Value*!			A	B Adjusted value (with section 2032A(b)(3)(B)	A (continued) Schedule and item	Adjusted	ontinued) d value (with 2032A(b)(3)(B)
	SCHEDULE A-1—Sec	ction 2032A Valuation		nun	chedule and item ber from Form 706	adjustment)	number from Form 706	adju	stment)
Part 1.—Type of Election	n:				-		"Subtotal" from Col. B, below	left	
Protective election (Regulatio	ns section 20.2032A-8(b)).—Comple	ete Part 2, line 1, and column A of I	ines 3 and 4. (See instructions.)	ł		•			
	all of Part 2 (including line 11, if applic		,						
	tion (Regulations section								
Note: All real property	entered on lines 2 and 3 must a	ilso be entered on Schedules A	E, F, G, or H, as applicable.					ļ	
_	Farm used for farming, or Trade or business other the diffied use, passing to qualified he	non forming	on this Form 706.						
. Near property used in a que	n n	c	D			·	11		
Schedule and item number from Form 706	Full value (without section 2032A(b)(3)(B) adjustment)	Adjusted value (with section 2032A(b)(3)(B) adjustment)	Value based on qualified use (without section 2032A(b)(3)(B) adjustment)						
				5 Enter	the value of the total s	gross estate as adjusted under :	Total adjusted value section 2032A(b)(3)(A). >the special value based on qu		
				7 Did t 8 yea 8 Were the c a Di b Di c Di	he decedent and/or a ars immediately precedent there any periods during decedent or a member d not own the property d not use the property d not materially partic	member of his or her family ow ing the date of the decedent's ring the 8-year period precedin of his or her family: // listed on line 2 above? listed on line 2 above in a qualipate in the operation of the li	n all property listed on line 2 fo death?	r at least 5 of the	Yes P
otals Attach a legal description Attach cooles of appraisa	of all property listed on line 2.	s for all property listed on lim	12	If "Yo secti 9 Atta dece	es" to any of the above ons 2032A(b)(4) or (5) ch affidavits describing dent of the material	 you must attach a statement are met. ing the activities constituting participants. 	listing the periods, If applicable material participation and the each party who received any interest and in	, describe whethe	r the exception
	alified use, passing to qualified h			10 Pers	ons noiging interests. El	iter the requested information for	Address	51-501 III II II II II II II II II II II II I	
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		1		<u>H</u>			dissat abbs to seek seems that a be		an (Can Instruction
							direct skips for each person listed abo		
						Come France 700 of the property f	ke a woodlands election as desc or which you are making this elec	rtion D	
	1	ł		Sch	was and item nambers		to make this election. The IRS	may issue regulatio	ns that require r
Totals	No	sisate aboutes the cohere B	es for all property listed on line 3.	You	must attach a statemer	nt explaining why you are enduction	by the IRS if you must supply fur	ther information	

A Commence of the Commence of

Form 706 (Rev. 10-91)

Other Interested Parties

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We (list all qualified heirs and other persons having an	interest in the property re	quired to sign this agree	ment)
the state of the s			
peing all the qualified heirs and			
being all other parties having interests in the property			d under section 2032A of th
nternal Revenue Code, do hereby approve of the elect executor/Administrator of the estate of	ion made by		4
oursuant to section 2032A to value said property on the nto this agreement pursuant to section 2032A(d).	e basis of the qualified us	se to which the property	is devoted and do hereby
The undersigned agree and consent to the application lescribed on line 2 of Part 2 of Schedule A-1 of Form agree and consent to personal liability under subsection with respect to their respective interests in the above- sessation of the qualified use of the property. It is und my member of his or her family, such member may the form 706-A and a new agreement.	706, attached to this agree in (c) of 2032A for the add described property in the e erstood that if a qualified	ement. More specifically, litional estate and GST ta event of certain early disp heir disposes of any inte	the undersigned heirs expre- exes imposed by that subsec- positions of the property or ex- erest in qualified real proper
The undersigned interested parties who are not qualified under section 2032A(c) of the Code from the specially		ellection of any additional	estate and GST taxes impo
f there is a disposition of any interest which passes of pecially valued property which passes or passed to hir additional Estate Tax Return, and pay any additional es	m or her, each of the unde	ersigned heirs agrees to f	ile a Form 706-A, United St
t is understood by all interested parties that this agreer 2032A of the Code and must be executed by every int ax benefits or be in possession of such property.	nent is a condition preced erested party even though	dent to the election of spe h that person may not ha	ecial use valuation under seave received the estate (or the state)
each of the undersigned understands that by making to code on the property referred to in this agreement fi 2032A(c)(2)(C).			
As the interested parties, the undersigned designate the concerning the continued qualification of the specially special lien under section 6324B. The agent is authori iffecting the qualified real property described earlier. T	valued property under se- zed to act for the parties	ction 2032A of the Code with respect to all dealing	and on all issues regarding
 To receive confidential information on all matters real property and on all matters relating to the sp 			2032A of the specially valu
. To furnish the Service with any requested information	ation concerning the prop	erty.	
To notify the Service of any disposition or cessat	ion of qualified use of any	part of the property.	*
 To receive, but not to endorse and collect, checi 	s in payment of any refur	nd of Internal Revenue ta	xes, penalties, or interest.
 To execute waivers (including offers of waivers) of notice of disallowance of a claim for credit or reference. 		ent or collection of defici	iencies in tax and waivers o
 To execute closing agreements under section 71; 			
Other acts (specify)			:
	21.		orning this property and
Nome of Agent	Cionatura	i	Address
Name of Agent The property to which this agreement relates is listed in din the Notice of Election, along with its fair market o section 2032A. The name, address, social security nure as set forth in the attached Notice of Election.	value according to section	on 2031 of the Code and	n-Skipping Transfer) Tax Re its special use value accor
N WITNESS WHEREOF, the undersigned have hereun	to set their hands at	1.	might be the same
his day of		** * * * * * * * * * * * * * * * * * * *	3 44 22 3

Part 3.—Agreement to Special Valuation Under Section 2032A

Estate of: Date of Death

Form 706 (Rev. 10-91)

Decedent's Social Security Number

Schedule A-1-Page 9

Instructions for Schedule A-1.—Section 2032A Valuation

The election to value certain farm and closely held business properly at its special use value is made by checking "Yes" to fine 2 of Part 3, Elections by the Executor, Form 706. Schedule A-1 is used to report the additional information, that must be submitted to support this election. In order to make a valid election, you must complete Schedule A-1 and attach all of the required statements and appraisals.

For definitions and additional information concerning special use valuation, see section 2032A and the related regulations.

Part 1.—Type of Election

Estate and GST Tax Elections.—If you elect special use valuation for the estate tax, you must also elect special use valuation for the GST tax and vice versa.

You must value each specific property interest at the same value for GST tax purposes that you value it at for estate tax purposes.

Protective Election.—To make the protective election described in the separate instructions for line 2 of Part 3, Elections by the Executor, you must check this box, enter the decedent's name and social security number in the spaces provided at the top of Schedule A-1, and complete line 1 and column A of lines 3 and 4 of Part 2. For purposes of the protective election, list on line 3 all of the rieal property that passes to the qualified heirs even though some of the property will be shown on line 2 when the additional notice of election is subsequently filed. You need not complete columns B-D of lines 3 and 4. You need not complete any other line entries on Schedule A-1. Completing Schedule A-1 as described above consistitutes a Notice of Protective Election as described in Regulations section 20.0322-8(b).

Part 2.-Notice of Election

Line 10.—Because the special use valuation election creates a potential tax liability for the recapture tax of section 2032A(c), you must list each person who receives an interest in the specially valued property on Schedule A-1. If there are morth an eight persons who receive interests, use an additional sheet that follows the format of line 10. In the columns "Fair market value" and "Special use value," you should enter the total respective values of all the specially valued property interests received by each person.

GST Tax Savings.—To compute the additional GST tax due upon disposition (or cessation of qualified use) of the property, each "skip person" (as defined in the instructions to Schedule R) who receives an interest in the specially valued property must know the total GST tax savings on all of the interests in specially valued property received. This GST tax savings is the difference between the total GST tax that was imposed on all of the interests in specially valued property received by the skip person valued at their special use value and the total GST tax that would have been imposed on the same interests received by the skip person had they been valued at their fair market value.

Because the GST tax depends on the executor's allocation of the GST exemption and the grandchild exclusion, the skip person who receives the interests is unable to compute this GST tax savings. Therefore, for each skip person who receives an interest in specially valued property, you must attach worksheets showing the total GST tax savings attributable to all of that person's interests in specially valued property.

How To Compute the GST Tax Savings.—Before computing each skip person's GST tax savings, you must complete Schedules R and R-1 for the entire estate (using the special use values).

For each skip person, you must complete two Schedules R
(Parts 2 and 3 only) as worksheets, one showing the interests in
specially valued property received by the skip person at their
special use value and one showing the same interests at their
fair market value.

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If the skip person received interests in specially valued properly that were shown on Schedule R-1, show these interests on the Schedule R, Parts 2 and 3 worksheets, as appropriate: Do not use Schedule R-1 as a worksheet.

Completing the Special Use Value Worksheets.—On lines 2-4 and 6, enter -0-.

Completing the Fair Market Value Worksheets.—Lines 2 and 3, fixed taxes and other charges.—If valuing the interests at their fair market value (instead of special use value) causes any of these taxes and charges to increase, enter the increased amount (only) on these lines and attach an explanation of the increase. Otherwise, enter -0-

Line 6—GST exemption.—If you completed line 10 of Schedule R, Part 1, enter on line 6 the amount shown for the skip person on the line 10 special use allocation schedule you attached to Schedule R. If you did not complete line 10 of Schedule R, Part 1, enter -0 on line 6.

Total GST Tax Savings.—For each skip person subtract the tax amount on line 10, Part 2 of the special use value worksheet from the tax amount on line 10, Part 2 of the fair, market value worksheet. This difference is the skip person's total GST tax savings.

Part 3.—Agreement to Special Valuation Under Section 2032A

The agreement to special valuation by persons with an interest in property is required under section 2032A(a)(1)(B) and (d)(2) and must be signed by all parties who have any interest in the property being valued based on its qualified use as of the date of the decedent's death.

An interest in property is an interest that, as of the date of the decedent's death, can be asserted under applicable local law so as to affect the disposition of the specially valued property by the estate. Any person who at the decedent's death has any such interest in the property, whether present or future, or vested or contingent, must enter into the agreement. Included are owners of remainder and executory interests; the holders of general or special powers of appointment; beneficiaries of a gift over in default of exercise of any such power; joint tenants and holders of similar undivided interests when the decedent held only a joint or undivided interest in the property or when only an undivided interest is specially valued; and trustees of trusts and representatives of other entities holding title to, or holding any interests in the property. An heir who has the power under local law to caveat (challenge) a will and thereby affect disposition of the property is not, however, considered to be a person with an interest in property under section 2032A solely by reason of that right. Likewise, creditors of an estate are not such persons. solely by reason of their status as creditors.

If any person required to enter into the agreement either desires that an agent act for him or her or cannol legally bind himself or herself due to intancy or other incompetency, or due to death before the election under section 2032A is timely exercised, a representative authorized by local law to bind the person in an agreement of this nature may sign the agreement on his or her behalf.

The Internal Revenue Service will contact the agent designated in the agreement on all matters relating to continued qualification under section 2032A of the specially valued real property and on all matters relating to the special lien arising under section 6324B. It is the duty of the agent as attorney-in-fact for the parties with interests in the specially valued property to furnish the IRS with any requested information and to notify the IRS of any disposition or cessation of qualified use of any part of the property.

Schedule A-1—Page 10

	SCHEDULE 9—Sto			-ti for Cabodi	.(a E)
ltem number	(For jointly owned property that must be disclosed on Description including tace amount of bonds or number of shares and par value where needed for identification. Give CUSIP number if available.	Unit value	Alternate valuation date	Alternate value	Value at date of death
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				•	
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Total from continuation schedule(s) (ar additional sheet(s)) attached to this schedule,

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.) (The instructions to Schedule B are in the separate instructions.)

Form 706 (Rev. 10-91)

Estate of:

SCHEDULE C-Mortgages, Notes, and Cash

For jointly owned property that must be disclosed on Schedule E, see the instructions for Schedule E.)

Item number	Description	etsb noitsutsv	Alternate value	Value at date of deat
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	WEAL. (Also order on Part 5, Rengglishteliin, page 8, st item 3.);		1	1

(if more space is needed, steach the continuation achealule from the end of this package or additional sheets of the ea

If the total gross estate contains any mortgages, notes, or cash, you must complete Schedule C and file it with the return.

On Schedule C list mortgages and notes payable to the decedent at the time of death. (Mortgages and notes payable by the decedent should be listed (if deductible) on Schedule K. Also list on Schedule C cash the decedent had at the date of death.

Group the items in the following categories and list the categories in the following order:

1. Mortgages.-List: (a) the face value and unpaid balance; (b) date of mortgage; (c) date of maturity; (d) name of maker; (e) property mortgaged; and (f) interest dates and rate of interest. For example: bond and mortgage of \$50,000, unpaid balance \$24,000; dated January 1, 1980; John Doe to Richard Roe; premises 22 Clinton Street, Newark, N.J.; due January 1, 1992, interest payable at 10% a year January 1 and July 1.

- 2. Promissory notes.-Describe in the same way as mortgages.
- 3. Contract by the decedent to sell land.-List: (a) the name of the purchaser; (b) date of contract; (c) description of property; (d) sale price; (e) initial payment; (f) amounts of installment payment; (g) unpaid balance of principal; and (h) interest rate.
- 4. Cash in possession.—List separately from bank deposits.
- 5. Cash in banks, savings and loan associations, and other types of financial organizations.—List: (a) the name and address of each financial organization; (b) amount in each account; (c) serial number; and (d) nature of account, indicating whether checking, savings, time deposit, etc. If you obtain statements from the financial organizations, keep them for IRS

Form 706 (Rev. 10-91)

Estate of:

SCHEDULE D-Insurance on the Decedent's Life

You must attach a Form 712 for each policy.

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, TOTAL (Also enter on Part 5, Recapitulation, page 3, at item 4.).

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.) (See the instructions on the reverse side.)

Schedule D-Page 14

If there was any insurance on the decedent's life, whether or not included in the gross estate, you must complete Schedule D and file it with the return.

Insurance you must include on Schedule D.—Under section 2042 you must include in the gross estate:

- Insurance on the decedent's life receivable by or for the benefit of the estate; and
- Insurance on the decedent's life receivable by beneficiaries other than the estate, as described below

The term "insurance" refers to life insurance of every description, including death benefits paid by fraternal beneficiary societies operating under the lodge system, and death benefits paid under no-fault automobile insurance policies if the no-fault insurer was unconditionally bound to pay the benefit in the event of the insured's death.

Insurance in favor of the estate.—Include on Schedule D the full amount of the proceeds of insurance on the life of the decedent receivable by the executor or otherwise payable to or for the benefit of the estate. Insurance in favor of the estate includes insurance used to pay the estate tax, and any other taxes, debts, or charges that are enforceable against the estate. The manner in which the policy is drawn is immaterial as long as there is an obligation, legally binding on the beneficiary, to use the proceeds to pay taxes, debts, or charges. You must include the full amount even though the premiums or other consideration may have been paid by a person other than the decedent.

Insurance receivable by beneficiaries other than the estate.—Include on Schedule D the proceeds of all insurance on the life of the decedent not receivable by or for the benefit of the decedent's estate if the decedent possessed at death any of the incidents of ownership, exercisable either alone or in conjunction with any person.

incidents of ownership in a policy include:

- The right of the insured or estate to its economic benefits:
- · The power to change the beneficiary;

- The power to surrender or cancel the policy:
- The power to assign the policy or to revoke an assignment:
- The power to pledge the policy for a loan;
- The power to obtain from the insurer a loan against the surrender value of the policy;
- A reversionary interest if the value of the reversionary interest was more than 5% of the value of the policy immediately before the decedent died. (An interest in an insurance policy is considered a reversionary interest if, for example, the proceeds become payable to the insured's estate or payable as the insured directs if the beneficiary dies before the insured.)

Life insurance not includible in the gross estate under section 2042 may be includible under some other section of the Code. For example, a life insurance policy could be transferred by the decedent in such a way that it would be includible in the gross estate under section 2036, 2037, or 2038. (See the instructions to Schedule G for a description of these sections.)

Completing the Schedule

You must list every policy of insurance on the life of the decedent, whether or not it is included in the gross estate.

Under "Description" list:

- · Name of the insurance company and
- Number of the policy.

For every policy of life insurance listed on the schedule, you must request a statement on Form 712, Life Insurance Statement, from the company that issued the policy. Attach the Form 712 to the back of Schedule D.

If the policy proceeds are paid in one sum, enter the net proceeds received (from Form 712, line 24) in the value (and alternate value) columns of Schedule D. If the policy proceeds are not paid in one sum, enter the value of the proceeds as of the date of the decedent's death (from Form 712, line 25).

If part or all of the policy proceeds are not included in the gross estate, you must explain why they were not included.

Form 706 (Rev. 10-91)

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3, at item 5.

SCHEDULE E-Jointly Owned Property

(If you elect section 2032A valuation, you must complete Schedule E and Schedule A-1.)

PART 1.—Qualified Joint Interests—Interests Held by the Decedent and His or Her Spouse as the Only Joint Tenants (Section 2040(b)(2))

ltem number	Description For securities, give CUSIP number, if available.		Alternate value	Value at date of death	
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Total from o	continuation schedule(s) (or additional sheet(s)) attached to this	schedule			
la Totals .			<u> </u>	 	
Ib Amounts in	cluded in gross estate (one-half of line 1a)				
	Other Joint Interests				

2a State the name and address of each surviving co-tenant. If there are more than three surviving co-tenants, list the additional co-tenants on an attached sheet.

Name	Address (number and street, city, state, and ZIP code)			
3.				

Item number	Enter letter for co-tenant	Description (including alternate valuation date if any) For securities, give CUSIP number, if available.	Percentage includible	includible alternate value	includible value at date of death
	<u> </u>				
Tot	al from co	entinuation schedule(s) (or additional sheet(s)) attached to this sched	ule		
2b To	al other jo	int Interests			
		11. 1-1-1-1-1 A 4-4-4			

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.)

(See the instructions on the reverse side.)

Schedule E—Page 16

You must complete Schedule E and file it with the return if the decedent owned any joint property at the time of death, whether or not the decedent's interest is includible in the gross estate.

Enter on this schedule all property of whatever kind or character, whether real estate, personal property, or bank accounts, in which the decedent held at the time of death an interest either as a joint tenant with right to survivorship or as a tenant by the entirety.

Do not list on this schedule property that the decedent held as a tenant in common, but report the value of the interest on Schedule A if real estate, or on the appropriate schedule if personal property. Similarly, community property held by the decedent and spouse should be reported on the appropriate Schedules A through I. The decedent's interest in a partnership should not be entered on this schedule unless the partnership interest itself is jointly owned. Solely owned partnership interests should be reported on Schedule F. "Other Miscellaneous Property."

Part 1.—Qualified joint interests held by decedent and spouse.—Under section 2040(b)(2), a joint interest is a qualified joint interest if the decedent and the surviving spouse held the interest as:

· Tenants by the entirety, or

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 Joint tenants with right of survivorship if the decedent and the decedent's spouse are the only joint tenants.

Interests that meet either of the two requirements above should be entered in Part 1. Joint interests that do not meet either of the two requirements above should be entered in Part 2.

Under "Description," describe the property as required in the instructions for Schedules A, B, C, and F for the type of property involved. For example, jointly held stocks and bonds should be described using the rules given in the instructions to Schedule B.

Under "Alternate value" and "Value at date of death," enter the full value of the property.

Note: You cannot claim the special treatment under section 2040(b) for property held jointly by a decedent and a surviving spouse who is not a U.S. citizen. You must report these joint interests on Part 2 of Schedule E. not Part 1.

Part 2.—Other joint interests.—All joint interests that were not entered in Part 1 must be entered in Part 2.

For each item of property, enter the appropriate letter A, B, C, etc., from line 2a to indicate the name and address of the surviving co-tenant.

Under "Description," describe the property as required in the instructions for Schedules A, B, C, and F for the type of property involved.

In the "Percentage includible" column, enter the percentage of the total value of the property that you intend to include in the gross estate.

Generally, you must include the full value of the jointly owned property in the gross estate. However, the full value should not be included if you can show that a part of the property originally belonged to the other tenant or tenants and was never received or acquired by the other tenant or tenants from the decedent for less than adequate and full consideration in money or money's worth, or unless you can show that any part of the property was acquired with consideration originally belonging to the surviving joint tenant or tenants. In this case, you may exclude from the value of the property an amount proportionate to the consideration furnished by the other tenant or tenants. Relinquishing or promising to relinquish dower. curtesy, or statutory estate created instead of dower or curtesy, or other marital rights in the decedent's property or estate is not consideration in money or money's worth. See the Schedule A instructions for the value to show for real property that is subject to a mortgage.

If the property was acquired by the decedent and another person or persons by gift, bequest, devise, or inheritance as joint tenants, and their interests are not otherwise specified by law, include only that part of the value of the property that is figured by dividing the full value of the property by the number of joint tenants.

If you believe that less than the full value of the entire property is includible in the gross estate for tax purposes, you must establish the right to include the smaller value by attaching proof of the extent, origin, and nature of the decedent's interest and the interest(s) of the decedent's co-tenant or co-tenants.

In the "Includible alternate value" and "Includible value at date of death" columns, you should enter only the values that you believe are includible in the gross estate.

Form 706 (Rev. 10-91)

Estate of:

SCHEDULE F—Other Miscellaneous Property Not Reportable Under Any Other Schedule (For jointly owned properly that must be disclosed on Schedule E, see the instructions for Schedule E) (If you elect section 2032A valuation, you must complete Schedule F and Schedule A-1.)

- 1 Did the decedent at the time of death own any articles of artistic or collectible value in excess of \$3,000 or any collections whose artistic or collectible value combined at date of death exceeded \$10,000?

 If "Yes," submit full details on this schedule.
- 2 Has the decedent's estate, spouse, or any other person, received (or will receive) any bonus or award as a result of the decedent's employment or death?. If "Yes," submit full details on this schedule.
- 3 Did the decedent at the time of death have, or have access to, a safe deposit box? If "Yes," state location, and if held in joint names of decedent and another, state name and relationship of joint depositor.

If any of the contents of the safe deposit box are omitted from the schedules in this return, explain fully why omitted.

item number	Description For securities, give CUSIP number, if available.	Alternate valuation date .	Alternate value	Value at date of death
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То	etal from continuation schedule(s) (or additional sheet(s)) attached to	this schedule		

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.) (See the instructions on the reverse side.)

TOTAL. (Also enter on Part 5; Recapitulation, page 3, at item 6.) .

Schedule F--Page 18

Schedule E—Page 17

On Schedule F list all items that must be included in the gross estate that are not reported on any other schedule, including:

- Debts due the decedent (other than notes and mortgages included on Schedule C)
- Interests in business
- Insurance on the life of another (obtain and attach Form 712, Life Insurance Statement, for each policy)

Note for single premium or paid-up policies: In certain situations, for example where the surrender value of the policy exceeds its replacement cost, the true economic value of the policy will be greater than the amount shown on line 56 of Form 712. In these situations, you should report the full economic value of the policy on Schedule F. See Rev. Rul. 78-137, 1978-1 C.B. 280 for details.

- Section 2044 property
- Claims (including the value of the decedent's interest in a claim for refund of income taxes or the amount of the refund actually received)
- Rights
- Royalties
- Leaseholds
- Judgments
- · Reversionary or remainder interests
- Shares in trust funds (attach a copy of the trust instrument)

- Household goods and personal effects, including wearing apparel
- · Farm products and growing crops
- Livestock
- Farm machinery
- Automobiles

If the decedent owned any interest in a partnership or unincorporated business, attach a statement of assets and liabilities for the valuation date and for the 5 years before the valuation date. Also attach statements of the net earnings for the same 5 years. You must account for goodwill in the valuation. In general, furnish the same information and follow the methods used to value close corporations. See the instructions for Schedule B.

All partnership interests should be reported on Schedule F unless the partnership interest, itself, is jointly owned. Jointly owned partnership interests should be reported on Schedule E.

If real estate is owned by the sole proprietorship, it should be reported on Schedule F and not on Schedule A. Describe the real estate with the same detail required for Schedule A.

Line 1.—If the decedent owned at the date of death articles with artistic or intrinsic value (e.g., jewelry, furs, silverware, books, statuary, vases, oriental rugs, coin or stamp collections), check the "Yes" box on line 1 and provide full details. If any one article is valued at more than \$3,000, or any collection of similar articles is valued at more than \$10,000, attach an appraisal by an expert under oath and the required statement regarding the appraiser's qualifications (see Regulations section 20.2031-6(b)).

Form 706 (Rev. 10-91)

Estate of:

SCHEDULE G-Transfers During Decedent's Life

(If you elect section 2032A valuation, you must complete Schedule G and Schedule A-1.)

ttern number	Description For securities, give CUSIP number, if available.	Alternate valuation date	Alternate value	Value at date of death
A.	Gift tax paid by the decedent or the estate for all gifts made by the decedent or his or her spouse within 3 years before the decedent's death (section 2035(c)).	x x x x x		
B.	Transfers includible under section 2035(a), 2036, 2037, or 2038:			İ
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Total fr	om continuation schedule(s) (or additional sheet(s)) attached to this s	schedule		
	OTAL. (Also enter on Part 5, Recapitulation, page 3, at item 7.).			

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SCHEDULE H-Powers of Appointment

If you elect section 2032A valuation, you must complete Schedule H and Schedule A-1.)

tem mber	Description	Alternate valuation date	Alternate value	Value at date of deat
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Total from contin	uation schedule(s) (or additional sheet(s))	attached to this schedule]	1

Schedule F-Page 19

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Form 706 (Rev. 10-91)

	SCHEDUL	E I—Annuities		Ţ.,	SCH	EDULE J—Funeral Expe	nses and Expenses Incurred in Administerin	g Property Sut	ect to Clain
Note: Gene	nerally, no exclusion is allowed for the estates of decedents		1984 (see instructions).				penses of administering property not subject to claims. For	r those expenses, s	see the instructio
A Are yo	ou excluding from the decedent's gross estate the fig.??	value of a lump-sum		n section Yes No	for So If e allow an inc	chedule L. xecutors' commissions, attorne able as a deduction in computi come tax deduction on Form 1	by fees, etc., are claimed and allowed as a deduction for ng the taxable income of the estate for Federal income 041 if a waiver is filed to waive the deduction on Form?	r estate tax purpos tax purposes. They '06 (see the Form	es, they are not are allowable a 1041 instructions
Item number	Description Show the entire value of the annuity before any exclusion	After ons. valuatio		Includible value at date of death	ltern numbi		Description	Expense amount	Total Amount
1					1	A. Funeral expenses:			
							Total funeral expenses		
	and the second s				1		mount estimated/agreed upon/paid. (Strike out the words to		
					2	•	mated/agreed upon/paid. (Strike out the words that do		
	*		A star to the star of the star	45 - 1	3.	Accountant fees—amount	estimated/agreed upon/paid. (Strike out the words that of	lo not apply.), .	
					4	Miscellaneous expenses:		Expense amount	-
		#. 					e teknologija izveta i se se koji. Toda		
					•		•		1
						Total miscellaneous expens	res from continuation schedule(s) (or additional sheet(s))		
Total	al from continuation schedule(s) (or additional sheet(s)) attached to this sche	dule		-	attached to this schedule.		1	-

Schedule J-Page 22

General.—You must complete and file Schedule J if you claim a deduction on item 11 of Part 5, Recapitulation.

On Schedule J itemize funeral expenses and expenses incurred in administering property subject to claims. Ust the names and addresses of persons to whom the expenses are payable and describe the nature of the expense. Do not list expenses incurred in administering property not subject to claims on this schedule. List them on Schedule L instead.

Funeral Expenses.—Itemize funeral expenses on line A. Deduct from the expenses any amounts that were reimbursed, such as death benefits payable by the Social Security Administration and the Veterans Administration.

Executors' Commissions.—When you file the return, you may deduct commissions that have actually been paid to you or that you expect will be paid. You may not deduct commissions if none will be collected. If the amount of the commissions has not been fixed by decree of the proper court, the deduction will be allowed on the final examination of the return, provided that:

- The District Director is reasonably satisfied that the commissions claimed will be paid;
- The amount entered as a deduction is within the amount allowable by the laws of the jurisdiction where the estate is being administered;
- It is in accordance with the usually accepted practice in that jurisdiction for estates of similar size and character.

If you have not been paid the commissions claimed at the time of the final examination of the return, you must support the amount you deducted with an affidavit or statement signed under the penalties of perjury that the amount has been agreed upon and will be paid.

You may not deduct a bequest or devise made to you instead of commissions. If, however, the decedent fixed by will the compensation payable to you for services to be rendered in the administration of the estate, you may deduct this amount to the extent it is not more than the compensation allowable by the local law or practice.

Do not deduct on this schedule amounts paid as trustees' commissions whether received by you acting in the capacity of a trustee or by a separate trustee. If such amounts were paid in administering property not subject to claims, deduct them on Schedule L.

Note: Executors' commissions are taxable income to the executors. Therefore, be sure to include them as income on your individual income tax return.

Attorney Fees.-Enter the amount of attorney fees that have actually been paid or that you reasonably expect to be paid. If on the final examination of the return the fees claimed have not been awarded by the proper court and paid, the deduction will be allowed provided the District Director is reasonably satisfied that the amount claimed will be paid and that it does not exceed a reasonable payment for the services performed, taking into account the size and character of the estate and the local law and practice. If the fees claimed have not been paid at the time of final examination of the return, the amount deducted must be supported by an affidavit, or statement signed under the penalties of perjury, by the executor or the attorney stating that the amount has been agreed upon and will be paid.

Do not deduct attorney fees incidental to litigation incurred by the beneficiaries. These expenses are charged against the beneficiaries personally and are not administration expenses authorized by the Code.

Form 706 (Rev. 10-91)

SCHEDULE K-Debts of the Decedent, and Mortgages and Liens

item number	Debts of the Decedent—Creditor and nature of claim, and allowable death taxes	Amount unpaid to date	Amount in contest	Amount claimed as a deduction
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Total from continuation schedule(s) (or additional sheet(s)) attached to this schedule

TOTAL. (Also enter on Part 5, Recapitulation, page 3, at item 12.)

Mortgages and Uans—Description Amount

1

Total from continuation schedule(s) (or additional sheet(s)) attached to this schedule

TOTAL (Also enter on Part 5, Recapitulation, page 3, at item 13.)

(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.)

(The instructions to Schedule K are in the separate instructions.)

Schedule K —Page 24

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orm 706 (R	lev. 10-91)	·	· ·	Form 706 (Rev. 10-91)
state o		1		Estate of:
•	SCHEDULE L—Net Losses During Adminis Expenses Incurred in Administering Property Not	stration and Subject to Claim	ıs İ	SCHEDULE M—Bequests, etc., to Surviving Spouse
item number	Net losses during administration (Note: Do not deduct losses claimed on a Federal income tax return.	``_`	Amount	Election To Deduct Qualified Terminable Interest Property Under Section 2056(b)(7).—If a trust (or other property) meets t requirements of qualified terminable interest property under section 2056(b)(7), and a. the trust or other property is listed on Schedule M, and b. the value of the trust (or other property) is entered in whole or in part as a deduction on Schedule M,
'			1	then (unless the executor specifically identifies property to be excluded from the election) the executor shall be deemed to ha
				made an election to have such trust (or other property) treated as qualified terminable interest property under section 2056(b). If less than the entire value of the trust (or other property) that the executor has included in the gross estate is entered as a deduction on Schedule M, the executor shall be considered to have made an election only as to a fraction of the trust (or other property). The numerator of this fraction is equal to the amount of the trust (or other property) deducted on Schedule M. The denominator is equal to the total value of the trust (or other property).
}		1		Ç. Yes A
				Did any property pass to the surviving spouse as a result of a qualified disclaimer? If "Yes," attach a copy of the written disclaimer required by section 2518(b). In what country was the surviving spouse born?
				b What is the surviving spouse's date of birth? c Is the surviving spouse a U.S. citizen? d If the surviving spouse is an aturalized citizen, when did the surviving spouse acquire citizenship? e If the surviving spouse is not a U.S. citizen, of what country is the surviving spouse a citizen?
				3 Qualified Domestic Trust.—Do you elect under section 2056A(d) to treat any trusts reported on Schedule M as qualified domestic trusts? (identify in the description column on Schedule M below the trusts to which the QDT election applies) (see instructions).
Total fr	rom continuation schedule(s) (or additional sheet(s)) attached to this schedule	B		4 Election out of QTIP Treatment of Annuities.—Do you elect under section 2056(b)(7)(C)(ii) not to treat as qualified terminable interest property any joint and survivor annuities that are included in the gross estate and would otherwise be treated as qualified terminable interest property under section 2056(b)(7)(C)? (see instructions)
	TOTAL. (Also enter on Part 5, Recapitulation, page 3, at ite	m 16.)		Item Description of property interests passing to surviving spouse Amount
Item number	Expenses incurred in administering property not subject to claims (Indicate whether estimated, agreed upon, or paid.)		Amount	1
1				
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÷ .				Total from continuation schedule(s) (or additional sheet(s)) attached to this schedule 5 Total amount of property interests listed on Schedule M
		· · · · · · · · · · · · · · · · · · ·		6a Federal estate taxes (including section 4980A taxes) payable out of property interests listed on Schedule M b Other death taxes payable out of property interests listed on Schedule M 6b 6b
Total fo	rom continuation schedule(s) (or additional sheet(s)) attached to this schedule	<u></u>	-	c Federal and state GST taxes payable out of property interests listed on Schedule M .
Total III	TOTAL (Also enter on Part 5, Recapitulation, page 3, at ite		<u> </u>	d Add items a, b, and c
	pace is needed, attach the continuation schedule from the end of this packa uctions to Schedule L are in the separate instructions.)	ge or additional sheets o	of the same size.) lule L —Page 25	(If more space is needed, attach the continuation schedule from the end of this package or additional sheets of the same size.) Schedule M—Page

Examples of Listing of Property Interests on Schedule M

item number	Description of property interests passing to surviving spouse	Amount
1	One-half the value of a house and lot, 256 South West Street, held by decedent and surviving spouse as joint tenants with right of survivorship under deed dated July 15, 1937 (Schedule E, Par I, item 1)	\$ 32,500
2	Proceeds of Gibraltar Life Insurance Company policy No. 104729, payable in one sum to surviving spouse (Schedule D, item 3)	20,000
3	Cash bequest under Paragraph Six of will	100,000

Instructions for Schedule M.—Bequests, etc., to Surviving Spouse (Marital Deduction)

General.—You must complete Schedule M and file it with the return if you claim a deduction on item 18 of Part 5, Recapitulation.

The marital deduction is authorized by section 2056 for certain property interests that pass from the decedent to the surviving spouse. You may claim the deduction only for property interests that are included in the decedent's gross estate (Schedules A through I).

Note: The marital deduction is generally not allowed if the surviving spouse is not a U.S. citizen. The marital deduction is allowed for property passing to such a surviving spouse in a "qualified domestic trust" or if such property is transferred or irrevocably assigned to such a trust before the estate tax return is filed. The executor must elect qualified domestic trust status on this return. See the instructions for line 3 on the following page for details on the election.

Line 1.—If property passes to the

page for details on the electron. Line 1,—If property passes to the surviving spouse as the result of a qualified disclaimer, check "Yes" and attach a copy of the written disclaimer required by section 2518(b).

Property interests that you may list on Schedule M.—Generally, you may list on Schedule M all property interests that pass from the decedent to the surviving spouse and are included in the gross estate. However, you should not list any "Nondeductible terminable interests" (described below) on Schedule M unless you are making a QTIP election. The property for which you make this election must be included on Schedule M. See "Qualified Terminable Interest Property" on the following page.

For the rules on common disaster and survival for a limited period, see section 2056(b)(3).

You may list on Schedule M only those interests that the surviving spouse takes:

- As the decedent's legatee, devisee, heir, or donee;
- 2. As the decedent's surviving tenant by the entirety or joint tenant;
- As an appointee under the decedent's exercise of a power or as a taker in default at the decedent's nonexercise of a power;

- 4. As a beneficiary of insurance on the
- As the surviving spouse taking under dower or curtesy (or similar statutory interest): and
- 6. As a transferee of a transfer made by the decedent at any time. Property interests that you may not list on Schedule M.—You should not list on Schedule M:
- The value of any property that does not pass from the decedent to the surviving spouse.
- 2. Property interests that are not included in the decedent's gross estate.
- 3. The full value of a property interest for which a deduction was claimed on Schedules J through L. The value of the property interest should be reduced by the deductions claimed with respect to it
- 4. The full value of a property interest that passes to the surviving spouse subject to a mortgage or other encumbrance or an obligation of the surviving spouse. Include on Schedule M only the net value of the interest after reducing it by the amount of the mortgage or other debt.
- 5. Nondeductible terminable interests (described below).
- 6. Any property interest disclaimed by the surviving spouse.
 Terminable interests.—Certain interests in property passing from a decedent to a surviving spouse are referred to as terminable interests. These are interests that will terminate or fail after the passage of time, or on the occurrence or propoccurrence of some contingency.

Examples are: life estates, annuities,

The ownership of a bond, note, or other contractual obligation, which when discharged would not have the effect of an annuity for life or for a term, is not considered a terminable interest.

Nondeductible terminable interests.—

estates for terms of years, and patents.

Nondeductible terminable interests.— A terminable interest is nondeductible, and should not be entered on Schedule M (unless you are making a QTIP election) if:

- Another interest in the same property passed from the decedent to some other person for less than adequate and full consideration in money or money's worth; and
- 2. By reason of its passing, the other person or that person's heirs may enjoy

part of the property after the termination of the surviving spouse's interest

This rule applies even though the interest that passes from the decedent to a person other than the surviving spouse is not included in the gross estate, and regardless of when the interest nasses. The rule also anniles regardless of whether the surviving spouse's interest and the other person's interest pass from the decedent at the same time. Property interests that are considered to pass to a person other than the surviving spouse are any property interest that: (a) passes under a decedent's will or intestacy: (b) was transferred by a decedent during life; or (c) is held by or passed on to any person as a decedent's joint tenant, as appointee under a decedent's exercise of a power as taker in default at a decedent's release or nonexercise of a power, or as a beneficiary of insurance in the decedent's life.

For example, a decedent devised real property to his wife for life, with remainder to his children. The life interest that passed to the wife does not qualify for the marital deduction because it will terminate at her death and the children will thereafter possess or enjoy the property.

However, if the decedent purchased a joint and survivor annuity for himself and his wife who survived him, the value of the survivor's annuity, to the extent that it is included in the gross estate, qualifies for the marital deduction because even though the interest will terminate on the wife's death, no one else will possess or enjoy any part of the property.

The marital deduction is not allowed for an interest that the decedent directed the executor or a trustee to convert, after death, into a terminable interest for the surviving spouse. The marital deduction is not allowed for such an interest even if there was no interest in the property passing to another person and even if the terminable interest would otherwise have been deductible under the exceptions described on the following page for life estate and life insurance and annuity payments with powers of appointment. For more information, see Regulations sections 20.2056(b)-1(f) and 20.2056(b)-1(a), Example (7),

Page 27

If any property interest passing from the decedent to the surviving spouse may be paid or otherwise satisfied out of any of a group of assets, the value of the property interest is, for the entry on Schedule M, reduced by the value of any asset or assets that, if passing from the decedent to the surviving spouse, would be nondeductible terminable interests. Examples of property interests that may be paid or otherwise satisfied out of any of a group of assets are a bequest of the residue of the decedent's estate, or of a share of the residue, and a cash legacy payable out of the general estate.

Example: A decedent bequeathed \$100,000 to the surviving spouse. The general estate includes a term for years (valued at \$10,000 in determining the value of the gross estate) in an office building, which interest was retained by the decedent under a deed of the building by gift to a son. Accordingly, the value of the specific bequest entered on Schedule M is \$90,000.

Life Estate With Power of Appointment in the Surviving Spouse.-A property interest, whether or not in trust, will be treated as passing to the surviving spouse, and will not be treated as a nondeductible terminable interest if: (a) the surviving spouse is entitled for life to all of the income from the entire interest: (b) the income is payable annually or at more frequent intervals; (c) the surviving spouse has the power, exercisable in favor of the surviving spouse or the estate of the surviving spouse, to appoint the entire interest; (d) the power is exercisable by the surviving spouse alone and (whether exercisable by will or during life) is exercisable by the surviving spouse in all events; and (e) no part of the entire interest is subject to a power in any other person to appoint any part to any person other than the surviving spouse (or the surviving spouse's legal representative or relative if the surviving spouse is disabled. See Rev. Rul. 85-35 1985-1 C.B. 328). If these five conditions are satisfied only for a specific portion of the entire interest, see the section 2056(b) regulations to determine the amount of the marital deduction.

Life Insurance, Endowment, or Annuity Payments, With Power of Appointment in Surviving Spouse.—A property interest consisting of the entire proceeds under a life insurance, endowment, or annuity contract is treated as passing from the decedent to the surviving spouse, and will not be treated as a nondeductible terminable interest if: (a) the surviving spouse is entitled to receive the proceeds in installments, or is entitled to interest on them, with all amounts payable during the life of the spouse, payable only to the surviving spouse; (b) the installment or interest Page 28

payments are payable annually, or more frequently, beginning not later than 13 months after the decedent's death: (c) the surviving spouse has the power, exercisable in favor of the surviving spouse or of the estate of the surviving spouse, to appoint all amounts payable under the contract; (d) the power is exercisable by the surviving spouse alone and (whether exercisable by will or during life) is exercisable by the surviving spouse in all events; and (e) no part of the amount payable under the contract is subject to a power in any other person to appoint any part to any person other than the surviving spouse. f these five conditions are satisfied only for a specific portion of the proceeds. see the section 2056(b) regulations to determine the amount of the marital deduction

Charitable Remainder Trusts.—An interest in a charitable remainder trust will not be treated as a nondeductible terminable interest if:

- The interest in the trust passes from the decedent to the surviving spouse;
- 2. The surviving spouse is the only beneficiary of the trust other than charitable organizations described in section 170(c).
- A "charitable remainder trust" is either a charitable remainder annuity trust or a charitable remainder unitrust. (See section 664 for descriptions of these trusts.)

Election To Deduct Qualified Terminable Interests (QTIP).—You may elect to claim a marital deduction for qualified terminable interest property or property interests. You make the QTIP election simply by listing the qualified terminable interest property on Schedule M and deducting its value. You are presumed to have made the QTIP election if you list the property and deduct its value on Schedule M. If you make this election, the surviving spouse's gross estate will include the value of the "qualified terminable interest property." See the instructions for line 6 of General Information for more details. The election is irrevocable.

If you file a Form 706 in which you do not make this election, you may not file an amended return to make the election unless you file the amended return on or before the due date for filing the original Form 706.

The effect of the election is that the property (interest) will be treated as passing to the surviving spouse and will not be treated as a nondeductible terminable interest. All of the other marital deduction requirements must still be satisfied before you may make this election. For example, you may not make this election for property or property interests that are not included in the decedent's gross estate.

Qualified Terminable Interest Property is property (a) that passes from the decodent, and (b) in which the surviving spouse has a qualifying income interest for life.

The surviving spouse has a qualifying income interest for life if the surviving spouse is entitled to all of the income from the property payable annually or at more frequent intervals, or has a usufruct interest for life in the property, and during the surviving spouse's lifetime no person has a power to appoint any part of the property to any person other than the surviving spouse. An annuly is treated as an income interest regardless of whether the property from which the annuity is payable can be separately identified.

The QTIP election may be made for all or any part of a qualified terminable interest property. A partial election must relate to a fractional or percentile share of the property so that the elective part will reflect its proportionate share of the increase or decline in the whole of the property when applying sections 2044 or 2519. Thus, if the interest of the surviving spouse in a trust (or other property in which the spouse has a qualified life estate) is qualified terminable interest property, you may make an election for a part of the trust (or other property) only if the election relates to a defined fraction or percentage of the entire trust (or other property). The fraction or percentage may be defined by means of a formula. Line 3.—Qualified Domestic Trust

- Line 3.—Qualified Domestic Trust Election.—The marital deduction is allowed for transfers to a surviving spouse who is not a U.S. citizen only if the property passes to the surviving spouse in a "qualified domestic trust" (DDT) or if such property is transferred or irrevocably assigned to a QDT before the decedent's estate tax return is filed.
- A QDT is any trust:
- That requires at least one trustee to be either an individual who is a citizen of the U.S. or a domestic corporation;
- 2. That requires that no distribution of corpus from the trust can be made unless such a trustee has the right to withhold from the distribution the tax imposed on the QDT.
- That meets the requirements of any applicable regulations; and
- For which the executor has made an election on the estate tax return of the decedent.

To make the election, you must answer "Yes" to the question on line 3. Once made, the election is irrevocable.

When listing property on Schedule M, identify that property for which the QDT election has been made. Include the employer identification number for each trust and the names and addresses of all

The determination of whether a trust

Line 4.—Section 2056(b)/7 creates an automatic OITP election for certain joint and survivor annuities that are includible in the estate under section 2039. To qualify, only the surviving spouse can have the right to receive payments before the death of the surviving spouse.

The executor can elect out of QTIP treatment, however, by checking the "Yes" box on line 4. Once made, the election is irrevocable. If there is more than one such joint and survivor anuity, you are not required to make the election for all of them.

If you make the election out of OTIP treatment by checking "Yes" on line 4, you cannot deduct the amount of the annuity on Schedule M. If you do not make the election out, you must list the joint and survivor annuities on Schedule M.

How To Complete Schedule M.—List each property interest included in the gross estate that passes from the decedent to the surviving spouse and for which a marital deduction is claimed. This includes otherwise nondeductible terminable interest property for which

you are making a QTIP election. Number each item in sequence and describe each item in detail. Describe the instrument (including any clause or paragraph number) or provision of law under which each item passed to the surviving spouse. If possible, show where each item appears (number and schedule) on Schedules A through I.

Enter the value of each interest before taking into account the Federal estate tax or any other death tax. The valuation dates used in determining the value of the gross estate apply also on. Schedule M.

If Schedule M includes a bequest of the residue or a part of the residue of the decedent's estate, attach a copy of the computation showing how the value of the residue was determined. Include a statement showing:

- The value of all property that is included in the decedent's gross estate (Schedules A through i) but is not a part of the decedent's probate estate, such as lifetime transfers, jointly owned property that passed to the survivor on decedent's death, and the insurance payable to specific beneficiaries.
- The values of all specific and general legacies or devises, with reference to the applicable clause or paragraph of the decedent's will or codicil: (If legacies are made to each member of a class, for example, \$1,000 to each of decedent's employees, only the number in each

class and the total value of property received by them need be furnished.)

- The date of birth of all persons, the length of whose lives may affect the value of the residuary interest passing to the surviving spouse.
- Any other important information such as that relating to any claim to any part of the estate not arising under the will.
- Lines 6a, b, and c.—The total of the values listed on Schedule M must be reduced by the amount of the Federal estate tax, the Federal GST tax, and the amount of state or other death and GST taxes paid out of the property interest involved. If you enter an amount for state or other death or GST taxes on lines 6b or 6c, identify the taxes and attach your computation of them. For additional information, see Pub. 904, Interrelated Computations for Estate and Gift Taxes.

Attachments.—If you list property interests passing by the decedent's will on Schedule M, attach a certified copy of the order admitting the will to probate. If, when you file the return, the court of probate jurisdiction has entered any decree interpreting the will or any of its provisions affecting any of the interests listed on Schedule M, or has entered any order of distribution, attach a copy of the decree or order. In addition, the District Director may request other evidence to support the marital deduction claimed.

	SCHEDULE O-Charitable, Public, and Sim	ilar Gifts and Bequests	
8	If the transfer was made by will, has any action been instituted to have inter of its provisions affecting the charitable deductions claimed in this schedule If "Yes," full details must be submitted with this schedule.		Yes M
b	According to the information and belief of the person or persons filing this n if "Yes," full details must be submitted with this schedule.	eturn, is any such action planned?	
	Did any property pass to charity as the result of a qualified disclaimer? If "Yes," attach a copy of the written disclaimer required by section 2518(b).		
ten		Character of institution	Amount
1			•
tal	from continuation schedule(s) (or additional sheet(s)) attached to this schedu	ule	
a la	Total Federal estate tax (including section 4980A taxes) payable out of property interests listed above.	48	
	Other death taxes payable out of property interests listed above Federal and state GST taxes payable out of property interests listed above.	4b 4c	
	Add items a, b, and c.	4d	
3	Net value of property interests listed above (subtract 4d from 3). Also enter o page 3, at item 19	on Part 5, Recapitulation,	

(The instructions to Schedule O are in the separate instructions.)

Page 29

Schedule O-Page 30

Form 706 (Rev. 10-91)				<u> </u>	Form 706 (Rev. 10-91)					
Estate of:				,	Note: To	avoid application of the de	emed allocation rul	es Form 706 and Sche	ing Transfer Tax dule R should be filed to	allocate th	ne GST exemp
	P—Credit for F	oreign Death	Taxes		to trusts report es	that may later have taxable state or GST tax.	terminations or di	stributions under section	n 2612 even if the form is	s not requ	iired to be file
List all foreign countries to which death tax					Part 1	.—GST Exemption Re	conciliation (Sec	ction 2631) and Se	ction 2652(a)(3) (Spe	cial QTII	P) Election
If a credit is claimed for death taxes paid to on this sheet and attach a separate copy of Sche	more than one foreig	gn country, comput	te the credit for taxes	paid to one country		ck box ▶ ☐ if you are ma	•		ection (see instructions)		\$1.000.
The credit computed on this sheet is for the					1 Max	dimum allowable GST exem	aption				
					2 Tota	I GST exemption allocated	by the decedent a	gainst decedent's lifeti	me transfers	2	
	imposed in	l	(Name of country)			al GST exemption allocate				3	
Credit is computed under the		nsert title of treaty or "st	stricte "1		trasi	31613					
Citizenship (nationality) of decedent at time of de		issur title or treaty or so			4 GS	T exemption allocated on li	ne 6 of Schedule R	, Part 2		4	
(All amounts and values n		ited States money)					0 -4 0-6-4-4- 5	Day 0		5	
1 Total of estate inheritance, legacy, and succession	taxes imposed in the c	ountry named above	attributable to property		5. GS	T exemption allocated on li	ne 6 of Schedule H	, Part 3 , . ,			
situated in that country, subjected to these taxes, a	and included in the gro	ss estate (as defined	by statute)		6 Tota	al GST exemption allocated	on line 4 of Scheo	lute(s) R-1		6	
2 Value of the gross estate (adjusted, if necessary, a					7 Tota	al GST exemption allocated	I to intervivos trans	fers and direct skips (a	dd lines 2-6)	7	,
3 Value of property situated in that country, subjecte estate (adjusted, if necessary, according to the inst	d to death taxes impos- tructions for item 3).	ed in that country, ar	nd included in the gross								
				1		T exemption available to al				8	
4 Tax imposed by section 2001 reduced by the total of 5 Amount of Federal estate tax attributable to properly											
by item 4.)					9 Alic	cation of GST exemption t	o trusts (as defined	for GS1 tax purposes):		
6 Credit for death taxes imposed in the country nam	ned above (the smaller	of item 1 or item 5):	Also enter on line 18 of	· 1		Α	B Torst's	C GST exemption	D Additional GST exemption allocated		E rust's inclusion o (optional—see
SCHEDULE (Q—Credit for T	ax on Prior Ti	ransfers			Name of trust	EIN (if any)	allocated on lines 2-6, above (see instructions)	(see instructions)		instructions)
										1	
Part 1.—Transferor Information		IDS of	ffice where estate								
Name of transferor	Social security numb		return was filed	Date of death							
								1		İ	
В											
c		ĺ	Ì	+						1	•
Check here ▶☐ if section 2013(f) (special valuation	of farm, etc., real proc	perty) adjustments to	the computation of the	credit were made (see				1		1	
instructions).				·	İ						
Part 2.—Computation of Credit (se	e instructions)						j				
Item		Transferor B	С	Total A. B. & C	Į.						
Transferee's tax as apportioned (from worksheet, fine 7 ÷ line 8) × line 35 for each column)	<u> </u>	. в									
2 Transferor's tax (from each column of worksheet, line 20)	-										
Maximum amount before percentage requirement (for each column, enter amount from line 1 or 2, whichever is smaller).											
Percentage allowed (each column) (see instructions)	96	%	96					90_			
5 Credit allowable (line 3 × line 4 for each column)					9D T	otal. May not exceed line 8	s, above		·		
6 TOTAL credit allowable (add columns A, B, and C of line 5). Enter here and on line 19 of Part 2, Tax Computation					(s	ST exemption available to a subtract line 9D from line 8)	. You must attach	special use allocation s		10	
(The instructions to Schedules P and Q are in the sep	erate instructions.)		Schedules	P and Q—Page 31	(The in:	structions to Schedule R ar	e in the separate in	nstructions.)		Sche	dule R—Pag

Estate of:

Name of skip person	Description of property interest transferred	Estate tax value
-		
* * * .		
1 Total estate tax values of all no	perty interests listed above	
- Total coluic lax values of all pro	and other charges borne by the property interests listed above . 2	

4 Total fixed taxes and other charges. (Add lines 2 and 3.) 5 Total tentative maximum direct skips. (Subtract line 4 from line 1.)

9 Enter the amount from line 8 of Schedule R, Part 3. 10 Total GST taxes payable by the estate. (Add lines 8 and 9.) Enter here and on line 22 of the Tax Computation on page 1

Estate of:

Part 3.—Direct Skips Where the Property Interests Transferred Do Not Bear the GST Tax on the Direct Skips

Total estate tax values of all property interests listed above Estate taxes, state death taxes, and other charges borne by the property interests listed above. SST taxes borne by the property interests listed above but imposed on direct skips other than those shown on this Part 3. (See instructions.) Total fixed taxes and other charges. (Add lines 2 and 3). Total fixed taxes and other charges. (Add lines 2 and 3). GST exemption allocated skips. (Subtract line 4 from line 1.). SST exemption allocated Subtract line 6 from line 5 GST tax due (multiply line 7 by .55). Enter here and on Schedule R, Part 2, line 9.	Name of sk	ip person	Description	of property inter	rest transferr	ed		Estate t	ax valu
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GST-exemption allocated 6 Subtract line 6 from line 5 7	Total fixed taxes	and other charges.	(Add lines 2 and 3.) .				4		
Subtract line 6 from line 5	Total tentative m	aximum direct skip:	s(Subtract line 4 from	line 1.)					
							8		

SCHEDULE R-1 (Form 706)

Generation-Skipping Transfer Tax

Direct Skips From a Trust

OMB No. 1545-0015 Expires 6-30-93

Schedule R-1 (Form 706)—Page 35

(October 1991) Department of the Treasury Internal Revenue Service Payment Voucher Executor: File one copy with Form 706 and send two copies to the fiduciary. Do not pay the tax shown. See the separate instructions. Fiduciary: See instructions on following page. Pay the tax shown on line 6. Trust's EIN Name of decedent Name and title of fiduciary Address of fiduciary (number and street) Decedent's SSN Service Center where Form 706 was filed City, state, and ZIP code Name of executor Address of executor (ournhor and street) City, state, and ZIP code Filing due date of Schedule R, Form 706 (with extensions) Date of decedent's death Part 1 .- Computation of the GST Tax on the Direct Skip Estate tax value Description of property interests subject to the direct skip 1 Total estate tax value of all property interests listed above 2 Estate taxes, state death taxes, and other charges borne by the property interests listed above. 3 3 Tentative maximum direct skip from trust. (Subtract line 2 from line 1.) 4 5 6 GST tax due from fiduciary (divide line 5 by 2.818182) (See instructions if property will not Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Signature(s) of executor(s) Signature of fiduciary or officer representing fiduciary

Form 706 (Rev. 10-91)

Instructions for Fiduciary

Purpose of Schedule R-1

Code section 2603(a)(2) provides that the Generation-Skipping Transfer (GST) tax imposed on a direct skip from a trust is to be paid by the trustee. Schedule R-1 (Form 706) serves as a payment voucher for the trustee to remit the GST tax to the IRS. See the instructions for Form 706 as to when a direct skip is from a trust.

How To Pay the GST Tax

The executor will compute the GST tax, complete Schedule R-1, and give you two copies. You should pay the GST tax using one copy and keep the other copy for your records.

The GST tax due is the amount shown on line 6. Make your check or money order for this amount payable to "Internal Revenue Service," write "GST tax" and the trust's EIN on it, and send it and one copy of the completed Schedule R-1 to the IRS Service Center where the Form 706 was filed, as shown on the front of the Schedule R-1.

When To Pay the GST Tax

The GST tax is due and payable 9 months after the decedent's date of death (entered by the executor on Schedule R-1). Interest will be charged on any GST taxes unpaid as of that date. However, you have an automatic extension of time to file Schedule R-1 and pay the GST tax due until 2 months after the due date (with extensions) for filing the decedent's Schedule R, Form 706. This Schedule R, Form 706 due date is entered by the executor on Schedule R-1. Thus, while interest will be due on unpaid GST taxes, no penalties will be charged if you file Schedule R-1 by this extended due daté.

Signature

You, as fiduciary, must sign the Schedule R-1 in the space provided.

_	n 708 (Rev. 10-91)				
_	tate of:		2		
	CHEDULE S—Increased Estate Tax on Ider section 4980A(d) of the Internal Revenue Code		ent Accumi	ulations	
Pa	Tax Computation		1		
,;	Check this box if a section 4980A(d)(5) spousal elect You must attach the statement described in the inst Enter the name and employer identification number in which the decadent had an interest at the time of de	uctions. EIN) of each qualified	1 -	nd individual re	▶ [
;	Name				EIN
•	Plan #1			 	
	Plan #2				
	Plan #3		:		
	IRA #2			 	
	IRA #3			17	
		A Plan #1	B Plan #2	C Plan #3	D All IRAs
				1	
3	Value of decedent's interest				
4	Amounts rolled over after death	<i>!!!!!!!!!!!!!!!!!</i>			
5	Total value (add lines 3 and 4)	. : }	 	 	
6	Amounts payable to certain alternate payees (see structions)) in-			
7	Decedent's investment in the contract under section	72(f)			
В	Excess life insurance amount		 		
9	Decedent's interest as a beneficiary			-	
D	Total reductions in value (add lines 6, 7, 8, and 9) .			-	<u> </u>
1	Net value of decedent's interest (subtract line 10 fr line 5)				
2	Decedent's aggregate interest in all plans and IRAs	add columns A-D of I	ine 11)	▶ 12	
3	Present value of hypothetical life annuity (from Part I	II, line 4)	13		
4	Remaining unused grandfather amount (from Part II,	line 4)	14		
5	Enter the greater of line 13 or line 14			15	
8	Excess retirement accumulation (subtract line 15 from	m line 12)		16	
7		here and on line 23		utation on	

Part II Grandfather Election	
1 Was a grandfather election made on a previously filed Form 5329? 1 "Yes," complete lines 2-4 below. You may not make or revoke the grandfather election after the due date (with extensions) for filing the decedent's 1968 income tax return. If "No," enter -0- on line 4 and skip to Part III.	.▶ □Yes □ N
2 Initial grandfather amount	2
3 Total amount previously recovered	3
4 Remaining unused grandfather amount (subtract line 3 from line 2). Enter here and on Part I, line 14, on page 37	4
Part III Computation of Hypothetical Life Annuity	
1 Decedent's attained age at date of death (in whole years, rounded down)	1
2 Applicable annual annuity amount (see instructions)	2
3. Present value multiplier (see instructions)	3
4 Present value of hypothetical life annuity (multiply line 2 by line 3). Enter here and on Part I, line 13, on page 37	4



Department of the Treasury

Instructions for Form 706 (Revised February 1993) United States Estate (and Generation-Skipping

Transfer) Tax Return

For decedents dying after December 31, 1992. (Section references are to the Internal Revenue Code unless otherwise noted.)

Peperwork Reduction Act Notice.—We ask for the information on this form to carry out the information who leaves of the United States. You are required to give us the information. We need it to ensure that you are complying with these leavs and to allow us to figure and collect the right amount of tax. The time needed to complete and file this form and related schedules will vary depending on individual circumstances. The estimated average times are:

2			an officer our	Constant personal line	•
		Learning about the law	Preparing	and sending the form	
Form	Recordkeeping		the form	to the IRS	0
902	2 hr., 11 min.	1 hr., 9 min.	3 hr., 26 min.	. 49 min.	، ت
Sch. A	20 min.	16 min.	10 min.	20 min.	- ^
A-1	46 min.	25 min.	59 min.	49 min.	
9	20 min.	10 min.	11 min.	20 min.	·.=
v	13 min.	2 min.	8 min.	20 min.	=
٥	7 min.	6 тіп.	8 min.	20 min.	ц.
ш	40 min.	7 min.	24 min.	20 min.	
<u>.</u>	33 min.	6 min.	21 min.	20 min.	_
g	26 min.	18 min.	11 min.	14 min.	•
I	26 min.	6 min.	10 min.	14 min.	٠.
_	26 min.	25 min.	11 min.	20 min.	- >
7	26 min.	5 min.	16 min.	20 min.	
¥	26 min.	9 min.	10 min.	20 min.	, 0
_	13 min.	5 min.	10 min.	20 min.	
2	13 min.	31 min.	24 min.	20 min.	_
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<u>a</u>	7 min.	14 min.	18 min.	14 min.	9)
o	7 min.	10 min.	t1 min.	14 min.	
O Wikshit.	t. 7 mán.	10 min.	59 min.	20 min.	-
Œ	20 min.	34 min.	1 hr., 1 min.	49 min.	, .
<u>4</u>	7 min.	29 min.	24 min.	20 min.	. 0
s	26 min.	22 min.	37 min.	25 min.	
Contin	20 min.	3 min	7 min.	20 min.	

If you have comments concerning the accuracy of these time estimates or suggestions for making this form more simple, we would be highly to hear from you. You can write to both the Internal Revenue Service, Washington, DC 20224, Attention: IRS Reports both the Internal Revenue Service, Washington, DC 20224, Attention: IRS Reports accordance Officer, T.F.P. and the Office of Management and Budget, Paperwork Reduction Project (1545-0015), Washington, DC 2050S. DO NOT send the tax form to either of these diffose, Instead, see Where To Tile on page 2.

Change To Note

 The maximum estate tax rate for the estates of decedents dying after For Decedents Dving

Apr	B	Before	Form 706 Dated
		January 1, 1982	November, 1981
December 31, 1981		October 23, 1986	November, 1987
October 22, 1986		January 1, 1990	October, 1988
December 31, 1989		October 9, 1990	July, 1990
October 8, 1990		January 1, 1993	October, 1991
December 31, 1992			February, 1993

General Instructions

The executor of a decedent's estate uses form 706 to figure the estate tax imposed by Chapter 11 of the Internal Revenue Code. This tax is levied on the entire taxable estate, not just on the share received by a particular beneficiary. Form 70% is also, usefu to compute the generation-skipping transfer (SST) tax imposed by Chapter 13 on direct skips (transfers to skip persons of interests in property included in the decedent's gross Purpose of Form

Which Estates Must File

Form 706 must be filed by the executor for the estate of every U.S. cifize or resident whose gross estate, plus adjusted taxable gifts and specific exemption, is more than

To determine whether you must file a return for the estate, add: 1. The adjusted taxable gifts (under section 2001(b)) made by the decedent after December 31, 1976;

2. The total specific exemption allowed under section 2521 (as in effect before its repeal by the Tax Reform Act of 1976) for gifts made by the decedent after September 8, 1976; and

3. The decedent's gross estate valued at the date of death.

You must file a return for the estate if the folso of 1, 2 and 3 above is more than \$600,000 for decedents dying after 1986. For filling requirements for decedents dying after 1881 and before 1988, see the November 1987 Revision of Form 1706.

Gross Estate

December 31, 1992, has decreased from 55% to 50%.

The gross estate includes all property in which the decedent had an interest (including real property outside the United States), it also includes: Certain transfers made during the decedent's life without an adequate and full consideration in money or money's

Use Revision of

 Joint estates with right of survivorship; Tenancies by the entirety;

Life insurance proceeds (even though payable to beneficiaries other than the estate);

Property over which the decedent possessed a general power of

Dower or curtesy (or statutory estate) of the surviving spouse; '

Community property to the extent of the decedent's interest as defined by applicable law.

For more specific information, see the instructions for Schedules A through I.

U.S. Citizens or Residents;

Nonresident Noncitizens

File Form 706 for the estates of decadents who were effect. U.S. Artistans or U.S. Torolder, United States Estates or U.S. Toolek, United States Estates (and Generation-Skipping) Transfer) Tax Return. Estate of nonresident not actizen of the United States, for the estates of nonresident alien decadents (decadents who were neither U.S. cittees no residents at the time of death).

Residents of U.S. Possessions

All references to criteris of the United States are subject to the provisions of sections 2.028 and 2.039. relating to decedents who were U.S. critteris and residents of a U.S. critteris and of death. If such a decedent became a U.S. criteris only because of this or her connection with a possession, then the decedent to careletered a nonresident allen to decedent for estate tax purposes, and you should file form 708NA. If such a decedent for each a U.S. critteris wholly independently of his or her connection with a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is a possession, then the decedent is an open and you should file form 706.

Executor

The term "executor" means the executor, prevonal representative, or administrator of the decodent's estate, if none of these is appointed, unaffelded, and extrangle in the United States, every person in actual or constructive possession of any property of the decodent is considered an executor and must like a return.

When To File

You must file Form 706 to report estate and/or generative-stipping transfer tax within 6 months after the date of the decoderit's death unless you neashe an extension of time to file. Use Form 4788, Application for Extension of Time To File a Return and/or Paly U.S. Estates (and Generation-Stupping Timster) Taxes, to apply for an extension of time. If you papply for an extension, attach a copy of it to Form 706.

Where To File

Unless the return is hand carried to the office of the District Director; please mail it to the Internal Revenue Service Center

Pege 2

indicated below for the state where the decedent was domiciled at the time of death. If you are filing a return for the

n, mail it enter,	
estate of a nonresident U.S. citizen, mail it to the Internal Revenue Service Center, Philadelphia, PA 19255, USA. Where To File.—	
estate of a nonresident U.S. of the Internal Revenue Service Philadelphia, PA 19255, USA.	
estate of a nonrecto the internal RePhiladelphia, PA	

in posting it to the proper account.	Signature and Verification if there is more than one executor, all isted executors must verify and sign the	return. All executors are responsible for the return as filed and are liable for soon penatities provided for erroneous or false returns.	₽≢	are unable to join in making one complete return, each is required to file a return disclosing all the information the person the person that it the case including the property of			an interest in the property must, on notice
	Holtsville, NY 00501	Andover, MA 05501	Kansas City, MO 64999	Philadelphia, PA 19255	Cincinnati, OH 45999	Austin, TX 73301	
Contract of Contract							zona, California

Michigan, Onio, West Virginia	Cincinnati, OH 45999
Kansas, New Mexico, Oklahoma, Texas	Austin, TX 73301
Aleska, Arzona, California (counties of Alpine, Amador, Butte, Calmana, California	
Contra Costa, Del Norte, El Dorado, Glenn, Humboldt,	
Lake, Lessen, Marin, Mendocino, Modoc, Napa,	
Nevada, Placer, Plumas, Sacramento, Sen Joequin,	
Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter,	Ugosn, UI SAZUI
Tehama, Trinity, Yolo, and	
Control Control	

Fresno, CA 93888 Memphis, TN 37501 Alabama, Arkansas, Louislana, Mississippi, North Cerolina, Tenness

Paying the Tax

The estate and GST taxes are due within 9 in months after the date of the decedent's bedeath unless an extension of time for payment has been granted, or unless you have properly elected under eachton (16 or pay in installments, or under section (163 to postone the part of the tax attributable to a reversionary or remainder interest. These elections are made by checking lines a land a (responsible) of Part 3. Elections by the Escuctor, and attracting the required statements.

If the tax paid with the return is different from the balance due as ignared on the return, explain the difference in an attached statement. If you have made prior payments to RS or redeemed certain marketable United States Tressury bonds to pay the estate tax (see the last

Enter the social security number assigned specifically to the decedent. You carnot use the social security number assigned to the decedent's spouse. If the decedent did not have a social security number, the executor should obtain one for the decedent by fling form 884, with a local decedent by fling form 884, with a local Social Security Administration office. paragraph of the instructions to Schedule 38, attachs a statement to form 706 including these facts. If an extension of time to pay has been granted, attach a copy of the approved form 4768 to Form 706. In every case, sign the declaration on page 1 under peratties of perjury, if the return is prepared by someone other than the person who is filling the return, the prepare must also sign at the bottom of page 1. Make the check payable to the Internal Revenue Service. Please write the decedent's name, social security number, and "Form 706" on the check to assist us in posting it to the proper account. Part 1 Line 2 Atlanta, GA 39901 Montana, Nebraska, Neveda, North Dakota, Oregon, South Dakota, Utah, Weshington, Georgia, South California (all other counties), Hawaii New York (al countles), Co Maine, Mass Hampshire, I Vermont Ultrois, Iowa,

Line 6a-Name of Executor

If there is more than one executor, enter the name of the executor to be contacted by the IRS. List the other executors names, addresses, and SSNs (if applicable) on an attached sheet.

Line 6b—Executor's Address

Use Form 8822, Change of Address, to report a change of the executor's address. Line 60—Executor's Social

Only individual executors should complete this line. If there is more than one individual executor, all should list their social security numbers on an ettached sheet. Security Number

Cat. No. 16779E

Supplemental Documents

You must attach the death certificate to the return.

If the decedent was a citizen or resident and died testate, attach a certified copy of the will to the return. Other supplemental documents may be required as explained below. Examples include Forms 712, 709, 709-A, and 706CE, trust and power of appointment instruments, death certificate, and state certification of payment of death taxes. If you do not file these documents with the return, the processing of the return will be delayed.

If the decedent was a U.S. chizen but not a resident of the United States, you must attach the following documents to the return: (1) a copy of the inventory of property and the schedule of liabilities, claims against the estate, and expenses of administration filed with the foreign court of probate jurisdiction, certified by a proper official of the court; (2) a copy of the return filed under the foreign inheritance, estate, legacy, succession tax, or other death tax act, certified by a proper official of the foreign tax department, if the estate is subject to such a foreign tax; and (3) if the decedent died testate, a certified copy of the will.

Rounding Off to Whole Dollars

You may show the money items on the return and accompanying schedules as whole-dollar amounts. To do so, drop any amount less than 50 cents and increase any amount from 50 cents through 99 cents to the next higher dollar.

Penalties

Section 6851 provides for penalties for both late filing and for tate payment unless there is reasonable cause for the delay. The law also provides for penalties for willful attempts to evade payment of tax. The late filing penalty will not be imposed in the taxpayer can show that the fallure to file a timely return is due to reasonable cause. Executors filing late (after the due date, including extensions) should attach an explanation to the return to show reasonable cause.

Section 6682 provides a penalty for the underpayment of estate tax of \$5,000 or more when the underpayment is attributable to valuation understatements. A valuation understatement occurs when the value of property reported on Form 706 is 50 percent or less of the actual value of the property.

These penalties also apply to late filing, late payment, and underpayment of GST taxes.

Publication 448

Additional information may be found in Pub. 448, Federal Estate and Gift Taxes.

Specific Instructions

You must file the first three pages of Form 706 and all required schedules. Schedules A through I must be filed, as appropriate, to support the entries in items 1 through 9 of the Recapitulation.

If you enter zero on any item of the Recapitulation, you need not file the schedule (except for Schedule F) referred to on that item.

If you claim any deductions on items 11 through 19 of the Recapitulation, you must complete and attach the appropriate Schedule(s) to support the claimed deductions.

If you claim the credits for foreign death taxes or tax on prior transfers, you must complete and attach Schedule P or O.

Form 706 has 41 numbered pages. The pages are perforated so that you can remove them for copying and filing. When you complete the return, staple all the required pages together in the proper order.

Number the items you list on each schedule, beginning with 1 each time. Total the items listed on the schedule and its attachments, Continuation Schedules, etc. Enter the total of all attachments, Continuation Schedules, etc., at the bottom of the printed schedule, but do not carry the totals forward from one schedule to the next. Enter the total or totals for each schedule on the Recapitulation, page 3, Form 708.

Do not complete the "Alternate valuation date" or "Alternate value" columns of any schedule unless you elected alternate valuation on line 1 of Part 3, Elections by the Executor.

If there is not enough space on a schedule to list all the terms, attach a Continuation Schedule (or additional sheets of the same size) to the back of the schedule. The Continuation Schedule is located at the end of the Form 706 package. You should photocopy the blank schedule before completing it if you will need more than one copy.

Instructions for Part 3.— Elections by the Executor

Line 1—Alternate Valuation

Unless you elect at the time you file the return to adopt alternate valuation as authorized by section 2032, you must value all properly included in the gross setate on the date of the decedent's death. Alternate valuation cannot be applied to only a part of the property. You may elect special use valuation (line 2) in addition to alternate valuation.

You may not elect alternate valuation unless the election will decrease both the value of the gross estate and the total net estate and GST taxes due after application of all allowable credits.

Alternate valuation is elected by checking "Yes" on line 1 and filing Form 706. Once made, the election may not be revoked. The election may be made on a

late filed Form 706 provided it is not filed later than 1 year after the due date (including extensions).

If you elect alternate valuation, value the property that is included in the gross estate as of the applicable dates as

1. Any property distributed, sold, exchanged, or otherwise disposed of or separated or passed from the gross estate by any method within 6 months after the decedent's death is valued on the date of distribution, sale, exchange, or other disposition, whichever occurs first. Value this property on the date it ceases to form a part of the gross estate, that is, on the date the title passes as the result of its sale, exchange, or other disposition.

Any property not distributed, sold, exchanged, or otherwise disposed of within the 6-month period is valued on the date 6 months after the date of the decedent's death.

3. Any property, interest, or estate that is "affected by mere lapse of time" is valued as of the date of decadent's death or on the date of its distribution, sale, exchange, or other disposition, whichever occurs first. However, you may change the date of death value to account for any change in value that is not due to a "mere lapse of time" on the date of its distribution, sale, exchange, or other disposition.

The property included in the alternate valuation and valued as of 6 months after the date of the decedent's death, or as of some intermediate date (as described above) is the property included in the gross estate on the date of the decedent's death. Therefore, you must first determine what property constituted the gross estate at the decedent's death.

Interest accrued to the date of the decedent's death on bonds, notes, and other interest-bearing obligations is property of the gross estate on the date of death and is included in the alternate valuation. Rent accrued to the date of the decedent's death on leased real personal property is property of the gross estate on the date of death and is included in the alternate valuation.

Outstanding dividends that were declared to stockholders of record on or before the date of the decedent's death are considered property of the gross estate on the date of death, and are included in the alternate valuation. Ordinary dividends declared to stockholders of record after the date of the decedent's death are not property of the gross estate on the date of death and are not included in the alternate valuation. However, if dividends are declared to stockholders of record after the date of the decedent's death so that the shares of stock at the later valuation date do not reasonably represent the same property at the date of the decedent's death, include those dividends (except dividends paid from earnings of the corporation after the date of the decedent's death) in the alternate

As part of each Schedule A through I, you must show: (1) what property is

Page 3

included in the gross estate on the date of the decedent's death; (2) what property was distributed, sold, exchanged, or otherwise disposed of within the 6-month period after the decedent's death, and the dates of these distributions, etc. These two items should be entered in the "Description" column of each schedule. Briefly explain the status or disposition governing the alternate valuation date such as: "Not disposed of within 6 months following death," "Distributed," "Sold," "Bond paid on maturity," etc. In this same column, describe each item of principal and includible income: (3) the date of death value, entered in the appropriate value column with items of principal and includible income shown separately; and (4) the alternate value, entered in the appropriate value column with items of principal and includible income shown. separately. In the case of any interest or estate, the value of which is affected by lapse of time, such as patents, leaseholds, estates for the life of another, or remainder interests, the value shown under the heading "Alternate value" must be the adjusted value (i.e., the value as of the date of death with an adjustment reflecting any difference in its value as of the later date not due to lapse of time).

Distributions, sales, exchanges, and other dispositions of the property within the 6-month period after the decedent's death must be supported by evidence. If the court issued an order of distribution during that period, you must submit a certified copy of the order as part of the evidence. The District Director may require you to submit additional evidence if necessary.

Line 2—Special Use Valuation of Section 2032A

Under section 2032A, you may elect to value certain farm and closely held business real property at its farm or business use value rather than its fair market value. You may elect both special use valuation and alternate valuation. To elect this valuation you must check "Yes" to line 2 and complete and attach Schedule A-1 and its required additional statements. You must file Schedule A-1 and its required attachments with Form 706 for this election to be valid. You may make the election on a late filed return so long as it is the first return filed.

The total value of the property valued under section 2032A may not be decreased from fair market value by more than \$7.50 000

Real property may qualify for the section 2032A election if:

1. The decedent was a U.S. citizen or

- 1. The decedent was a U.S. citizen or resident at the time of death;
- 2. The real property is located in the United States;
- At the decedent's death the real property was used by the decedent or a family member for farming or in a trade or business or is rented for such use by the surviving spouse to a family member on a net cash basis;

- The real property was acquired from or passed from the decedent to a qualified heir of the decedent;
- 5. The real property was owned and used in a qualified manner by the decedent or a member of the decedent's family during 5 of the 8 years before the decedent's death:
- 6. There was material participation by the decedent or a member of the decedent's family during 5 of the 8 years before the decedent's death: and
- 7. The qualified property is the percentage of the decedent's gross estate specified in section 2032A.

For definitions and additional information, see section 2032A and the related regulations.

Include the words "section 2032A valuation" in the "Description" column of any Form 706 schedule if section 2032A property is included in the decedent's gross estate.

An election under section 2032A need not include all the property in an estate that is eligible for special use valuation, but sufficient property to satisfy the threshold requirements of section 2032A(b)(1)(B) must be specially valued under the election.

If joint or undivided interests (e.g., interests as joint tenants or tenants in common) in the same property are received from a decedent by qualified heirs, an election with respect to one heir's joint or undivided interest need not include any other heir's interest in the same property if the electing heir's interest plus other property to be specially valued satisfies the requirements of section 2032/a/vity01

If successive interests (e.g., life estates and remainder interests) are created by a decedent in otherwise qualified property, an election under section 2032A is available only with respect to that property (or part) in which qualified heirs of the decedent receive all of the successive interests, and such an election must include the interests of all of those heirs.

For example, if a surviving spouse receives a life estate in otherwise qualified property and the spouse's brother receives a remainder interest in fee, no part of the property may be valued pursuant to an election under section 2032A.

Where successive interests in specially

valued property are created, remainder interests are treated as being received by qualified heirs only if the remainder qualified heirs only if the remainder interests are not contingent on surviving a nonfamily member or are not subject to divestment in favor of a nonfamily member. Protective Election.—You may make a protective election to specially value qualified real property. Under this election, whether or not you may uttimately use special use valuation depends upon values as finally determined (or agreed to following examination of the return) meeting the requirements of section 2032A.

To make a protective election, check "Yes" to line 2 and complete Schedule A-1 according to its instructions for "Protective Election."

If you make a protective election, you should complete this Form 706 by valuing all property at its fair market value. Do not use special use valuation. Usually, this will result in higher estate and GST tax liabilities than will be utilimately determined it special use valuation is alloyed. The protective election does not extend the time to pay the taxes shown on the return. If you wish to extend the time to pay the taxes, you should file Form 4768 in adequate time before the return due date.

If it is found that the estate qualifies for special use valuation based on the values as finally determined (or agreed to following examination of the return), you must file an amended Form 706 (with a complete section 2032A election) within 60 days after the date of this determination. Complete the amended return using special use values under the rules of section 2032A, and complete Schedule A-1 and attach all of the required statements.

Line 3-Installment Payments

If you check this line to make a protective election, you should attach a notice of protective election as described in Regulations section 20.8168-1(d), iff you check this line to make a final election, you should attach the notice of election described in Regulations section 20.6168-1(d).

In computing the adjusted gross estate under section 6166(b)(6) to determine whether an election may be made under section 6166, the net amount of any real estate in a closely held business must be

You may also elect to pay GST taxes in installments. See section 6166(i).

Line 4—Reversionary or Remainder Interests

For the details of this election, see section 6163 and the related regulations.

Instructions for Part 4.— General Information (pages 2 and 3)

Power of Attorney

Completing the authorization on page 2 of form 706 will authorize one attorney, accountant, or enrolled agent to represent the estate and receive confidential tax information, but will not authorize the representative to enter into closing agreements for the estate. If you wish to represent the estate, you must complete and sign the authorization.

If you wish to authorize persons other than attorneys, accountants, and enrolled agents, or if you wish to authorize more than one person, to receive confidential information or represent the estate, you must complete and attach Form 2848.

Page 4

Power of Attorney and Declaration of Representative.

You must also complete and attach Form 2848 if you wish to authorize someone to enter into closing agreements for the estate.

If you wish only to authorize someone to inspect and/or receive confidential tax information (but not to represent you before the IRS), you must complete and file Form 8821, Tax Information
Authorization.

line 4

Complete line 4 whether or not there is a surviving spouse and whether or not the surviving spouse received any benefits from the estate. If there was no surviving spouse on the date of decedent's death, enter "None" in line 4a and leave lines 4b and 4c blank. The value entered in line 4c need not be exact. See the instructions for "Amount," under line 5, below.

l ine 5

Name.—Enter the name of each individual, trust, or estate who received (or will receive) benefits of \$5,000 or more from the estate directly as an heir, next-of-kin, devisee, or legatee, or indirectly (for example, as beneficiary of an annuity or insurance policy, shareholder of a corporation, or partner of a partnership that is an pier, etc.).

Identifying Number.—Enter the social security number of each individual beneficiary listed. If the number is unknown, or the individual has no number, please indicate "unknown" or "none." For trusts and other estates, enter the employer identification number.

Relationship.—For each individual beneficiary enter the relationship (if known) to the decedent by reason of blood, marriage, or adoption. For trust or estate beneficiaries, indicate TRUST or ESTATE.

Amount —Enter the amount actually distributed (or to be distributed) to each beneficiary including transfers during the decedent's life from Schedule G required to be included in the gross estate. The value to be entered need not be exact. A reasonable estimate is sufficient. For example, where precise values cannot readily be determined, as with certain future interests, a reasonable approximation should be entered. The total of these distributions should approximate the amount of gross estate reduced by funeral and administrative expenses, debts and mortgages, bequests to surviving spouse, charitable bequests, and any Federal and state estate and GST taxes paid (or payable) relating to the benefits received by the beneficiaries listed on lines

All distributions of less than \$5,000 to specific beneficiaries may be included with distributions to unascertainable beneficiaries on the line provided.

Line 6-Section 2044 Property

If you answered "Yes," these assets must be shown on Schedule F.

Section 2044 property is property for which a previous section 2056(b)(7) election (OITP election) has been made, or for which a similar gift tax election (section 2523) has been made. For more details see Puh 448

Line 8—Insurance Not Included in the Gross Estate

If you checked "Yes" for either 8a or 8b, you must complete and attach Schedule D and attach a Form 712, Life insurance Statement, for each policy and an explanation of why the policy or its proceeds are not includible in the gross estate.

Line 10—Partnership Interests and Stock in Close Corporations

If you answered "Yes" to line 10, you must include full details for partnerships and unincorporated businesses on Schedule F (Schedule E if the partnership interest is jointly owned). You must include full details for the stock of inactive or close corporations on Schedule B.

Value these interests using the rules of Regulations section 20.2031-2 (stocks) or 20.2031-3 (other business interests).

A "close corporation" is a corporation whose shares are owned by a limited number of shareholders. Often, one family holds the entire stock issue. As a result, little, if any, trading of the stock takes place. There is, therefore, no established market for the stock, and those sales that do occur are at irregular intervals and seldom reflect all the elements of a representative transaction as defined by the term "fair market value."

Line 12—Trusts

If you answered "Yes" to either 12a or 12b, you must attach a copy of the trust instrument for each trust.

You must complete Schedule G if you answered "Yes" to 12a and Schedule F if you answered "Yes" to 12b.

Line 14—Transitional Marital Deduction Computation

You must check "Yes" if property passes to the surviving spouse under a maximum marital deduction formula provision that meets the requirements of section 403(e)(3) of the Economic Recovery Tax Act of 1981 (P. L. 97-34; 95 Stat. 305).

If you check "Yes" to line 14, you must compute the marital deduction under the rules that were in effect before the Economic Recovery Tax Act of 1981.

For a format for this computation, you should obtain the November 1981 revision of Form 706 and its instructions. The computation is items 19 through 25 of the Recapitulation. You should also apply the rules of Rev. Rul. 80-148, 1980-1 C.B. 207, if there is property that passes to the surviving spouse outside of the maximum marital deduction formula provision.

Line 16—Excess Retirement Accumulation

If the decedent did not have any interest in a qualified employer plan or individual retirement plan (defined in section 7701(a)(37)), check "No" to this question.

Note: The tax on excess retirement accumulations will not apply to most decedents because the present value of the hypothetical annuity is usually so large that very few decedents will have a larger total interest in qualified plans and individual retirement plans. The rules below are a general description of the section 4980A(t) excess retirement accumulation. If it appears, after reading these rules, that there is the possibility of such an excess, see the instructions for Schedule S on page 20 for more information.

- A "qualified plan" means any:
- 1. Qualified pension, profit-sharing, or stock bonus plan described in section 401(a) that includes a trust exempt from tax under section 501(a);
- 2. Annuity plan described in section 403(a):
- 3. Annuity contract, custodial account, or retirement income account described in section 403(b)(1), 403(b)(7), or 403(b)(9):
- Qualified bond purchase plan described in section 405(a) prior to that section's repeal by section 491(a) of the Tax Reform Act of 1984.

To determine if the decedent had an excess retirement accumulation, you must first total all of the decedent's interests (as of the date of death) in qualified plans and individual retirement plans. Then determine the present (date of death or alternate valuation date) value of a hypothetical life annuity for the decedent. This hypothetical life annuity must pay the decedent the greater of \$150,000 (unindexed) or \$112,500 (indexed) per year, times the multiplier described in the instructions for line 3, Part III, of Schedule S. Those instructions are on page 21.

If the decedent's total interest in the plans is greater than the value of this hypothetical annuity, then there is an excess retirement accumulation, and you should check "Yes" to question 16 and attach Schedule S to your return.

Instructions for Part 5.— Recapitulation (Page 3 of Form 706)

Gross Estate

Items 1 through 9.—You must make an entry in each of items 1 through 9. If the gross estate does not contain any assets of the type specified by a given item, enter zero for that item. Entering zero for any of items 1 through 9 is a statement by the executor, made under penalties of perjury, that the gross estate does not contain any includible assets covered by that Item. Do not enter any amounts in the "Alternate value" column unless you elected alternate valuation on line 1 of Elections by the Executor on page 2.

Which Schedules To Attach for Items 1
Through 9.—You must attach Schedule F
to the return and answer its questions
even if you report no assets on it.

You must attach Schedules A. B. and C if the gross estate includes any Real Estate; Stocks and Bonds; or Mortgages, Notes and Cash, respectively. You must attach Schedule D if the cross estate includes any Life Insurance or if you answered "Yes" to question 8a. You must attach Schedule E if the gross estate contains any Jointly Owned Property or if you answered "Yes" to question 9. You must attach Schedule G if the decedent made any of the lifetime transfers to be listed on that schedule or if you answered "Yes" to question 11 or 12a. You must attach Schedule H if you answered "Yes" to question 13. You must attach Schedule I if you answered "Yes" to question 15.

Deductions

Items 11 Through 19.—You must attach the appropriate schedules for the deductions you claim.

Item 15.—If item 14 is less than or equal to the value (at the time of the decedent's death) of the property subject to claims, enter the amount from item 14 on item 15.

If the amount on item 14 is more than the value of the property subject to claims, enter the greater of (a) the value of the property subject to claims, or (b) the amount actually paid at the time the return is filed.

In no event should you enter more on item 15 than the amount on item 14. See section 2053 and the related regulations for more information.

Instructions for Part 2.—Tax Computation (Page 1 of Form 706)

In general, the estate tax is figured by applying the unified rates shown in Table A to the total of transfers both during life and at death, and then subtracting the gift taxes. You must complete the Tax Computation.

Line 1

If you elected alternate valuation on line 1, Part 3, Elections by the Executor, enter the amount you entered in the "Alternate value" column of item 10 of Part 5, Recapitulation. Otherwise, enter the amount from the "Value at date of death"

Lines 4 and 9

Three worksheets are provided to help you compute the entries for these lines. You need not file these worksheets with your return but should keep them for your records. Worksheet TG allows you to reconcile the decedent's lifetime taxable gifts to compute totals that will be used for the line 4 and line 9 worksheets. You must get all of the decedent's gift tax returns (Form 709, United States Gift (and Generation-Skipping Transfer) Tax Return) before you complete Worksheet TG. The amounts you will enter on Worksheet TG can usually be derived from these returns as filed. However, if any of the returns were audited by the IRS, you should use the amounts that were finally determined as a result of the audits.

Special Treatment of Split Gifts.—These special rules apply only if:

- The decedent's spouse predeceased
 the decedent:
- The decedent's spouse made gifts that were "split" with the decedent under the rules of section 2513;
- The decedent was the "consenting spouse" for those split gifts, as that term is used on Form 709; and
- The split gifts were included in the decedent's spouse's gross estate under section 2035.

If all four conditions above are met, do not include these gifts on line 4 of the Tax Computation and do not include the gift taxes payable on these gifts on line 9 of the Tax Computation. These adjustments are incorporated into the worksheet.

Line 7

Lines 7a-c are used to calculate the phaseout of the unified credit and graduated rates. The phaseout applies only to estates in which the amount the tentative tax is computed on exceeds \$10 million.

Line 12

If the decedent made gifts (including gifts made by the decedent's spouse and treated as made by the decedent by reason of gift splitting) after September 8, 1976, and before January 1, 1977, for which the decedent claimed a specific exemption, the unified credit on this estate tax return must be reduced. The reduction is figured by entering 20% of the specific exemption claimed for these gifts. (Note: The specific exemption was allowed by section 2521 for gifts made before January 1, 1977.)

If the decedent did not make any gifts between September 8, 1976, and January 1, 1977, or if the decedent made gifts during that period but did not claim the specific exemption, enter zero.

Line 15

You may take a credit on line 15 for estate, inheritance, legacy, or succession taxes paid as the result of the decedent's death to any state or the District of Columbia. However, see section 2053(d) and the related regulations for exceptions and limits if you elected to deduct the taxes from the value of the gross estate.

If you make a section 6166 election to pay the Federal estate tax in installments and make a similar election to pay the state déath tax in installments, see Rev. Rul. 86-38, 1986-1 C.B. 296, for the method of computing the credit allowed with this Form 706.

The credit may not be more than the amount figured by using Table B on page 9, based on the value of the adjusted taxable estate. The adjusted taxable estate is the amount of the Federal taxable estate (line 3 of the Tax Computation) reduced by \$60,000. You may claim an anticipated amount of credit and figure the Federal estate tax on the return before the state death taxes have been paid. However, the credit cannot be finally allowed unless you pay the state death taxes and claim the credit within 4 years after the return is filed (or later as provided by the Code if a petition is filed with the Tax Court of the United States, or if you have an extension of time to pay) and submit evidence that the tax has been paid. If you claim the credit for any state death tax that is later recovered, see Regulations section 20.2016-1 for the notice you are required to give the IRS within 30 days.

If you transfer property other than cash to the state in payment of state inheritance taxes, the amount you may claim as credit is the lesser of the state inheritance tax liability discharged or the fair market value of the property on the date of the transfer.

1977	a. Calendar year or calendar quarter	b. Total taxable gifts reported on Form 709 for period (see Note)	exemption. Follow:	ition of a taxable gift se Form 709. That is, inclu ifts were made by the o	ide only the decede	ent's one-half of solit
1932, and before	Total taxable gifts made before 1977		c. Taxable amount included in col. b for gifts included in the gross estate	d. Taxable amount included in col. b for gifts that qualify for special treatment of split gifts' described above	Gift tax paid by decedent on gifts in col. d	Gift tax paid by decedent's spouse or gifts in col. c
after 1978						
	worksheet Adjus	ted Taxable Gifts Ma	ade After 1976			
Taxa colu Taxa	able gifts made after 19 imn c, Worksheet TG	976. Enter the amount fi 176 reportable on Sched 976 that qualify for "sp ksheet TG	tule G. Enter the an	nount from line 2.		

Line 9 Worksheet Gift Tax on Gifts Made After 1976

a. Calendar year or calendar quarter	b. Total taxable gifts for prior periods (from Form 709, Tax Computation, line 2)	c.	d.	•.	1.
Total pre-1977 taxable gifts. Enter the amount from line 1, Worksheet TG		Taxable gifts for this period (from Form 709, Tax Computation, line 1)	Tax payable using Table A (on page 9)	Unused unified credit for this period (see below)	Tax payable for this period (subtract col. e from col. d)
			*		:
· · · · · · · · · · · · · · · · · · ·			,		
	, , , ,	,	-		
		ì	,	1	
Total gift to	xes payable on gifts ma	de ofter 1076 (combine	the emounts is selve		
	paid by the decedent of				
	nn e, Worksheet TG on				
. Gift tax paid	d by decedent's spouse				
2. column f,	, Worksheet TG on pag-	e7			
5. Add lines 3	and 4. Enter here and	on line 9 of the Tax Co	mputation of Form 708		

Column dt: To figure the Tax payable" for this column, you must use Table A in these instructions, as it applies to the year of the decedent's death rather than to the year the girts were actually made. To compute the entry for col. d, you should figure the "tax payable" on the amount in col. b and subtract it from the "tax payable" on the amounts in cols. b and cadded together. Enter the difference in col. d.

If the amount in columns b and c combined exceeds \$10 million for any given calendar year, then you must calculate the tax in column d for that year using the Form 709 revision in effect for the year of the decedent's clearly.

To calculate the tax, enter the amount for the appropriate year from column c of the worksheet on line 1 of the Tax Computation of the Form 709. Enter the amount from column b on line 2 of the Tax Computation. Complete the Tax Computation through the tax due before any reduction for the unified credit and enter that amount in column d, above.

Column e: To figure the unused utified credit, use the unified credit in effect for the year the gift was made. This amount should be on line 12 of the Tax Computation of the Form 709 filed for the gift.

For more details, see Rev. Rul. 86-117, 1986-2 C.B. 157.

You should send the following evidence to the IRS:

Certificate of the proper officer of the taxing state, or the District of Columbia, showing: (a) the total amount of tax imposed (before adding interest and penalties and before allowing discount); (b) the amount of discount allowed; (c) the amount of penalties and interest imposed or charged; (d) the total amount actually paid in cash; and (e) the date of payment.

Any additional proof the IRS specifically requests.

You should file the evidence requested above with the return if possible. Otherwise, send it as soon after you file the return as possible.

Line 17

You may take a credit for Federal gift taxes imposed by Chapter 12 of the Code, and the corresponding provisions of prior laws, on certain transfers the decedent made before January 1, 1977, that are included in the gross estate. The credit cannot be more than the amount figured by the following formula:

Gross estate tax minus (the sum of the state death taxes and unified credit)

Value of gross estate minus
(the sum of the deductions for charitable, public, and similar gifts and bequests and marital deduction)

Page 8

For more information, see the regulations under section 2012. This computation may be made using Form 4808, Computation of Credit for Giff 12x. Attach a copy of a completed Form 4808 or the computation of the credit. Also attach all available copies of Forms 709 filed by the decodent to help verify the amounts entered on lines-4, 9, and 17.

Line 2

If you answered "Yes" to question 16 of General Information, you must complete Schedule S. Enter the tax due from line 17 of Schedule S on line 23. This increased estate tax may not be offset by any of the estate tax credits on lines 11–19.

Line 26

You may not use these bonds to pay the GST tax. You may use these bonds to pay the increased estate tax shown on line 23.

Instructions for Schedule A.—Real Estate

See the reverse side of Schedule A on Form 706.

Instructions for Schedule B.—Stocks and Bonds

General

If the total gross estate contains any stocks or bonds, you must complete Schedule B and file it with the return.

On Schedule B list the stocks and bonds included in the decedent's gross estate. Number each item in the ieft-hand column. Bonds that are exempt from Federal income taxes are not exempt from estate taxes unless specifically exempted by an estate tax provision of the Code. Therefore, you should list these bonds on Schedule B.

Public housing bonds includible in the gross estate must be included at their full value.

If you paid any estate, inheritance, legacy, or succession tax to a foreign country on any stocks or bonds included

(continued on page 10)

Table B Worksheet	Federal Adjusted Taxable Estate	Federal taxable estate (from Tax Computation,	Form 706, line 3) 60,000	Adjustment Federal adjusted taxable estate. Subtract line 2	maximum credit for state death taxes in Table B.
		Federal ta	Form 706.	Federal adju	maximum
	L				_

Table B

_	7	_	5 5 _	_	
		9	Rate of credit on excess over amount in column (1)	(Percent)	20 8 8 8 9 0 1 1 2 9 8 8 9 0 1 1 2 9 8 8 9 0 1 1 2 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	rt above.)	6	Credit on amount in column (1)		106,800 146,800 190,800 238,800 239,,800 402,800 650,800 786,800 930,800 1,082,800
eath Taxes	g the worksher	8	Adjusted taxable estate less than—		2.540,000 3,040,000 3,540,000 4,040,000 5,040,000 7,040,000 8,040,000 8,040,000 10,040,000
edit for State D	computed usin	8	Adjusted taxable estate equal to or		2.040,000 2.540,000 3.540,000 3.540,000 4.040,000 5.040,000 7.640,000 8.040,000 9.040,000
Commission of Maximum Credit for State Death Taxes	mand on Federal adjusted taxable estate computed using the worksheet above.)	47	Rate of credit on excess over amount	III COMMIN (1)	(Percent) (Note 108 108 108 108 108 108 108 108 108 108
Commutation	Federal adjuste		Credit on amount in column (1)		9,000 1,200 3,600 10,000 18,000 27,600 38,600 70,800
	Co peedly		Adjusted taxable estate less than—		\$40,000 940,000 140,000 240,000 640,000 1,540,000 2,040,000 2,040,000
			(1) Adjusted texable of the section	more than-	240,000 940,000 140,000 240,000 440,000 640,000 640,000 1,540,000 1,540,000

nate valuation is not adopted; date of death, January 1, 1993 Examples showing use of Schedule B

	EXECUTION WITHOUT UNG GALLOS HOLDS				
			Attemate	Attemate	Attemate Value at date
E	Description including face amount of bonds or number of shares and par value where	Unit value	vatuation	vatue	of death
number	needed for identification. Give Coosin mande :: con-				
-	\$60,000-Arkansas Railroad Co. first mortgage 4%, 20-year bonds,				
	due 1995, Interest payable quartenty on rec. 1, may 1, 7437 1,	<u>8</u>			000'09
	Nov. 1, N. J. Charles 195, Community of the series and payable on Nov.				9
		-			3
	and channe Bublic Service Corp., common; N.Y. Excharge, CUSIP No.	,			55,000
N	CONTROL OF THE CONTRO	2			_
	Dividend on item 2 of \$2 per share declared Dec. 10, 1992, payable				1,000

If the stock or bond is unlisted, show the company's principal business office.

The CUSIP (Committee on Uniform Security Identification Procedure) number is a nine-digit number that is essagined to all stocks and bonds traded on major exchanges and many unlisted securities. Usually, the CUSIP number is printed on the face of the stock certificate. If the CUSIP number is not printed on the certificate, it may be obtained through the company's transfer agent. List interest and dividents on each stock S or bond separately. Indicate as a separate is interest and dividents that have not been dividents that have not been collected at death, but which are payable to the decedent or the estate because the the decedent was a stockholder of record on the date of death. However, the stock is C being traded on an exchange and is selling exclivition on the date of the decedent's can death, do not include the amount of the decedent's or on though the amount of the date of the exclivition do that of the decedent's death. Dividends a date of the decedent's death. Dividends be death of the decedent's death of the decedent of payable to a stockholders of record on a date after the first market value of the stock on the stock on the decedent's death of the decedent of payable to a specific stock before the stockholders of record on a date after the first market waller of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death of the decedent's death are not includible in the a gross estate for Federal estate tax in this schedule, group those stocks and bonds together and label them "Subjected to Foreign Death Taxes."

List the fair market value of the stocks or bonds. The fair market value of a stock or bond (whether listed or untilised) is the man between the highest and lowest selling prices quoticed on the valuation date. If only the closing selling proces quoticed on the valuation date. If only the closing selling proces quotient to the fair market value is the if market value of the price on the valuation date and on the fraind gay before the valuation date. To de frainding day before the valuation date. To de frainding day before the valuation date. To de frainding day before the valuation date.

1, Find the mean between the highest and lowest selling prices on the hearest trading date before and the nearest trading date after the valuation date. Both trading dates must be reasonably close to the valuation date.

Par value where needed for identification

Whether common or preferred

e issue

Number of shares

For stocks indicate:

Description

3. Add or subtract (whichever applies) the prorated part of the difference to or from the mean price figured for the nearest trading date before the valuation date. Prorate the difference between the mean prices to the valuation date.

Principal exchange upon which sold, if listed on an exchange

Exact name of corporation

Price per share

 CUSIP number, if available Quantity and denomination

For bonds indicate:

If no actual sales were made reasonably close to the velation date, made the same computation using the mean between the computation using the mean between the bons fide bid and asked prices instead of sales prices; if eattle sides prices or bons fide bid and asked prices are verilable within a reasonable period of time before the valuation date, or vice versa, use the mean between the highest and lowest sales

prices or bid and asked prices as the fair market value.

55,000

8

No. XXXXXXXXX

Not disposed of within 6 months following death

Not disposed of within 6 months following death

Dividend on item 2 of \$2 per share declared Dec. 10, 1992, and paid on Jan. 10, 1993, to holders of record on Dec. 30, 1992.

45,000 90,

7/1/83 1/10/93

등 8

8 8

8

2/1/93 2/1/93

Vatue at date of death

Atternate

Unit value

Description including face amount of bonds or number of shares and per value where needed for identification. Give CLISIP number if evaluable.

tem

Example where the alternate valuation is adopted; date of death, January 1, 1993

000'09

29,700 29,400

4/1/93

8 8 8

For example, assume that sales of stock nearest the vitalization date (Lune 15) occurred 2 trading days before (Lune 15) and 3 trading days after (Lune 16). On and 3 trading days after (Lune 19). On and 3 trading days after (Lune 19). On any and a trading days after (Lune 19). Therefore, the price of \$15 to considered the fair market value of a share of stock on the valuation date it, however, on June 13 and 18, the mean sale prices per states were \$15 and \$10, respectively, the fair market value of a share of stock on the valuation date it is a share of stock on the valuation date is \$15 and \$10, respectively, the fair market value of a share of stock on the valuation date is \$13.

If only closing prices for bonds are available, see Regulations section 20.2031-2(b).

Apply the rules in the section 2031 regulators to determine the value of incuries stock and stock in close corporations. Send with the scabbolise corporations. Send with the scabbolise competent managed and other data used to determine value, including balance sheets (particularly the one nearest to the seaming or operating results and chindren paid for each of the 5 years immediately before the valuation datile.

Securities reported as of no value, norminal value, or obsolete ahoud be listed marinal include the address of the company and the state and date of the incorporation. Attach copies of correspondence of statements used to determine the "no, value."

Generalization in the security was listed on more than one stock excitation, use either the records of the excitation where the security is principally traded or the composite listing of combined excitations, it is existing, in a publication of general circulation, in valuing listed stocks and bonds, you should carefully check accurate records to obtain carefully check accurate records to obtain carefully other applicable valuation date. If you get quotations from brokers, or evidence of the sale of securities from the officers of the issuing companies, attach the schedule copies of the letters

Page 10

Page 9

Principal exchange, if listed on an exchange

Interest due date

Interest rate

Date of maturity Name of obligor

CUSIP number, if available

43	3

furnishing these quotations or evidence of

See Rev. Rul. 69-489, 1969-2 C.B. 172, for the special valuation rules for certain marketable U.S. Treasury Bonds (issued before March 4, 1971). These bonds, commonly called "flower bonds." may be redeemed at par plus accrued interest in payment of the tax at any Federal Reserve bank, the office of the Treasurer of the United States, or the Bureau of the Public Debt, as explained in Rev. Proc. 69-18, 1969-2 C.B. 300.

Instructions for Schedule D.—Insurance on the Decedent's Life

See the reverse side of Schedule D on Form 706

Instructions for Schedule E.—Jointly Owned Property

See the reverse side of Schedule E on Form 706.

Instructions for Schedule F.—Other Miscellaneous Property

See the reverse side of Schedule F on Form 706.

Instructions for Schedule G.—Transfers During Decedent's Life

You must complete Schedule G and file it with the return if the decedent made any of the transfers described below in 1 through 5 or if you answered "Yes" on line 11 or 12a of Part 4, General Information.

Five types of transfers should be reported on this schedule:

Certain gift taxes.—Section 2035(c).
Enter at item A of the Schedule the total
value of the gift taxes that were paid by
the decedent or the estate on gifts made
by the decedent or the decedent's spouse
within 3 years before death.

The date of the gift, not the date of payment of the gift tax, determines whether a gift tax paid is included in the gross estate under this rule. Therefore, you should carefully examine the Forms 709 filed by the decedent and the decedent's spouse to determine what part of the total gift taxes reported on them was attributable to gifts made within 3 years before death. For example, if the decedent died on July 10, 1993, you should examine gift tax returns for 1993, 1992, 1991, and 1990. However, the gift taxes on the 1990 returns that are attributable to gifts made before July 10, 1990, are not included in the gross estate.

Attach an explanation of how you computed the includible gift taxes if you do not include in the gross estate the entire gift taxes shown on any Form 709 filed within 3 years of death. Also attach copies

of any pertinent gift tax returns filed by the decedent's spouse within 3 years of death.

- Other transfers within 3 years before death.—Section 2035(a). These transfers include only the following:
- Any transfer by the decedent with respect to a life insurance policy within 3 years before death.
- Any transfer within 3 years before death of a retained section 2036 life estate, section 2037 reversionary interest, or section 2038 power to revoke, etc., if the properly subject to the life estate, interest, or power would have been included in the gross estate had the decedent continued to possess the life estate, interest, or power until death.

These transfers are reported on Schedule G regardless of whether a gift tax return was required to be filed for them when they were made. However, the amount includible and the information required to be shown for the transfers are determined:

- For insurance on the life of the decedent using the instructions to Schedule D. (Attach Form(s) 712.)
- For insurance on the life of another using the instructions to Schedule F. (Attach Form(s) 712.)
- For sections 2036, 2037, and 2038 transfers, using paragraphs 3, 4, and 5 of these instructions.
- 3. Transfers with retained life estate (section 2036)—These are transfers in which the decedent retained the income from the transferred property or the right to designate the person or persons who will possess or enjoy the transferred property, or the income from the transferred property if the transfer was made:

(a) Between March 4, 1931, and June 6 1932, inclusive, and the decedent alone retained the right to so designate for life, or for any period that did not in fact end before the decedent's death; or

(b) After June 6, 1932, and the decedent retained the right to so designate, either alone or with any person, for life, for any period that must be ascertained by reference to the decedent's death, or for any period that did not in fact end before the decedent's death.

Retained Voting Rights. Transfers with a retained life estate also include transfers of stock in a "controlled corporation" after June 22, 1976, if the decedent retained or acquired voting rights in the stock. If the decedent retained direct or indirect voting rights in a controlled corporation, the decedent is considered to have retained enjoyment of the transferred property. A comporation is a "controlled corporation" if the decedent owned (actually or constructively) or had the right (either alone or with any other person) to vote at least 20% of the total combined voting power of all classes of stock. See section 2036(b), if these voting rights ceased or were relinquished within 3 years before the decedent's death, the corporate interests are included in the gross estate as if the decedent had actually retained the voting rights until death.

- 4. Transfers taking effect at death-(section 2037).—These are transfers made on or after September 8, 1916, that took effect at the decedent's death. A transfer that takes effect at the decedent's death is one under which possession or enjoyment can be obtained only by surviving the decedent. A transfer is not treated as one that takes effect at the decedent's death unless the decedent retained a reversionary interest in the property that immediately before the decedent's death had a value of more than 5% of the value of the transferred property. If the transfer was made before October 8, 1949, the reversionary interest must have arisen by the express terms of the instrument of
- 5. Revocable transfers (section 2038).— These are transfers in which the enjoyment of the transferred property was subject at decedent's death to any change through the exercise of a power to after, amend, revoke, or terminate, as follows:
- If the transfer was made before 4.01
 p.m., eastern standard time, June 2, 1924, and the power was reserved at the time of the transfer and was exercisable by the decedent alone or with a person who had no substantial adverse interest in the transferred property.
- If the transfer was made on or after 4.01 p.m., eastern standard time, June 2, 1924, and before June 23, 1936, and the power was reserved at the time of the transfer and was exercisable by the decedent alone or with any person (regardless of whether that person had a substantial adverse interest in the transferred property) or property, or
- If the transfer was made after June 22, 1936, regardless of whether the power was reserved at the time of the transfer or later created or conferred, regardless of the source from which the power was acquired, regardless of whether the power was exercisable by the decedent alone or with any person, and regardless of whether that person had a substantial adverse interest in the transferred property.
- If the decedent relinquished within 3 years before death any of the includible powers described above, you should determine the gross estate as if the decedent had actually retained the powers until death

For more detailed information on which transfers are includible in the gross estate, see the Estate Tax Regulations.

Special Valuation Rules for Certain Lifetime Transfers

Note: Code sections 2701–2704 were enacted by the Omnibus Budget Reconciliation Act of 1990. These sections provide rules for valuing certain transfers to ramily members and are generally effective for transfers occurring after October 8, 1990.

Section 2701 deals with the transfer of an interest in a corporation or partnership while retaining certain distribution rights, or a liquidation, put, call, or conversion right. Section 2702 deals with the transfer of an interest in a trust while retaining any interest other than a qualified interest. In general, a qualified interest is a right to receive certain distributions from the trust at least annually, or a noncontingent remainder interest if all of the other interests in the trust are distribution rights specified in section 2702.

Section 2703 provides rules for the valuation of properly transferred to a family member but subject to an option, agreement, or other right to acquire or use the property at less than fair market value. It also applies to transfers subject to restrictions on the right to sell or use the property.

Finally, section 2704 provides that in certain cases the lapse of a voting or liquidation right in a family-owned corporation or partnership will result in a deemed transfer.

These rules have potential consequenses for the valuation of property in an estate. If the decedent (or any member of his or her family) was involved in any such transactions, see Code sections 2701–2704 for additional details.

How To Complete Schedule G

All transfers (other than outright transfers not in trust and bona fide sales) made by the decedent at any time during life must be reported on the Schedule regardless of whether you believe the transfers are subject to tax. If the decedent made any transfers not described in the instructions on page 11, the transfers should not be shown on Schedule G. Instead, attach a statement describing these transfers: list the date of the transfer, the amount or value, and the type of transfer.

Complete the schedule for each transfer that is included in the gross estate under sections 2035(a), 2036, 2037, and 2038 as described on page 11.

In the "Item number" column, number each transfer consecutively beginning with 1. In the "Description" column, list the name of the transferee, the date of the transfer, and give a complete description of the property. Transfers included in the gross estate should be valued on the date of the decedent's death or, if the alternate valuation is adopted, according to section 2032

If only part of the property transferred meets the terms of section 2035(a), 2036, 2037, or 2038, then only a corresponding part of the value of the property should be included in the value of the gross estate. If the transferee makes additions or improvements to the property, the increased value of the property at the valuation date should not be included on Schedule G. However, if only a part of the value of the property is included, enter the value of the whole under the column headed "Description" and explain what part was included.

Attachments.—If a transfer, by trust or otherwise, was made by a written instrument, attach a copy of the instrument

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to the Schedule. If of public record, the copy should be certified; if not of record, the copy should be verified.

Instructions for Schedule H.—Powers of Appointment

You must complete Schedule H and file it with the return if you answered "Yes" to line 13 of Part 4. General information.

- On Schedule H include in the gross estate:
- The value of property for which the decedent possessed a general power of appointment on the date of his or her death; and
- 2. The value of property for which the decedent possessed a general power of appointment which he or she exercised or released before death by disposing of it in such a way that if it were a transfer of property owned by the decedent, the property would be includible in the decedent's gross estate. (See section 2041 and Pub. 448 for more details.)

Powers of Appointment

A power of appointment includes all powers which are in substance and effect powers of appointment regardless of how they are identified and regardless of local property laws. For example, if a settlor transfers property in trust for the life of his wife, with a power in the wife to appropriate or consume the principal of the trust, the wife has a power of appointment.

General Power of Appointment.—A general power of appointment is a power that is exercisable in favor of the decedent, the decedent's estate, the decedent's creditors, or the creditors of the decedent's estate, except:

- A power to consume, invade, or appropriate property for the benefit of the decedent that is limited by an ascertainable standard relating to health, education, support, or maintenance of the decedent.
- A power created on or before October 21, 1942, that is exercisable by the decedent only in conjunction with another person.
- 3. A power created after October 21, 1942, exercisable by the decedent only in conjunction with (a) the creator of the power, or (b) a person who has a substantial interest in the property subject to the power, which is adverse to the exercise of the power in favor of the decedent
- A part of a power created after October 21, 1942, is considered a general power of appointment if the power.
- May only be exercised by the decedent in conjunction with another person; and
- Is also exercisable in favor of the other person (in addition to being exercisable in favor of the decedent, the decedent's creditors, the decedent's estate, or the creditors of the decedent's estate)

The part to include in the gross estate as a general power of appointment is figured by dividing the value of the property by the number of persons (including the decedent) in favor of whom the power is exercisable.

Date Power Was Created.—Generally, a power of appointment created by will is considered created on the date of the testator's death. However, a power of appointment created by a will executed on or before October 21, 1942, is considered a power created on or before that date if the person executing the will died before July 1, 1949, without having republished the will, by codicil or otherwise, after October 21, 1942.

A power of appointment created by an inter vivos instrument is considered created on the date the instrument takes effect. If the holder of a power exercises it by creating a second power, the second power is considered as created at the time of the exercise of the first.

Attachment

If the decedent ever possessed a power of appointment, attach a certified or verified copy of the instrument granting the power and a certified or verified copy of any instrument by which the power was exercised or released. You must file these copies even if you contend that the power was not a general power of appointment, and that the property is not otherwise includible in the grospe state.

Instructions for Schedule I.—Annuities

You must complete Schedule I and file it with the return if you answered "Yes" to question 15 of Part 4, General Information. Enter on Schedule I every annuity that meets all of conditions 1-4 under General, below, and every annuity described in paragraphs e-h of Annuities Under Approved Plans, even if the annuities are wholly or partially excluded from the gross estate.

See the instructions for line 3 of Schedule M for a discussion regarding the QTIP treatment of certain joint and survivor annuities.

General

Except as otherwise provided under Annuities Under Approved Plans on page 13, include in the gross estate on this schedule all or part of the value of an annuity receivable by any beneficiary following the death of the decedent under a contract or agreement that satisfies all four conditions below:

- The contract or agreement is not a policy of insurance on the life of the decedent:
- 2. The contract or agreement was entered into after March 3, 1931;
- The annuity is receivable by the beneficiary because he or she survived the decedent: and
- 4. Under the contract or agreement, an annuity was payable to the decedent (or

the decedent possessed the right to receive the annuity) either alone or in conjunction with another, for the decedent's life or for any period not ascentainable without reference to the decedent's death or for any period that did not in fact end before the decedent's death.

Part Includible —If the decedent contributed only part of the purchase price of the contract or agreement, include in the gross estate only that part of the value of the annuity receivable by the surviving beneficiary that the decedent's contribution to the purchase price of the annuity or agreement bears to the total purchase price. For example, if the value of the survivor's annuity was \$20,000 and the decedent had contributed three-fourths of the nurchase price of the contract, the amount includible is \$15,000 (3/4 × \$20,000). Except as provided under Annuities Under Approved Plans. contributions made by the decedent's employer to the purchase price of the contract or agreement are considered made by the decedent if they were made by the employer because of the decedent's employment. For more information see section 2039

"Annuity" Defined.—The term "annuity" includes one or more payments extending over any period of time. The payments may be equal or unequal, conditional or unconditional, periodic or sporadic. The following are examples of contracts (but not necessarily the only forms of contracts) for annuities that must be included in the orces estate.

- A contract under which the decedent immediately before death was receiving or was entitled to receive, for the charation of life, an annuity with payments to continue after death to a designated beneficiary, if surviving the decedent:
- 2. A contract under which the decedent immediately before death was receiving or was entitled to receive, together with another person, an annuity payable to the decedent and the other person for their joint lives, with payments to continue to the survivor following the death of either;
- 3. A contract or agreement entered into by the decedent and employer under which the decedent immediately before death and following retirement was receiving, or was entitled to receive, an annuity payable to the decedent for life and after the decedent; death to a designated beneficiary, if surviving the decedent, whether the payments after the decedent, whether the payments after the decedent option or electron exercised or exercisable by the decedent. However, see Annuities Under Approved Plans, below
- 4. A contract or agreement entered into by the decedent and employer under which at the decedent's death, before retirement or before the expiration of a stated period of time, an annuity was payable to a designated beneficiary, if surviving the decedent. However, see Annutities Under Approved Plans, below;

- 5. A contract or agreement under which the decedent immediately before death was receiving, or was entitled to receive, an annuity for a stated period of time, with the annuity to continue to a designated beneficiary, surviving the decedent, upon the decedent's death before the expiration of that period of time;
- 6. An annuity contract or other arrangement providing for a series of substantially equal periodic payments to be made to a beneficiary for life or over a period of at least 36 months after the date of the decedent's death under an individual retirement account, annuity, or bond as described in section 2039(e) (before its repeal by PL 98-369).

Annuities Under Approved Plans.—The statute allowing an exclusion for annuities under approved plans has been repealed. However, under the special rules provided for the annuities described in a—h below, it may be possible to exclude part or all of the value of these annuities from the gross estate.

No exclusion is allowed for annuities under approved plans unless either condition 1 or 2 below is met:

- On December 31, 1984, the decedent was both a participant in the plan and in pay status (i.e., had received at least one benefit payment on or before December 31, 1984), and the decedent irrevocably elected the form of the benefit before July 18, 1984; or
- 2. The decedent separated from service before January 1, 1985, and did not change the form of benefit before death.

If either of the above conditions is met, an exclusion is allowed. The exclusion may not exceed \$100,000 unless either of the two additional conditions below is met:

- 1. On December 31, 1982, the decedent was both a participant in the plan and in pay status (i.e., had received at least one benefit payment on or before December 31, 1982, and the decedent irrevocably elected the form of the benefit before January 1, 1983; or
- 2. The decedent separated from service before January 1, 1983, and did not change the form of benefit before death.
- If either of the above conditions is met, the exclusion is not subject to the \$100,000 limitation.

Approved Plans:

- a. An employees' trust (or under a contract purchased by an employees' trust) forming part of a pension, stock bonus, or profit-sharing plan that met all the requirements of section 401(a), either at the time of the decedent's separation from employment (whether by death or otherwise) or at the time of the terminatior of the plan (if earlier);
- b. A retirement annuity contract purchased by the employer (but not by an employees' trust) under a plan that, at the time of the decedent's separation from employment (by death or otherwise), or at the time of the termination of the plan (if earlier), was a plan described in section 403(a);

- c. A retirement annuity contract purchased for an employee by an employer that is an organization referred to in section 170(b)(1)(A)(ii) or (iv), or that is a religious organization (other than a trust), and that is exempt from tax under section 501(a):
- d. Chapter 73 of Title 10 of the United States Code;
- e. A bond purchase plan described in section 405 (before its repeal by P.L. 98-369, effective for obligations issued after December 31, 1983.)
- If an annuity under an "approved plan" described in a-e above is receivable by a beneficiary other than the executor and the decedent made no contributions under the plan toward the cost, no part of the value of the annuity, subject to the \$100,000 limitation (if applicable), is includible in the gross estate if the decedent made a contribution under a plan described in a-e above toward the cost, include in the gross estate on this schedule that proportion of the value of the annuity which the amount of the decedent's contribution under the plan bears to the total amount of all contributions under the plan. The remaining value of the annuity is excludable from the gross estate subject to the \$100,000 limitation (if applicable). For the rules to determine whether the decedent made contributions to the plan, see Pub. 448.

Note: The accounts, annuities, and bonds described in I-h, below, are "approved plans" only if they provide for a series of substantially equal periodic payments to be made to a beneficiary for life, or over a period of at least 36 months after the date of the descendit's death.

- f. An individual retirement account described in section 408(a);
- g. An individual retirement annuity described in section 408(b);
- h. A retirement bond described in section 409(a)(before its repeal by P.L. 98-369).

Subject to the \$100,000 limitation, if applicable, if an annuity under a "plan" described in f-h above is receivable by a heneficiary other than the executor, the entire value of the annuity is excludable from the gross estate even if the decedent made a contribution under the plan. However, if any payment to or for an account or annuity described in paragraph f, g, or h above was not allowable as an income tax deduction under section 219 (and was not a rollover contribution as described in section 2039(e) before its repeal by P.L. 98-369), include in the gross. estate on this schedule that proportion of the value of the annuity which the amount not allowable as a deduction under section 219 and not a rollover contribution bears to the total amount paid to or for such account or annuity. For more information, see Regulations section 20.2039-5

If any part of an annuity under a "plan" described in a-h above is receivable by the executor, it is generally includible in the gross estate on this schedule to the extent that it is receivable by the executor in that

capacity. In general, the annuity is receivable by the executor if it is to be paid to the executor or if there is an agreement (expressed or implied) that it will be applied by the beneficiary for the benefit of the estate (such as in discharge of the estate's liability for death taxes or debts of the decedent, etc.) or that its distribution will be governed to any extent by the terms of the decedent's will or the laws of descent and distribution.

If data available to you does not indicate whether the pian satisfies the requirements of section 401(a), 403(a), 408(a), 408(b), or 408(a), you may obtain that information from the District Director of internal Revenue for the district where the employer's principal place of business is located.

Line A—Lump Sum Distribution Election

The election pertaining to the lump sum distribution from qualified plans (approved plans) excludes from the gross estate all or part of the lump sum distribution that would otherwise he includible. When the recipient makes the election to take a lump sum distribution and include it in his or her income tax, the amount excluded from the gross estate is the portion attributable to the employer contributions. The portion, if any attributable to the employee-decedent's contributions is always includible. The actual election is made by the recipient of the distribution by taking the lump sum distribution and by treating it as taxable on his or her income tax return as described in Regulations section 20,2039-4(d). The election is irrevocable. However, you may not compute the gross estate in accordance with this election unless you check "Yes"

How To Complete the Schedule

to line A and attach the name, address

the lump sum distributions. See

Regulations section 20 2039-4

and identifying number of the recipients of

In describing an annuity, give the name and address of the grantor of the annuity. Specify if the annuity is under an approved plan. If it is under an approved plan, you must state the ratio of the decedent's contribution to the total purchase price of the annuity. If the decedent was employed at the time of death and an annuity as described in paragraph 4 of Annuity Defined, on page 13, became payable to any beneficiary because the beneficiary survived the decedent, you must state the ratio of the decedent's contribution to the total purchase price of the annuity. If an annuity under an individual retirement account or annuity became payable to any beneficiary because that beneficiary survived the decedent and is pavable to the beneficiary for life or for at least 36 months following the decedent's death. you must state the ratio of the amount paid for the individual retirement account or annuity that was not allowable as an income tax deduction under section 219 (other than a rollover contribution) to the total amount paid for the account or annuity. If the annuity is payable out of a Page 14

trust or other fund, the description should be sufficiently complete to fully identify it. If the annuity is payable for a term of years, include the duration of the term and the date on which it began, and if payable for the life of a person other than the decedent, include the date of birth of that person. If the annuity is wholly or partially excluded from the gross estate, enter the amount excluded under "Description" and explain how you computed the exclusion.

Instructions for Schedule J.—Funeral Expenses and Expenses Incurred in Administering Property Subject to Claims

See the reverse side of Schedule J on Form 706

Instructions for Schedule K.—Debts of the Decedent and Mortgages and Liens

You must complete and attach Schedule K if you claimed deductions on either item 12 or item 13 of Part 5. Recapitulation

Debts of the Decedent

List under "Debts of the Decedent" only valid debts the decedent owed at the time of death. List any indebtedness secured by a mortgage or other lien on property of the gross estate under the heading "Mortgages and Liens." If the amount of the debt is disputed or the subject of iltigation, deduct only the amount the estate concedes to be a valid claim. Enter the amount in contest in the column provided.

Generally, if the claim against the estate is based on a promise or agreement, the deduction is limited to the extent that the liability was contracted bona fide and for an adequate and full consideration in money or money's worth. However, any enforceable claim based on a promise or agreement of the decedent to make a contribution or gift (such as a pledge or a subscription) to or for the use of a charitable, public, religious, etc., organization is deductible to the extent that the deduction would be allowed as a bequest under the statute that applies.

Certain claims of a former spouse against the estate based on the relinquishment of marital rights are deductible on Schedule K. For these claims to be deductible, all of the following conditions must be met:

- The decedent and the decedent's spouse must have entered into a written agreement relative to their marital and property rights.
- The decedent and the spouse must have been divorced before the decedent's death and the divorce must have occurred within the 3-year period beginning on the date 1 year before the agreement was entered into, it is not required that the agreement be approved by the divorce decree.
- The property or interest transferred under the agreement must be transferred

to the decedent's spouse in settlement of the spouse's marital rights.

You may not deduct a claim made against the estate by a remainderman relating to section 2044 property. Section 2044 property is described in the instructions to line 6 of Part 4, General Information.

Include in this schedule notes unsecured by mortgage or other lien and give full details, including name of payee, face and unpaid balance, date and term of note, interest rate, and date to which interest was paid before death. Include the exact nature of the claim as well as the name of the creditor, if the claim is for services performed over a period of time, state the period covered by the claim. Example: Edison Electric Illuminating Co., for electric service during December 1992, \$150.

If the amount of the claim is the unpaid balance due on a contract for the purchase of any property included in the gross estate, indicate the schedule and item number where you reported the property. If the claim represents a joint and separate liability, give full facts and explain the financial responsibility of the co-obligor.

Property and Income Taxes.—The deduction for property taxes is limited to the taxes accrued before the date of the decedent's death. Federal taxes on income received during the decedent's lifetime are deductible, but taxes on income received after death are not deductible.

Keep all vouchers or original records for inspection by the Internal Revenue Service.

Allowable Death Taxes .-- If you elect to take a deduction under section 2053(d) rather than a credit under section 2011 or section 2014, the deduction is subject to the limitations described in section 2053(d) and its regulations. If you have difficulty figuring the deduction, you may request a computation of it. Send your request within a reasonable amount of time before the due date of the return to the Commissioner of Internal Revenue, Washington, DC 20224. Attach to your request a copy of the will and relevant documents, a statement showing the distribution of the estate under the decedent's will, and a computation of the state or foreign death tax showing the amount payable by

Mortgages and Liens

List under "Mortgages and Liens" only obligations secured by mortgages or other liens on property that you included in the gross estate at its full value or at a value that was undiminished by the amount of the mortgage or lien. If the debt is enforceable against other property of the estate not subject to the mortgage or lien, or if the decedent was personally liable for the debt, you must include the full value of the property subject to the mortgage or lien in the gross estate under the appropriate schedule and may deduct the mortgage or lien on the property on this schedule. However, if the decedent's estate is not liable, include in the gross estate only the value of the equity of

redemption (or the value of the property less the amount of the debt), and do not deduct any portion of the indebtedness on this schedule.

Notes and other obligations secured by the deposit of collateral, such as stocks, bonds, etc., also should be listed under "Mortgages and Liens."

Description

Include under the "Description" column the particular schedule and item number where the property subject to the mortgage or lien is reported in the gross estate.

Include the name and address of the mortgagee, payee, or obligee, and the date and term of the mortgage, note, or other agreement by which the debt was established. Also include the face amount, the unpaid balance, the rate of interest, and date to which the interest was paid before the decodent's death.

Instructions for Schedule L.—Net Losses During Administration and Expenses Incurred in Administering Property Not Subject to Claims

You must complete Schedule L and file it with the return if you claim deductions on either item 16 or item 17 of Part 5, Recapitulation.

Net Losses During Administration

You may deduct only those losses from thefts, fires, storms, shipwrecks, or other casualities that occurred during the settlement of the estate. You may deduct only the amount not reimbursed by insurance or otherwise.

Describe in detail the loss sustained and the cause. If you received insurance or other compensation for the loss, state the amount collected. Identify the property for which you are claiming the loss by indicating the particular schedule and item number where the property is included in the gross estate.

If you elect alternate valuation, do not deduct the amount by which you reduced the value of an item to include it in the gross estate.

Do not deduct losses claimed as a deduction on a Federal income tax return or depreciation in the value of securities or other property.

Expenses Incurred in Administering Property Not Subject to Claims

You may deduct expenses incurred in administering property that is included in the gross estate but that is not subject to claims. You may only deduct these expenses if they were paid before the section 6501 period of limitations for assessment expired.

The expenses deductible on the schedule are usually expenses incurred in the administration of a trust established by

the decedent before death. They may also be incurred in the collection of other assets or the transfer or clearance of title to other property included in the decedent's gross estate for estate tax purposes, but not included in the decedent's probate estate. The expenses deductible on this schedule are limited to those that are the result of settling the decedent's interest in the property or of vesting good title to the property in the beneficiaries. Expenses incurred on behalf of the transferees (except those described above) are not deductible. Examples of deductible and nondeductible expenses are provided in Regulations section 20.2053-8.

List the names and addresses of the persons to whom each expense was payable and the nature of the expense. Identify the property for which the expense was incurred by indicating the schedule and item number where the property is included in the gross estate. If you do not know the exact amount of the expense, you may deduct an estimate, provided that the amount may be verified with reasonable certainty and will be paid before the period of limitations for assessment (referred to above) expires. Keep all vouchers and receipts for inspection by the Internal Revenue Service.

Instructions for Schedule M.—Bequests, etc. to Surviving Spouse (Marital Deduction)

See pages 28 through 30 of Form 706 for these instructions.

Instructions for Schedule O.—Charitable, Public, and Similar Gifts and Bequests

General

You must complete Schedule O and file it with the return if you claim a deduction on item 19 of the Recapitulation.

You can claim the charitable deduction allowed under section 2055 for the value of property in the decedent's estate that was transferred by the decedent during life or by will to a charitable institution as explained in Pub. 448.

The deduction is limited to the amount actually available for charitable uses. Therefore, if under the terms of a will or the provisions of local law, or for any other reason, the Federal estate tax, the Federal GST tax, or any other estate, GST, succession, legacy, or inheritance tax is payable in whole or in part out of any bequest, legacy, or devise that would otherwise be allowed as a charitable deduction, the amount you may deduct is the amount of the bequest, legacy, or devise reduced by the total amount of the taxes.

For split-interest trusts (or pooled income funds) enter in the "Amount" column the amount treated as passing to

the charity. Do not enter the entire amount that passes to the trust (fund).

If you are deducting the value of the residue or a part of the residue passing to charity under the decedent's will, attach a copy of the computation showing how you determined the value, including any reduction for the taxes described above

Also include:

- 1. A statement that shows the values of all specific and general legacies or devises for both charitable and noncharitable uses. For each legacy or devise, indicate the paragraph or section of the decedent's will or codicil that applies. (If legacies are made to each member of a class (e.g., \$1,000 to each of the decedent's employees), show only the number of each class and the total value of property they received.)
- 2. The date of birth of all life tenants or annuitants, the length of whose lives may affect the value of the interest passing to charity under the decedent's will.
- 3. A statement showing the value of all property that is included in the decedent's gross estate but does not pass under the will, such as-transfers, jointly owned property that passed to the survivor on decedent's death, and insurance payable to specific beneficiaries.
- 4. Any other important information such as that relating to any claim, not arising under the will, to any part of the estate (e.g., a spouse claiming dower or curtesy, or similar rights).

Line 2

The charitable deduction is allowed for amounts that are transferred to charitable organizations as a result of a qualified disclaimer. To be a qualified disclaimer, a refusal to accept an interest in property must meet the conditions of section 2518. These are explained in Pub. 448 and Regulations sections 25.2518-1 through 25.2518-3. If property passes to a charitable beneficiary as the result of a qualified disclaimer, check the "Yes" box on line 2 and attach a copy of the written disclaimer required by section 2518(b).

Attachments

If the charitable transfer was made by will, attach a certified copy of the order attacht a certified copy of the order admitting the will to probate, in addition to the copy of the will. If the charitable transfer was made by any other written instrument, attach a copy. If the instrument is of record, the copy should be certified; if not, the copy should be verified.

Value

The valuation dates used in determining the value of the gross estate apply also on Schedule O.

Instructions for Schedule P.—Credit for Foreign Death Taxes

Genera

If you claim a credit on line 18 of Part 2, Tax Computation, you must complete Schedule P and file it with the return. You must attach Form(s) 706CE, Certificate of Payment of Foreign Death Tax, to support any credit you claim.

The credit for foreign death taxes is allowable only if the decedent was a citizen or resident of the United States. However, see section 2053(d) and the related regulations for exceptions and limitations if the executor has elected, in certain cases, to deduct these taxes from the value of the gross estate. For a resident, not a citizen, who was a citizen or subject of a foreign country for which the President has issued a proclamation under section 2014/h), the credit is allowable only if the country of which the decedent was a national allows a similar credit to decedents who were U.S. citizens residing in that country.

The credit is authorized either by statute or by treaty. If a credit is authorized by a treaty, whichever of the following is the most beneficial to the estate is allowed: (a) the credit computed under the treaty: (b) the credit computed under the statute: or (c) the credit computed under the treaty, plus the credit computed under the statute for death taxes paid to each political subdivision or possession of the treaty country that are not directly or indirectly creditable under the treaty. Under the statute, the credit is authorized for all death taxes (national and local) imposed in the foreign country. Whether local taxes are the basis for a credit under a treaty depends upon the provisions of the particular treaty.

If a credit for death taxes paid in more than one foreign country is allowable, a separate computation of the credit must be made for each foreign country. The copies of Schedule P on which the additional computations are made should be attached to the copy of Schedule P provided in the return.

The total credit allowable in respect to any property, whether subjected to tax by one or more than one foreign country, is limited to the amount of the Federal estate tax attributable to the properly. The anticipated amount of the credit may be computed on the return, but the credit cannot finally be allowed until the foreign tax has been paid and a Form 706CE evidencing payment is filed. Section 2014(g) provides that for credits for foreign death taxes, each U.S. possession is deemed a foreign country.

If a credit is claimed for any foreign death tax that is later recovered, see Regulations section 20.2016-1 for the notice required within 30 days.

Credit Under the Statute

For the credit allowed by the statute, the question of whether particular property is Page 16 situated in the foreign country imposing the tax is determined by the same principles that would apply in determining whether similar property of a nonresident not a U.S. citizen is situated within the United States for purposes of the Federal estate tax. See the instructions for Form 706NA.

Computation of Credit Under the Statute

Item 1.-Enter the amount of the estate, inheritance, legacy, and succession taxes paid to the foreign country and its possessions or political subdivisions. attributable to property that is (a) situated in that country, (b) subjected to these taxes, and (c) included in the gross estate. The amount entered at item 1 should not include any tax paid to the foreign country with respect to property not situated in that country and should not include any tax paid to the foreign country with respect to property not included in the gross estate. If only a part of the property subjected to foreign taxes is both situated in the foreign country and included in the gross estate, it will be necessary to determine the portion of the taxes attributable to that part of the property. Also attach the computation of the amount entered at item 1

Item 2.—Enter the value of the gross estate less the total of the deductions on items 18 and 19 of Part 5. Recapitulation.

Item 3.—Enter the value of the property situated in the foreign country that is subjected to the foreign taxes and included in the gross estate, less those portions of the deductions taken on Schedules M and O that are attributable to the property.

Item 4.—Subtract line 17, Part 2, Form 706 from line 16, Part 2, Form 706, and enter the balance at item 4 of Schedule P

Credit Under Treaties

If you are reporting any items on this return based on the provisions of a death tax treaty, you may have to attach a statement to this return disclosing the return position that is treaty based. See Regulations section 301.6114-1 for details.

In General.—If the provisions of a treaty apply to the estate of a U.S. citizen or resident, a credit is authorized for payment of the foreign death tax or taxes specified in the treaty. Death tax conventions are in effect with the following countries: Australia, Austria, Demmark, Germany, Finland, France, Greece, Ireland, Italy, Japan, Netherlands, Norway, Republic of South Africa, Sweden, Switzerland, and the United Kingdom.

A credit claimed under a treaty is in general computed on Schedule P in the same manner as the credit is computed under the statute with the following principal exceptions: (a) the situs rules contained in the treaty apply in determining whether property was situated in the foreign country; (b) the credit may be allowed only for payment of the death tax or taxes specified in the treaty (but see the instructions above for credit under the

statute for death taxes paid to each political subdivision or possession of the treaty country that are not directly or indirectly creditable under the treaty); (c) if specifically provided the credit is proportionately shared for the tay applicable to property situated outside both countries, or that was deemed in some instances situated within both countries: and (d) the amount entered at item 4 of Schedule P is the amount shown on line 16 of Part 2, Tax Computation, less the total of the amounts on lines 17 and 19 of the Tax Computation. (If a credit is claimed for tax on prior transfers, it will be necessary to complete Schedule O before completing Schedule P.) For examples of computation of credits under the treaties. see the applicable regulations.

Computation of Credit In Cases Where Property Is Situated Outside Both Countries or Deemed Situated Within Both Countries.—See the appropriate treaty for details.

Instructions for Schedule Q.—Credit for Tax on Prior Transfers

Ganara

You must complete Schedule Q and file it with the return if you claim a credit on line 19 of Part 2. Tax Computation.

The term "transferee" means the decedent for whose estate this return is filed. If the transferee received property from a transferor who died within 10 years before, or 2 years after, the transferee, a credit is allowable on this return for all or part of the Federal estate tax paid by the transferor's estate with respect to the transfer. There is no requirement that the property be identified in the estate of the transferee or that it exist on the date of the transferee's death. It is sufficient for the allowance of the credit that the transfer of the property was subjected to Federal estate tax in the estate of the transferor and that the specified period of time has not elapsed. A credit may be allowed with respect to property received as the result of the exercise or nonexercise of a power of appointment when the property is included in the gross estate of the donee of the power.

If the transferee was the transferor's surviving spouse, no credit is allowed for property received from the transferor to the extent that a marital deduction was allowed to the transferor's estate for the property. There is no credit for tax on prior transfers for Federal gift taxes paid in connection with the transfer of the property to the transferoe.

If you are claiming a credit for tax on prior transfers on Form 706NA, you should first complete and attach the Recapitulation from Form 706 before computing the credit on Schedule O from Form 708.

Section 2056(d)(3) contains specific rules for allowing a credit for certain transfers to a spouse who was not a U.S. citizen where

the property passed outright to the spouse, or to a "qualified domestic trust."

Property

The term "property" includes any interest (legal or equitable) of which the transferee received the beneficial ownership. The transferee is considered the beneficial owner of property over which the transferee received a general power of appointment. Property does not include interests to which the transferee received only a bare legal title, such as that of a trustee. Neither does it include an interest in property over which the transferee received a power of appointment that is not a general power of appointment. In addition to interests in which the transferee received the complete ownership, the credit may be allowed for annuities, life estates, terms for years, remainder interests (whether contingent or vested). and any other interest that is less than the complete ownership of the property, to the neficial owner of the interest.

Maximum Amount of the Credit

The maximum amount of the credit is the

- The amount of the estate tax of the transferor's estate attributable to the transferred property, or
- 2. The amount by which (a) an estate tax on the transferes's estate determined without the credit for tax on prior transfers, exceeds (b) an estate tax on the transferes's estate determined by excluding from the gross estate the net value of the transfer. If credit for a particular foreign death tax may be taken under either the statute or a death duty convention, and on this return the credit actually is taken under the convention, then no credit for that foreign death tax may be taken into consideration in computing estate tax (a) or estate tax (b).

Percent Allowable

Where Transferoe Predeceased the Transferor.—If not more than 2 years elapsed between the dates of death, the credit allowed is 100% of the maximum amount. If more than 2 years elapsed between the dates of death, no credit is allowed.

Where Transferor Predeceased the Transferoe.—The percent of the maximum amount that is allowed as a credit depends on the number of years that elapsed between dates of death, it is determined using the following table.

Period of Time Exceeding	Not Exceeding	Percent Allowable
	2 years	100
2 years	4 years	80
4 years	6 years	60
6 years	8 years	40
8 уваля	10 years	20
10 years		none

How To Compute the Credit

A worksheet is provided on the last page of these instructions to allow you to compute the limits before completing Schedule Q. Transfer the appropriate amounts from the worksheet to Schedule Q as indicated on the schedule. You do not need to file the worksheet with your Form 706, but should keep it for your records.

Cases twolving Transfers From Two or More Transferors.—Part I of the worksheet and Schedule Q enable you to compute the credit for as many as three transferors. The number of transferors is irrelevant to Part II of the worksheet. If you are computing the credit for more than three transferors, use more than one worksheet and Schedule Q, Part I, and combine the totals for the appropriate lines.

Section 2032A Additional Tax.—If the transferor's estate elected special use valuation and the additional estate tax of section 2032A(c) was imposed at any time up to 2 years after the death of the decedent for whom you are filing this return, check the box on Schedule O. On lines 1 and 9 of the worksheet, include the properly subject to the additional estate tax at its fair market value rather than its special use value. On line 10 of the worksheet, include the additional estate tax paid as a Federal estate tax paid as

How To Complete the Worksheet

Most of the information to complete Part I of the worksheet should be obtained from the transferor's Form 706.

Line 5.—Enter on line 5 the applicable marital deduction claimed for the transferor's estate (from the transferor's Form 706)

Lines 10-18.—Enter on these lines the appropriate taxes paid by the transferor's estate

If the transferor's estate elected to pay the Federal estate tax in installments, enter on line 10 only the total of the installments that have actually been paid at the time you file this Form 706. See Rev. Rul. 83-15, 1983-1 C.B. 224, for more details. Do not include as estate tax any tax attributable to section 4980A

Line 21.—Add lines 13, 15, 17, and 18 of Part 2, Tax Computation, of this Form 706 and subtract this total from line 10 of the Tax Computation. Enter the result on line 21 of the worksheet

Line 26.—If you computed the marital deduction on this Form 706 using the rules that were in effect before the Economic Recovery Tax Act of 1981 (as described in the instructions to line 14 of Part 4 of General Information), enter on line 26 the lesser of: the marital deduction you claimed on line 18 of Part 5 of the Recapitulation; or 50% of the "reduced adjusted gross estate." If you computed the marital deduction using the unlimited marital deduction in effect for decedents dying after 1981, for purposes of determining the marital deduction for the reduced gross estate, see Rev. Rul. 90-2,

1990-1 C.B. 170. To determine the "reduced adjusted gross estate," subtract the amount on line 25 of the Schedule Q worksheet from the amount on line 24 of the worksheet, if community property is included in the amount on line 24 of the worksheet, compute the reduced adjusted gross estate using the rules of Regulations section 20.2058(c)-2 and Rev. Rul. 76-311, 1976-2 C.B. 261.

Instructions for Schedules R and R-1.— Generation-Skipping Transfer Tax

Introduction and Overview

Schedule R is used to compute the generation-skipping transfer (GST) tax that is payable by the estate. Schedule R-1 (Form 706) is used to compute the GST tax that is payable by certain trusts that are includible in the gross estate.

The GST tax that is to be reported on Form 706 is imposed only on "direct skips occurring at death." Unlike the estate tax, which is imposed on the value of the entire taxable estate regardless of whom it is distributed to, the GST tax is imposed only on the value of interests in property, wherever located, that actually pass to certain transferees, who are referred to as "skip persons."

For purposes of Form 706, the property interests transferred must be includible in the gross estate before they are subject to the GST tax. Therefore, the first step in computing the GST tax liability is to determine the property interests includible in the gross estate by completing Schedules A-I of Form 706.

The second step is to determine who the "skip persons" are. To do this, assign each transferee to a generation and determine whether each transferee is a "natural person" or a "trust" for GST purposes.

The third step is to determine which skip persons are transferees of "interests in property." If the skip person is a "natural person," anything transferred is an "interest in property." If the skip person is a "trust," make this determination using the rules under Interest in Property, on page 18. These first three steps are described in detail under the heading Determining Which Transfers Are Direct Skips.

The fourth step is to determine whether to enter the transfer on Schedule R or on Schedule R-1. See the rules under the heading Dividing Direct Skips Between Schedules R and R-1.

The fifth step is to complete Schedules R and R-1 using the How To Complete instructions on page 19 for each schedule

Determining Which Transfers Are Direct Skips

Effective Dates.—The rules below apply only for the purpose of determining if a transfer is a direct skip that should be reported on Schedule R or R-1 of Form

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In General.—The GST tax is effective for the estates of decedents dying after October 22, 1986.

Wills and revocable trusts.—For the estates of decedents dying before January 1, 1987, the GST tax will not apply to transfers under wills and revocable trusts executed before October 22, 1986.

Irrevocable trusts.—The GST tax will not apply to any transfer under a trust that was irrevocable on September 25, 1985, but only to the extent that the transfer was not made out of corpus added to the trust after September 25, 1985. An addition to the corpus after that date will cause a proportionate part of future income and appreciation to be subject to the GST tax. For more information, see Temporary Requiations section 26.2601-1 (b)(1)(ii).

Mental disability—If the decedent was, on clotber 22, 1986, under a mental disability to change the disposition of his or her property and did not regain the competence to dispose of property before death, the GST tax will not apply to any property included in the gross estate (other than property transferred on behalf of the decedent during life and after October 21, 1986). The GST tax will also not apply to any transfer under a trust to the extent that the trust consists of property included in the gross estate (other than property transferred on behalf of the decedent during life and after October 21, 1986).

The term "mental disability" means the decedent's mental incompetence to execute an instrument governing the disposition of his or her property, whether or not there has been an adjudication of incompetence and whether or not there has been an appointment of any other person charged with the care of the person or property of the transferra

If the decedent had been adjudged mentally incompetent, a copy of the judgment or decree must be filed with this

If the decedent had not been adjudged mentally incompetent, the executor must file with the return a certification from a qualified physician stating that in his opinion the decedent had been mentally incompetent at all times on and after October 22, 1986, and that the decedent had not regained the competence to modify or revoke the terms of the trust or will prior to his death or a statement as to why no such certification may be obtained from a physician.

Direct Skip.—The GST tax reported on Form 706 and Schedule R-1 (Form 706) is imposed only on direct skips. For purposes of Form 706, a direct skip is a transfer that is; (1) subject to the estate tax, (2) of an interest in property, and (3) to a skip person. All three requirements must be met before the transfer is "subject to the GST tax. A transfer is "subject to the estate tax" if you are required to list to nay of Schedules A-1 of Form 706. To determine it a transfer is of an "interest in property" and to a "skip person," you must first determine if the transferee is a "natural person" or a "trust" as defined below.

Trust:—For purposes of the GST tax, a 'trust' includes not only an explicit trust (as defined in Special Rule for Trusts Other than Explicit Trusts on page 19), but also any other arrangement (other than an estate) which, although not explicitly a trust, has substantially the same effect as a trust. For example, "trust" includes tife estates with remainders, terms for years, and insurance and arinuity contracts.

Substantially separate and independent shares of different beneficiaries in a trust are treated as separate trusts.

Interest in Property.—If a transfer is made to a "natural person," it is always considered a transfer of an interest in property for purposes of the GST tax.

If a transfer is made to a "trust," a person will have an interest in the property transferred to the trust if that person either has a present right to receive income or corpus from the trust (such as an income interest for life) or is a permissible current recipient of income or corpus from the trust (e.g., may receive income or corpus at the discretion of the trustee).

Skip Person.—A transferee who is a "natural person" is a "skip person" if that transferee is assigned to a generation that is two or more generations below the generation assignment of the decedent. See Determining the Generation of a Transferee, below.

A transferee who is a "trust" is a "skip person" if all the "interests in the property (as defined above) transferred to the trust are held by skip persons. Trus, whenever a non-skip person has an interest in a trust, the trust will not be a skip person even though a skip person also has an interest in the trust.

A trust will also be a "skip person" if there are no "intreests in the property" transferred to the trust held by any person, and future distributions or terminations from the trust can be made only to skip persons.

Non-Skip Person.—A non-skip person is any transferee who is not a skip person.

Determining the Generation of a Transferee.—Generally, a generation is determined along family lines as follows:

Where the beneficiary is a lineal descendant of a grandparent of the decedent (for example, the decedent's cousin, niece, nephew, etc.), the number of generations between the decedent and the beneficiary is determined by subtracting the number of generations between the grandparent and the decedent from the number of generations between the grandparent and the beneficiary.

2. Where the beneficiary is a lineal descendant of a grandparent of a spouse (or former spouse) of the decedent, the number of generations between the decedent and the beneficiary is determined by subtracting the number of generations between the grandparent and the spouse (or former spouse) from the number of generations between the grandparent and the beneficiary.

3. A person who at any time was married to a person described in 1 or 2

above is assigned to the generation of that person. A person who at any time was married to the decedent is assigned to the decedent's generation.

- A relationship by adoption or half-blood is treated as a relationship by whole-blood.
- 5. A person who is not assigned to a generation according to 1, 2, 3, or 4 above is assigned to a generation based on his or her birth date, as follows:
- a. A person who was born not more than 12½ years after the decedent is in the decedent's generation.
- b. A person born more than 12½ years, but not more than 37½ years, after the decedent is in the first generation younger than the decedent.
- c. A similar rule applies for a new generation every 25 years.
- If more than one of the rules for assigning generations applies to a transferee, that transferee is generally assigned to the youngest of the generations that would apply.

If an estate, trust, partnership, corporation, or other entity (other than certain charitable organizations and trusts described in sections 511(a)(2) and 511(b)(2) is a transferee, then each person who indirectly receives the property interests through the entity is treated as a transferee and is assigned to a generation as explained in the above rules. However, this look-thru rule does not apply for the purpose of determining whether a transfer to a trust is a direct skip.

Generation Assignment Where Intervening Parent is Dead.—If property is transferred to the decedent's grandchild, and at the date of death, the grandchild's parent (who is the decedent's or the decedent's spouse's child) is dead, then for purposes of generation assignment the grandchild will be considered to be the decedent's child rather than the decedent's grandchild. Thus, the transfer of the property will not be a direct skip. The grandchild's children will be treated as the decedent's grandchildren rather than the decedent's grandchildren rather than the decedent's grandchildren.

This rule is also applied to the level of grandchild. For example, if the decedent's prandchild is dead, the decedent's grandchild is dead, the decedent's great-grandchildren who are lineal descendants of the dead grandchild are considered the decedent's grandchildren for purposes of the GST tax.

If any transfer of property to a trust would have been a direct skip except for this generation assignment rule, then the rule also applies to transfers from the trust attributable to such property.

Charitable Organizations.—Charitable organizations and trusts described in sections 511(a)(2) and 511(b)(2) are assigned to the decedent's generation. Transfers to such organizations are therefore not subject to the GST tax.

Charitable Remainder Trusts.—Transfers to

or in the form of charitable remainder

annuity trusts, charitable remainder unitrusts, and pooled income funds are not considered made to skip persons and therefore, are not direct skips even if all of the life beneficiaries are skip persons.

Estate Tax Value.—Estate tax value is the value shown on Schedules A-I of this Form 706; --;

Examples.—The rules above can be illustrated by the following examples:

Example 1.—Under the will, the decedent's house is transferred to the decedent's daughter for her life with the remainder passing to her children. This transfer is made to a "trust" even though there is no explicit trust instrument. The interest in the property transferred (the present right to use the house) is transferred to a nonskip person (the decedent's daughter). Therefore, the trust is not a skip person because there is an interest in the transferred property that is held by a nonskip person. The transfer is not a direct skip.

Example 2.—The will bequeaths \$100,000 to the decedent's grandchild. This transfer is a direct skip that is not made in trust and should be shown on Schedule R.

Example 3.-The will establishes a trust that is required to accumulate income for 10 years and then pay its income to the decedent's grandchildren for the rest of their lives and, upon their deaths, distribute the corous to the decedent's great-grandchildren. Because the trust has no current beneficiaries, there are no present interests in the property transferred to the trust. All of the persons to whom the trust can make future distributions (including distributions upon the termination of interests in property held in trust) are skip persons (i.e., the decedent's grandchildren and great-grandchildren). Therefore, the trust itself is a skip person and you should show the transfer on Schedule R.

Example 4.—The will establishes a trust that is to pay all of its income to the decedent's grandchildren for 10 years. At the end of 10 years, the corpus is to be distributed to the decedent's children. All of the interests in this trust are held by skip persons. Therefore, the trust is a skip person and you should show this transfer on Schedule R. You should show the estate tax value of all the property transferred to the trust even though the trust has some ultimate beneficiaries who are nonskip persons.

Dividing Direct Skips Between Schedules R and R-1

Report all generation-skipping transfers on Schedule R unless the rules below specifically provide that they are to be reported on Schedule R-1.

Under section 2603(a)(2), the GST tax on direct skips from a trust (as defined for GST tax purposes on page 18) is to be paid by the trustee and not by the estate. Schedule F-1 serves as a notification from the executor to the trustee that a GST tax is due.

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For a direct skip to be reportable on Schedule R-1, the trust must be includible in the decedent's gross estate.

If the decedent was the surviving spouse life beneficiary of a marital deduction power of appointment (or QTIP) trust created by the decedent's spouse, then transfers caused by reason of the decedent's death from that trust to skip persons are direct skips required to be reported on Schedule R-1.

If a direct skip is made "from a trust" under these rules, it is reportable on Schedule R-1 even if it is also made "to a trust" rather than to an individual.

Similarly, if property in a trust (as defined for GST tax purposes on page 18) is included in the decedent's gross estate under section 2035, 2036, 2037, 2038, 2039, 2041, or 2042 and such property is by reason of the decedent's death, transferred to skip persons, the transfers are direct skips required to be reported on Schedule R-1.

Special Rule For Trusts Other Than Explicit Trusts. An explicit trust is a trust as defined in Regulations section 301.7701-4(a) as "an arrangement created by a will or by an inter vivos declaration whereby trustees take title to property for the purpose of protecting or conserving for the beneficiaries under the ordinary rules applied in chancery or probate courts." Direct skips from explicit trusts are required to be reported on Schedule R-1 regardless of their size unless the executor is also a trustee (see below).

Direct skips from trusts that are trusts for GST tax purposes but are not explicit rusts are to be shown on Schedule R-1 only if the total of all tentative maximum infect skips from the entity is more than \$100,000. If this total is \$100,000 or less, the skips should be shown on Schedule R. For purposes of the \$100,000 limit, "tentative maximum direct skips" is the amount you would enter on line 5 of Schedule R-1 if you were to file that schedule.

A liquidating trust (such as a bankruptcy trust) under Regulations section 301.7701-4(d) is not treated as an explicit trust for the purposes of this special rule.

If the proceeds of a life insurance policy are includible in the gross estate and are payable to a beneficiary who is a skip person, the transfer is a direct skip from a trust that is not an explicit trust. It should be reported on Schedule R-1 if the total of all the tentative maximum direct skips from the company is more than \$100,000. Otherwise, it should be reported on Schedule R.

Similarly, if an annuity is includible on Schedule I and its survivor benefits are payable to a beneficiary who is a skip person, then the estate tax value of the annuity should be reported as a direct skip on Schedule R-1 if the total tentative maximum direct skips from the entity paying the annuity is more than \$100,000. Executor as Trustee.—If any of the executors of the decedent's estate are

trustees of the trust, then all direct skips

with respect to that trust must be shown on Schedule R1 and not on Schedule R1 even if they would otherwise have been required to be shown on Schedule R-1. This rule applies even if the trust has other trustees who are not executors of the decodent's estate.

How To Complete Schedules R and R-1

Valuation.—Enter on Schedules R and R-1 the estate tax value of the property interests subject to the direct skips. If you elected alternate valuation (section 2032) and/or special use valuation (section 2032A), you must use the alternate and/or special values on Schedules R and R-1.

How To Complete Schedule R

Part 1- ine 6 of both Parts 2 and 3, and line 4 of Schedule R-1 are used to allocate the decedent's \$1 million GST exemption. This allocation is made by filing Form 706. Once made, the allocation is inevocable: You are not required to allocate all of the decedent's GST exemption. However, the portion of the exemption that you do not allocate will be allocated by IRS under the deemed allocation at death rules of section 2632(c).

Special OTIP election.—In the case of property for which a marital deduction is allowed to the decedent's estate under section 2056(b)/7 (OTIP election), section 2652(a)(3) allows you to treat such property for purposes of the GST tax as if the election to be treated as qualified terminable interest property had not been

The 2652(a)(3) election must include the value of all property in the trust for which a OTIP election was allowed under section 2056(b)(7).

If a section 2652(a)(3) election is made. then the decedent will for GST tax purposes be treated as the transferor of all the property in the trust for which a marital deduction was allowed to the decedent's estate under section 2056(b)(7). In this case, the executor of the decedent's estate may allocate part or all of the decedent's GST exemption to the property. Line 2 - These allocations will have been made either on Forms 709 filed by the decedent or on Notices of Allocation made by the decedent for inter vivos transfers that were not direct skips but to which the decedent allocated the GST exemption. These allocations by the decedent are irrevocable

Line 3.—Make an entry on this line if you are filing Form(s) 709 for the decedent and wish to allocate any exemption.

Lines 4, 5, and 6.—These lines represent your allocation of the GST exemption to direct skips made by reason of the decedent's death. Complete Parts 2 and 3 and Schedule R-1 before completing these lines.

Line 9.—Line 9 is used to allocate the remaining unused GST exemption (from line 8) and to help you compute the trust's inclusion ratio. Line 9 is a Notice of

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Allocation for allocating the GST exemption to trusts as to which the decedent is the transferor and from which a generation-skipping transfer could occur after the decedent's death. If line 9 is not completed, the deemed allocation at death rules will apply to allocate the decedent's remaining unused GST exemption first to property that is the subject of a direct skip occurring at the decedent's death, and then to trusts as to which the decedent is the transferor. If you wish to avoid the application of the deemed allocation rules. you should enter on line 9 every trust (except certain trusts entered on Schedule R-1, as described below) to which you wish to allocate any part of the decedent's GST exemption. Unless you enter a trust on line 9, the unused GST exemption will be allocated to it under the deemed allocation rules.

If a trust is entered on Schedule R-1, the amount you entered on line 4 of Schedule R-1 serves as a Notice of Allocation and you need not enter the trust on line 9 unless you wish to allocate more than the Schedule R-1, line 4 amount to the trust. However, you must enter the trust on line 9 if you wish to allocate any of the unused GST exemption amount to it. Such an additional allocation would not ordinarily be appropriate in the case of a trust entered on Schedule R-1 when the trust property passes outright (rather than to another trust) at the decedent's death. However, where section 2032A property is involved it may be appropriate to allocate additional exemption amounts to the property. See the instructions for line 10.

Note: To avoid application of the deemed allocation rules, Form 705 and Schedule R should be filed to allocate the exemption to trusts that may later have taxable terminations or distributions under section 2612 even if the form is not required to be filed to report estate or GST tax.

Line 9, Column C.—Enter the GST exemption included on lines 2–6, above, that was allocated to the trust.

Line 9. Column D -The line 8 amount is to be allocated in column D of line 9. This amount may be allocated to transfers into trusts that are not otherwise reported on Form 706. For example, the line 8 amount may be allocated to an inter vivos trust established by the decedent during his or her lifetime and not included in the gross estate. This allocation is made by identifying the trust on line 9 and making an allocation to it using column D. If the trust is not included in the gross estate. value the trust as of the date of death. You should inform the trustee of each trust listed on line 9 of the total GST exemption you allocated to the trust. The trustee will need this information to compute the GST tax on future distributions and terminations.

Line 9. Column E.—Trust's Inclusion Ratio.—The trustee must know the trust's inclusion ratio to figure the trust's GST tax for future distributions and terminations. You are not required to inform the trustee of the inclusion ratio and may not have enough information to compute it. Therefore, you are not required to make an Page 20 entry in column E. However, column E and the worksheet below are provided to assist you in computing the inclusion ratio for the trustee if you wish to do so.

You should inform the trustee of the amount of the GST exemption you allocated to the trust. Line 9, columns C and D may be used to compute this amount for each trust.

This worksheet will compute an accurate inclusion ratio only if the decedent was the only settlor of the trust. You should use a separate worksheet for each trust (or separate share of a trust that is treated as a separate trust).

 Total estate and gift tax value of all of the property interests that passed to the trust.
 Estate taxes, state death taxes, and

- skip persons other than this trust and borne by the property transferred to this trust GST taxes actually recovered from this trust from Schedule R. Part 2, line 8
- or Schedule R-1, line 6)

9 Trust's inclusion ratio. Subtract line 8 from 1.000

Line 10.—Special Use Allocation.—For skip persons who receive an interest in section 2032A special use property, you may allocate more GST exemption than the direct skip amount to reduce the additional GST tax that would be due when the interest is later disposed of or qualified use ceases. See Schedule A-1 of this Form 708 for more details about this additional GST tax.

Enter on line 10 the total additional GST exemption you are allocating to all skip persons who received any interest in section 2023A property. Attach a special use allocation schedule listing each such skip person and the amount of the GST exemption allocated to that person.

If you do not allocate the GST exemption, it will be automatically allocated under the deemed allocation at death rules. To the extent any amount is not so allocated it will be automatically allocated (under regulations to be published) to the earliest disposition or cessation that is subject to the GST tax. Under certain circumstances, post-death events may cause the decedent to be treated as a transferor for purposes of Chanter 13.

Line 10 may be used to set aside an exemption amount for such an event. You must attach a schedule listing each such event and the amount of exemption allocated to that event.

Parts 2 and 3.—Part 2 is used to compute the GST tax on transfers in which the property interests transferred are to bear the GST tax on the transfers. Part 3 is to be used to report the GST tax on transfers in which the property interests transferred do not bear the GST tax on the transfers.

Section 2603(b) requires that unless the governing instrument provides otherwise, the GST tax is to be charged to the property constituting the transfer. Therefore, you will usually enter all of the direct skips on Part 2.

You may enter a transfer on Part 3 only if the will or trust instrument directs, by specific reference, that the GST tax is not to be paid from the transferred property interests.

Part 2—Line 3.—Enter -0- on this line' unless the will or trust instrument specifies that the GST taxes will be paid by property other than that constituting the transfer (as described above). Enter on line 3 the total of the GST taxes shown on Part 3 and Schedule(s) R-1 that are payable out of the property interests shown on Part 2. [ine 1.

Part 2—Line 6.—Do not enter more than the amount on line 5. Additional allocations may be made using Part 1.

Part 3.—Line 3.—See the instructions to Part 2, line 3, above. Enter only the total of the GST taxes shown on Schedule(s) R-1 that are payable out of the property interests shown on Part 3, line 1.

Part 3—Line 6.—See the instructions to Part 2, line 6, above.

How To Complete Schedule R-1

Filing Due Date.—Enter the due date of Schedule R, Form 708. You must send the copies of Schedule R-1 to the fiduciary by this date.

Line 4.—Do not enter more than the amount on line 3. If you wish to allocate an additional GST exemption, you must use Schedule R, Part 1. Making an entry in line 4 constitutes a Notice of Allocation of the decedent's GST exemption to the trust.

the total additional GST e allocating to all skip ived any interest in operty. Attach a special in 6 by 50% (.50).

Signature.—The executor(s) must sign Schedule R-1 in the same manner as Form 706. See Signature and Verification on page 2.

Filing Schedule R-1.—Attach one copy of each Schedule R-1 that you prepare to Form 708. Send two copies of each Schedule R-1 to the fiduciary.

Instructions for Schedule S.—Increased Estate Tax on Excess Retirement Accumulations

The executor uses Schedule S to figure the increased estate tax imposed by section 4880A(d) on excess accumulations in qualified employer plans (plans) and individual eriement plans (iPAs). Schedule S may be filed only as an attachment to Form 7/8

Which Estates Must File

All estates must file Schedule S if the estate has any excess accumulation (as calculated on line 16 of the Tax

Computation of Schedule S). Schedule S must be filed regardless of the size of the gross estate and regardless of whether the estate is otherwise required to file Form 706.

The section 4980A(d) tax also applies to the estates of norvesident alien decedents whether or not they are otherwise required to file Form 706NA. In these instructions, references to Form 706 should be construed as references to Form 706N after decedent was a norresident alien.

When To File

Schedule S is considered an integral part of Form 706 and you must file it with the estate's Form 706. Therefore, the due date is determined by the due date, with extensions, of the estate's Form 706.

Where To File

Schedule S must be attached to and filed with the Form 706.

Paying the Tax

The increased estate tax shown on Schedule S is due at the same time as the estate tax (if any) shown on the Form 706.

You may not make a section 6166 or 6163 election to defer the payment of the increased estate tax.

Part I.—Tax Computation

Line 1.—Spousal Election.—Section 4980A(d)(5) provides that if a surviving spouse is the beneficiary of all of the decedent's retirement accumulations (subject to a de minimis exception), then the spouse may elect not to have the excess accumulation rules apply to the decedent but to have section 4980A apply to such interests and any distributions attributable to such interests as if they were the surviving spouse's.

To make the election, the spouse must attach a statement to the decedent's Form 706. The statement must be signed by the spouse and must indicate clearly that the spouse is making the election provided for in section 498040(5).

If the spouse makes the election, check the box on line 1 and complete lines 2-12 of Part I, Schedule S.

Line 2.—List each plan and IRA in which the decederth had any interest at the time of death. If you need more space, list the additional plans and IRAs on an attached sheet. Also list any plans in which the decedert was an alternate payee if payments to the decedert would have been includible in the decedent's gross income under a qualified domestic relations order within the meaning of section 414(p).

if an IRA does not have an EIN, enter "None" in the EIN column.

Rollover IRAs.—If the decedent was a surviving spouse who rolled over a distribution from a plan or IRA of the predeceased spouse into an IRA established in the surviving spouse's own name, do not list the IRA on line 2 unless contributions or transfers other than the rollover amount were made to the IRA. If such other contributions or transfers were made, then you must list the IRA on line 2 and include the entire value of the decedent's interest in the IRA on line 3.

If the decedent was a surviving spouse who elected to treat an inherited IRA (described in section 408(d)(3)(C)(ii)) as his or her own IRA and made no further contributions to it, do not list the IRA on line 2.

line 2.

If the decedent (whether or not a surviving spouse) elected to treat an IRA as subject to the distribution requirements of section 408(a)(6) (before its amendment by section 521(b) of the Tax Reform Act of 1984), under Regulations section 1.408-2(b)(7)(ii), do not list the IRA on line 2 if it meets those distribution requirements. Lines 3-10.—Consolidate all of the decedent's IRAs in column D. If there are more than three plans, compute their value on an attached sheet following the same format as lines 3-10.

Line 3.—Yalue of Decedent's Interest.—

Line 3.—Value of Decedent's Interest.—
Value the decedent's interest in the plan or IRA using the estate tax valuation rules, including the alternate valuation election under section 2032. See page 3 for details on making this election. Do not reduce this value by any of the credits, deductions, exclusions, etc., that otherwise apply for estate tax purposes. Do not apply community property rules to reduce the value of the decedent's interest.

You should include in the value all amounts payable to beneficiaries of the decedent under the plan or IRA (including amounts payable to a surviving spouse under a qualified joint and survivor annuity or qualified preretirement survivor annuity), whether or not these amounts are otherwise included in valuing the decedent's gross estate.

Exclude from the value the excess (if any) of interests payable immediately after death over the value of the same interests immediately before death.

Line 4.—Post-Death Rollovers.—Enter on this line any amounts that: (1) were distributed from the plan or account within 60 days before the decedent's death, and (2) were rolled over into an IRA after the date of death and within 60 days after the distribution. Value the rolled over amounts as of the date they were received by the

Line 6.—Alternate Payees.—Enter on this line the amount of any portion of the decedent's interest in the plan that is payable to an alternate payee and is included in the payee's gross income under a qualified domestic relations order (within the meaning of section 414(p)).

Line 8.—Excess Life insurance
Amounts.—If the plan held a life insurance
policy on the decedent's life, enter here
the amount excludable from the
beneficiary's income under section 101(a).
This is the amount by which the death

benefit payable under the policy exceeds the cash surrender value of the policy immediately before the decedent's death. Do not enter on this line amounts that are excludable from gross income under section 101(b) (employee death benefits).

Line 9.—Decedent's Interest as a Beneficiary.—Enter on this line the amount of the decedent's interest in a plan or IRA by reason of the death of another individual.

Do not enter on this line any plans or IRAs that are reported on line 2 of Part I as a result of the decedent having made a spousal election under section 4980A(d)(5).

Line 17.—Increased Estate Tax.—The tax shown on line 17 may not be reduced or offset by any of the estate tax credits. Enter the line 17 amount on line 23 of the Tax Computation on page 1 of Form 706. (If you are filing Schedule S with Form 706NA, enter the line 17 amount on line 16 of the Tax Computation of Form 706NA.)

Part II.—Grandfather Election

Line 1.—If you checked "Yes," attach the Form 5329, Return for Additional Taxes Attributable to Qualified Returement Plans (Including IRAs), Annuities, and Modified Endowment Contracts, on which the election was made.

Line 2.—Initial Grandfather Amount.—If you checked "Yes" on line 1, enter the initial grandfather amount shown on the Form 5329 on which the grandfather election was made.

Line 3.—Previously Recovered Amounts.—Enter the total of the amounts treated as recoveries of the grandfather amount from previously filed Forms 5329.

Part III.—Computation of Hypothetical Life Annuity

Line 1.—Decedent's Attained Age.— Enter the decedent's attained age in whole years on the date of death. For example, if the decedent was 60 years and 11 months old on the date of death, enter "60" on line

Line 2.—Annual Annuity Amount.—If you did not check "Yes" to line 1 of Part II, enter the greater of \$150,000 or \$112,500 indexed for inflation as described in Temp. Regs. section 54.4981A-17(a-9).

If you checked "Yes" to line 1 of Part II, enter \$112,500 indexed for inflation as described in Temp. Regs. section 54,4981A-1T(a-9).

Line 3.—Present Value Multipliers.— Section 5031 of the Technical and Miscellaneous Revenue Act of 1988 required the IRS to issue new present value tables using revised mortality figures. Also, to determine the present value multiplier under the new procedure, you must use an interest rate that is revised monthly. The IRS will announce the applicable rate in a news release and will publish it in a revenue ruling in the Internal Revenue Bulletin. The IRS has published new present value tables for some interest rates in Notice 89-60, 1989-1 C.B. 700. The complete tables have been printed in Pub. 1457, Actuarial Values—Alpha Volume,

which can be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

To calculate the present value of an annuity if the tables are not available, and for additional information on the new rules, see Notice 89-60 as noted above, and Notice 89-24, 1989-1 C.B. 660.

Worksheet for Schedule Q—Credit for Tax on Prior Transfere	Pansfarry from Schools on Total for all transferry																		T.									Amount	Computation page 1 Form 776	the second of th	n line 22).	Charitable deductions) (items 15.		Form 706) (see instructions).	s 3, Form 706)	16 25) X line 27)	25.50	(82.0)	India line 24)	3.00								m line 32)	m line 33)	ine 21).
Worksheet for	the state of the state of prior transfers	1. Gross value of prior transfer to this transferee	2. Death taxes payable from prior transfer	3. Encumbrances altocable to prior transfer	 Obligations allocable to prior transfer 	5. Marital deduction applicable to line 1 above,	as shown on transferor's Form 706	C. Total (Add lines 2, 3, 4, and 5)	7. Net value of transfere (Subtract line 6	from tine 1).	B. Net value of transfers (Add columns A.	B, and C of line 7)	9. Transferor's taxable estate	10. Federal estate tax paid	11. State death taxes paid	Common taxes paid	outer ocean taxes paid	14. Total taxes paid (Add:lines 10, 11, 12, and 13)	15. Value of transferor's estate (Subtract	line 14 from line 9)	16. Net Federal estate tax paid on	7. Credit for city tax paid on transformule action.	18. Credit afformed transferror action to	O Tours General Grand Grandellin	19. Tax on transferor's estate (Add lines 16, 17, and 18).	20. Transferor's tax on prior transfers (Line 7+	Part III Transferee's tax on prior transfers	21. Transferee's actual tax before allowance of credit for page		.,		25. Total debts and deductions (not including marrial and charitable deductions) (frems 15.	28. Marital decherion from ton 10.	27. Charitable bennests from tem 19 pour 19 pour 1906 (see in	28. Charitable deduction composition (1 line 22. Apr. 22.	Reduced charitable declarition (subtract line 29 for 12 for 25)	Transferee's deduction as adjusted (and lines 25, 25, and 20)	(a) Transferee's reduced taxable estate (surferent line 20 4-11-11-11-11-11-11-11-11-11-11-11-11-11	(b) Adjusted taxable gifts	(c) Total reduced taxable estate (add lines 31(a) and	Tentative tax on reduced taxable estate	(a) Post-1976 gift taxes paid	(b) Unified creeds	and demonstrate the second sec	(c) Section 2011 state death tax credit	(c) Section 2011 state death tax credit (d) Section 2012 gift tax credit	(c) Section 2011 state death tax credit (d) Section 2013 gift ax credit (e) Section 2014 foreign death tax credit		(c) Section 2011 state death tax credit (d) Section 2011 state death tax credit (d) Section 2014 foreign death tax credit (f) Total credits (and lines 33(a) through 33(a)) Net ax on reduced taxable estate (subtract line 33(f) from line 3 Transferre's tax on prior transfers (subtract line 34 from line 21) Covernment Petron (these 190)	(c) Section 2011 state death tax credit (d) Section 2012 gift tax credit (e) Section 2012 gift tax credit (e) Section 2014 foreign death tax credit (f) Total credit sect fires 33(g) foreign tax credit (g) Total credit sec

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S0i Projects and Contacts

Project	Primary Analysts	Frequency and Program Content
Americans Living Abroad: 1991 Program	Melissa Redmiles	This periodic study is conducted every 4 years (every 5 years, after 1991). It covers foreign income and taxes paid, and foreign tax credit shown on individual income tax returns. Data are by size of adjusted gross income and country.
Corporation Foreign Tax Credit: 1991 Program 1992 Program 1993 Program	Kimberly Veletto Bill States	This annual study provides data on foreign income and taxes paid and foreign tax credit reported on corporation income tax returns. Data are classified by industry (all years) and country (even numbered years).
Corporation Income Tax Returns: 1991 Program 1992 Program 1993 Program	Patrice Treubert Allison Clark Janice Washington Jonathan Shook Ellen Legel Victor Rehula	Basic data are produced annually and cover complete income statement, balance sheet, tax and tax credits, and detail from supporting schedules. Data are classified chiefly by industry group or asset size. (Beginning with the 1992 program, S Corporations are a separate study.)
Environmental Excise Taxes (Superfund) Study: 1992 Program 1993 Program	Sara Boroshok	The Superfund Amendments and Reauthorization Act of 1986 (SARA) replaced the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), authorizing the collection of environmental taxes, a type of excise tax. This study, published annually, is the only source of data that provides detailed tabulations by type of chemical.
Estate Collation	Barry Johnson	This periodic study links estate tax return data for decedents and beneficiaries. Income information for beneficiaries is available both for years preceding and following the decedent's death. Information on gift tax returns is available for the last 2 years of the decedent's life. The most recent study is based on decedents who died in 1982. The next study will be for decedents who died in 1989.
Estate Tax Returns: 1992-1994 Program	Barry Johnson	This annual study includes information on gross estate and its composition deductions and tax; and information on the age, sex and marital status of the decedents. Basic estate tax return data by year in which returns are filed are produced every year. Other statistics are available on a year-of-death basis (approximately every 3 years). The most recent study is based on decedents who died in 1989 with returns filed in 1989-91.
Exempt Organizations Business Income Tax Returns: 1990 Program 1991 Program	Peggy Riley Sara Boroshok	This annual study includes tabulations of "unrelated business" income and deductions for organizations classified as tax-exempt under the Internal Revenue Code. The data file will also be linked with the Forms 990 and 990-PF data files of tax-exempt organizations and private foundations.

SOI Projects and Contacts

Project	Primary Analysts	Frequency and Program Content
Foreign Controlled Corporations: 1990 Program 1991 Program	John Latzy	This annual study includes data on transactions between U.S. corporations and their foreign owners. Data are classified by country and industry.
992 Program	•	
Foreign Corporations: 1990 Program 1992 Program 1993 Program	Bill States Randy Miller Maggie Lewis	This periodic study, planned for every 2 years, provides data on activities of foreign corporations that are controlled by U.S. corporations. Data are classified by industry and country.
Foreign Recipients of U.S. Income: 1991 Program	Denise Bori	This annual study provides data by country on income paid to nonresident aliens and the amount of tax withheld for the U.S. Government.
Foreign Sales Corporations (FSC): 1992 Program	Dan Holik	These corporations replaced the Domestic International Sales Corporation, or DISC, as of January 1, 1985. Balance sheet, income statement and export-related data are tabulated annually through 1987, and then on a 4-year cycle after 1992.
Foreign Trusts: 1990 Program	Randy Miller	This periodic study, conducted every 4 years, provides data on foreign trusts that have U. S. persons as grantors, transferors or beneficiaries. Data include country where trust was created, value of transfer to the trust and the year the trust was created.
individual Income Tax Return Public Use File	Mario Fernandez	Microdata magnetic tape files, produced annually, contain detailed information obtained from the individual statistics program, with identifiable taxpayer information omitted to make the file available for public dissemination, on a reimbursable basis. (In addition to microdata files, specific tabulations from them are produced, also on a reimbursable basis.)
Individual Income Tax Returns: 1990 Program 1991 Program 1992 Program	Michael Strudler Marty Shiley	Basic data are produced annually and cover income, deductions, tax and credits reported on individual income tax returns and associated schedules, chiefly by size of adjusted gross income.
interest-Charge Domestic International Sales Corporations (IC-DISC): 1991 Program	Dan Holik	These corporations replaced the Domestic International Sales Corporation, or DISC, as of January 1, 1985. Balance sheet, income statement, and export-related data are tabulated annually through 1987, and then on a 4-year cycle.
intergenerational Wealth	Barry Johnson Marvin Schwartz	This on-going study involves estate returns filed since the inception of the estate tax (1916), and focuses on changes in the concentration of wealth and the intergenerational transfer of wealth, as well as the history of the estate tax system. The asset composition, available demographic information,

SOI Projects and Contacts

Project	Primary Analysts	Frequency and Program Content
International Boycott Participation: 1991 Program 1992 Program	Melissa Redmiles	This study provides data on business operations of U.S. persons in boycotting countries, as well as the requests and agreements to participate in, or cooperate with, international boycotts not sanctioned by the U.S. Government.
Migration Flow and County income Data	Sandy Byberg	Migration flow data (based on changes in individual income tax return addresses) and county or State income data are available annually on a reimbursable basis. The most recent data are for 1990-91.
Nonprofit Charitable and Other Organizations: 1990 Program 1991 Program	Cecelia Hilgert Paul Arnsberger	This annual study includes balance sheet and income statement data for organizations classified as tax-exempt under subsections 501(c)(3)-(9) of the the Internal Revenue Code. Beginning with 1989, the study will include data from the new Form 990-EZ.
Nonresident Alien Estates: 1990 Program	Randy Miller	This periodic study, planned for every 4 years, provides data on estates of nonresident aliens who had more than \$60,000 of assets in the United States. The estates are subject to U.S. estate taxation on U.S. property.
Occupation Studies	Bobby Clark Dodie Riley	This periodic study, based on availability of outside funding, is designed to classify individual income tax returns by occupation and to develop a dictionary of occupation titles that can be used to enhance the economic data of many other individual income tax return studies.
Partnership Returns of Income: 1992 Program 1993 Program	Tim Wheeler Elaina Shekhter	Basic data, produced annually, cover income statement, balance sheet, and details from supporting schedules. Data are classified chiefly by industry group.
Partnership Withholding Study: 1991 Program	Kimberly Veletto	This annual study includes data on U.S. partnership payments to foreign partners. Data are classified by country and recipient type.
Personal Wealth Study: 1992 Program	Marvin Schwartz Barry Johnson	This periodic study provides data estimates of personal wealth of top wealth-holders that are generated from estate tax return data using the "estate multiplier" technique, in conjunction with both filing-year and year-of-death estate data bases. The most recent data (1989) are based on returns filed from 1989 to 1991. The 1992 program will be based on returns filed from 1992-199
Private Foundations: 1990 Program 1991 Program	Alicia Meckstroth	This annual study includes balance sheets and income statements. Beginning with 1989, the study will include data on non-exempt charitable trusts.

SOI Projects and Contacts

Project	Primary Analysts	Frequency and Program Content
\$ Corporations: 1992 Program 1993 Program	Amy Gill	Annual study data are collected for the income statement, balance sheet and from supporting schedules. Data are classified by industry group or by asset size.
Sales of Capital Assets: 1985 Program 1985-1992 Panel Study	Barbara Longton Janette Wilson	This periodic study provides detailed data on the sales of capital assets reported on Schedule D of the individual income tax return, sales of residences and personal or depreciable business property.
mar in the second of the secon		A panel study provides the same data on capital asset transactions for a subsample of the returns in the Sales of Capital Assets basic study, over a period of years.
Sales of U.S. Real Property Interests by Foreign Persons: 1992 Program	Chris Carson	This annual study will provide data on transfers of U.S. real property interests, when these interests are acquired from foreign persons. Data include the amount realized on transfers, U.S. tax withheld and the country of foreign persons.
Sole Proprietorships: 1990 Program 1991 Program 1992 Program	Jeffrey A. Hartzok	Basic program data, produced annually, cover the business receipts, deductions and net income reported on Schedule C (for nonfarm proprietors), by industry group. Similar data from Schedule F (for farmers) are available on an occasional basis.
State Data: 1985 Program 1988 Program	Mario Fernandez	Special tabulations of selected individual income, deduction and tax data by State are produced on a reimbursable basis. (The data file for 1988 is the most recent.)
Statistical Subscription Services: Corporation Source Book	Sandy Byberg	Annual data by more detailed industry groups than are used for the regular corporation statistics are produced by asset size.
Tax-exempt Bond Issues: 1991 Program 1992 Program	Marvin Schwartz	This annual study provides information on private activity and governmental bond issues by type of property financed, size of face amount and State.
Taxpayer Usage Study: 1993 Program	Laura Prizzi	Basic data, produced annually, provide weekly frequencies of specific line entries made by taxpayers, the use of various return schedules and associated forms, and general characteristics of the individual taxpayer population for returns received during the primary filing season (January through April).
U.S. Possessions Corporations: 1989 Program	Randy Miller	This periodic study, planned for every 4 years, provides data on income statement, balance sheet, tax and "possessions tax credit" data for "qualifying" U. S. possessions corporations. (Most of these corporations are located in Puerto Rico.)

Publications & Tapes

Statistical Information Services

For questions about the availability of SOI data, other statistical services, or release dates for new publications, please contact the Statistical Information Services Office on (202) 874-0410 or FAX (202) 874-0922. As its name implies, this office is best able to answer questions about data. It is not the place to call to obtain tax forms or information about the status of an individual's tax refund or audit examination. Also, all requests from the media should be directed to the IRS Public Affairs Office on (202) 622-4000.

The following *Statistics of Income* reports and tapes can be purchased from Statistics of Income (unless otherwise indicated). Prepayment is required, with checks made payable to the IRS Accounting Section. Please write:

Acting Director Statistics of Income (CP:S) Internal Revenue Service P. O. Box 2608 Washington, DC 20013-2608

Business Source Books

Corporation Source Book, 1990

Publication 1053 - Price \$175.00

This 479-page document presents detailed income statement, balance sheet, tax and selected other items, by major and minor industy groups and size of total assets. The report, which underlies the *Statistics of Income—Corporation Income Tax Returns* publication, is part of an annual series and can be purchased for \$175 (issues prior to 1982 are for sale at \$150 per year). Magnetic tape or diskette containing the tabular statistics for 1990 can be purchased for \$1,500.

Partnership Source Book, 1957-1983

Publication 1289 - Price \$30.00

This 291-page document shows key partnership data, for 1957 through 1983, by major and minor industry group. It includes a historical definition of terms section and a summary of legislative changes affecting the comparability of partnership data during that period. Tables show:

- number of partnerships;
- number of partners;
- business receipts;
- depreciation;
- taxes paid deductions;
- interest paid deductions;
- payroll deductions;
- payments to partners; and
- net income less deficit.

(A magnetic tape containing the tabular statistics for partnerships can be purchased for \$300 from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.) More recent partnership data are published annually in the *SOI Bulletin*.

Sole Proprietorship Source Book, 1957-1984

Publication 1323 - Price \$95.00

This Source Book is a companion to that for partnerships, described above. It is a 251-page document showing key proprietorship data for 1957 through 1984; data for farm proprietorships are excluded after 1980. Each page presents statistics for a particular industry. Tables show:

- number of businesses;
- interest paid deductions;
- business receipts;
- payroll deductions; and
- depreciation;
- net income less deficit.
- taxes paid deduction;

A magnetic tape containing the tabular statistics can be purchased for \$245. As with partnerships, more recent (nonfarm) sole proprietorship data are published annually in the *SOI Bulletin*.

Compendiums

Studies of Tax-Exempt Organizations, 1974-1987

Publication 1416 - Price \$26.00

This publication presents 22 articles from *Statistics of Income* studies on tax-exempt organizations. The articles emphasize important issues within the nonprofit sector, and also include several other articles previously unpublished in the *SOI Bulletin*, as well as papers published in proceedings of the American Statistical Association and the Independent Sector Research Forum. Topics featured are:

- nonprofit charitable organizations (primarily charitable, educational and health organizations);
- private foundations and charitable trusts; and
- unrelated business income of exempt organizations.

Publications & Tapes

Studies of Tax-Exempt Organizations, 1986-1992

Publication 1416 - Price \$26.00

This is the second volume in a series of Statistics of Income (SOI) publications on tax-exempt, nonprofit organizations. The volume includes data covering 1986-1992 and contains 12 previously-published articles from SOI studies, including articles from the SOI Bulletin, as well as papers prepared for the Journal of Nonprofit Management and Leadership, Trusts and Estates, the Independent Sector Research Forum, the National Research Council's Committee on National Statistics, and the American Statistical Association.

Studies of International Income and Taxes, 1984-1988

Publication 1267 - Price \$26.00

This report presents information from 13 Statistics of Income studies in the international area (many of them previously published in the SOI Bulletin), including:

- foreign activity of U.S. corporations;
- activity of foreign corporations in the United States;
- foreign controlled U.S. corporations;
- statistics related to individuals, trusts and estates;
- data presented by geographical area or industrial activity, as well as other classifiers.

Reimbursable Services

(Prices are dependent on the request.)

Public Use Magnetic Tape Microdata Files

This includes individual income tax returns for 1979-1990. A limited number of files for 1989 are also available on CD-ROM. (Individual income tax returns for 1966-1978 are available for sale by writing to the Center for Electronic Records (NNX) of the National Archives and Records Administration, Washington, DC 20408.) Files containing more limited data for each State are also available for 1985 and 1988. All of these files have been edited to protect the confidentiality of individual taxpayers. Files for private foundations for 1982-1983 and 1985-1989 and nonprofit charitable organizations for 1982-1983 and 1985-1989 are also available from Statis-

tics of Income. The individual, private foundation and charitable organization files are the only microdata files that can be released to the public.

Migration Data

Compilations are available showing migration patterns, from where to where, by State and county, based on year-to-year changes in the tax return address. Data are also available for selected time periods (according to the years in which returns were filed) between 1978 and 1991 and include counts of the number of individual income tax returns and personal exemptions. In addition, county income totals are available for Income Years 1982 and 1984 through 1990.

Other Unpublished Tabulations

Unpublished tabulations are also available, including detailed tables underlying those published in the *SOI Bulletin*. Special tabulations may also be produced, depending on the availability of resources.

Other Publications

The following *Statistics of Income* publications are available from the Superintendent of Documents, U.S. Government Printing Office. For copies, please use the order form following this section or write:

Superintendent of Documents P. O. Box 371954 Pittsburgh, PA 15250-7954.

If you determine from the Government Printing Office that any of the next three items is out-of-print, please telephone the Statistical Information Services Office on (202) 874-0410, for assistance.

Statistics of Income (SOI) Bulletin

Quarterly Publication 1136, Stock No. 748-005-00000-5 Subscription price, \$25.00; Single copy price, \$13.00

Provides the earliest published financial statistics from individual and corporation income tax returns. The *Bulletin* also includes annual data on nonfarm sole proprietor-

Publications & Tapes

ships and on partnerships, as well as from periodic or special studies of particular interest to tax analysts and administrators and to economists. Historical tables include data from SOI, as well as on tax collections and refunds by type of tax.

Statistics of Income – 1990, Corporation Income Tax Returns

Publication 16, Stock No. 048-004-02322-9 Price \$19.00

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Presents information on:

Data are classified by:

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- industry;
- deductions:
- accounting period;
- net income;
- size of total assets; and
- taxable income;
- size of business receipts.
- income tax;
- tax credits:
- assets; and
- liabilities.

Statistics of Income – 1990, Individual Income Tax Returns

Publication 1304, Stock No. 048-004-02320-2 Price \$10.00

This report presents more comprehensive and complete data on individual income tax returns for 1990 than those published earlier in the *SOI Bulletin*.

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Data are presented by:

- sources of income:
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- income; and
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- marital status.
- tax computations.
- The following *Statistics of Income* publication is available from Statistics of Income. For copies, please write to the

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Acting Director at the address shown at the beginning of this section.

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