

If a Tree Falls in a Forest ...

ECONOMY

2 Without government economic data, navigating the shutdown is tricky for institutional investors, asset managers, and others. Estimates of the impact of the shutdown are necessarily imprecise, but the CBO projects a potential hit to 4Q25 GDP of 1 to 2 percentage points.

The Fed Cut Rates; Aggregate Gains

FIXED INCOME

8 U.S. fixed income rose after the Fed's rate cut, and falling yields supported bonds and credit. Global central banks stayed data-dependent; the U.S. dollar strengthened slightly, and emerging market debt saw continued spread tightening.

Private Credit Growth Persists

PRIVATE CREDIT

12 Private credit outperformed public credit as spreads compressed and yields stayed attractive; fundraising favored direct lending and specialty finance, banks re-entered syndication, and investors rotated toward riskier high-yield credits amid low defaults.

Gains Continue; Can't Catch Benchmark

INSTITUTIONAL INVESTORS

4 All Institutional investor types posted gains but could not match the 60% stocks/40% bonds benchmark. The focus of institutional investors has been on the Fed after the September rate cut and whether another cut is coming before year-end.

Sector Appreciation Mostly Positive

REAL ESTATE/REAL ASSETS

10 Real estate valuations appear to have bottomed, with income returns and sector performance stabilizing. REITs still struggle compared to equities. Transaction activity is on the rise and dry powder exceeds \$230 billion in North America. Infrastructure fundraising momentum rebounds.

Another Strong Quarter

HEDGE FUNDS/MACs

13 Equity hedge strategies benefited from the AI-driven rally in growth stocks. Macro strategies benefited from positions in gold, equities, and rates. Event-driven funds gained as M&A activity picked up; relative value strategies advanced on opportunities from the Fed rate cut.

AI Bouys U.S. Equity Markets

EQUITY

6 U.S. stocks rose strongly on earnings and AI strength, with most sectors up and small caps outperforming. Global ex-U.S. equities trailed in 3Q but remain ahead YTD, led by emerging markets and China, while currency benefits faded.

Steady Gains

PRIVATE EQUITY

11 Private equity delivered steady gains and aligned returns, while VC/growth trailed over three years. Fundraising fell and remains bifurcated. Deal volume is up but concentrated in mega AI-driven transactions. Buyout valuations hit decade lows as IPO and exits improved.

DC Index Rises 8.4% in 2Q25

DEFINED CONTRIBUTION

15 The Callan DC Index™ had a trailing one-year return to 12.6%. Balances within the DC Index rose by 7.8% after a 1.9% decrease in the previous quarter. Investment gains (8.4%) were the primary cause as net flows (-0.6%) were negligible.

Broad Market Quarterly Returns

U.S. Equity
Russell 3000



8.2%

Global ex-U.S. Equity
MSCI ACWI ex USA



6.9%

U.S. Fixed Income
Bloomberg Agg



2.0%

Global ex-U.S. Fixed Income
Bloomberg Global Agg ex US



-0.6%

Sources: Bloomberg, FTSE Russell, MSCI

If a Tree Falls in a Forest ...

ECONOMY | Jay Kloepfer

Estimates of the number of furloughed federal workers due to the government shutdown that started on Oct. 1 (ongoing as we write this) vary from 600,000 to 900,000, while what sounds more like a guess of the number of workers compelled to work without pay ranges from 600,000 to 2 million. These estimates must be taken with a large grain of salt, because the source is of course not the federal government, but actors with a stake in the current political developments: public policy research organizations, political parties, and politicians themselves.

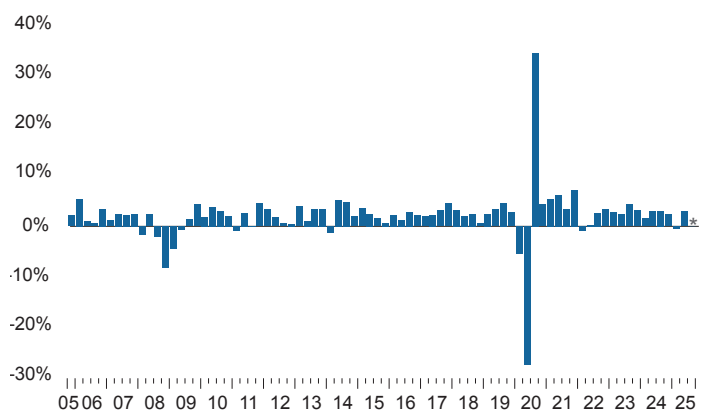
The Congressional Budget Office serves as a research body for all members of the elected Congress and was established as a counter to the Office of Management and Budget, which serves the executive branch in budget debates. The CBO is clearly a political body, so keep that in mind, but it has the resources to conduct thorough analyses of federal spending. The CBO estimates of the impact of the shutdown, dated Oct. 29, have been more measured than some of those floated by policy organizations and politicians, and the CBO accounts in detail for the impact of the length of the shutdown. The CBO estimates the number of furloughed workers at 650,000, and the number compelled to work without pay at 600,000, the very low end of the range of speculation. Delayed spending for a six-week shutdown is estimated to total \$54 billion, with two-thirds of that hitting government spending on goods and services (\$38 billion) and delayed compensation totaling \$16 billion.

As the shutdown drags on, programs like SNAP (food stamps) lose funding (current cutoff date is Nov. 1). According to the U.S. Department of Agriculture, 42 million people received monthly SNAP benefits in 2024. The average benefit per person was \$187, so that adds up to almost \$8 billion in spending per month.

The macroeconomic impact of the shutdown includes spending put off by households hit by delayed compensation, suspended government outlays, and consumer spending funded by programs like SNAP. The CBO estimate of the hit to the economy is between 1 and 2 percentage points of GDP growth in 4Q25, with the expectation that spending will almost fully recover when the shutdown ends. The uncertainty imposed on households from withheld wage payments

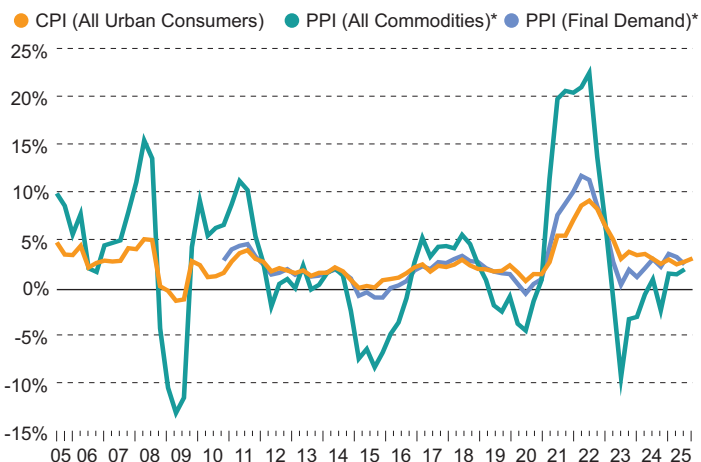
Quarterly Real GDP Growth

(20 Years)



Source: Bureau of Economic Analysis. 3Q25 data not available at time of publication.

Inflation Year-Over-Year



Source: Bureau of Labor Statistics. *not available at time of publication.

and benefits is harder to quantify. While workers are furloughed or compelled to work without pay as essential employees, it should be noted that the members of the U.S. House and Senate are still being paid. Assuming the shutdown is resolved within the fourth quarter, the economic impact will indeed be temporary, with a spring back in higher-than-usual economic activity once spending resumes.

For those who follow the economy and markets, one of the more disruptive outcomes of the shutdown is the suspension of economic data releases. Federal workers were called back in to calculate and release the September CPI number (3%), as it is contractually tied to spending and benefits throughout the economy, not just the federal government. However, there have been no data releases on

the job market, or personal income, or consumption, or investment, or GDP. (If GDP growth falls, but there is no one around to record it, is it a recession?)

The last few months before the shutdown saw a dislocation between different measures of economic growth. The job market stopped expanding after April and generated the same number of jobs cumulatively over the next four months (107,000) that we would see in just one month over the previous two years. The unemployment rate remains at a historic low, but job turnover has ground to a halt, as the quit rate by workers and the rate of job creation (new jobs as a percent of total employment) have fallen to recessionary levels. So unemployment remains low, but no one dares make a change. This job market stagnation is hitting while GDP growth keeps surprising to the upside, surging 3.8% in 2Q, and with pre-shutdown estimates for 3Q ranging between 1.5% and 3%. One explanation may be that the weak labor market is not due to softening labor demand, but rather to a lower labor supply because of a slowdown in immigration. Less easy to document is the impact of AI implementation; if AI improves productivity, it should reduce demand for labor, which would slow consumer spending, but that increase in productivity could also boost GDP and capital spending.

Alternative data sources on consumer and business activity offer fascinating insights into the specifics of spending, such as hospitality and food-away-from home spending, entertainment, surging airline travel, credit card spending patterns, debt and household finances—and they are terrific complements to the broad spending, consumption, and investment data. But they are just that, complements, and these alternative sources are collected with a particular business in mind, so context and interpretation are key.

Just when the interaction of traditional and newer economic data from the private sector seems to be transforming how we

The Long-Term View

Index	3Q25	Periods Ended 9/30/25			
		1 Yr	5 Yrs	10 Yrs	25 Yrs
U.S. Equity					
Russell 3000	8.2	17.4	15.7	14.7	8.4
S&P 500	8.1	17.6	16.5	15.3	8.4
Russell 2000	12.4	10.8	11.6	9.8	7.8
Global ex-U.S. Equity					
MSCI EAFE	4.8	15.0	11.2	8.2	5.1
MSCI ACWI ex USA	6.9	16.4	10.3	8.2	--
MSCI Emerging Markets	10.6	17.3	7.0	8.0	--
MSCI ACWI ex USA Small Cap	6.7	15.9	10.0	8.4	7.6
Fixed Income					
Bloomberg Agg	2.0	2.9	-0.4	1.8	3.9
90-Day T-Bill	1.1	4.4	3.0	2.1	1.9
Bloomberg Long G/C	3.2	-1.3	-4.6	1.9	5.2
Bloomberg GI Agg ex US	-0.6	1.9	-2.5	0.5	3.1
Real Estate					
NCREIF Property	1.2	4.6	3.8	5.0	7.4
FTSE Nareit Equity	4.8	-2.0	9.3	6.6	9.2
Alternatives					
Cambridge PE*	3.9	9.3	14.2	12.8	10.5
Cambridge Senior Debt*	4.2	9.7	9.0	7.9	4.9
HFRI Fund Weighted	5.4	11.1	8.8	6.4	5.6
Bloomberg Commodity	3.6	8.9	11.5	4.0	1.7
Inflation – CPI-U	0.9	2.7	4.6	3.1	2.5

*Data for most recent period lags. Data as of 2Q25.

Sources: Bloomberg, Bureau of Economic Analysis, FTSE Russell, Hedge Fund Research, MSCI, NCREIF, Refinitiv/Cambridge, S&P Dow Jones Indices

understand our economy, we stop reporting the traditional data due to a shutdown! What is a market-following nerd to do? Losing the supply of traditional economic data, even temporarily, as the canvas against which these richer details can be cast highlights the importance of the vast data collection enterprise we entrust to the government, and our reliance on these data to make informed decisions. Who knew one could pine for a jobs report?

Recent Quarterly Economic Indicators

	3Q25	2Q25	1Q25	4Q24	3Q24	2Q24
Employment Cost: Total Compensation Growth	n/a	3.6%	3.6%	3.8%	3.9%	4.1%
Nonfarm Business: Productivity Growth	n/a	2.4%	-1.8%	1.7%	2.9%	2.1%
GDP Growth	n/a	3.0%	-0.5%	2.4%	3.1%	3.0%
Manufacturing Capacity Utilization	n/a	76.8%	76.6%	76.2%	76.7%	77.1%
Consumer Sentiment Index (1966=100)	58.3	55.0	64.5	72.1	68.1	71.1

Sources: Bureau of Economic Analysis, Bureau of Labor Statistics, Federal Reserve, IHS Economics, Reuters/University of Michigan

Gains Continue, But Can't Catch the Benchmark

INSTITUTIONAL INVESTORS

Investor Performance

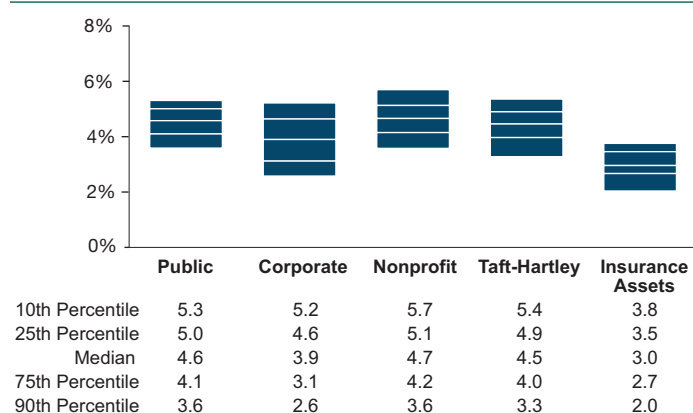
- All investor types gained in 3Q25 although less than 2Q and shy of the 60% stocks/40% bonds benchmark.
- Corporate defined benefit (DB) plans were the laggard with their heavy allocations to fixed income.
- Over longer periods, the gap between institutional investor returns and the 60%/40% benchmark continued.
- The Callan Age 45 TDF had strong performance, consistently beating the benchmark except for the trailing 10-year period.

Macroeconomic Issues

- Tariffs are a tax on the sale of imported goods (and possibly services) to consumers, businesses, and governments.
 - The cost is absorbed by the buyer, the seller (U.S. importer), or both.
- Tariffs as currently implemented substantially increase the price of many imported goods:
 - **Final goods** such as food, clothing, tools, electronics, and automobiles
 - **Intermediate goods** ranging from raw materials (timber, metals) to processed materials (steel, aluminum) to auto parts
- Higher tariffs could meaningfully increase inflation in the shorter term, and possibly over the longer term if they

Quarterly Returns, Callan Database Groups

(9/30/25)



Source: Callan

- remain in place as a long-term economic policy rather than a negotiating strategy.
- After uncertainty rocked the equity markets in April, global markets now appear to be “looking past” tariffs, with strong reported profits, solid U.S. GDP growth, and falling expectations for recession fueling investor confidence.
- The job market is showing the first sign of a crack in the U.S. economy; the run rate for new jobs through April 2025 had been in the 100,000-200,000 range per month; since April, the U.S. has created 107,000 jobs cumulatively over the four months ended August.

Callan Database Median and Index Returns* for Periods Ended 9/30/25

Database Group	Quarter	1 Year	3 Years	5 Years	10 Years	20 Years
Public Database	4.6	10.2	13.4	9.1	8.8	7.2
Corporate Database	3.9	6.0	10.5	4.6	6.7	6.4
Nonprofit Database	4.7	10.6	14.2	9.2	8.6	7.1
Taft-Hartley Database	4.5	10.4	12.5	8.8	8.4	7.1
Insurance Assets Database	3.0	7.2	9.0	4.4	4.8	4.7
All Institutional Investors	4.5	9.9	12.9	8.6	8.3	7.0
Large (>\$1 billion)	4.3	9.7	11.9	9.0	8.5	7.2
Medium (\$100mm - \$1bn)	4.5	9.9	13.0	8.6	8.4	7.1
Small (<\$100 million)	4.7	10.2	13.9	8.5	8.1	6.8
60% S&P 500/40% Bloomberg Agg	5.7	11.7	16.7	9.6	10.1	8.2

*Returns less than one year are not annualized.

Source: Callan. Callan's database includes the following groups: public defined benefit (DB) plans, corporate DB plans, nonprofits, insurance assets, and Taft-Hartley plans. Approximately 10% to 15% of the database constituents are Callan's clients. All database group returns presented gross of fees. Past performance is no guarantee of future results. Reference to or inclusion in this report of any product, service, or entity should not be construed as a recommendation, approval, affiliation, or endorsement of such product, service, or entity by Callan.

- The unemployment rate remains low, but job turnover ground to a halt. Digging through the economic data has resulted in few clear signs of an impact from tariffs, whether inflation, GDP, or consumption. (Hard economic data typically lags market responses, especially to policy changes, and the markets can overreact to sentiment.)
- The Fed cut rates by 25 bps at its Sept. 17 meeting, lowering its target to 4.00%. The September 2025 Fed Dot Plot indicates the Fed Funds rate may fall to mid-3% by the end of 2026.

Public DB Plans

- Interest in adding to private credit dropped significantly from 1Q25.
- Interest in private real estate slightly increased after bottoming out in 3Q24.
- Clients showed little appetite in increasing allocations to U.S. equity, and their appetite to cut their allocations continued at roughly the same level as it has for several quarters.
- Fixed income continues to attract outsized interest, although with a big drop this quarter.

Corporate DB Plans

- Clients were roughly evenly split on the goals for their plans between pension risk transfers (PRT), hibernation, or closing the funding gap.

- Closing the funding gap was the top goal but only narrowly.
- The share of plans with a funded status above 100% increased to the highest level since we started since we started tracking this.
- Interest in re-opening plans as a use of surplus has increased.

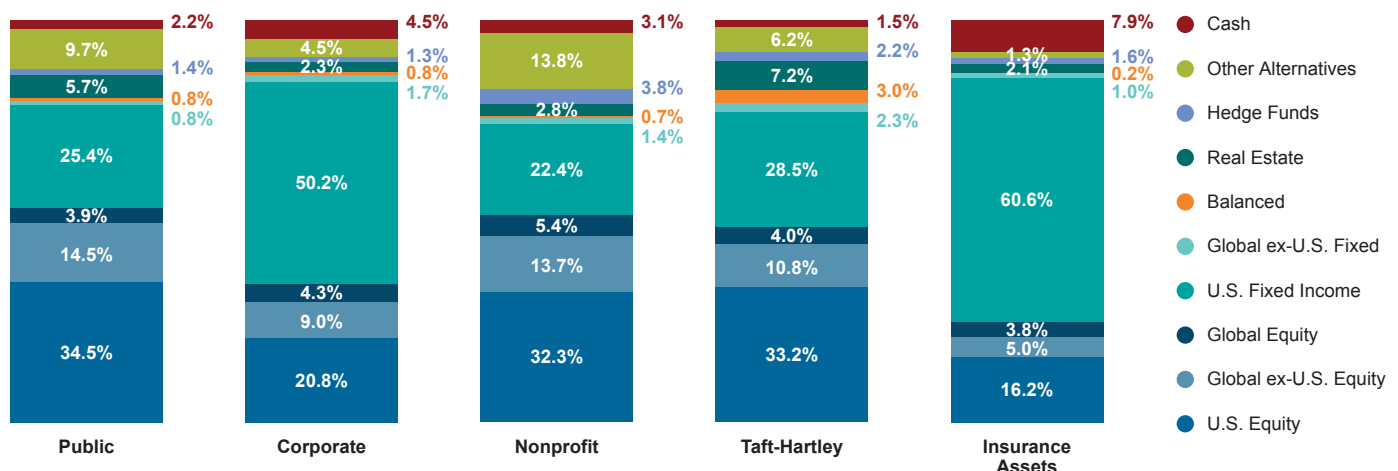
DC Plans

- Given shifts in regulations, alternatives dominated plan sponsors' discussions.
- Fees remained the top issue for DC plans, as they have been for years.
- Compliance and investment structure are also areas of concern.
- The share of clients that plan to decrease the number of options in their lineup continued at its highest level since 3Q17 and has been on the rise since 1Q23.

Nonprofits

- Interest in increasing allocations to private real estate fell slightly but is still elevated from the lows it hit in 1Q and 3Q24.
- Hedge funds continue to draw interest, both positive and negative.
- Plans for other alternative asset classes were relatively muted and little changed from prior quarters.

Average Asset Allocation, Callan Database Groups



Note: Charts may not sum to 100% due to rounding. Other alternatives include but is not limited to: diversified multi-asset, private credit, private equity, and real assets.
Source: Callan

Equity

U.S. Equities

Another strong quarter for U.S. stocks

- The S&P 500 Index jumped 8.1% in 3Q25, supported by strong corporate earnings growth and guidance.
- 10 out of the 11 S&P sectors posted gains. Information Technology (+13%), Communication Services (+12%), and Consumer Discretionary (+10%) led the pack, supported by the continued strength of the AI ecosystem.
- Consumer Staples was down (-2%) after tough July and September results. Its typical defensive posturing, combined with softened consumer spending trends, caused it to struggle in a highly risk-on market environment.
- Small cap indices outperformed large cap indices, a reversal in performance patterns observed during 2Q25.
- Style leadership was mixed. Growth outperformed value in large cap while value slightly outpaced growth in small cap.

Strong risk on rally

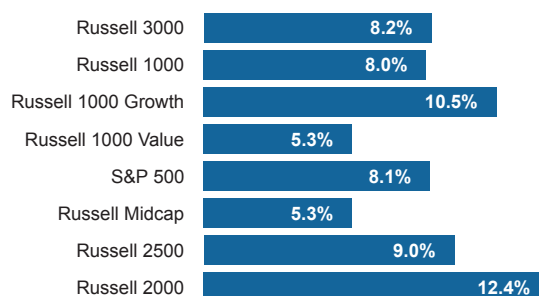
- Since the market bottom on April 8, low quality stocks have led the markets. For example, in the Russell 2500 Growth Index, non-earners were up almost 70%; during 3Q alone, non-earners were up over 25%. By comparison, positive earning stocks were up 35% and 8%, respectively.
- Speculative/retail investor momentum favored stocks within biopharma, cryptocurrency, and quantum computing.
- Many managers have zero exposure or an underweight to biopharma due to reticence around investing in binary outcomes or lack of in-house biopharma expertise. Cryptocurrency and quantum computing are viewed as areas that lack fundamental strength for long-term investing.

AI continues to dominate

- Since the rollout of ChatGPT at the end of 2022, AI infrastructure spend in both the private and public sectors has increased exponentially.
- That increased spend—and subsequent investor enthusiasm — exacerbates market concentration issues.

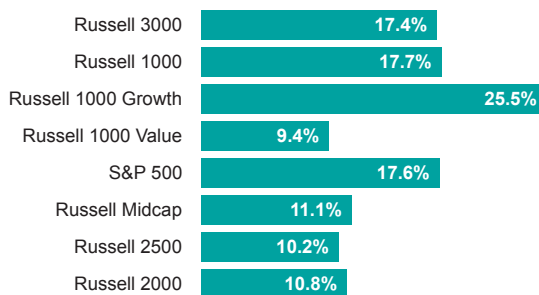
U.S. Equity: Quarterly Returns

(9/30/25)



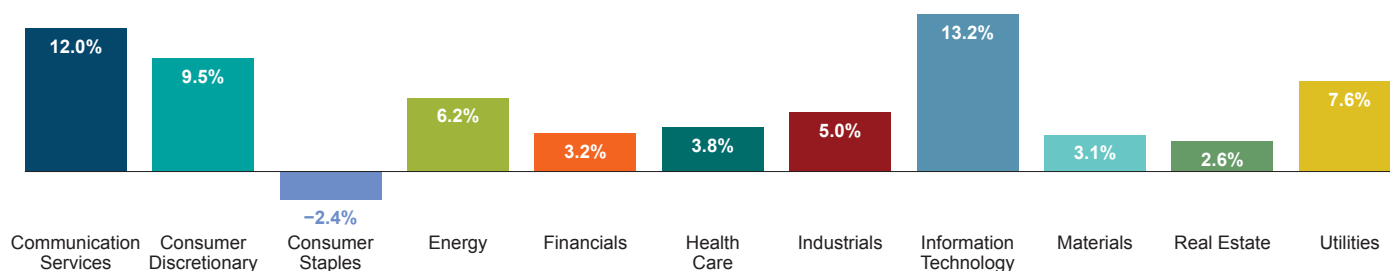
U.S. Equity: One-Year Returns

(9/30/25)



Sources: FTSE Russell and S&P Dow Jones Indices

Quarterly Performance of Industry Sectors (9/30/25)



Source: S&P Dow Jones Indices

Global Equities

Lagged in 3Q but maintain YTD lead

Broad market

- Global ex-U.S. equities modestly underperformed the U.S. in 3Q25 but remained ahead year-to-date.
- Emerging markets led developed markets higher.
- Accommodative monetary policy in emerging markets, fiscal support in China, and a U.S.-Japan trade deal supported ex-U.S. performance.
- Global ex-U.S. small caps kept pace with global ex-U.S. large caps while U.S. small caps outpaced large cap.
- China was the clear leader, supported by government intervention and easing trade tensions with the U.S.

Growth vs. value

- Value outperformed growth in developed ex-U.S. markets while growth outperformed value in emerging markets.
- Technology companies, semiconductors, and European banks led markets while health care stocks were laggards.

U.S. dollar stabilizes after decline

- The U.S. dollar stabilized (+0.9%) after a sharp decline in the first half of the year (-10%), reducing the currency tailwind for non-U.S. markets.

EAFE returns driven by Financials and Industrials

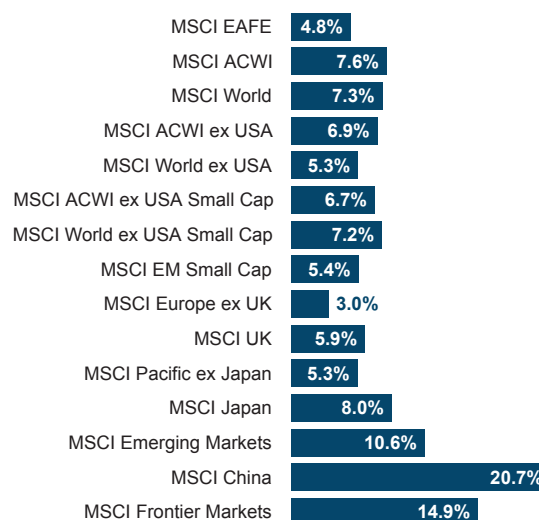
- Through the first three quarters, EAFE returns have been dominated by Financials and Industrials, accounting for 60% of the total index returns.
- This follows a trend from 2024, where those sectors added 5.5% to total returns, while the rest of the index fell 1.7%.
- For active EAFE investors, much of their performance can be explained by their weighting to these two sectors.

Impact of U.S. dollar weakness

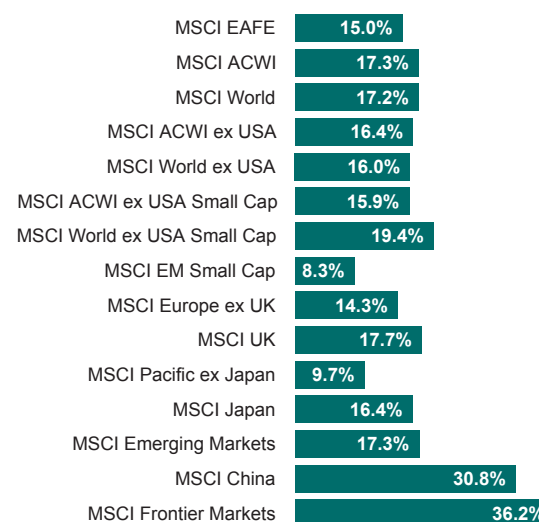
- The dollar's weakness helped U.S. investors in the first half of the year, but that support faded in 3Q25.
- Since peaking in September 2022, the dollar's decline had created one of the largest three-year performance gaps in a decade between the MSCI EAFE Local Currency index and the U.S. dollar version.

- Although many investors still expect the dollar to weaken over time, near-term signals point the other way.
- For example, the euro-dollar exchange rate and the yield gap between U.S. and German two-year government bonds usually move together. That link broke earlier this year but has recently started to tighten again.

Global ex-U.S. Equity: Quarterly Returns (U.S. Dollar, 9/30/25)



Global ex-U.S. Equity: One-Year Returns (U.S. Dollar, 9/30/25)



Source: MSCI

Fixed Income

U.S. Fixed Income

The Fed cut rates; Aggregate gains 2.0%

Macro environment

- The Fed cut rates at the September meeting, with long-end rates moving higher, pricing in the potential for continued upward inflation pressures.
- Despite long-end upward movement post-meeting, yields eventually fell across the curve amid weakening economic sentiment.
- The yield curve steepened modestly, with the 2s/10s spread widening as much as 65 bps—before ending at 55 bps, up from 52 bps at the end of 2Q.

Performance and drivers

- The Bloomberg US Aggregate Bond Index rose 2.0%, supported by declining Treasury yields.
- Investment grade corporates outperformed Treasuries amid continued spread tightening, as did securitized credit.
- High yield outperformed floating rate bank loans as yields declined.

Valuations

- Corporate credit spreads continue to grind tighter amid high demand from market participants.
- New issuance across both IG and HY ticked up in September after the typical summer lull.

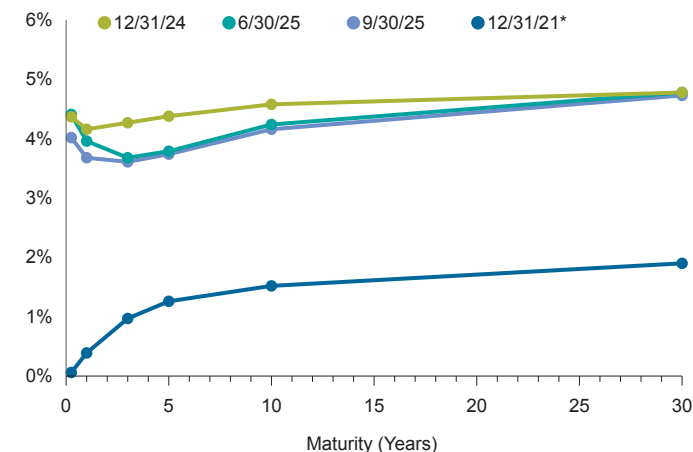
Municipal bond yields declined during the quarter

- The AAA municipal yield curve moved lower as the Fed telegraphed a rate cut in September.
- The yield curve ended steeper as the front-end fell more sharply than the long-end. The AAA 2-year yield ended the quarter at 2.30%, while the 30-year ended at 4.30%.

Sustained record pace of new issuance

- YTD issuance totaled \$437 billion, 15% higher than prior record-year levels.

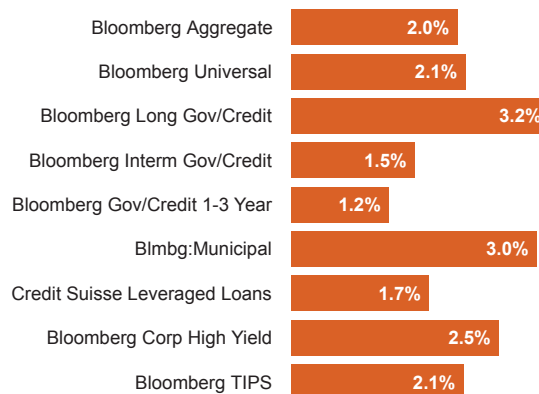
U.S. Treasury Yield Curves



Source: Bloomberg
* Last non-inverted yield curve.

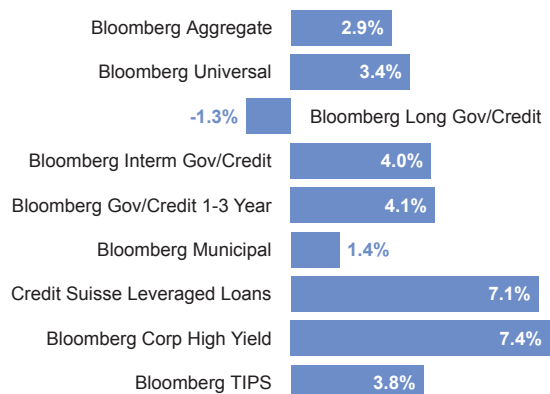
U.S. Fixed Income: Quarterly Returns

(9/30/25)



U.S. Fixed Income: One-Year Returns

(9/30/25)



Sources: Bloomberg and Credit Suisse

Valuations tightened during the quarter

- Muni-to-Treasury ratios finished the quarter below historical averages, indicating diminished relative value for tax-exempt municipals versus Treasuries.
- Longer maturities remained the cheapest segment as the 30-year Muni/Treasury ratio ended at roughly 90%.

High yield trailed investment grade

- Brightline Rail's deferral of interest payments on its tax-exempt bonds contributed to volatility in the high-yield municipal market during the quarter.

Global Fixed Income

Macro environment

- The European Central Bank (ECB) held rates steady at its September meeting as inflation remained in line with its medium-term goal. The ECB indicated it remains data-dependent, signaling readiness to adjust monetary policy meeting-by-meeting.
- The Bank of England cut rates in August but held steady in September, indicating policy is not on a pre-set path, much like the ECB.

U.S. dollar strengthened slightly

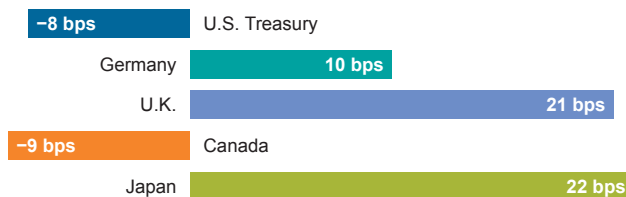
- The U.S. dollar strengthened modestly amid reciprocal tariff postponements.
- The Bloomberg Global Aggregate ex US Hedged Index topped the unhedged version due to the stronger dollar.

Emerging market debt delivers another strong quarter

- The dollar's rise supported hedged currency EMD over unhedged EMD. Spread tightening has persisted across EMD segments amid the global hunt for value within credit.

Change in 10-Year Global Government Bond Yields

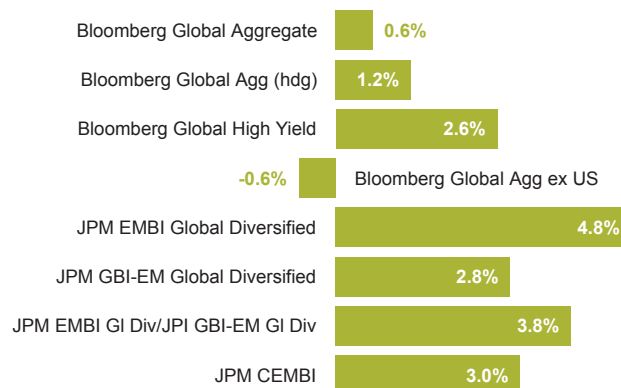
2Q25 to 3Q25



Source: Bloomberg

Global Fixed Income: Quarterly Returns

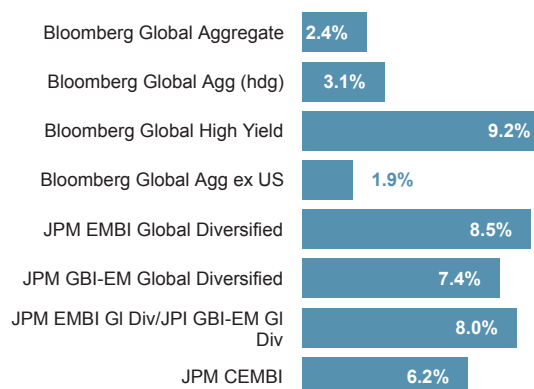
(9/30/25)



Sources: Bloomberg and JPMorgan Chase

Global Fixed Income: One-Year Returns

(9/30/25)



Sources: Bloomberg and JPMorgan Chase

Sector Appreciation Mostly Turns Positive, Outside of Office and Retail

REAL ESTATE/REAL ASSETS | Munir Iman

The NCREIF Property Index, a measure of U.S. institutional real estate assets, rose 1.2% during 3Q25. The income return was 1.2% while the appreciation return was 0.0%. Hotel led property sector performance with a gain of 2.1%. Office finished last with a gain of just 0.9 %. Regionally, the Midwest led with a gain of 1.9%, while the West was the worst performer with a gain of 0.8%.

Private Real Estate | Valuations Reflect Higher Interest Rates

Valuations appear to have bottomed and are in the very early stages of a recovery. Income returns were positive across sectors and regions. Property sectors were mixed: Office and Retail experienced negative appreciation, while the remaining sectors saw positive or flat appreciation. West region underperformance was driven by the repricing of industrial in Southern California.

ODCE redemption queues are approximately 12.0% of net asset value (NAV), with a median queue of 9.5%, compared to the Global Financial Crisis peak of roughly 15% of NAV. Outstanding redemption requests for most large ODCE funds range from about 0% to 52% of NAV. Queues are now sharply decreasing from their 19.3% NAV peak in 1Q24, driven primarily by rescissions of redemption requests at a handful of managers with large queues and by increased redemption payments supported by higher transaction activity.

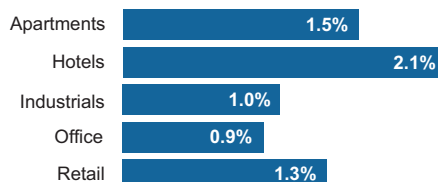
Callan Database Median and Index Returns* for Periods Ended 9/30/25

Private Real Assets	Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	20 Years
Real Estate ODCE Style	1.0	3.0	4.2	-6.2	3.2	4.7	4.7
NFI-ODCE (value-weighted, net)	0.5	2.2	3.2	-6.1	2.6	4.1	4.9
NCREIF Property	1.2	3.7	4.6	-2.6	3.8	5.0	6.5
NCREIF Farmland	0.3	0.7	-0.6	2.6	4.6	5.4	10.7
NCREIF Timberland	0.7	2.9	4.4	8.1	8.4	5.4	6.7
Public Real Estate							
Global Real Estate Style	3.6	9.8	0.1	10.5	6.5	5.7	5.8
FTSE EPRA Nareit Developed	4.1	14.4	8.5	11.8	8.4	7.6	--
Global ex-U.S. Real Estate Style	3.5	18.0	0.4	10.8	3.2	4.5	--
FTSE EPRA Nareit Dev ex US	3.5	23.7	4.8	9.9	2.3	2.4	--
U.S. REIT Style	3.0	4.3	-2.5	10.3	9.0	7.3	7.4
FTSE EPRA Nareit Equity REITs	4.8	4.5	-2.0	10.8	9.3	6.6	6.7

*Returns less than one year are not annualized. Sources: Callan, FTSE Russell, NCREIF

Sector Quarterly Returns by Property Type

(9/30/25)



Source: NCREIF

Dry powder for private real estate investment remains sizable, exceeding \$230 billion in North America.

REITs | Underperformed Equities; Both U.S. and Globally

Global REITs underperformed in 3Q25, rising 4.1% versus 7.3% for global equities (MSCI World). U.S. REITs gained 4.8%, lagging the S&P 500's 8.1% increase. Global REITs are trading at an -8.0% discount to NAV, compared to their historical -3.9% discount.

Infrastructure | Fundraising Momentum Rebounds

Mega funds (over \$10 billion) have raised significant capital, and 1H25 fundraising was driven by them, with 80% of infrastructure capital flowing to five or six mega fund managers. The closed-end fund market is expanding, with new offerings in infrastructure debt, energy transition, emerging markets, and sector strategies such as digital and renewables, while the open-end market grows with new funds.

Steady Gains as Public Equity Rebounds in 2Q25

PRIVATE EQUITY | Ashley Kahn

Returns ► Private equity posted a 4% gain versus the public market's double-digit rebound. Performance was largely aligned across time horizons, with one key exception: over three years, venture capital and growth equity lagged amid the 2022–23 tech downturn.

Fundraising ► By both volume and fund count, 1H25 fundraising fell 30% versus 1H24 as exit backlogs and limited distributions left LPs with less capital to redeploy. Longer timelines mean more funds in market without final closes, understating activity. Fundraising remains bifurcated: a small cohort of in-demand funds are oversubscribed while the broader universe remains challenged.

Deal Activity ► There has been a persistent trend: deal volume going up and deal count going down. Deal volume saw a massive boost in 1H25, on track to reach 2022 levels. Deal count, on the other hand, was down 22%. Capital has been concentrated in the largest deals across both buyouts and venture capital/growth, driven by; a business-friendly administration encouraging larger deals that once faced antitrust scrutiny, companies of scale seen to be more resilient amid ongoing trade uncertainty, and AI's heavy capital needs driving venture “mega” rounds.

Buyouts ► Activity dropped in 2Q25 following Liberation Day and its resulting tariff fluctuations and macroeconomic uncertainty. The first quarter buoyed the YTD statistics, which, in the aggregate, has continued 2024's pace. Valuations were at their lowest levels in 10 years.

Private Equity Performance (%) (Pooled Horizon IRRs through 6/30/25*)

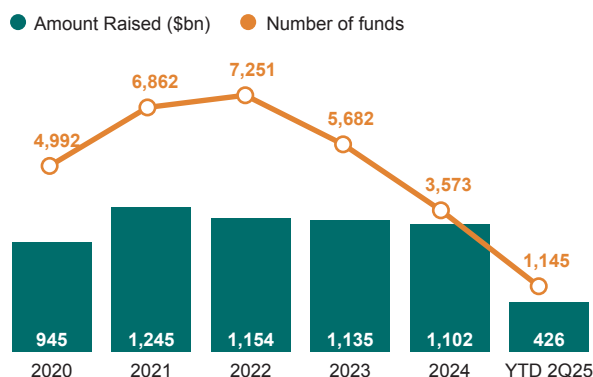
Strategy	Quarter	1 Year	3 Years	5 Years	10 Years	20 Years
Venture Capital	4.30%	10.10%	-0.20%	13.50%	13.00%	12.30%
Growth Equity	4.10%	10.60%	4.70%	13.10%	13.00%	13.10%
Buyouts	4.30%	9.70%	8.20%	15.80%	13.80%	13.00%
Private Equity	4.30%	10.00%	5.50%	14.80%	13.50%	12.90%

Note: Private equity returns are net of fees. Sources: LSEG/Cambridge and S&P Dow Jones Indices

*Most recent data available at time of publication

Annual Fundraising

(6/30/25)



Source: Pitchbook

Venture Capital and Growth Equity ► Despite slower exits in recent years, venture activity has climbed as billions flow into AI startups. The surge in 2Q25 was driven by late-stage AI “mega” rounds, pushing overall activity and late-stage valuations to ~80% of 2021 levels, while early-stage valuations have nearly doubled.

Exits ► A handful of high-profile exits this summer has renewed optimism about private equity exits. The IPO market is warming as seven unicorns (a startup company with a valuation exceeding \$1 billion) listed in 1H25 and seven more in 3Q25. “Mega” exits dominate, pushing 2025 median exit size near 2021's peak, with holding periods shortening.

Note: Transaction count and dollar volume figures across all private equity measures are preliminary figures and are subject to update in subsequent versions of the *Capital Markets Review* and other Callan publications.

Private Credit Growth Persists Despite Economic Headwinds

PRIVATE CREDIT | Cos Braswell

Performance ► Private credit outperformed leveraged loans and high yield over last quarter and the 5-, 10-, and 20-year periods ended 2Q25. Over the past ten years the asset class has generated a net IRR of 8.6%, outperforming leveraged loans by three percentage points as of June 30, 2025.

Spreads ► Spreads and YTM's compressed from 361 bps / 8.97% (Sep 2024) to 322 bps / 7.31% (June 2025), reflecting broad credit tightening and lower required yields. The sharp early-2025 decline followed a strong credit rally and improved default sentiment. Lower base rates, strong yield demand, and better credit fundamentals pushed yields toward cycle lows.

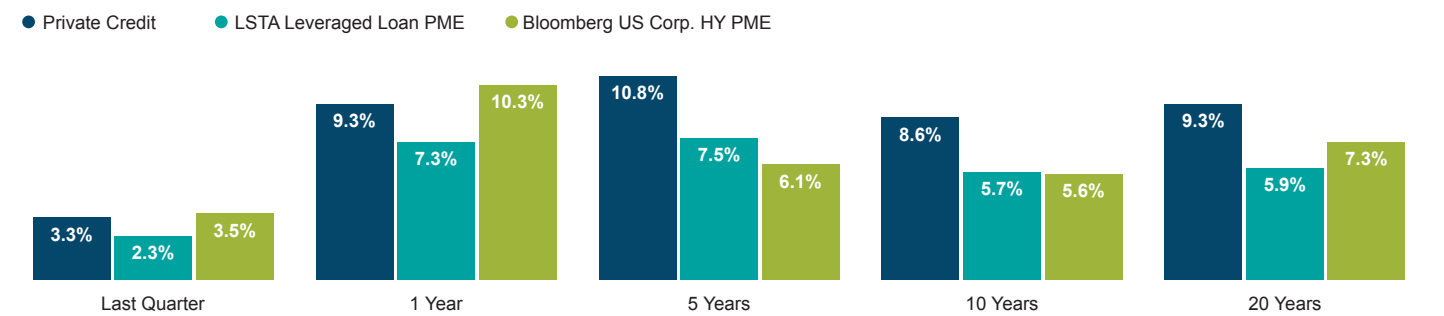
Fundraising ► The top four funds raised in 2Q25 spanned multiple private credit verticals. Direct lending continues to dominate, with mezzanine following, while fund of funds and venture debt lose LP interest. Specialty finance/ABL strategies continue to attract increased attention.

Refinancing ► Borrowers switching from private credit to syndicated loans achieved average spread savings of 147 bps in 2025 YTD, versus 216 bps in 2023. Banks have re-entered the market aggressively, with capital now split more evenly between broadly syndicated loan and direct lending markets, signaling renewed competition.

Loan Volume ► The 2023 flow gap has effectively closed as banks resumed underwriting and syndicating large, high-quality loans after rebuilding balance-sheet capacity and confidence in the leveraged market.

Yields ► Option-adjusted spreads tightened in 2Q25 as confidence in credit quality improved, defaults stayed low, and demand for high yield remained strong. Effective yields rose not from higher base rates, but from price declines in lower-quality bonds, heavier issuance, and a shift toward riskier, higher-coupon credits—reflecting a “risk rotation” toward more speculative or longer-duration paper.

Private Credit Performance (%) (Pooled Horizon IRRs through 6/30/25*)



Private Credit Performance (%) (Pooled Horizon IRRs by Strategy through 6/30/25*)

Strategy	Quarter	1 Year	5 Years	10 Years	20 Years
Senior Debt	4.2	9.6	8.9	7.6	7.9
Subordinated	4.8	10.8	12.9	10.9	10.9
Credit Opportunities	2.4	8.6	11	8.1	9.1
Total Private Credit	3.3	9.3	10.8	8.6	9.3

Source: LSEG/Cambridge
*Most recent data available at time of publication

Equity Hedge Strategies Lead Performance

HEDGE FUNDS/MACs | Joe McGuane

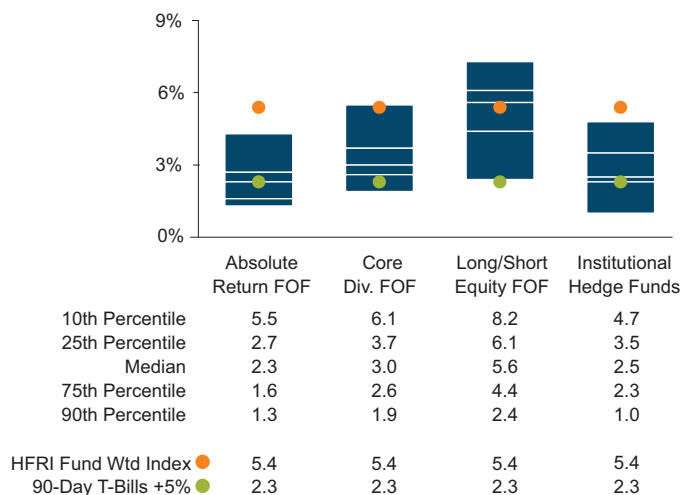
U.S. equity markets performed well throughout 3Q25, supported by positive developments in trade negotiations, healthy corporate earnings, and persistent strength in AI capital expenditures. The U.S. yield curve remained inverted, but steepened (with short-term rates falling more than long-term rates), gold surged, and the U.S. dollar continued to weaken, reaching its largest annual decline since 1973. The 10-year Treasury ended the quarter at 4.15%, down modestly from 4.23%.

Hedge funds had another strong quarter, driven by equity hedge, as the AI boom continued to push up “growthier” names. Macro strategies performed well, driven by positioning in gold, equities, and interest rates. Event-driven strategies saw positive momentum as M&A activity picked up along with AI-related deals. Relative value strategies ended higher, as managers profited from the Fed rate cut.

Serving as a proxy for large, broadly diversified hedge funds with low beta exposure to the equity market, the median Callan Institutional Hedge Fund Peer Group manager rose 2.5%. Within

Hedge Fund Style Group Returns

(9/30/25)



Sources: Callan, Credit Suisse, Federal Reserve

this style group of 50 peers, the median equity hedge manager gained 3.2%, as AI-related growth drove performance across managers. The median credit hedge manager gained 3.0%, as managers were able to profit from relative value and stressed credit situations.

Callan Peer Group Median and Index Returns* for Periods Ended 9/30/25

Hedge Fund Universe	Quarter	1 Year	3 Years	5 Years	10 Years	15 Years
Callan Institutional Hedge Fund Peer Group	2.5	8.9	8.7	8.6	7.4	6.9
Callan Fund-of-Funds Peer Group	3.0	11.2	9.0	7.5	5.6	5.5
Callan Absolute Return FOF Style	2.3	8.7	7.8	8.4	5.1	5.3
Callan Core Diversified FOF Style	3.0	11.1	8.9	7.4	5.4	5.4
Callan Long/Short Equity FOF Style	5.6	13.4	12.7	7.4	6.2	6.2
HFRI Fund Weighted Index	5.4	11.0	10.0	8.8	6.4	5.3
HFRI Fixed Convertible Arbitrage	5.3	11.1	9.6	7.7	6.5	5.6
HFRI Distressed/Restructuring	4.3	10.4	9.2	9.6	6.7	5.8
HFRI Emerging Markets	7.8	15.8	13.0	7.4	6.5	4.0
HFRI Equity Market Neutral	2.8	10.9	8.5	6.9	4.2	3.8
HFRI Event-Driven	4.2	10.9	10.7	9.5	6.7	5.8
HFRI Relative Value	2.6	8.0	7.7	6.7	5.1	5.0
HFRI Macro	4.7	4.1	2.4	6.0	3.5	2.6
HFRI Equity Hedge	7.2	15.1	13.9	10.3	8.0	6.5
HFRI Multi-Strategy	4.4	17.7	12.5	8.9	5.5	4.8
HFRI Merger Arbitrage	3.4	10.1	7.2	8.3	5.8	4.7
90-Day T-Bill + 5%	2.3	9.4	9.8	8.0	7.1	6.4

*Net of fees. Sources: Callan, Credit Suisse, Hedge Fund Research

Within the HFRI indices, the best-performing strategy was equity hedge, which was up 7.2%, as high beta stocks continued to rise in the quarter. Event-driven strategies ended 4.2% higher, as special situations opportunities helped aid performance during the quarter. Macro strategies also had a strong quarter, up 4.7%, as they were able to profit from rates trading along with gold positioning. Relative value strategies finished in positive territory, up 2.6%, as they profited off interest rates during the quarter.

Across the Callan Hedge Fund-of-Funds database, the median Callan Long/Short FOF rose 5.6%, as higher beta managers drove performance during the quarter. The Callan Core Diverse FOF ended up 3.0%, as positioning to long/short, credit, and macro managers drove performance. The Callan Absolute Return FOF index rose 2.3%, as it saw positive contributions across all strategy buckets.

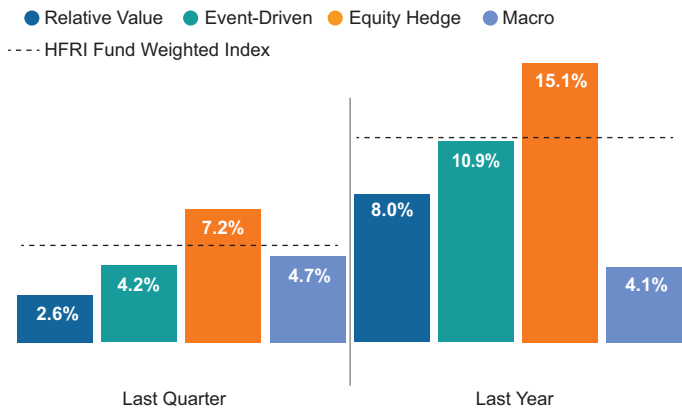
Since the Global Financial Crisis, liquid alternatives to hedge funds have become popular among investors for their attractive risk-adjusted returns that are similarly uncorrelated with traditional stock and bond investments but are offered at a

lower cost. Much of that interest is focused on rules-based, long-short strategies that isolate known risk premia such as value, momentum, and carry found across the various capital markets. These alternative risk premia are often embedded, to varying degrees, in hedge funds as well as other actively managed investment products.

Within Callan’s database of liquid alternative solutions, the Callan MAC Long Biased median gain was 5.9%, as managers got strong performance from equities, fixed income, and commodities. The Callan MAC Risk Parity median was up 5.8%, as equity performance was the main contributor to performance.

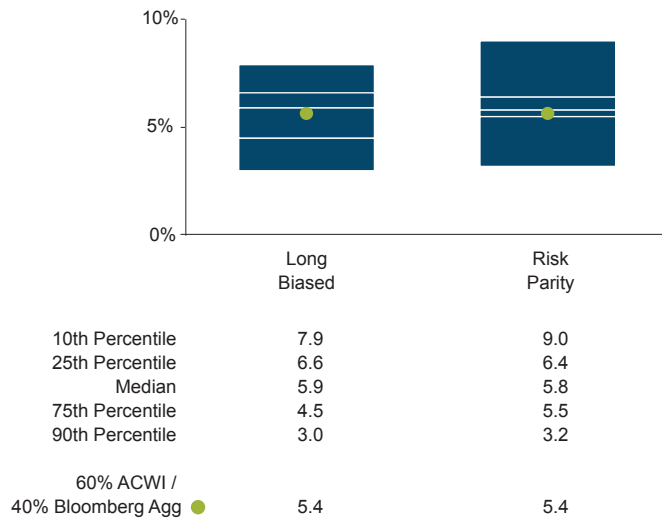
As we enter the final quarter of 2025, hedge funds continue to be in a favorable environment despite a strong equity market. Opportunities are being driven by higher dispersion, policy/ regime change, elevated credit, and event-driven opportunity sets, which align well with credit and event-driven hedge funds. Macro managers remain well positioned to generate alpha across rates, equities, commodities, and currencies. Callan continues to focus on selective hedge fund exposure that has structural tailwinds.

HFRI Hedge Fund-Weighted Strategy Returns (9/30/25)



Source: HFRI

MAC Style Group Returns (9/30/25)



Sources: Bloomberg, Callan, Eurekahedge, S&P Dow Jones Indices

DC Index Rises 8.4% in 2Q25

DEFINED CONTRIBUTION | Scotty Lee

Performance: Index Gains after Previous Quarter's Loss

- The Callan DC Index™ gained 8.4% in 2Q25, which brought the Index's trailing one-year return to 12.6%. The Age 45 Target Date Fund had a higher quarterly return (9.5%) and a higher trailing one-year return (14.2%).

Growth Sources: Balances Rise Due to Investment Gains

- Balances within the DC Index rose by 7.8% after a 1.9% decrease in the previous quarter. Investment gains (8.4%) were the primary cause as net flows (-0.6%) were small.

Turnover: Far Below Historical Average

- Turnover (i.e., net transfer activity levels within DC plans) decreased to 0.12% from the previous quarter's 0.27%. The Index's historical average (0.52%) remained steady.

Net Cash Flow Analysis: U.S. Equity Falls Sharply for Fourth Straight Quarter

- Target date funds earned 50.5% of quarterly net flows. Brokerage windows and money market funds also received a large portion of inflows, (18.0%) and (17.2%) respectively. Notably, within equities, investors withdrew assets from U.S. large cap equity (-53.5%) and U.S. small/mid-cap equity (-10.5%), similar to the large outflows of the previous three quarters.

Equity Allocation: Exposure Rises

- The Index's allocation to equity (74.7%) rose slightly from the previous quarter (73.8%). The current equity allocation continues to sit above the historical average (68.8%).

Asset Allocation: U.S. Large Cap Equities Gain

- U.S. large cap equity (28.7%) was the asset class with the largest percentage increase in allocation. Stable value (5.2%) and U.S. fixed income (4.9%) had the largest decreases in allocation from the previous quarter.

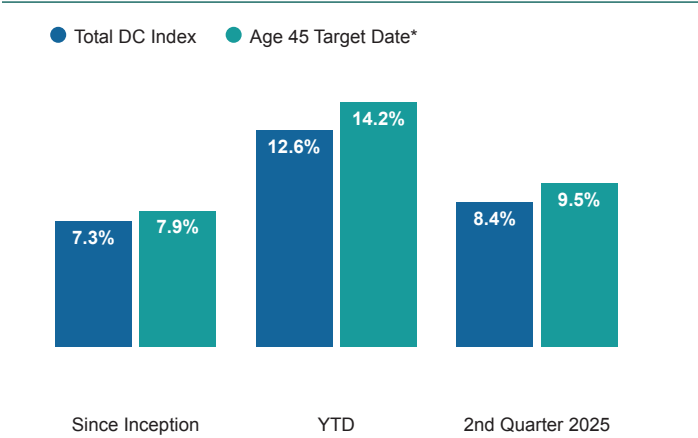
Prevalence of Asset Class: Money Market Funds Fall

- The prevalence of money market funds (58.8%) fell by 1.5 percentage points. Other notable movements included a 0.7 percentage point increase in the prevalence of company stock offerings (19.1%).

Underlying fund performance, asset allocation, and cash flows of more than 100 large defined contribution plans representing approximately \$400 billion in assets are tracked in the Callan DC Index.

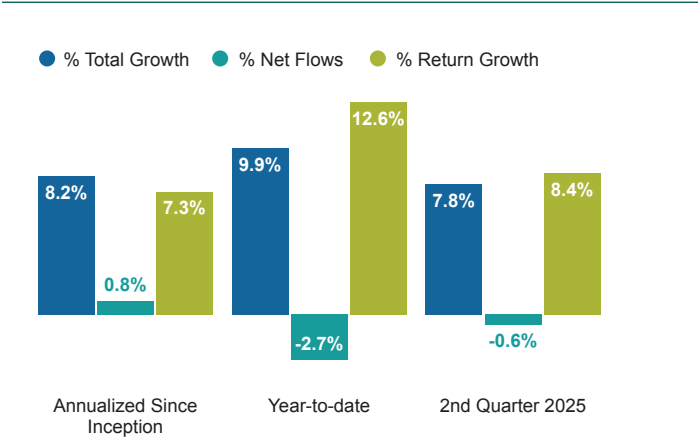
Investment Performance

(6/30/25*)



Growth Sources

(6/30/25*)



Net Cash Flow Analysis 2Q25)

(Top Two and Bottom Two Asset Gatherers)

Asset Class	Flows as % of Total Net Flows
Target Date Funds	50.5%
Brokerage Window	18.0%
Stable Value	-14.8%
U.S. Large Cap	-53.5%
Total Turnover**	0.1%

* Data provided here is the most recent available at time of publication.

Source: Callan DC Index

Note: DC Index inception date is January 2006.

* The Age 45 Fund transitioned from the average 2040 TDF to the 2045 TDF in June 2023.

** Total Index "turnover" measures the percentage of total invested assets (transfers only, excluding contributions and withdrawals) that moved between asset classes.

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The *Capital Markets Review* is a quarterly macroeconomic indicator newsletter that provides thoughtful insights on the economy and recent performance in the equity, fixed income, alternatives, real estate, and other capital markets.

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