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Household Debt Among Older Americans, 1989-2016

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SUMMARY

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Zhe Li
Analyst in Social Policy

Household Debt Among Older Americans, 1989-2016

In the past three decades, debt has grown substantially among older Americans. The increase in debt among older Americans has raised concerns about the financial security for people near or during retirement. Not only because Americans aged 65 and older represent a large and growing proportion of the U.S. population, but also because increases in household debt might require retirees to devote a larger share of their fixed income from Social Security, pensions, or government subsidies toward paying debt. Older people also tend to have limited ability to adjust their labor supply to offset higher monthly debt obligations. Excessive debt payments may put more seniors, especially those living on limited incomes, at greater risk of financial insecurity.

According to the Survey of Consumer Finances (SCF), the percentage of elderly households (i.e., those headed by individuals aged 65 and older) who held any debt increased from 37.8% in 1989 to 61.1% in 2016. During the same time, the median debt among elderly households with debt increased from $7,463 to $31,050 (in 2016 dollars), and the real average debt increased from $29,918 to $86,797 (in 2016 dollars). The median debt lies at the middle of the debt distribution, and the average debt is generally higher than the median debt because a relatively small percentage of people have very high debt.

Between 1989 and 2016, growth in average household debt among elderly households with any debt largely resulted from mortgages, including growth in average debt secured by a residence (from $12,970 to $57,943 in 2016 dollars) and average debt for other residential properties (from $2,970 to $11,446 in 2016 dollars). Some researchers speculate that much of the growth in debt among elderly households through 2007 might have resulted from the increased availability of mortgage credit, whereas others argue that tightening underwriting standards on mortgage debt in the wake of the financial crisis have slowed mortgage originations among young borrowers, which consequently resulted in a shift of new mortgage originations toward older borrowers. Residential loans are usually considered as a long-term wealth builder as the market value of the residence may increase over time, and some researchers find that they are much less stressful to older people than other debt, such as credit card debt. However, some others also argue that households headed by individuals aged 65 and older held historically high levels of housing debt in 2016, which might expose them to greater vulnerability to housing market shocks than elderly households in previous cohorts.

The change in debt among elderly households from 1989 to 2016 varied by age groups and asset levels. For example, the largest growth in the share of elderly households who have any debt was for those headed by individuals aged 75 and older. In terms of asset levels, households in the middle of the total asset distribution had the largest growth in the holding of any debt.

Much of the change in debt among elderly households on average was well balanced by their assets. To measure the extent to which a household is burdened by debt, researchers and policymakers usually refer to the debt payments-to-income ratio and the total debt-to-asset ratio. Among elderly households with debt, the debt payment-to-income ratio increased from 8.7% in 1989 to 12.4% in 2016, and the debt-to-asset ratio increased from 5.1% to 9.0% during the same time. Both ratios peaked in 2010, the year after the recent economic recession, and then decreased from 2010 to 2016. The debt burden increased more rapidly for certain types of elderly households between 1989 and 2016. The debt-to-asset ratio among households headed by individuals aged 80 and older increased by 5 percentage points during this time. Likewise, the ratio among elderly households in the middle of the total asset distribution increased by more than 10 percentage points during the same time.

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Introduction

The household debt among older Americans—including mainly residential debt, auto loans, student loans, and credit cards—has grown substantially from 1989 to 2016.[1] The proportion of households headed by individuals aged 65 and older (hereinafter referred to as *elderly households*) who held any debt increased from 37.8% to 61.1%, and the real median household debt among elderly households with debt increased from $7,463 to $31,050 (in 2016 dollars).[2]

The increase in debt among older Americans has raised concerns about the financial security for people near or during retirement for several reasons. First, Americans aged 65 and older represent a large and growing proportion of the U.S. population. Over the next 20 years, the share of U.S. population aged 65 and older is expected to increase from about 17% to 22%.[3] The increase in debt, together with the aging population, suggests that a large group of older Americans are not retiring debt free. Second, many older Americans, especially low-income people, rely on Social Security or other government-sponsored income transfers as their major sources of income.[4] Increases in household debt might require retirees to devote a larger share of their fixed income and savings toward paying debt. Excessive debt payments may put more seniors, especially those living on limited incomes, at greater risk of financial insecurity. Third, researches have shown that higher levels of debt may increase psychological stress and decrease physical health.[5] These effects may be exacerbated for older people as they usually have fixed income and limited ability to offset higher monthly debt obligations by working more.

This report presents evidence of the increase in debt from 1989 to 2016 among households headed by those aged 65 and older, using Survey of Consumer Finances (SCF) data.[6] The discussion focuses on changes in the percentage of households holding debt; in median and average household debts; in selected types of debt; and in relative measures, such as the debt payments-to-income ratio and the total debt-to-asset ratio. This report also analyzes how household debt among older Americans varies across different age groups and asset distributions, and it explores various groups of elderly households with the largest debt burdens. Major types of

[1] For an overview of major consumer finance markets, see CRS Report R45813, *An Overview of Consumer Finance and Policy Issues*.

[2] Congressional Research Service (CRS) estimates using data from the Survey of Consumer Finances (SCF), 1989 to 2016.

[3] In 2020, there will be 56.1 million Americans aged 65 and older, representing 16.9% of the population. By 2040, according to projections made by the Census Bureau, there would be 80.8 million people aged 65 and older, constituting 21.6% of the U.S. population. For more information, see U.S. Census Bureau, 2017 National Population Projections Datasets, Table 1, at https://www.census.gov/data/datasets/2017/demo/popproj/2017-popproj.html.

[4] See CRS Report R45791, *Poverty Among Americans Aged 65 and Older*, by Zhe Li and Joseph Dalaker.

[5] See Thomas Richardson, Peter Elliott, and Ronald Roberts, "The Relationship Between Personal Unsecured Debt and Mental and Physical Health: A systematic Review and Meta-analysis," *Clinical Psychology Review*, vol. 33, issue 8 (2013), pp. 1148-1162. The study reviews more than 50 studies of the relationships between health and financial and socioeconomic status. Nearly 80% found that being in debt was linked to poorer physical health. Some additional studies also include Lucia Dunn and Ida Aghdas Mirzaie, "Consumer Debt Stress, Changes in Household Debt and the Great Recession," *Economic Inquiry*, vol. 54, no. 1 (2016), pp. 201-214; and Patricia Drentea and John R. Reynolds, "Where Does Debt Fit in the Stress Process Model," *Society and Mental Health*, vol. 5, no. 1 (2015), pp. 16-32.

[6] The SCF is a triennial survey conducted on behalf of the Board of Governors of the Federal Reserve and contains detailed information on U.S. household finances, such as the amount and types of assets owned, the amount and types of debt owed, and detailed demographic information on the head of the household and spouse. The SCF is designed to be nationally representative of the population of U.S. households. For information on the SCF, see https://www.federalreserve.gov/econres/scfindex.htm. Most analysis in this report is based on SCF data, except for the discussion in "Bankruptcy Among Older Americans," which is based on data from the Consumer Bankruptcy Project.

debt discussed in this report mainly include residential debt, auto loans, student loans, and credit card balances. Non-loan debt—such as medical debt, past-due utility and other bills, and government-assessed fines and fees—is not covered in this report, because the population with those debts tend to be underpresented in the SCF.

Household Debt by Age

Traditional life-cycle theories predict that people tend to borrow in young adulthood when incomes are low but some costs such as education and housing are high, continue to borrow but at a slower pace during middle age as income and expenses converge, and then slowly deleverage through old age as they pay down debt.[7] The SCF data show that Americans' debt experiences have generally conformed to life-cycle theories' predictions. During 1989 to 2016, the share of households who held any debt and the median and average level of household debts were highest among those headed by Americans aged 35 to 54 and lower among younger and older ages.[8]

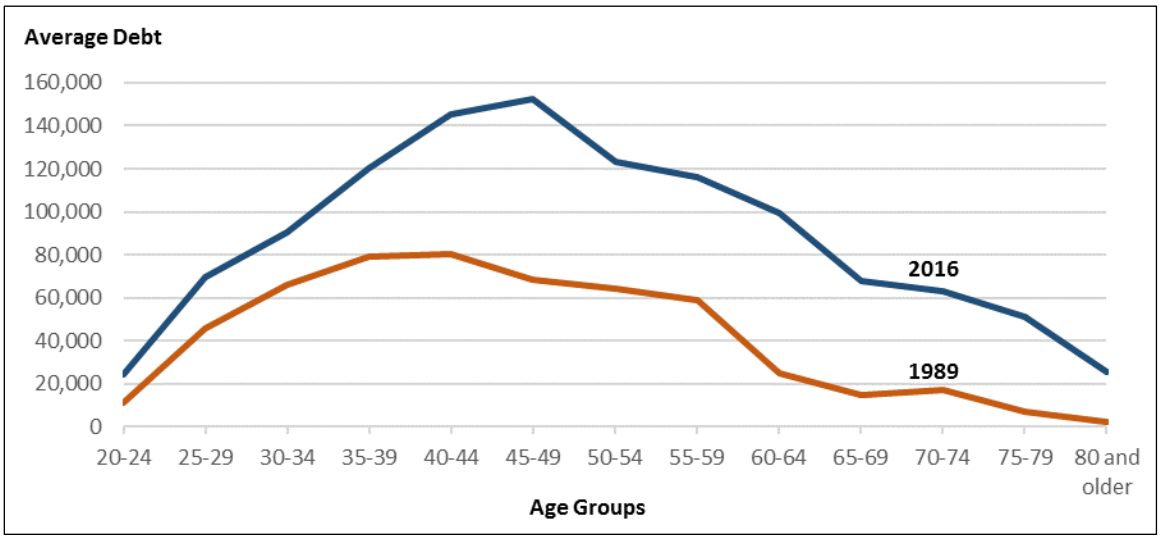
In the past three decades, debt among households headed by individuals aged 65 and older grew faster than that among households headed by those aged 64 and younger. In 2016, average household debt increased from $59,134 in 1989 to $110,204 (in 2016 dollars) for households whose head was between the ages of 20 and 64, an increase of 86%, whereas the average household debt grew from $11,278 to $53,269 (in 2016 dollars) for households headed by those aged 65 and older, an increase of 372%. The average household debt nearly doubled for households in age groups younger than age 60, but it increased by about 4 times for the age groups 60-64, 65-69, and 70-74; by about 7 times for the age group 75-79; and by more than 10 times for the age group 80 and older (see **Figure 1**).

[7] For example, Franco Modigliani and Richard Brumberg, "Utility Analysis and the Consumption Function: an Interpretation of Cross-Section Data," in *Post-Keynesian Economics*, ed. Kenneth K. Kurihara, (New Brunswick, NJ: Rutgers University Press, 1954), pp. 388-436, and Milton Friedman., 1957, "The Permanent Income Hypothesis," in *A Theory of the Consumption Function*, ed. Milton Friedman (Princeton, NJ: Princeton University Press, 1957), pp. 20-37.

[8] Some recent studies also find similar results. For example, Moritz Kuhn, Moritz Schularick, and Ulrike I. Steins, *The Great American Debt Boom, 1949-2013*, Federal Reserve Bank of St. Louis, September 2017, at https://www.stlouisfed.org/~/media/files/pdfs/hfs/assets/2017/moritz_schularick_the_great_american_debt_boom.pdf?la=en; Scott L. Fulford and Scott Schuh, *Consumer Revolving Credit and Debt over the Life Cycle and Business Cycle*, Federal Reserve Bank of Boston, Research Department Working Papers no. 15-17, October 2015, at https://www.bostonfed.org/publications/research-department-working-paper/2015/consumer-revolving-credit-and-debt-over-the-life-cycle-and-business-cycle.aspx; and Anne Lester, Katherine Santiago, Je Oh, Livia Wu, and Ekaterina Chegaeva, "Paying it Back: Real-world Debt Service Trends and Implications for Retirement Planning," prepared for presentation at Pension Research Council Symposium (Philadelphia, PA), March 2019.

Figure 1. Average Household Debt by Age Groups, 1989 and 2016

(in 2016 dollars)



Source: Congressional Research Service (CRS) analysis of the Survey of Consumer Finances (SCF), 1989 and 2016.

Notes: Age of the household is the age of the head of the household. The person referred to as the "head" in the SCF is either the male in a mixed-sex couple or the older individual in a same-sex couple.

Trends in Household Debt Among Older Americans

From 1989 to 2016, debt increased among households whose head was aged 65 and older. Both the share of elderly households with any debt and the median and average levels of debt have increased. Household debt includes mortgages, auto loans, student loans, and credit cards, as well as other debt products.[9]

Share of Elderly Households Holding Debt and Median and Average Debt

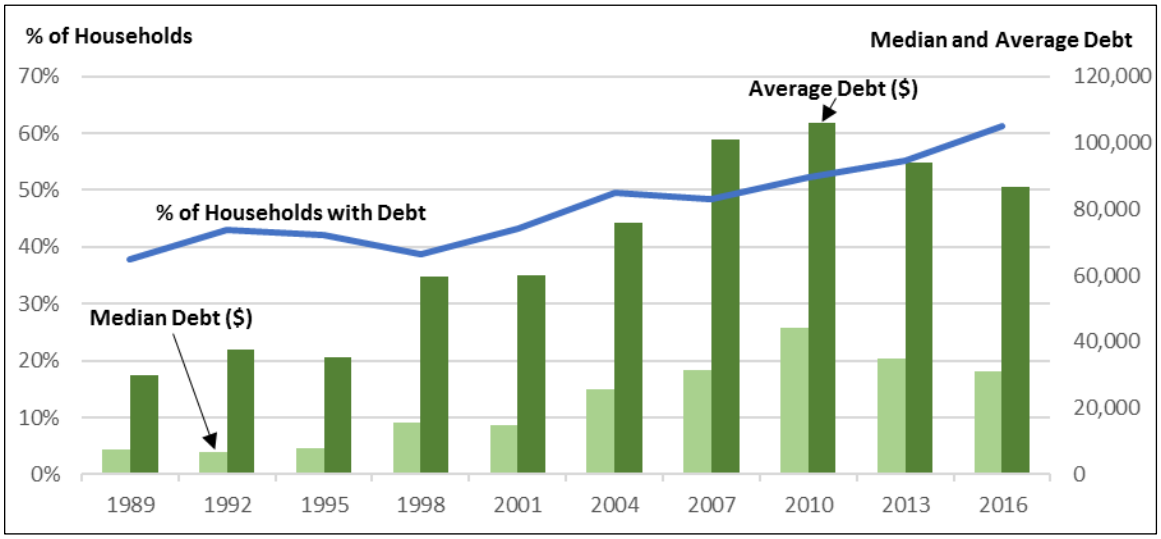
From 1989 to 2016, the share of households headed by individuals aged 65 and older who held debt increased, as did median and average household debt among elderly households with debt (see **Figure 2**). In 1989, about 37.8% of elderly households held debt, whereas in 2016 the share increased to 61.1%. The median debt of those elderly households with debt increased from $7,463 to $31,050 (in 2016 dollars) during the same time, and the real average debt increased from $29,918 to $86,797.[10] The median debt lies at the middle of the debt distribution, and the average debt is generally higher than the median debt because a relatively small percentage of people have very high debt.

[9] Other debt products may include loans for household appliances, furniture, hobby or recreational equipment, medical bills, a business or investment, or loans from friends or relatives.

[10] In contrast to elderly households, the share of households headed by those younger than age 65 with any debt stayed relatively stable, at slightly more than 80% during 1989 to 2016. The median and average debt of those nonelderly households in 2016 dollars approximately doubled during the same time.

Figure 2. Share of Elderly Households Holding Any Debt and Median and Average Debt for Elderly Households with Debt, 1989 to 2016

(in 2016 dollars)



Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Median and average debt are measured among elderly households with debt.

The share of elderly households holding any debt has generally trended upward from 1989 to 2016. However, median and average debt peaked in 2010, the year after the 2007-2009 economic recession, and declined from 2010 to 2016. In 2016, the median amount of debt was about the same as in 2007, before the economic recession, and the average amount of debt was at about the midpoint of the averages in 2004 and 2007.[11]

The financial crisis might have had a profound effect on the older population for several reasons. First, older people are likely to have been affected by employment instability. Research suggests that when the elderly lose jobs, it takes them significantly longer to find new ones, and their new jobs, if any, typically pay less than their previous jobs.[12] Second, defined contribution (DC) retirement plans have replaced defined benefit (DB) plans, and they have become an important source of income for older Americans.[13] Unlike DB plans, which provide a steady stream of income during retirement, DC plans fluctuate in value with the financial market, and their value depends in part on employees' investment skills. Employees generally bear the risk in DC plans.[14] A recent study indicates that individuals' retirement account mismanagement and the large drop

[11] For discussions of debt-driven business cycles, see Yun K. Kim, "Macroeconomic Effects of Household Debt: An Empirical Analysis," *Review of Keynesian Economics*, vol. 4, no 2 (Summer 2016, pp. 127-150; Barry Z. Cynamon and Steven M. Fazzari, "Household Debt in the Consumer Age: Source of Growth – Risk of Collapse," *Capitalism and Society*, vol. 3, no. 2 (2008); and Thomas I. Palley, "A Theory of Minsky Super-Cycles and Financial Crises," *Contributions to Political Economy*, vol. 30. no 1 (2001), pp. 31-46.

[12] Melissa Hardy, "Rethinking Retirement," in *Handbook of Sociology of Aging*, eds. R. A. Settersten, Jr. and J.L. Angel (New York, NY: Springer, 2011), pp. 213-227, at https://link.springer.com/content/pdf/10.1007%2F978-1-4419-7374-0_14.pdf.

[13] See CRS Report R43439, *Worker Participation in Employer-Sponsored Pensions: A Fact Sheet*. The most common types of DC plans are 401(k), 403(b), 457(b), the Thrift Savings Plan (TSP), Savings Incentive Match Plan for Employees (SIMPLE), and Simplified Employee Pension (SEP).

[14] See CRS Report R40707, *401(k) Plans and Retirement Savings: Issues for Congress*.

in the stock market during the financial crisis reduced potential retirement income for many older Americans during the past decade.[15]

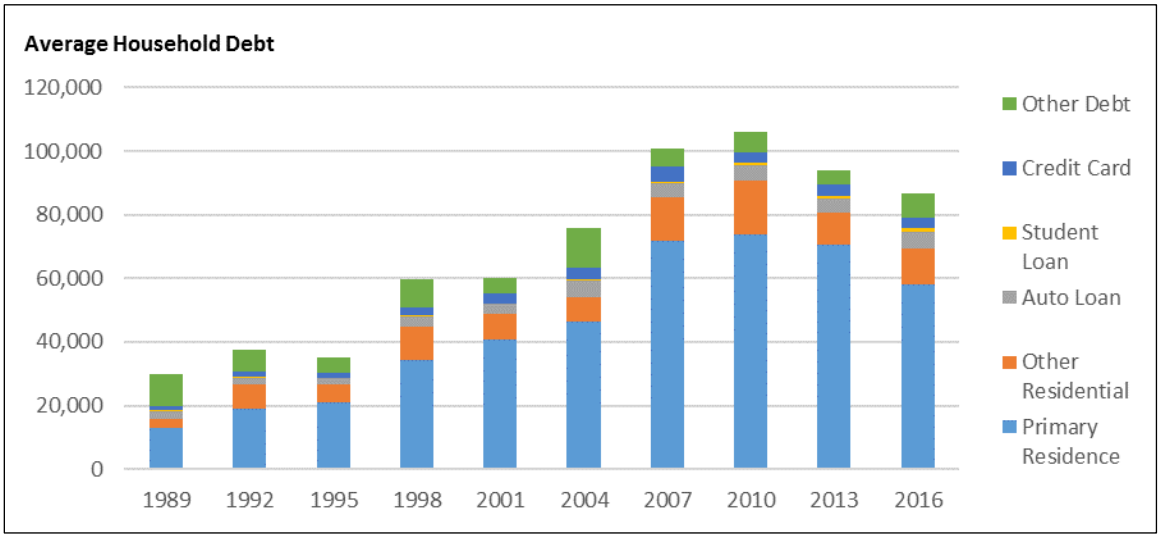
Components of Debt

The growth in average household debt between 1989 and 2016 largely came from mortgages (see **Figure 3**), including both debt secured by a primary residence (from $12,970 to $57,943 in 2016 dollars) and debt for other residential properties (from $2,970 to $11,446 in 2016 dollars).[16] In addition, the increase in auto loans (from $2,437 to $5,262) may explain part of the growth in household debt among elderly households. In 2016, primary residential mortgages accounted for 66.8% of overall elderly household debt on average, other residential debt for 13.2%, auto loans for 6.1%, student loans for 1.5%, credit card balances for 3.5%, and other debts for 8.9%.[17]

Residential loans are usually considered a long-term wealth builder as the market value of the residence may increase over time, which is generally not true for auto loans or credit card debt. Researchers have found that both residential and non-residential debt may contribute to debt-related stress for older households, but residential debt is much less stressful than other debt, such as credit card debt.[18]

Figure 3. Average Debt for Specified Types of Debt Among Elderly Households with Debt, 1989 to 2016

(in 2016 dollars)



Source: CRS analysis of the SCF, 1989 to 2016.

[15] Deborah Thorne, Pamela Foohey, Robert M. Lawless, and Katherine Porter, *Graying of U.S. Bankruptcy: Fallout from Life in a Risk Society*, Indiana Legal Studies Research Paper no. 406, August 2018, at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3226574.

[16] For similar findings, see also Annamaria Lusardi, Olivia S. Mitchell, and Noemi Oggero, *The Changing Face of Debt and Financial Fragility at Older Ages*, American Economic Association, Papers and Proceedings vol. 108, May 2018.

[17] Other debts include other lines of credit, other installment loans, loans against pensions or life insurance, margin loans, and miscellaneous.

[18] Donald Haurin, Cäzilia Loibl and Stephanie Moulton, "Debt Stress and Mortgage Borrowing in Older Age: Implications for Economic Security in Retirement," Presentation in the Retirement and Disability Research Consortium, August 2019.

Notes: Elderly households are those headed by individuals aged 65 and older. Other debts include lines of credit, installment loans, loans against pensions or life insurance, margin loans, and miscellaneous.

Selected Components of Debt

The share of elderly households who held certain selected types of debt, such as debt on a primary and other residences, auto loans, student loans, and credit card balances, increased from 1989 to 2016. The median amounts of those types of debt have also increased among elderly households with those debts.

Debt Secured by Residential Properties[19]

The share of elderly households who held debt secured by a primary residence increased from 15.4% in 1989 to 33.4% in 2016 (see **Table 1**). During the same time, the median primary residential debt among those households with residential debt increased from $16,793 to $72,000 in real 2016 dollars (see **Table 2**). Studies suggest that much of the growth through 2007 might have resulted from the increased availability of mortgage credit during the build-up to the financial crisis.[20] Some research indicates that millions of older Americans are carrying more mortgage debt than ever before, and recent cohorts have taken on more mortgage debt mostly because they purchased more expensive homes with smaller down payments.[21] Since 2010, some scholars argue that tightening mortgage underwriting standards have made it more difficult for young borrowers to qualify for mortgages. Consequently, this trend has resulted in a shift of new mortgage originations toward older borrowers and an increase in the ages of borrowers with existing debt.[22]

[19] Debt secured by residential properties may include mortgages and home equity lines of credit secured by both primary and other residential properties. The SCF does not report reverse mortgages as a separate category in the survey. Reverse mortgages are a unique form of mortgage debt available only to adults aged 62 and older. These mortgages allow homeowners to extract equity in their home without a monthly payment. The reverse mortgage loan and the accumulated interest is repaid when the individual dies, moves out, sells the home or needs to foreclose due to unpaid property taxes and homeowner insurance, which remain as the obligation of the homeowner. For more information, see Stephanie Moulton and Cäzilia Loibl, "Aging in Place: Analyzing the Use of Reverse Mortgages to Preserve Independent Living," at https://www.nrmlaonline.org/wp-content/uploads/2016/03/HECM-Survey-Report-10-31-15-Final-Draft.pdf. According to the American Housing Survey, about 351,000 households had reverse mortgages only in 2017, which accounted for less than 1.5% of the homeowners aged 65 and older. See https://www.census.gov/programs-surveys/ahs/data/interactive/ahstablecreator.html#?s_areas=a00000&s_year=n2017&s_tableName=Table14a&s_byGroup1=a15&s_byGroup2=a1&s_filterGroup1=t1&s_filterGroup2=g1&s_show=S.

[20] Ben S. Bernanke, "The Crisis and the Policy Response," speech at the Stamp Lecture, London School of Economics, London, England, January 13, 2009, at https://www.federalreserve.gov/newsevents/speech/bernanke20090113a.htm; and Atif Mian and Amir Sufi, "House Prices, Home Equity-Based Borrowing, and the US Household Leverage Crisis," *American Economic Review*, vol. 101 no. 5 (2011), pp. 2132-2156.

[21] Lori Trawinski, *Nightmare on Main Street: Older Americans and the Mortgage Market Crisis*, AARP Public Policy Institute, Working Paper no. 2012-08, 2012; and Annamaria Lusardi, Olivia S. Mitchell, and Noemi Oggero, *Debt and Financial Vulnerability on the Verge of Retirement*, NBER Working Paper no. 23664, August 2017, at https://www.nber.org/papers/w23664.

[22] Meta Brown, Donghoon Lee, Joelle Scally, and Wilbert van der Klaauw, "The Graying of American Debt," preliminary draft presented at Pension Research Council Symposium (Philadelphia, PA), May 2019. The mortgage origination may include both mortgages for primary residence and other residences.

Table 1. Share of Elderly Households with Selected Types of Debt, 1989 to 2016

(in percentages)

Year	Any Debt	Primary Residence	Other Residential	Auto Loan	Student Loan	Credit Card
1989	37.8%	15.4%	2.7%	10.3%	0.5%	20.0%
1992	43.0	14.3	2.1	10.4	1.1	26.9
1995	42.1	16.6	2.4	8.6	1.5	24.6
1998	38.6	19.1	3.6	10.7	0.9	20.6
2001	43.2	20.9	2.7	11.5	0.4	24.3
2004	49.4	25.3	2.4	17.3	0.9	27.7
2007	48.4	28.3	2.8	13.8	1.0	27.9
2010	52.3	32.6	4.0	15.7	2.7	27.0
2013	55.1	32.0	3.8	18.2	2.1	27.5
2016	61.1	33.4	4.4	21.2	2.4	35.1

Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older.

Table 2. Median of Selected Types of Debt Among Elderly Households with Specified Type of Debt, 1989 to 2016

(in 2016 dollars)

Year	Total Debt	Primary Residence	Other Residential	Auto Loan	Student Loan	Credit Card
1989	$7,463	$16,793	$23,323	$7,463	$7,463	$952
1992	6,842	28,510	34,380	5,702	10,230	1,006
1995	7,830	28,188	46,980	9,396	4,072	987
1998	15,640	36,886	75,248	10,181	5,902	1,475
2001	14,903	59,613	62,323	9,348	2,303	1,219
2004	25,436	54,687	66,133	10,810	6,359	2,289
2007	31,266	69,481	132,014	11,464	20,844	2,316
2010	43,992	69,636	132,639	10,943	13,264	2,211
2013	35,058	75,271	61,866	11,342	15,982	2,073
2016	31,050	72,000	98,000	11,000	12,000	2,400

Source: CRS analysis of the Survey of Consumer Finances, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Median debt for each type is measured among elderly households with that specified type of debt.

A small proportion of elderly households held debt secured by other residential properties, such as a second house or a vacation property. The share of elderly households who held other residential debt slightly increased from 2.7% to 4.4% between 1989 and 2016, and the median

debt on other residences increased from $23,323 to $98,000. Those types of debt were primarily concentrated among relatively higher-income elderly households.[23]

Auto Loans

Auto loans also increased among households headed by individuals aged 65 and older from 1989 to 2016. The share of elderly households who held any auto loan increased from 10.3% to 21.2%, and the median auto loan grew from $7,463 to $11,000 (in 2016 dollars) for those households with auto debt. Rising auto loan debt among elderly households may have partly resulted from rising vehicle costs and longer auto loan maturities.[24]

Student Loans

A small share of elderly households held student loans, but the proportion increased over time. About 0.5% of elderly households held some student loans in 1989, and this share increased to 2.4% in 2016. Among those elderly households who held student loans, the median amount in 2016 dollars was $7,463 in 1989, which increased to $12,000 in 2016. Although the number of student loan borrowers aged 65 and older is much smaller than the younger population, elderly borrowers are more likely to default than their nonelderly counterparts.[25] Student loan debt can be especially problematic for older Americans because, in the event of default on federal student loans,[26] a portion of the borrower's Social Security benefits can be claimed to pay off the loans.[27] The number of individuals aged 65 and older whose Social Security benefits were offset to pay student loans increased from about 6,000 in FY2002 to 38,000 in FY2015.[28] Most of these federal student loans were incurred primarily for older Americans' own education rather than for their dependents' education.[29]

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[23] In 2016, almost no elderly households in the 0%-30% income percentiles held any other residential debt, and about 10.9% of elderly households in the 80%-90% income percentiles held debt against other residences and 15.5% of elderly households in the 90%-100% income percentiles held such debt. Data are based on CRS analysis of the 2016 SCF.

[24] CRS In Focus IF11192, *The Automobile Lending Market and Policy Issues*.

[25] In 2015, among 870,000 student loan borrowers aged 65 and older, 37% of them were in default; among 6.3 million borrowers aged 50-64, 29% of them were in default; and among 37.4 million borrowers under the age of 50, 17% of them were in default. But the default rate among student loan borrowers aged 65 and older decreased from 2005 (more than 50%) to 2015 (37%). See U.S. Government Accountability Office (GAO), *Social Security Offsets: Improvements to Program Design Could Better Assist Older Student Loan Borrowers with Obtaining Permitted Relief*, GAO-17-45, December 2016, at https://www.gao.gov/assets/690/681722.pdf; and Lori A. Trawinski, Susanna Montezemolo, and Alicia Williams, *The Student Loan Debt Threat: An Intergenerational Problem*, AAPR Public Policy Institute, Insight on the Issues no. 142,May 2019, at https://www.aarp.org/content/dam/aarp/ppi/2019/05/the-student-loan-debt-threat.doi.10.26419-2Fppi.00064.001.pdf.

[26] Federal student loans administered by the U.S. Department of Education make up the largest portion of student loans in the United States. Student loans from private lenders, such as banks and credit unions, account for a small part (roughly 10%-15% as of 2012) of the student loan market.

[27] 31 U.S.C. §3716(c)(3)(A)(i)(I). The Debt Collection Improvement Act of 1996 (P.L. 104-134) exempted benefit payments totaling $9,000 over a 12-month period (equivalent to $750 per month). In 1998, Treasury further exempted all but 15% of Social Security benefits from offset.

[28] GAO, *Social Security Offsets: Improvements to Program Design Could Better Assist Older Student Loan Borrowers with Obtaining Permitted Relief*, GAO-17-45, December 2016, at https://www.gao.gov/assets/690/681722.pdf. (Hereinafter, *Social Security Offsets*, 2016.)

[29] GAO, *Social Security Offsets*, 2016.

Credit Card Balances

Credit card balances among elderly households increased from 1989 to 2016, and they were the most common type of debt for elderly households in 2016. From 1989 to 2016, the share of elderly households who held some credit card debt increased from 10.0% to 35.1%, and the median credit card balance increased from $952 to $2,400 (in 2016 dollars) among those with credit card debt. Studies suggest that credit card and other noncollateralized debt tends to carry higher interest rates than other types of credit, so with rising credit card debt, older Americans may need to dedicate more of their income to servicing their debt.[30] Credit card debt is a leading reason for bankruptcy filings among older consumers. One study shows that elderly debtors in bankruptcy carried 50% more credit card debt than younger debtors, and elderly cited credit card interest and fees as the main reason for filing bankruptcy.[31]

Relative Measures Related to Debt

Measures of outstanding household debt say little about how much of a burden the debt is or how much risk it poses to the population's financial health. The debt payment-to income-ratio and the debt-to-asset ratio are relative measures commonly used to address the degree of debt burden on households.

The Debt Payment-to-Income Ratio

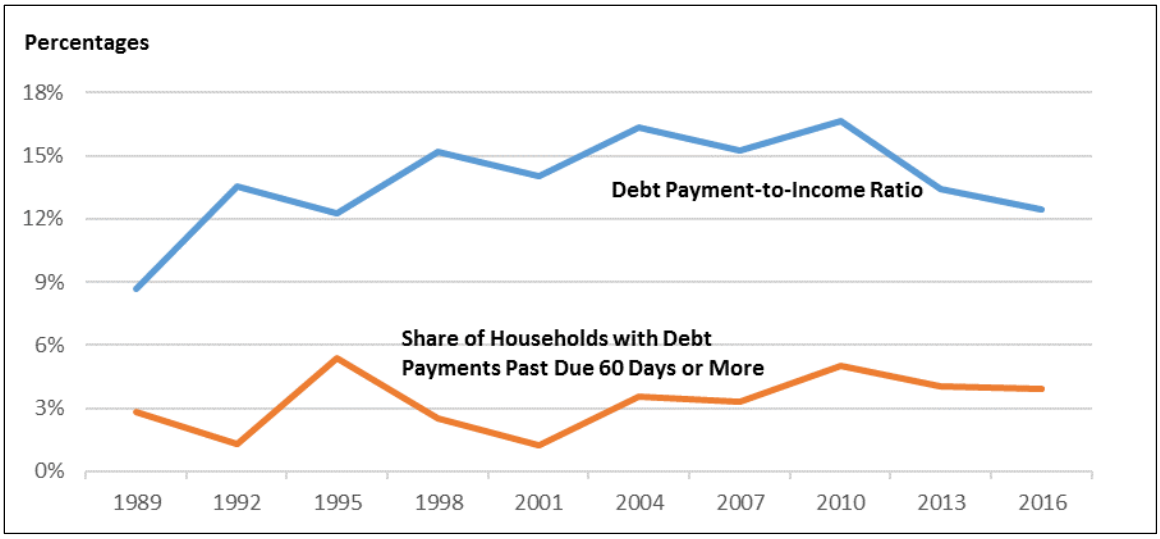
One measure of debt burden is calculated by comparing required debt payments to the income available to make those payments—the debt payment-to-income ratio. The ratio can measure the effects of interest rate changes and loan sizes on a household's liquidity. The debt payment-to-income ratio among elderly households who had some debt increased from 8.7% in 1989 to 16.7% in 2010, and then it declined to 12.4% in 2016 (see **Figure 4**). This ratio among elderly households was much lower than that for nonelderly households in 1989 (8.7% for elderly households compared with 16.1% for nonelderly households), but the difference in the ratio between elderly households and nonelderly households decreased over time. In 2016, the debt payment-to-income ratio for nonelderly households was 13.8%, compared with 12.4% for elderly households.

Delinquency on loan payments (e.g., the percentage of debtors with debt payment past due 60 days or more) can also suggest trouble meeting debt obligations. About 3.9% of households headed by individuals aged 65 and older with any debt had some payments past due 60 days or more in 2016 (see **Figure 4**). The share fluctuated between 1% and 5% from 1989 to 2016, and it did not show an increasing trend over time for older Americans. The share is generally higher for young households (around 10% for households headed by those aged between 18 and 34) and decreases as the head of household ages. These data suggest that although the debt payment-to-income ratio for elderly households is rising, this pattern might not indicate trouble meeting debt obligations.

[30] See Annamaria Lusardi, Olivia S. Mitchell, and Noemi Oggero, *The Changing Face of Debt and Financial Fragility at Older Ages*, American Economic Association, Papers and Proceedings vol. 108, May 2018; and Annamaria Lusardi, Olivia S. Mitchell, and Noemi Oggero, "Financial Vulnerability in Later Life and Its Implications for Retirement Well-being,", prepared for presentation at Pension Research Council Symposium (Philadelphia, PA), March 2019.

[31] John A.E. Pottow, "The Rise in Elder Bankruptcy Filings and the Failure of U.S. Bankruptcy Law," *The Elder Law Journal*, vol. 19, no. 1 (2011), pp. 119-57, at https://repository.law.umich.edu/articles/612.

Figure 4. The Debt Payment-to-Income Ratio and Delinquency on Loan Payments for Elderly Households with Debt, 1989 to 2016



Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Household income in the SCF includes wages and salaries, business and farm income, rent income, interest and dividends, withdrawals from IRAs and tax-deferred pension accounts, Social Security and pension benefits, transfers from public assistant programs, alimony income and other income from family relatives. For more information, see Board of Governors of the Federal Reserve System, Survey of Consumer Finances, at https://www.federalreserve.gov/econres/scfindex.htm.

The Debt-to-Asset Ratio

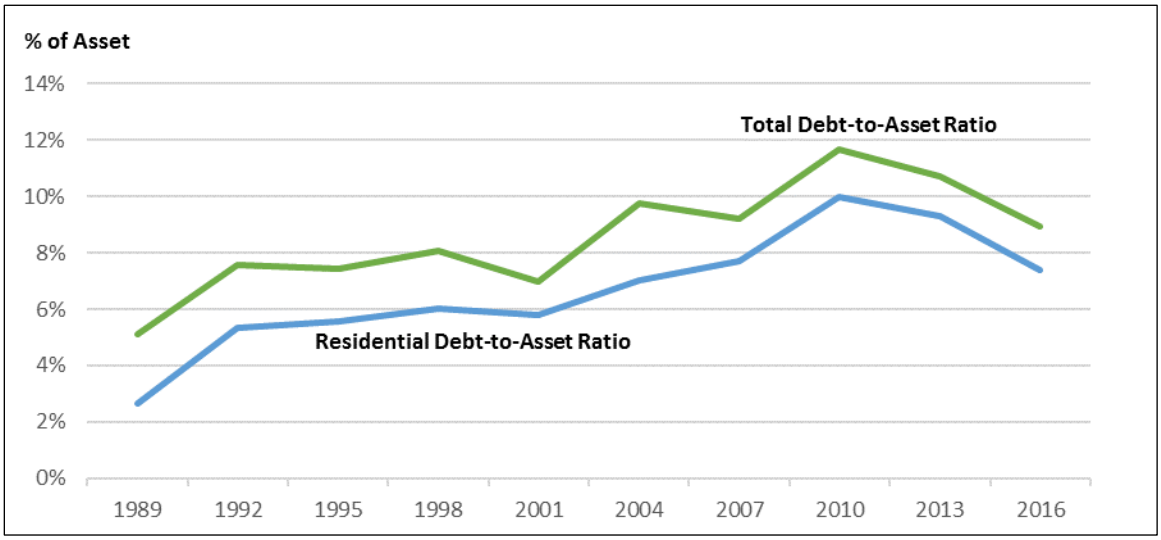
Another measure of debt burden is the debt-to-asset ratio. In addition to income, households can use assets to guard against financial risks.[32] In general, the more assets a household has, the less likely it is to default on its debt.

As predicted by the life-cycle mode, the debt-to-asset ratio is generally lower for elderly households than for nonelderly households, but from 1989 to 2016, the ratio grew more quickly for elderly households than for nonelderly households. According to the SCF, the debt-to-asset ratio increased from 5.1% in 1989 to 9.0% in 2016 for elderly households with debt (see **Figure 5**), whereas the ratio remained relatively stable for nonelderly households, at around 20%, during the same time. Among all debt types, the residential debt-to-asset ratio, which increased from 2.7% in 1989 to 7.4% in 2016, contributed to a large proportion of the growth in the debt-to-asset ratio for elderly households. The debt-to-asset ratio reached 11.7% in 2010, including a residential debt-to-asset ratio of 10.0%, which might have resulted from the increased availability of mortgage credit through 2007. In addition to the rise in the debt-to-asset ratio, the proportion of elderly households whose debt-to-asset ratio was greater than 50% increased from 7.4% in 1989 to 11.2% in 2016.[33]

[32] Assets in this report include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts.

[33] CRS analysis of the Survey of Consumer Finances, 1989 to 2016.

Figure 5. The Total Debt-to-Asset Ratio and the Residential Debt-to-Asset Ratio for Elderly Households with Debt, 1989 to 2016



Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Residential debt includes loans secured by a primary residence and other residential debt. Assets include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts.

Bankruptcy Among Older Americans

In addition to the increase in the debt-to-asset ratio, researchers have found a rise in the percentage of older Americans filing for relief under the bankruptcy code.[34] Individuals may file for bankruptcy when they cannot meet their debt obligations. Scholars find that the proportion of bankruptcy filers aged 65 and older increased from 2.1% in 1991 to 12.2% in 2013-2016 (approximately 97,600 households),[35] and the elderly cohort is the fastest-growing age demographic even after adjusting for the aging of the population.[36] Those studies also suggest that although both younger (under age 65) and older (age 65 and older) bankruptcy debtors are financially struggling, older filers overall are in worse financial shape than younger filers in terms of secured and unsecured debt, income, assets, and the debt-to-income ratio.[37]

[34] 11 U.S.C. §§101-1532. Individuals file either Chapter 7 or 13 bankruptcy. Chapter 7 bankruptcy is often referred to as *fresh start* or *liquidation* bankruptcy, whereas Chapter 13 bankruptcy is essentially a long-term repayment plan. For more information, see CRS Report R45137, *Bankruptcy Basics: A Primer*.

[35] The percentages are based on the total number of filers. A joint bankruptcy petition from a married couple results in two filers.

[36] These estimates are from Consumer Bankruptcy Project data. For more information, see Deborah Thorne, Pamela Foohey, Robert M. Lawless, and Katherine Porter, *Graying of U.S. Bankruptcy: Fallout from Life in a Risk Society*, Indiana Legal Studies Research Paper no. 406, August 2018, at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3226574; and for an earlier study of the issue, see Deborah Thorne, Elizabeth Warren, and Teresa A. Sullivan, "The Increasing Vulnerability of Older Americans: Evidence From the Bankruptcy Court," *Harvard Law & Policy Review*, vol. 3 (2009), pp. 87-101.

[37] Scholars show that some of the increase in elderly bankruptcy filing through 2010 may have resulted from the 2007-2009 financial crisis. See Wenli Li and Michelle White, "Financial Distress Among the Elderly: Bankruptcy Reform and the Financial Crisis," prepared for presentation at Pension Research Council Symposium (Philadelphia, PA),

Bankruptcy can be even more problematic for older debtors than younger debtors because it is generally harder for them to accumulate assets postbankruptcy. For example, compared with younger debtors, elderly debtors are less likely to find well-paying jobs because of perceptions of decreasing productivity and are less likely to build retirement savings because they have less time to accumulate wealth. Scholars argue that if the debtors filed bankruptcy as a result of chronic illness, bankruptcy does not improve their health or access to affordable healthcare or prescriptions.[38] For this and other reasons, research suggests that older bankruptcy filers are significantly more likely to continue to struggle financially than younger filers.[39]

Increased Debt Among Elderly Households by Age Groups

Although household debt rose over the past three decades for elderly households overall and on average, the oldest Americans experienced the largest increase in debt. Among all elderly households, those headed by people aged 80 and older saw the fastest growth in the share of households with any debt, the median household debt, and the debt-to-asset ratio.

Share of Elderly Households Holding Debt and Median Debt

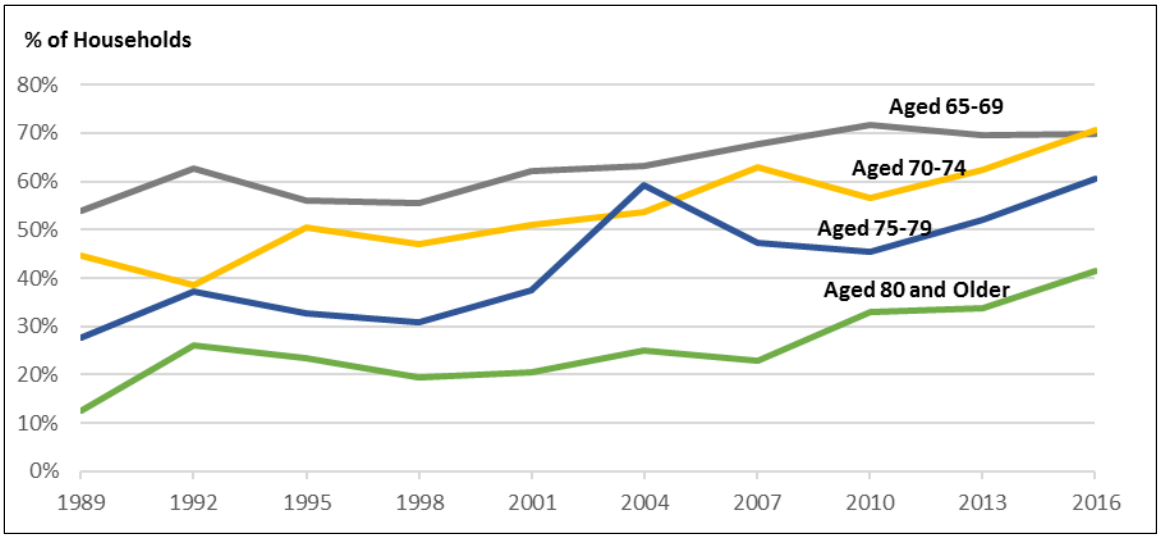
Figure 6 displays the share of elderly households who held any debt among four age groups from 1989 to 2016. In general, the proportion of elderly households with any debt declined with age for most survey years. For example, in 2016, about 70% of households headed by individuals aged 65-74 held debt, but the proportion was 61% for households in the age group 75-79 age-group and 42% for those in the age group 80 and older. Over time, the proportion of elderly households with any debt increased for all age groups. In 2016, the share of households headed by those aged 65-69 with debt increased from 54.0% in 1989 to 69.8%, from 44.6% to 70.7% for the age group 70-74, from 27.6% to 60.7% for the age group 75-79, and from 12.5% to 41.5% for the age group 80 and older. Among all age groups, the largest growth was for the oldest age groups, aged 75-79 and aged 80 and older.

March 2019.

[38] Deborah Thorne, Pamela Foohey, Robert M. Lawless, and Katherine Porter, *Graying of U.S. Bankruptcy: Fallout from Life in a Risk Society*, Indiana Legal Studies Research Paper no. 406, August 2018, at https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3226574.

[39] Katherine Porter and Deborah Thorne, "The Failure of Bankruptcy's Fresh Start," *Cornell Law Review*, vol. 92, no.1 (2006), pp. 67-128.

Figure 6. Share of Elderly Households Holding Any Debt by Age Groups, 1989 to 2016



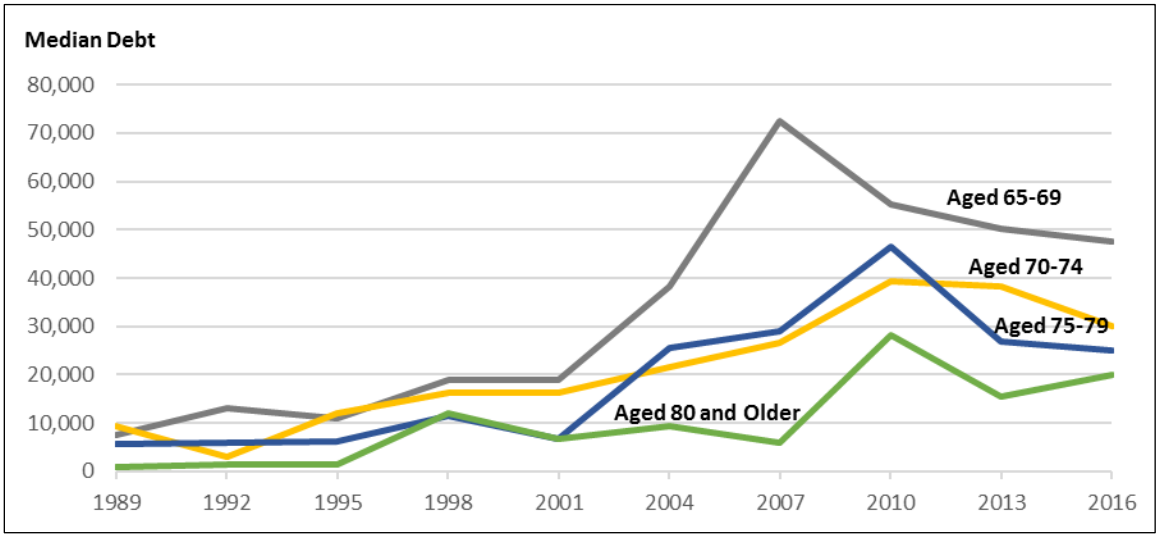
Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older.

Figure 7 shows median household debt among elderly households who had some debt by age groups from 1989 to 2016. Median household debt generally increased over time for each age group and peaked around the financial crisis. For households headed by those aged 80 and older, real median debt (in 2016 dollars) was $933 in 1989 and increased to $20,000 in 2016, almost 20 times greater.

Figure 7. Median Debt Among Elderly Households with Debt by Age Groups, 1989 to 2016

(in 2016 dollars)



Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Median debt is measured among elderly households with debt.

Average Debt and Components of Debt

On average, elderly households in all age groups hold more debt today than did similar households three decades ago in real dollars (see **Table 3**). Among all types of debt, primary residential debt experienced the largest growth, increasing by between 315% and 536% within the four elderly age groups. Following primary residential debt, elderly households experienced growth in other residential debt, auto loans, credit card balances, and student loans. Elderly households held almost no student loans in 1989, but the average amount in 2016 increased to more than $2,000 for households headed by those aged 65 to 69 and more than $1,000 for households headed by those aged 70 to 79.

Table 3. Average Debt Among Elderly Households with Debt by Age Groups, 1989 Versus 2016

(in 2016 dollars)

Age Group	Average Debt	Primary Residence	Other Residential	Auto Loan	Student Loan	Credit Card	Other Debt
			1989				
65-69	$27,364	$12,620	$3,220	$2,752	$282	$1,038	$7,453
70-74	38,466	14,814	4,172	2,454	18	1,654	15,353
75-79	25,238	12,695	760	2,101	0	548	9,135
80 and older	17,136	6,655	969	937	0	625	7,950
			2016				
65-69	97,381	65,007	14,075	6,877	2,211	3,263	5,948
70-74	89,492	61,697	12,597	5,529	1,064	3,350	5,255
75-79	84,633	52,805	5,543	3,462	1,158	3,232	18,434
80 and older	61,826	42,311	10,472	3,320	44	1,824	3,855

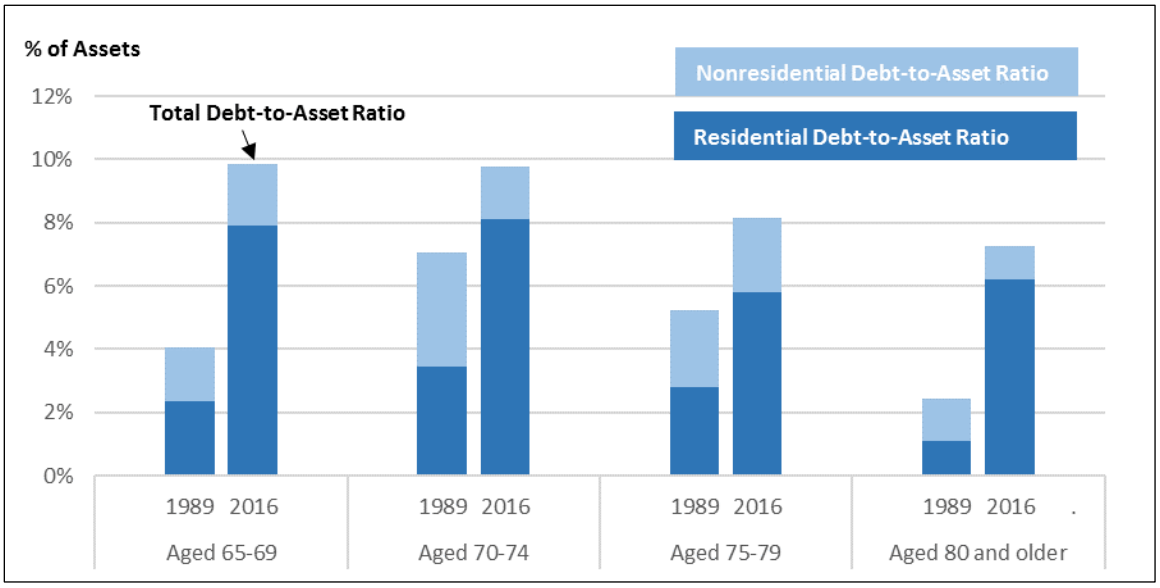
Source: CRS analysis of the SCF, 1989 and 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Other debts include lines of credit, installment loans, loans against pensions or life insurance, margin loans, and miscellaneous.

The Debt-to-Asset Ratio

The debt-to-asset ratio increased for all age groups among elderly households from 1989 to 2016, and the ratio increased the most among households headed by people aged 80 and older (see **Figure 8**). The debt-to-asset ratio among elderly households with any debt increased from 4.0% to 9.9% for households headed by those aged 65 to 69, from 7.1% to 9.8% for the age group 70-74, from 5.3% to 8.2% for the age group 75-79, and from 2.4% to 7.2% for the age group 80 and older. Residential debt explains the majority of the growth in total debt for every elderly household age group.

Figure 8. The Total Debt-to-Asset Ratio for Elderly Households with Debt by Age Groups, 1989 Versus 2016



Source: CRS analysis of the SCF, 1989 and 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Residential debt includes loans secured by a primary residence and other residential debt.

Increased Debt Among Elderly Households by Quintile of Total Assets

This section discusses changes in debt from 1989 to 2016 for elderly households with different asset levels. It is important to analyze changes in debt across the household asset distribution for several reasons. First, a small group of wealthy households hold high levels of assets and debt; thus, average measures may not accurately reflect less wealthy households' financial situation.[40] Second, elderly households are more likely than their nonelderly counterparts to draw down existing assets, such as withdrawing from retirement savings accounts and other investment accounts. Asset measurement may provide an important view of an elderly household's ability to afford debt obligations.

The change in household debt among elderly households from 1989 to 2016 varies widely across the household asset distribution. During this time period, elderly households in the middle of the asset distribution had a relatively larger growth in the probability of holding any debt, and those in the middle and the top of the asset distribution had the largest growth in median and average household debt. Elderly households in the bottom of the asset distribution usually held the least debt, but had the largest debt burden as reflected in the debt-to-asset ratio, whereas elderly households in the top of the asset distribution held the most debt, but had the smallest debt-to-asset ratio.

[40] As measured in the 2016 SCF, elderly households in the top quintile of total assets held 87% of the overall assets and 47% of the overall debt.

Share of Elderly Households Holding Debt and Median Debt

Table 4 presents data on household debt by quintile of the total asset distribution among the elderly household population. Each quintile represents 20% of the elderly household population. The first quintile depicts the 20% of the elderly household population with the least assets, and the fifth quintile depicts the 20% of elderly households with the most assets.

The share of elderly households that held some debt generally increased from 1989 to 2016 for all asset quintiles. Elderly households in the first asset quintile were generally least likely to hold debt, and the share of those households who held any debt increased from 36.2% to 49.5%. Elderly households in the second, third and fourth quintiles of total assets had the largest growth in the probability of holding any debt, with an increase of about 30 percentage points. The share of elderly households in the highest 20% of the asset distribution that held debt also increased from 37.3% in 1989 to 54.9% in 2016, but the increase was not as large as that among households in the middle of the asset distribution.

Table 4. Share of Elderly Households Holding Any Debt by Quintile of Total Assets, 1989 to 2016

(in percentages)

	Quintile of Total Assets				
Year	**First**	**Second**	**Third**	**Fourth**	**Fifth**
1989	36.2%	44.5%	36.5%	34.4%	37.3%
1992	35.7	49.5	42.0	44.2	43.4
1995	34.7	43.2	49.4	36.9	46.5
1998	29.7	46.5	31.7	36.8	48.3
2001	40.3	45.1	39.9	47.5	43.3
2004	40.2	57.6	54.8	47.0	47.7
2007	39.5	54.2	47.9	48.4	52.1
2010	41.5	56.4	57.2	52.8	53.6
2013	46.2	58.6	58.1	56.9	55.4
2016	49.5	77.7	64.8	58.9	54.9

Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Assets include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts. The quintile limits in real 2016 dollars are $26,122, $104,712, $203,379, and $466,465 in 1989 and are $77,670, $208,600, $401,500, and $1,001,020 in 2016.

Table 5 presents median debt among elderly households with any debt by quintile of total assets from 1989 to 2016. Median debt generally increased for elderly households in all asset quintiles, with a larger percentage increase for elderly households in the middle of the asset distribution. Real median debt (in 2016 dollars) increased by about three times for elderly households in the first and the fifth asset quintiles, and it increased by about four times or more for elderly households in the second, third, and fourth quintiles.

Table 5. Median Debt Among Elderly Households with Debt by Quintile of Total Assets, 1989 to 2016

(in 2016 dollars)

	Quintile of Total Assets				
Year	**First**	**Second**	**Third**	**Fourth**	**Fifth**
1989	$1,287	$4,086	$9,329	$11,195	$31,720
1992	1,442	6,842	5,031	11,739	31,227
1995	1,723	5,011	11,902	7,830	33,199
1998	2,066	12,689	23,460	29,509	37,034
2001	2,710	9,552	24,929	27,097	70,452
2004	6,105	12,756	38,153	50,871	54,051
2007	5,790	23,415	53,269	46,321	112,339
2010	6,632	43,893	46,590	43,108	165,799
2013	6,187	29,902	41,244	56,711	144,355
2016	5,400	27,300	44,200	57,500	127,000

Source: CRS analysis of the SCF, 1989 to 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Median debt is measured among elderly households with debt. Assets include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts. The quintile limits in real 2016 dollars are $26,122, $104,712, $203,379, and $466,465 in 1989 and are $77,670, $208,600, $401,500, and $1,001,020 in 2016.

Average Debt and Components of Debt

Average debt generally increased from 1989 to 2016 for elderly households across the asset distribution, but the magnitude of growth differed among asset quintiles (see **Table 6**). Real average debt (in 2016 dollars) for elderly households in the lowest asset quintile was approximately twice as much in 2016 compared to 1989, whereas average debt for elderly households in the second through the fourth asset quintiles was generally three times as much in 2016 as in 1989. Average debt for households in the highest asset quintile also doubled, with the largest real increase of about $135,000.

For households in the lowest asset quintile, the growth in average debt mainly resulted from growth in primary residential debt, credit card debt and auto loans. From 1989 to 2016, the increase in average primary residential debt contributed to 54% of the growth in average debt. The increase in average credit card debt explained about 30% of the growth in average debt among elderly households in the bottom asset quintile, and the increase in average auto loans explained almost 20% of the growth in average debt among those households.

The growth in debt among middle- and high-asset elderly households also mainly resulted from growth in residential debt. For higher-asset households, mortgage debt for second homes was also a part of this increase in debt. For households in the second through the fourth quintiles of total assets, growth in debt secured by primary residences generally accounted for about 80% of the growth in average debt. For households in the top asset quintile, growth in primary residential debt explained almost 70% of the growth in average debt, and the remaining 30% came mostly from other residential debt.

In addition, elderly households in the bottom asset quintile were more likely to have a higher proportion of debt held in other debt, including lines of credit, installment loans, loans against pensions or life insurance, margin loans, and miscellaneous, but the proportion decreased from 1989 to 2016. Elderly households in the first asset quintile on average held about 45% of their debt in other debt in 1989, and this proportion has declined to 20% in 2016.

Table 6. Average Debt Among Elderly Households with Debt by Asset Quintiles, 1989 Versus 2016

(in 2016 dollars)

Asset Quintile	Average Debt	Primary Residence	Other Residential	Auto Loan	Student Loan	Credit Card	Other Debt
			1989				
First	$5,276	$147	$0	$1,657	$0	$714	$2,758
Second	10,432	6,063	2	1,793	102	745	1,727
Third	21,971	14,320	0	3,693	0	3,190	767
Fourth	21,802	14,719	1,816	3,505	337	599	826
Fifth	92,432	30,743	13,380	1,753	241	452	45,864
			2016				
First	$12,631	$4,110	$9	$3,069	$271	$2,655	$2,518
Second	43,483	32,043	1,158	3,781	1,724	3,148	1,628
Third	69,678	57,895	985	5,713	963	3,442	680
Fourth	93,597	72,682	5,532	6,982	1,754	2,588	4,060
Fifth	228,100	127,549	55,044	6,963	1,733	3,223	33,588

Source: CRS analysis of the SCF, 1989 and 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Other debts include lines of credit, installment loans, loans against pensions or life insurance, margin loans, and miscellaneous. The top 1% of the sample with the highest credit card balance in 1989 is excluded from the calculation to mitigate the effect of outliers. Assets include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts. The quintile limits in real 2016 dollars are $26,122, $104,712, $203,379, and $466,465 in 1989 and are $77,670, $208,600, $401,500, and $1,001,020 in 2016.

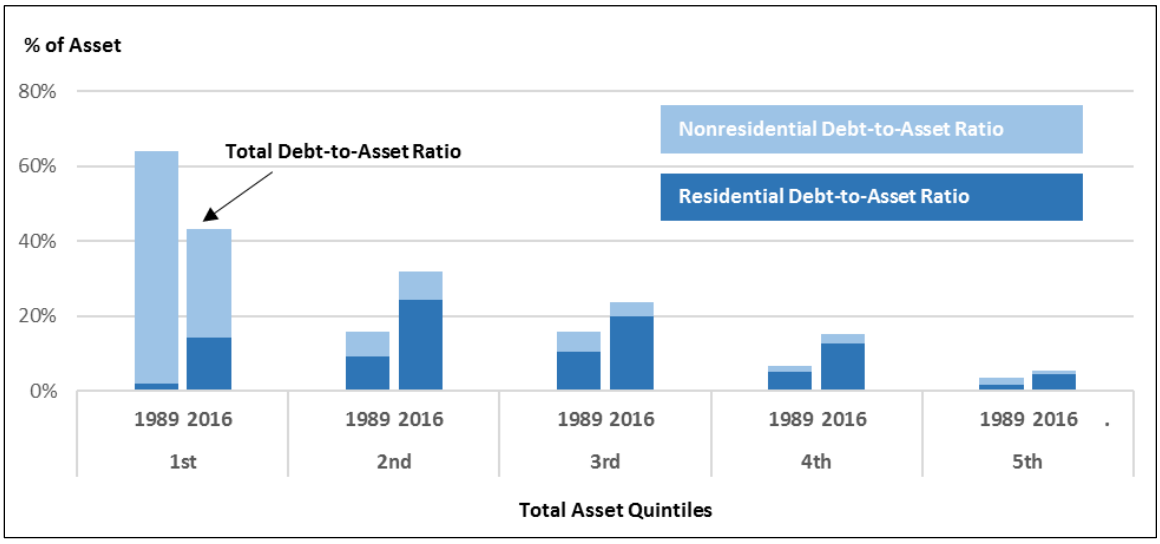
The Debt-to Asset-Ratio

Figure 9 displays the debt-to-asset ratio among elderly households with debt by total asset quintiles in 1989 and 2016, decomposed into residential and nonresidential debt-to-asset ratios. The debt-to-asset ratios for households in the lowest asset quintile decreased during this time, although the residential debt-to-asset ratio slightly increased. In 2016, however, elderly households in the bottom 20% of the asset distribution still had a 43% debt-to-asset ratio, and most of the debt was based on nonresidential loans, such as credit card debt, auto loans, and student loans, which are usually considered as less effective long-term wealth builder than residential loans.

Among households in the second through the fourth asset quintiles, the debt-to-asset ratio generally increased by around 10 percentage points from 1989 to 2016, with most of the increase in the residential debt-to-asset ratio. The debt-to-asset ratio increased slightly for elderly

households in the top asset quintile, primarily because of growth in the residential debt-to-asset ratio, including debt on both the primary residence and other residences.

Figure 9. The Debt-to-Asset Ratio for Elderly Households with Debt by Quintiles of Total Assets, 1989 Versus 2016



Source: CRS analysis of the SCF, 1989 and 2016.

Notes: Elderly households are those headed by individuals aged 65 and older. Residential debt includes loans secured by a primary residence and other residential debt. Nonresidential debt includes auto loans, student loans, credit card debt, and other debts. The height of the bar is the total debt-to-asset ratio. Assets include real assets, such as houses, automobiles, business interests, and personal properties, and financial assets, such as checking and savings accounts, retirement savings accounts, and investment accounts. The quintile limits in real 2016 dollars are $26,122, $104,712, $203,379, and $466,465 in 1989 and are $77,670, $208,600, $401,500, and $1,001,020 in 2016.

Conclusion

Debt among households headed by individuals aged 65 and older has increased substantially over the past 30 years. The share of elderly households who held any debt almost doubled, and median debt among households with debt increased by about four times.

Much of the rise in debt among older Americans is not necessarily associated with financial insecurity in retirement. Much of the change in debt among elderly households, across some age groups and through most of the asset distribution, is well balanced by their assets. As shown earlier, from 1989 to 2016, the debt-to-asset ratio among elderly households with debt increased from 5.1% to 9.0%. Individuals may also adjust behavior to meet their debt obligations. For instance, one study finds that both the presence and the level of debt increase the likelihood that older adults work and reduce the likelihood that they are retired.[41] Data from SCF also show that the percentage of elderly households with either head of the household or spouse working increased from 19.8% in 1989 to 29.7% in 2016.

[41] Barbara A. Butrica and Nadia S. Karamcheva, "Is Rising Household Debt Affecting Retirement Decisions?," prepared for presentation at the Pension Research Council Symposium (Philadelphia, PA), March 2019; and Donald Haurin, Cäzilia Loibl and Stephanie Moulton, "Debt Stress and Mortgage Borrowing in Older Age: Implications for Economic Security in Retirement," Presentation in the Retirement and Disability Research Consortium, August 2019.

Rising debt among certain elderly households, however, has shown signs of an increase in debt burden. For example, the debt-to-asset ratio among households headed by individuals aged 80 and older increased by 5 percentage points between 1989 and 2016, and the ratio among elderly households with middle-asset levels increased by more than 10 percentage points during the same time. Rising debt might be more problematic for persons aged 80 and older because they might be more vulnerable to income risks, as they are more likely to have lower or no earnings (as they phase out of the labor force),[42] exhaust existing retirement resources,[43] have reduced purchasing power in certain defined benefit pensions,[44] and incur higher medical expenses.[45] In addition, older Americans now hold historically high levels of housing debt, which might make them more vulnerable to housing market swings than previous cohorts of retirees. Therefore, in addition to retirement income and saving adequacy, debt management may also be an important determinant of retirement security.

Author Information

Zhe Li
Analyst in Social Policy

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[42] In 2017, about 8% of individuals aged 80 and older had some earnings, compared with 28% of individuals aged 65 to 79. In the same year, median earnings among those with any earnings were $23,940 for individuals aged 80 and older, compared with $30,000 for those aged 65 to 70. Data are based on CRS analysis of the 2018 the Consumer Population Survey's Annual Social and Economic Supplement.

[43] In 2016, about 42% of households headed by those aged 80 and older had some retirement assets (including defined benefit [DB] plans, Individual Retirement Accounts, and other tax-advantaged accounts), compared with 47% of households headed by those aged 65 to 79. The median retirement asset level among households with any assets was $100,000 for households headed by those aged 80 and older, compared with $130,000 for households headed by those aged 65 to 79. Data are based on CRS analysis of the 2016 SCF.

[44] A cost-of-living adjustment is provided in Social Security to mitigate the effects of inflation, but not in many DB pensions. In DB pensions in which the benefits are not adjusted by the cost of living, the purchasing power of periodic benefit payment will be eroded over time.

[45] The average amount of personal health care spending was $32,411 for individuals aged 85 and older in 2012, compared with $16,872 for those aged 65 to 84. See U.S. Centers for Medicare and Medicaid Services, NHE Fact Sheet, 2017, Age and Gender Tables, Table 7, at https://www.cms.gov/research-statistics-data-and-systems/statistics-trends-and-reports/nationalhealthexpenddata/nhe-fact-sheet.html.