



iStockphoto

# Auto-IRAs Could Help Retirees Boost Social Security Payments

Using savings to delay claiming the federal benefits could mean larger monthly checks in later years

## Overview

As the focus of the private sector retirement system has shifted in recent decades from traditional pensions to defined contribution plans, worker savings have played an increasingly critical role in ensuring retirement security. And that means workers must consider how best to use their investments. Retiring workers may be able to use their retirement savings, among other options, to delay the start of Social Security benefits. Postponing these initial claims can be beneficial: The increases in monthly Social Security benefit payments vary, but the gain from a year's delay can top 8 percent.

Many states are looking at setting up individual retirement accounts (IRAs) with automatic enrollment—known as auto-IRAs or Secure Choice programs—for private sector workers without workplace retirement savings plans. Half of U.S. states have considered establishing these IRAs and five—California, Connecticut, Illinois, Maryland, and Oregon—are implementing them. Under state auto-IRA programs, those without access to a retirement plan on the job are automatically enrolled and contribute a preset percentage of their wages or salaries. They can choose to opt out of the program or change the contribution percentage.

Savings in IRA accounts—whether state-sponsored or privately established—give workers more options as they reach retirement. For example, account owners could make regular withdrawals to supplement other retirement income, or they could convert their savings to annuities if appropriate. Retirees could use the balances as rainy day savings to cover large repairs, medical bills, or any other purpose.

This brief looks at the possibility of using auto-IRA balances to help delay taking Social Security. Specifically, auto-IRA participants who retire at age 62 could use their accounts as a short-term income source—and fund the first months or years of retirement with monthly withdrawals from these IRAs in amounts equal to the Social Security benefit that would have been available at that age.

When these workers claim Social Security at a later date, they then would receive a higher monthly benefit. For example, if a person retires at age 62 and is entitled to a \$700 monthly benefit from Social Security—and also has \$8,400 or more in a state auto-IRA account—he or she could withdraw \$700 a month from the IRA for a year. When the retiree claims Social Security at age 63, the benefit would be \$750 a month. (See Table 1.)

To examine the potential for using auto-IRAs to increase total retirement benefits, Pew worked with the Social Security Administration (SSA), which used its Modeling Income in the Near Term (MINT) microsimulation model. The simulation assumed the state auto-IRA plans had a 3 percent default contribution rate, meaning that 3 percent of workers' salaries would be contributed to the accounts starting in 2019 unless they take other action. The model takes into account workers' ability to opt out and the probability that some will contribute amounts different from the default. It also captures the demographic characteristics of those likely to take part in state-sponsored auto-IRAs. For example, research shows that workers who do not have access to a retirement plan on the job are more likely than the workforce as a whole to be young, members of minority groups, earning lower incomes, and working for smaller employers.<sup>1</sup>

Among the key findings:

- Participants in auto-IRA accounts could see Social Security benefit increases of nearly 7 percent to slightly more than 8 percent for each year they use their account savings to delay claiming these benefits.
- The modeling shows that by 2050, after a hypothetical state-sponsored auto-IRA program has been in effect for 31 years, almost 40 percent of participants could delay claiming Social Security by a year or more. One-fifth of all savers could delay starting these payments for at least two years.
- This strategy could boost Social Security payments for a wide range of people. For example, the modeling shows that Hispanic workers often could accumulate enough funds in their auto-IRA accounts to be able to delay taking Social Security for as long as, and sometimes longer than, other groups.
- Depending on their needs, many workers still might want or need to claim Social Security at age 62. Certain groups, such as unemployed workers, those with health problems that make work difficult or impossible, or those with lower-than-average life expectancy, may want to take their benefits sooner. The strategy, therefore, may not be appropriate for everyone.

## The Social Security connection

For people born in 1960 or later, the normal retirement age for Social Security is 67.<sup>2</sup> Those who start collecting benefits at an earlier age receive payments over a longer period than do those who start at age 67 or later. Because the Social Security benefit formula is structured to keep total lifetime benefits relatively constant in order to eliminate any financial advantages from claiming early, this translates into lower monthly benefits for those who take benefits earlier.<sup>3</sup> These reductions are permanent.

Table 1

### Actuarial Reduction to Social Security Benefits Claimed Before Normal Retirement Age of 67

An early start cuts into monthly income from the federal program

Age at claiming	Actuarial reduction to Social Security benefits	\$1,000 monthly benefit after actuarial reduction for early claiming	Percentage change in benefit from delaying claiming by 1 year
62	30.0%	\$700	
63	25.0%	\$750	7.1%
64	20.0%	\$800	6.7%
65	13.3%	\$867	8.4%
66	6.7%	\$933	7.6%
67 Normal retirement age		\$1,000	7.2%

Sources: Pew calculations and actuarial reduction amounts from Social Security Administration, "Retirement Planner: Full Retirement Age," <https://www.ssa.gov/planners/retire/retirechart.html>

© 2018 The Pew Charitable Trusts

That means that a worker who claims Social Security benefits at age 62 would receive 30 percent less in the monthly benefit, as shown in Table 1, than would someone claiming at age 67: The worker who starts collecting at age 62 would receive \$700 a month, compared with \$1,000 for the worker who waits until age 67. Delaying payments for a single year increases payments by about 7 to 8 percent, depending on the claimant's age.

Claiming benefits later therefore can mean significantly greater monthly and annual Social Security benefits.<sup>4</sup> Delaying the start of these payments can be especially advantageous to married couples, because when the recipient dies, the surviving spouse continues to receive the higher of the two spouses' benefits whether or not he or she was the primary earner.<sup>5</sup>

## Results from microsimulation modeling

At Pew's request, the SSA used its microsimulation model to explore how many retirees could use their auto-IRA accounts to delay claiming Social Security by one or more years.<sup>6</sup> The SSA modeled savings in auto-IRA plans assuming that participants contribute a default rate of 3 percent of their salaries to their accounts, with some eligible workers contributing more, some less, and some opting not to participate at all. In order to be eligible to participate in an auto-IRA plan in a given year, a worker must be over age 18, must work for an employer with 25 or more employees, and must not have access to a retirement savings plan or traditional pension through an employer. Workers were assumed to start contributing in 2019. The model assumes that account assets are invested in life cycle portfolios linked to worker age with allocations updated annually.<sup>7</sup>

Table 2 presents results for workers who contribute to auto-IRAs for one to 31 years. By 2030, a worker would have had the opportunity to contribute for 11 years, and by 2050 participating workers would have been able to contribute for 31 years. Many workers will contribute for less than the maximum possible years because workers are expected to enter and leave the auto-IRA program, depending on changes in their employment situation and whether the employers already offer retirement savings plans. The microsimulation modeling accounts for such changes in employment and pension coverage. Additionally, older workers who entered the auto-IRA system just a few years before retiring will have contributed for fewer years.

Still, the results indicate that a sizeable percentage of auto-IRA participants could use their account balances to delay claiming Social Security by at least a year. (See Table 2.) By 2050, 38.7 percent of workers in these programs could delay claiming Social Security by a year or more. A fifth of retirees could delay claiming for at least two years.

The outcomes are moderately progressive in that they show benefits for some groups that have a hard time saving in traditional retirement systems. For example, the modeling indicates that Hispanics would be able to use their auto-IRA accounts to delay claiming Social Security benefits for lengths of time similar to, if not greater than, other groups. This may be because Hispanic workers are less likely to work for an employer who offers a retirement plan,<sup>8</sup> so that Hispanics on average would participate in auto-IRA plans for longer periods of time than would other racial or ethnic groups—and therefore accumulate relatively higher auto-IRA balances. That money then could be used to delay Social Security benefits longer.

The analysis also shows that workers with the most education (a college or graduate degree) and the least education (less than a high school diploma) may be able to delay taking Social Security for longer periods than may others. For the highly educated, that is because of the interaction between higher earnings and Social Security's benefit structure. More education is associated with higher earnings,<sup>9</sup> and higher earners would contribute more to auto-IRAs each year they participate, subject to contribution limits.<sup>10</sup> At the same time, Social Security's benefit formula replaces less preretirement income for higher earners than for lower-income earners.<sup>11</sup> Because of these two factors, higher earners reach retirement with higher account balances that they could use to "buy" or replace more months of Social Security benefits. Compared with those with a college degree or more, workers with the least education tend to have less access to employer-provided pensions or savings plans and could participate for more years in a state-sponsored auto-IRA plan and accrue relatively higher balances.

Table 2

## Many Retirees Could Use Auto-IRAs to Delay Claiming Social Security

Ranks of those who could benefit grow over time

	2030			2040			2050		
	Percentage who could claim...		Median months a plan participant could delay claiming	Percentage who could claim...		Median months a plan participant could delay claiming	Percentage who could claim...		Median months a plan participant could delay claiming
	1 or more years later	2 or more years later		1 or more years later	2 or more years later		1 or more years later	2 or more years later	
<b>Total</b>	11.8%	5.4%	2	27.1%	11.4%	4	38.7%	19.9%	7
<b>Sex</b>									
<b>Women</b>	11.9%	5.7%	2	26.4%	11.1%	5	37.1%	18.8%	7
<b>Men</b>	11.8%	5.2%	2	27.8%	11.7%	4	40.5%	21.3%	8
<b>Ethnicity/race</b>									
<b>Hispanic</b>	13.9%	6.9%	4	30.4%	11.8%	6	44.2%	21.9%	10
<b>White</b>	10.9%	5.4%	2	25.5%	11.1%	4	35.8%	18.6%	6
<b>Black</b>	12.6%	3.9%	3	26.4%	9.8%	4	38.0%	19.5%	8
<b>Other*</b>	13.7%	5.6%	2	31.0%	14.9%	5	43.5%	24.2%	9
<b>Education</b>									
<b>Graduate degree</b>	20.1%	6.2%	2	38.2%	17.4%	7	45.8%	26.2%	10
<b>Bachelor's degree</b>	14.7%	9.3%	2	33.6%	18.4%	5	40.7%	23.5%	7
<b>Associate degree</b>	8.1%	3.9%	2	21.1%	8.8%	3	34.4%	17.8%	6
<b>High school diploma</b>	11.5%	4.9%	2	25.1%	9.0%	4	37.1%	18.1%	7
<b>Less than high school diploma</b>	13.1%	5.7%	4	30.4%	11.7%	6	43.9%	20.9%	9
<b>Household income quintile</b>									
<b>Lowest</b>	9.2%	3.2%	2	22.7%	7.4%	4	35.4%	15.0%	7
<b>2nd</b>	10.0%	5.0%	2	23.2%	9.2%	4	37.6%	19.3%	7
<b>3rd</b>	13.6%	5.7%	2	31.7%	14.6%	5	39.3%	21.1%	7
<b>4th</b>	14.4%	7.0%	3	30.0%	14.1%	5	42.1%	25.0%	8
<b>Highest</b>	13.5%	7.5%	2	31.6%	14.8%	5	41.91%	23.0%	8
<b>Poverty</b>									
<b>Above poverty</b>	11.7%	5.4%	2	27.4%	11.7%	4	39.0%	20.2%	7
<b>In poverty</b>	13.8%	5.7%	3	22.0%	7.1%	5	32.3%	14.7%	6

\* "Other" includes Asian and Native American workers.

Note: Results are presented for workers who would have participated in an auto-IRA for one year or more, have retired and accessed their auto-IRA, are receiving Social Security benefits, and are 60 or older. The model projects retirement ages for workers based on historical probabilities, derived from publicly available national datasets matched to Social Security administrative data, and based on many factors including marital status, Social Security replacement rate, earnings and pension accruals, age, education, health, and financial assets. Results represent workers who have reached at least age 60 in 2030, 2040, or 2050, although some auto-IRA participants who are modeled as continuing to work beyond age 60 and thus have not accessed their auto-IRA yet, or have not yet claimed Social Security benefits, are not represented in these results.

Source: Social Security Administration, results from Modeling Income in the Near Term microsimulation model, January 2018

## Other considerations

The strategy of using auto-IRAs to delay claiming Social Security may not suit everyone. Many workers will still want or need to start receiving Social Security benefits at age 62. Some may be unemployed or underemployed, and need the income; others may face the possibility of dying early, and therefore might not benefit from delaying the start of Social Security. Others may need to claim Social Security before the normal retirement age because of health problems that are not severe enough to warrant qualification for Social Security Disability Insurance. For those workers who need to claim Social Security benefits early, the money in an auto-IRA account then could provide a rainy day fund or a modest addition to retirement income.<sup>12</sup>

Retirees with lower-than-average life expectancies would be able to increase monthly benefits using this strategy, but doing so could have other implications. They might receive lower total benefits over their lifetimes because Social Security's actuarial adjustments for different claiming ages are calculated to provide a constant level of lifetime benefits for retirees with average lifespans. For a person with a shorter life expectancy in retirement, higher monthly benefits over a shorter-than-average lifespan could mean lower total lifetime benefits.

Social Security will face a financial shortfall in the coming decades, with the impact likely to be felt starting in 2034. Under the current structure, the program will be able to pay only about 77 percent of scheduled benefits that year, leaving many of those claiming benefits in potential limbo.<sup>13</sup> That could affect how those with auto-IRAs who turn 62 around that time approach their Social Security benefits. It is not clear how Congress will address the Social Security shortfall: Possible solutions include benefit cuts, payroll tax increases, or infusions of cash into the program. Policymakers may or may not act to shore up the system, which boosts the need to help workers build retirement resources through their own savings.

## Conclusion

Although many workers link retiring from the workforce with starting Social Security benefits, the two are actually independent of one another. The state-sponsored auto-IRA accounts either under consideration by policymakers or already being implemented have the potential to help workers leave the workforce when they choose: Their IRA savings could help meet their day-to-day needs if they decide to delay claiming Social Security. This approach may not be appropriate for all, but for those who could take advantage of it, the strategy could mean higher Social Security payments later in their retirement years.

## Acknowledgments

At the Social Security Administration, Dave Shoffner capably ran the MINT model using parameters derived from public use datasets and agreed-upon assumptions related to auto-IRA implementation. Mark Sarney and Shoffner provided valuable input and comments throughout the research and writing process. We are grateful for their patient and enthusiastic collaboration on this project.

## Methodology

The Social Security Administration used its Modeling Income in the Near Term (MINT) microsimulation model to produce the data in this brief. In order to forecast retirement income, MINT projects work histories, mortality, marital status, and disability status for all individuals in the simulation on a national level. The SSA's modeling for this project incorporates several assumptions. Specifically, in order to be eligible to participate in an auto-IRA plan, a worker must be over age 18, must work for an employer with 25 or more employees, and must not have access to a retirement savings plan or traditional pension through an employer. Workers are assumed to start participating in 2019. Rates of participation in auto-IRA plans are based on results of Pew's survey of employees, "Worker Reactions to State-Sponsored Auto-IRA Programs."<sup>14</sup> Workers are assumed to access their accounts at retirement, which in the MINT model is interpreted as working less than 20 hours a week. Results are calculated on a national basis. Income quintiles are as follows (in real 2015 dollars):

Household income quintile	2030	2040	2050
1st	\$0-\$30,478	\$0-\$31,840	\$0-\$33,157
2nd	\$30,478-\$57,224	\$31,840-\$58,657	\$33,157-\$60,527
3rd	\$57,224-\$97,521	\$58,657-\$100,367	\$60,527-\$103,985
4th	\$97,521-\$175,526	\$100,367-\$188,178	\$103,985-\$200,444
5th	\$175,526+	\$188,178+	\$200,444+

Source: Social Security Administration

© 2018 The Pew Charitable Trusts

## Endnotes

- 1 The Pew Charitable Trusts, "Who's In, Who's Out" (2016), [http://www.pewtrusts.org/-/media/assets/2016/01/retirement\\_savings\\_report\\_jan16.pdf](http://www.pewtrusts.org/-/media/assets/2016/01/retirement_savings_report_jan16.pdf); The Pew Charitable Trusts, "Preparing for Retirement: More Findings From a Survey of Public Workers on Retirement Benefits" (2015), <http://www.pewtrusts.org/-/media/assets/2015/10/statelocalemployeesurvey-report.pdf>.
- 2 For a complete schedule of normal retirement ages by year of birth, see Social Security Administration, "Normal Retirement Age," <https://www.ssa.gov/OACT/ProgData/nra.html>.
- 3 For the first 36 months (three years) benefits are claimed before the normal retirement age (NRA), they are reduced by five-ninths of 1 percent for every month before the NRA. The total reduction for the first 36 months is 20 percent. For every additional month below the NRA, the benefit is reduced by 20 percent plus five-twelfths of 1 percent. For more information, see Social Security Administration, "Program Operations Manual System," <https://secure.ssa.gov/apps10/poms.nsf/lnx/0300615101>.
- 4 Gila Bronshtein et al., "Leaving Big Money on the Table: Arbitrage Opportunities in Delaying Social Security" (2016), <http://siepr.stanford.edu/system/files/Bronshtein%20Scott%20Shoven%20Slavov-Arbitrage%20opportunities%20in%20delaying%20SS%20Sept12.pdf>.
- 5 Jeffrey Diebold, Jeremy Moulton, and John Scott, "Early Claiming of Higher-Earning Husbands, the Survivor Benefit, and the Incidence of Poverty Among Recent Widows," *Journal of Pension Economics and Finance* 16, no. 4 (2017): 485-508, doi:10.1017/S1474747215000438.
- 6 For more information on the Social Security Administration's Modeling Income in the Near Term model, see the Urban Institute Urban Institute, "A Primer on Modeling Income in the Near Term, Version 7 (MINT7)" (2013), [https://www.urban.org/research/publication/primer-modeling-income-near-term-version-7-mint7/view/full\\_report](https://www.urban.org/research/publication/primer-modeling-income-near-term-version-7-mint7/view/full_report).

- 7 Annual real rates of return are assumed to be 2.9 percent for government bonds, 3.4 percent for corporate bonds, and 6.4 percent for stocks. Annual administrative fees are 0.75 percent of assets.
- 8 The Pew Charitable Trusts, “Who’s In, Who’s Out.” Only 38 percent of Hispanic workers reported having access to an employer-based retirement plan, compared with 63 percent of white non-Hispanic workers, 56 percent of black non-Hispanic workers, and 55 percent of Asian non-Hispanic workers.
- 9 See Bureau of Labor Statistics, “Unemployment Rates and Earnings by Educational Attainment, 2016,” “Unemployment Rates and Earnings by Educational Attainment, 2016,” last modified Oct. 24, 2017, [http://www.bls.gov/emp/ep\\_chart\\_001.htm](http://www.bls.gov/emp/ep_chart_001.htm) [http://www.bls.gov/emp/ep\\_chart\\_001.htm](http://www.bls.gov/emp/ep_chart_001.htm); and Anthony P. Carnevale, Stephen J. Rose, and Ban Cheah, “The College Payoff: Education, Occupations, Lifetime Earnings,” Georgetown University Center on Education and the Workforce (2011), <https://cew.georgetown.edu/cew-reports/the-college-payoff>. Note that the differences in lifetime earnings may in part reflect the underlying capabilities and characteristics of those individuals obtaining additional formal education and cannot be wholly attributed to the degree itself.
- 10 In 2017, individual retirement account contributions were capped at \$5,500 per worker. Workers over age 50 were permitted to contribute an additional \$1,000, bringing their limit to \$6,500.
- 11 Michael Clingman, Kyle Burkhalter, and Chris Chaplain, “Replacement Rates for Hypothetical Retired Workers,” Social Security Administration, Actuarial Note No. 2017.9 (2017), <https://www.ssa.gov/oact/NOTES/ran9/an2017-9.pdf>.
- 12 Workers who claim Social Security before the normal retirement age are also subject to the retirement earnings test (RET). This provision reduces a person’s benefit by \$1 for every \$2 of earnings over an exempt amount. In 2017, this exempt amount was \$16,920, although this threshold rises every year with the average wage index. Amounts withheld under the RET are returned to the worker, in the form of higher benefits, after he or she reaches the normal retirement age.
- 13 The Board of Trustees of the Federal Old-Age and Survivors Insurance and Federal Disability Insurance Trust Funds, 2017 report, July 13, 2017, <https://www.ssa.gov/oact/TR/2017/tr2017.pdf>.
- 14 The Pew Charitable Trusts, “Worker Reactions to State-Sponsored Auto-IRA Programs” (2017), <http://www.pewtrusts.org/en/research-and-analysis/reports/2017/10/worker-reactions-to-state-sponsored-auto-ira-programs>.

---

## For further information, please visit:

[pewtrusts.org/retirementsavings](http://pewtrusts.org/retirementsavings)

---

**Contact:** Benny Martinez, officer, communications

**Email:** [bmartinez@pewtrusts.org](mailto:bmartinez@pewtrusts.org)

**Phone:** 202-540-6533

**Project website:** [pewtrusts.org/retirementsavings](http://pewtrusts.org/retirementsavings)

---

The Pew Charitable Trusts is driven by the power of knowledge to solve today’s most challenging problems. Pew applies a rigorous, analytical approach to improve public policy, inform the public, and invigorate civic life.