

ICI RESEARCH REPORT

Defined Contribution Plan Participants' Activities, First Half 2018

NOVEMBER 2018

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Defined Contribution Plan Participants' Activities, First Half 2018

Sarah Holden, ICI senior director of retirement and investor research, and Daniel Schrass, ICI economist, prepared this report.

Key Findings

DC plan withdrawal activity in the first half of 2018 remained low and was similar to the activity observed in the first half of 2017. In 2018:H1, 2.2 percent of DC plan participants took withdrawals, the same share as in 2017:H1. Levels of hardship withdrawal activity also remained low. Only 0.9 percent of DC plan participants took hardship withdrawals during 2018:H1, the same share as in 2017:H1.

The vast majority of DC plan participants continued contributing to their plans in 2018:H1. In 2018:H1, 1.4 percent of DC plan participants stopped contributing, compared with 1.6 percent in 2017:H1.

Most DC plan participants stayed the course with their asset allocations as stock values generally rose during the first six months of the year. In the first half of 2018, 7.1 percent of DC plan participants changed the asset allocation of their account balances, compared with 6.8 percent in 2017:H1. In the first half of 2018, 4.0 percent changed the asset allocation of their contributions, compared with 4.3 percent in 2017:H1. These levels of activity are similar to activity observed in the same time frame a year earlier.

DC plan participants' loan activity was little changed at the end of June 2018. The percentage of DC plan participants with loans outstanding in the first quarter of the year tends to be lower compared with later quarters. At the end of June 2018, 16.5 percent of DC plan participants had loans outstanding, compared with 16.4 percent at the end of March 2018 and 16.7 percent at year-end 2017.

Introduction

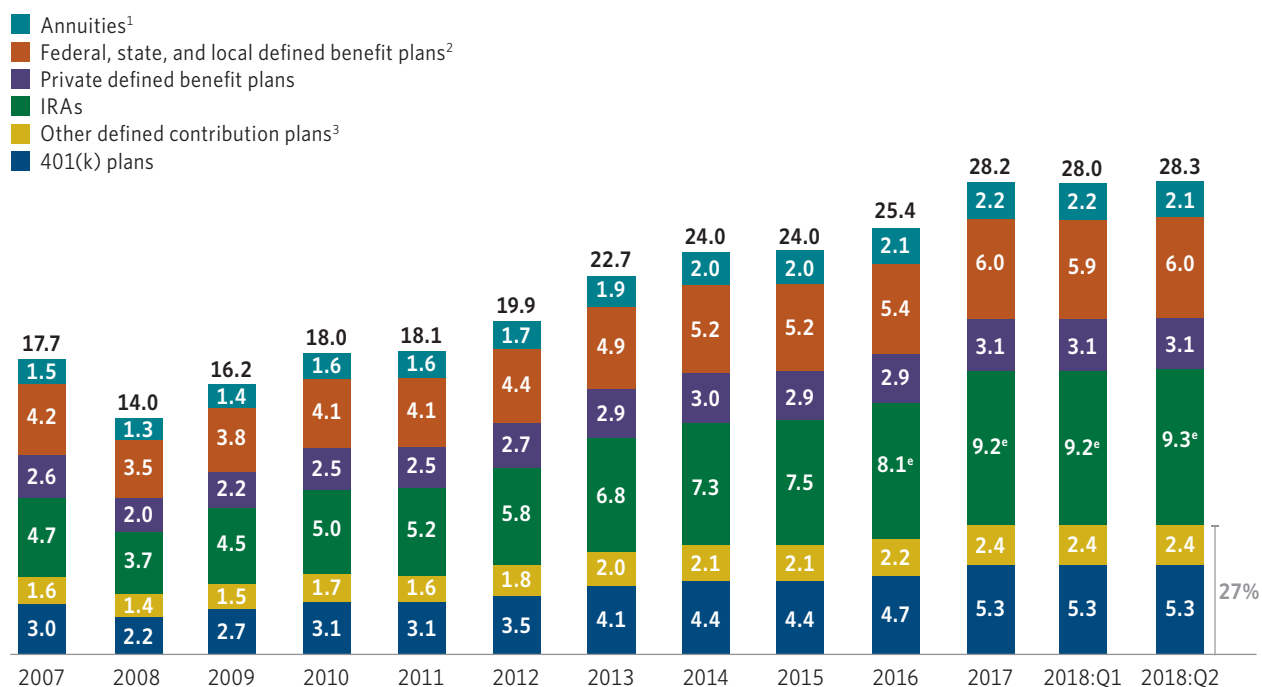
Defined contribution (DC) plan assets are a significant component of Americans' retirement assets, representing 27 percent of the total retirement market (Figure 1) and almost one-tenth of US households' aggregate financial assets at the end of the second quarter of 2018.¹ To measure participant-directed changes in DC plans, ICI has been tracking participant activity through recordkeeper surveys since 2008. This report updates results from ICI's survey of a cross section of recordkeeping firms representing a broad

range of DC plans and covering more than 30 million employer-based DC retirement plan participant accounts as of June 2018. The broad scope of the recordkeeper survey provides valuable insights about recent withdrawal, contribution, asset allocation, and loan decisions of participants in these plans. The most recent survey covered DC plan participants' activities in the first six months of 2018.² In this period, stock prices generally rose (Figure 2); on net, the S&P 500 total return index was up 2.6 percent in the first half of 2018.

FIGURE 1

27 Percent of US Retirement Assets Were Defined Contribution Plan Assets

Trillions of dollars; end-of-period, selected periods



¹ Annuities include all fixed and variable annuities held outside of retirement plans and IRAs.

² Federal pension plans include US Treasury security holdings of the civil service retirement and disability fund, the military retirement fund, the judicial retirement funds, the Railroad Retirement Board, and the foreign service retirement and disability fund. These plans also include securities held in the National Railroad Retirement Investment Trust.

³ Other DC plans include 403(b) plans, 457 plans, the Federal Employees Retirement System (FERS) Thrift Savings Plan (TSP), and private employer-sponsored DC plans without 401(k) features.

^e Data are estimated.

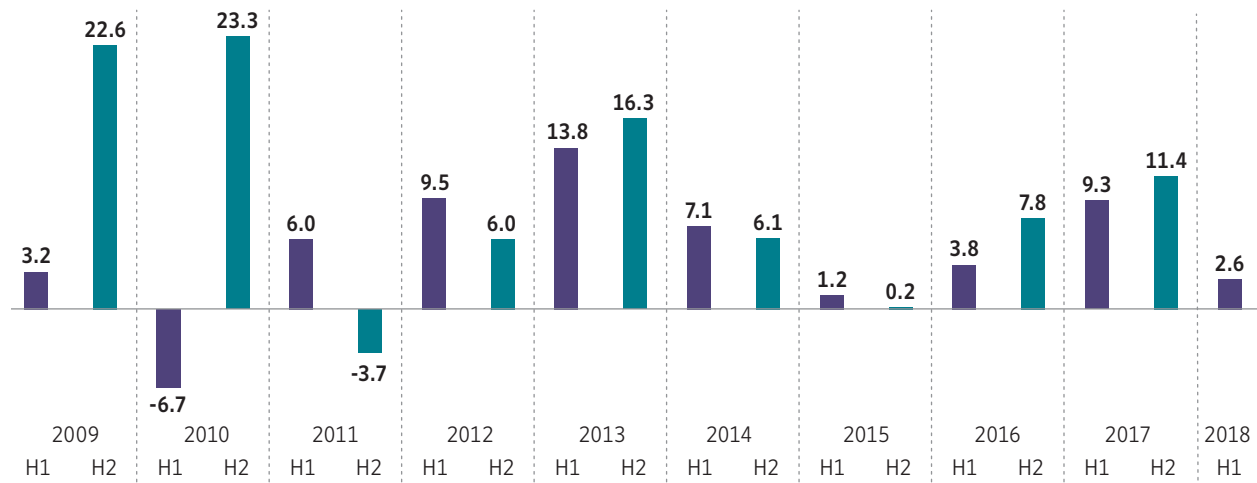
Note: Components may not add to the total because of rounding.

Sources: Investment Company Institute, Federal Reserve Board, Department of Labor, National Association of Government Defined Contribution Administrators, American Council of Life Insurers, and Internal Revenue Service Statistics of Income Division; see Investment Company Institute 2018

FIGURE 2

Equity Returns

Percent change in the S&P 500 total return index, 2009:H1-2018:H1



Note: The S&P 500 total return index consists of 500 US stocks chosen for market size, liquidity, and industry group representation.

Sources: Investment Company Institute, Bloomberg, and Standard & Poor's

DC Plan Participants' Activities in 2018:H1

The withdrawal and contribution data indicate that essentially all DC plan participants continued to save in their retirement plans at work. DC plan participants' withdrawal activity during the first half of 2018 was in line with activity observed during the first half of the prior year, and a negligible share of participants stopped contributing during 2018:H1.³ In the first

half of 2018, 2.2 percent of DC plan participants took withdrawals from their DC plan accounts, with 0.9 percent taking hardship withdrawals (Figure 3, top panel).⁴ These levels of activity are the same as those observed in the first half of 2017. In 2018:H1, 1.4 percent of DC plan participants stopped making contributions, compared with 1.6 percent in 2017:H1 (Figure 3, middle panel). It is possible that some of these participants stopped contributing simply because they reached the annual contribution limit.

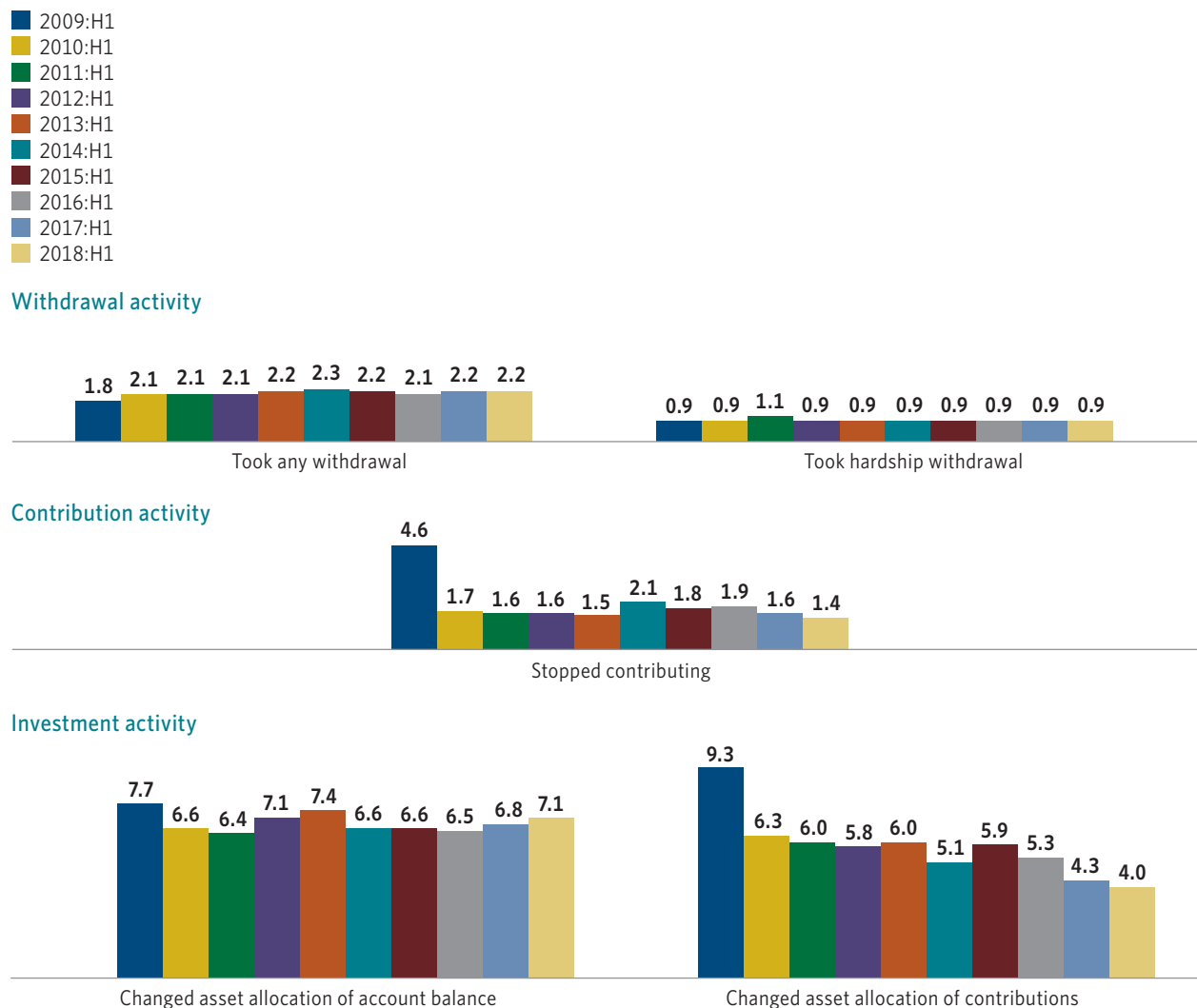
The survey of recordkeeping firms also gathered information about asset allocation changes in DC account balances or contributions. During the first six months of 2018, 7.1 percent of DC plan participants had changed the asset allocation of their account balances, compared with 6.8 percent in 2017:H1

(Figure 3, lower panel).⁵ Reallocation activity regarding contributions also was similar to the rate observed in 2017:H1; 4.0 percent of DC plan participants had changed the asset allocation of their contributions in 2018:H1, compared with 4.3 percent in 2017:H1.

FIGURE 3

Defined Contribution Plan Participants' Activities

Summary of recordkeeper data, percentage of participants



Note: The samples include nearly 24 million DC plan participants in 2009-2014; more than 26 million in 2015; about 28 million in 2016; and more than 30 million in 2017 and 2018. Activity reported covers the first half of each year indicated.

Source: ICI Survey of DC Plan Recordkeepers (first half, 2009-2018)

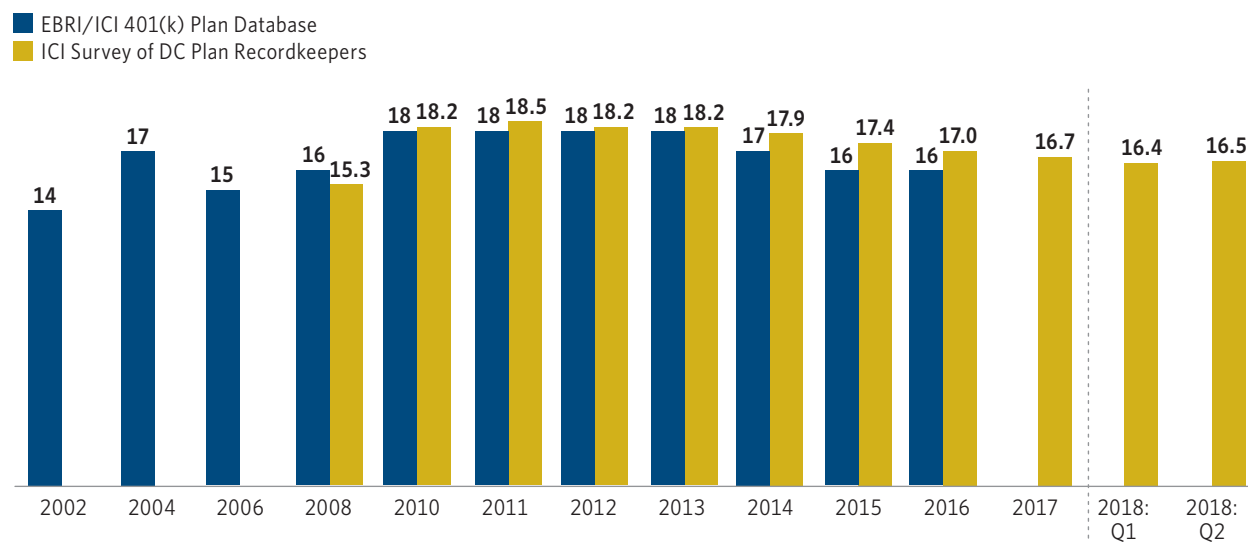
Two factors appear to influence DC plan participants' loan activity: reaction to financial stresses and a seasonal pattern.⁶ Likely responding to financial stresses, the percentage of DC plan participants with loans outstanding rose from the end of 2008 (15.3 percent) through 2011 (18.5 percent) (Figure 4).⁷ This pattern of activity is similar to that observed in the wake of the bear market and recession in the early 2000s.⁸ The share of DC plan participants with loans outstanding then leveled out in 2012 through 2015, perhaps reflecting loans supporting consumer spending

or home purchases. The sample of recordkeepers reported that as of June 2018, 16.5 percent of DC plan participants had loans outstanding, compared with 16.4 percent at the end of March 2018, and 16.7 percent at year-end 2017. Loan activity appears to have a quarterly seasonal pattern: the percentage of DC plan participants with loans outstanding in the first quarter of the year tends to be lower compared with later quarters (Figure 5). Nevertheless, loan activity was little changed in 2018:Q2.

FIGURE 4

401(k) Loan Activity

Percentage of 401(k) plan participants who had loans outstanding; end-of-period, selected periods



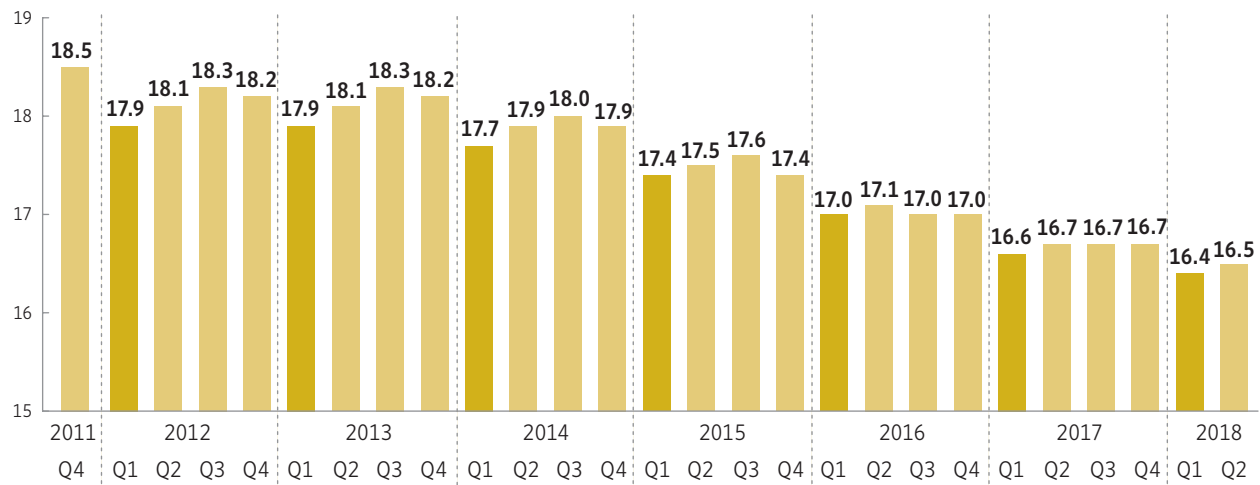
Note: The EBRI/ICI data cover 401(k) plans; the ICI Survey of DC Plan Recordkeepers covers DC plans more generally (although 401(k) plans make up the bulk of DC plans).

Sources: EBRI/ICI Participant-Directed Retirement Plan Data Collection Project (2002–2016) and ICI Survey of DC Plan Recordkeepers (December 2008–June 2018)

FIGURE 5

401(k) Loan Activity Tends to Edge Down in the First Quarter, Then Edge Up

Percentage of DC plan participants who had loans outstanding; end-of-period, 2011:Q4-2018:Q2



Note: This figure reports loan activity on a quarterly basis (the most recent quarters also are shown in Figure 4). The vertical axis ranges from 15 to 19 percent to highlight the seasonal variation in 401(k) loan activity.

Source: ICI Survey of DC Plan Recordkeepers (December 2011-June 2018)

Additional Reading

- » **American Views on Defined Contribution Plan Saving, 2017**
www.ici.org/pdf/ppr_18_dc_plan_saving.pdf
- » **The Economics of Providing 401(k) Plans: Services, Fees, and Expenses, 2017**
www.ici.org/pdf/per24-04.pdf
- » **ICI Resources on 401(k) Plans**
www.ici.org/401k
- » **ICI Resources on the Retirement System**
www.ici.org/retirement

Notes

- ¹ Total financial assets of US households were \$87.8 trillion at the end of 2018:Q2. See US Federal Reserve Board 2018.
- ² This report presents withdrawal, contribution, and asset allocation activity during the first half of 2018 and compares the results to earlier periods covering the first half of the year. Caution should be exercised when comparing the results from the surveys for different periods. Data should only be compared for similar periods—evaluating periods that are similar in terms of length and timing during the year allows us to focus on the relevant variables. For example, if there are any effects that are typical for the beginning of the year (e.g., people getting bonuses to invest, profit-sharing contributions occurring in the first quarter, people reacting to upcoming taxes, people reacting to past holiday spending), then it is essential to compare periods that also may experience these “seasonal” effects. In addition to seasonal effects, DC plan participant activity may be influenced by cyclical factors (e.g., recent stock market returns). Because some participants may visit their asset allocations at the beginning of the year and not again, it is not possible to translate the year-to-date figures into an estimate of activity for the whole year. For annual activity through 2017, see Holden and Schrass 2018.
- ³ The recordkeepers typically remove participants who are no longer working for the employer sponsoring the plan. It would not be correct to include such separated, retired, or terminated participants, because they cannot contribute. The goal of the survey is to measure the activity of active DC plan participants.
- ⁴ There are two possible types of withdrawals from DC plans: nonhardship and hardship. Generally, participants withdrawing after age 59½ are categorized as nonhardship withdrawals. A participant seeking a hardship withdrawal must demonstrate financial hardship and generally faces a 10 percent penalty on the taxable portion of the withdrawal. If a plan allows loans, participants are generally required to first take a loan before they are permitted to take a hardship withdrawal.
- ⁵ Annual rates of account balance reallocation activity observed in the ICI Survey of DC Plan Recordkeepers for 2008–2017 (see Holden and Schrass 2018) are consistent with the behavior observed in earlier years in other data sources. Historically, recordkeepers find that in any given year, DC plan participants generally do not rebalance in their accounts (for references to this research, see note 80 in Holden, Brady, and Hadley 2006; and discussion of changes in asset allocation and note 34 in Holden et al. 2018).
- ⁶ See note 2 for an explanation of seasonal effects.
- ⁷ The EBRI/ICI 401(k) database update reports loan activity among 401(k) participants in plans that allow loans. At year-end 2016, 86 percent of participants in the database were in plans that offer loans; among those participants, 19 percent had loans outstanding at year-end 2016. This translates to 16 percent of all active 401(k) participants having loans outstanding. The year-end 2016 EBRI/ICI database includes statistical information about 27.1 million 401(k) participants in 110,794 plans, with \$2.0 trillion in assets. See Holden et al. 2018.
- ⁸ The National Bureau of Economic Research dates the recession earlier in the decade to have occurred between March 2001 and November 2001. The latest recession was dated to have occurred between December 2007 and June 2009. See National Bureau of Economic Research 2010. For 401(k) plan participant loan activity from 1996 through 2016, see Holden et al. 2018.

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Sarah Holden



Sarah Holden, ICI senior director of retirement and investor research, leads the Institute's research efforts on investor demographics and behavior and retirement and tax policy. Holden, who joined ICI in 1999, heads efforts to track trends in household retirement saving activity and ownership of funds as well as other investments inside and outside retirement accounts. She is responsible for analysis of 401(k) plan participant activity using data collected in a collaborative effort with the Employee Benefit Research Institute (EBRI), known as the EBRI/ICI Participant-Directed Retirement Plan Data Collection Project. In addition, she oversees The IRA Investor Database™, which contains data on more than 17 million IRA investors and allows analysis of IRA investors' contribution, rollover, conversion, and withdrawal activity, and asset allocation. Before joining ICI, Holden served as an economist at the Federal Reserve Board of Governors. She has a PhD in economics from the University of Michigan and a BA in mathematics and economics, *cum laude*, from Smith College.

Daniel Schrass



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