

FOR INSTITUTIONAL, PROFESSIONAL, QUALIFIED INVESTORS AND QUALIFIED CLIENTS ONLY.

# Monthly **CHECKPOINTS**

BNY INVESTMENT INSTITUTE

January 2026

*APAC Financial Professional*

This material has been provided for illustrative and educational purposes only and should not be considered as investment advice or a recommendation of any particular investment, strategy, investment manager or account arrangement and should not serve as a primary basis for investment decisions. Information contained herein has been obtained from sources believed to be reliable, but not guaranteed.

NOT FDIC INSURED | NO BANK GUARANTEE | MAY LOSE VALUE



# BNY INVESTMENT INSTITUTE

Drawing upon the breadth and expertise within BNY Investments, the Investment Institute generates thoughtful insights on macroeconomic trends, investable markets and portfolio construction.



**Eric Hundahl, CFA®**

Head of BNY  
Investment Institute



**Sebastian Vismara**

Head of Economic  
Research



**Aninda Mitra**

Head of Asia Macro &  
Investment Strategy



**Ryan Milgrim, CFA®**

Senior Research  
Analyst



**Jonathan Park, CFA®**

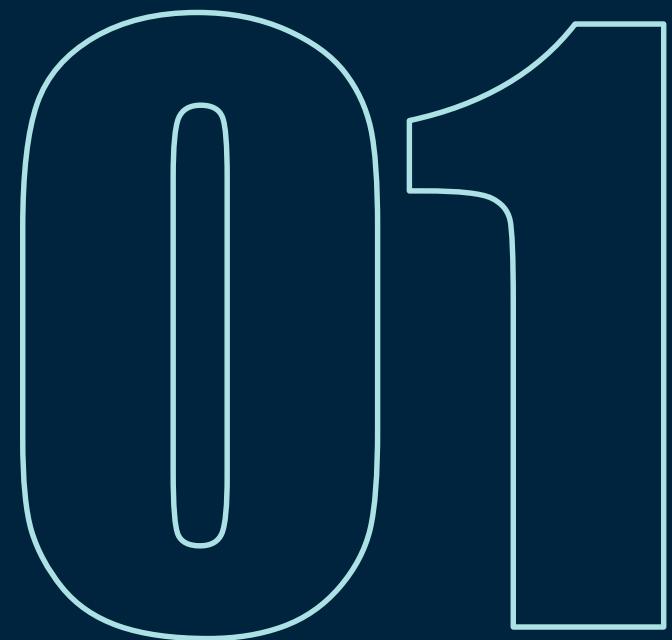
Multi-Asset Research  
Analyst

Source: BNY Investment Institute as of December 31, 2025. Investment Institute consists of BNY Advisors' macroeconomic research, asset allocation, manager research and operational due diligence teams. BNY Advisors is the brand name under which BNY Mellon Advisors, Inc. conducts its investment advisory business. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA® Institute.

# CONTENTS

- 01** Macroscope
- 02** Themes
- 03** Asset Class Views
- 04** US Macro
- 05** US Equities
- 06** Global Macro
- 07** Global Equities
- 08** APAC Macro
- 09** Fixed Income
- 10** Portfolio Construction

# MACROSCOPE

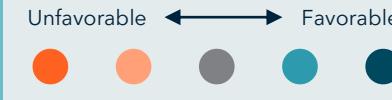


# Macro Investment Outlook

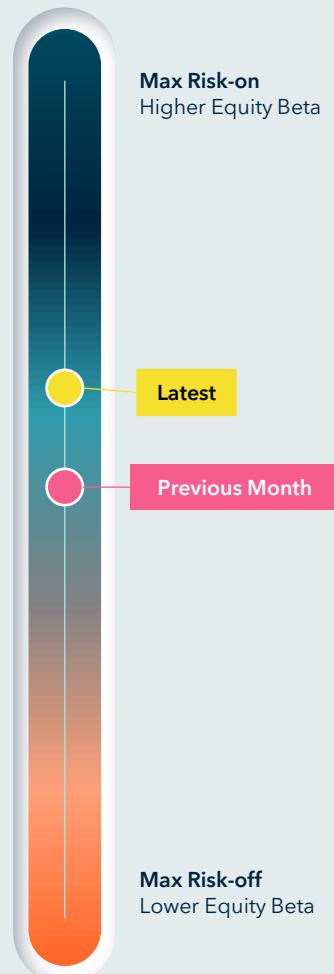
View based on short-term outlook

GROWTH		INFLATION		POLICY		VALUATION	
View: ●	Delta: ▲	View: ●	Delta: ■■■	View: ●	Delta: ■■■	View: ●	Delta: ■■■
Our base case for 2026 is 'Recovery' which sees a rebound in Q1 driven by the end of the US government shutdown, increased fiscal support, and further monetary stimulus. Base case for Eurozone is a cyclical pickup in growth 2026. Base case for China sees growth slow toward 4%.		We expect US inflation over the medium-term to be above target, reflecting the increase in tariffs on US good prices. We expect at target inflation in the Eurozone, slightly above market pricing, and continued deflation in China.		We expect the Fed to lower rates to 3% by end of 2026, broadly in line with market expectations. We expect the European Central Bank (ECB) to hold in the near-term given domestic inflationary pressures. We expect to see two more cuts from the Bank of England (BoE). We expect Bank of Japan (BOJ) to continue reducing policy accommodation in 2026 and China to ease further to complement fiscal stimulus.		US equity valuations remain stretched by historical levels, suggesting vulnerability should investors reprice the growth and policy outlook, but earnings and margins remain robust. Global ex US valuations have increased on the back of improving market breadth.	
EARNINGS		SENTIMENT		MOMENTUM			
View: ●	Delta: ■■■	View: ●	Delta: ■■■	View: ●	Delta: ■■■		
2025 earnings have been robust. Cyclical sectors have started to show improvement in margins, and we expect earnings to be supportive in 2026.		US equity implied volatility hovered near the lower quartile. Put/call ratios eased and US consumer discretionary modestly outperformed staples. Global cyclicals ex tech gained relative to global defensives. Rates implied volatility remained stable.		Japan stocks, gold, and UK stocks showed strong positive momentum. Japan bonds, JPYUSD cross, and oil showed strong negative momentum. Credit was relatively flat in signal strength.			

Source: BNY Investment Institute as of December 18, 2025. Short-term defined as 6-12-months. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.



## SHORT-TERM RISK-ON/RISK-OFF GAUGE



# Macro Cycle Tracker

Regional view based on short-term outlook



Business Cycle Peak

Economic Slowdown

Economic Recovery

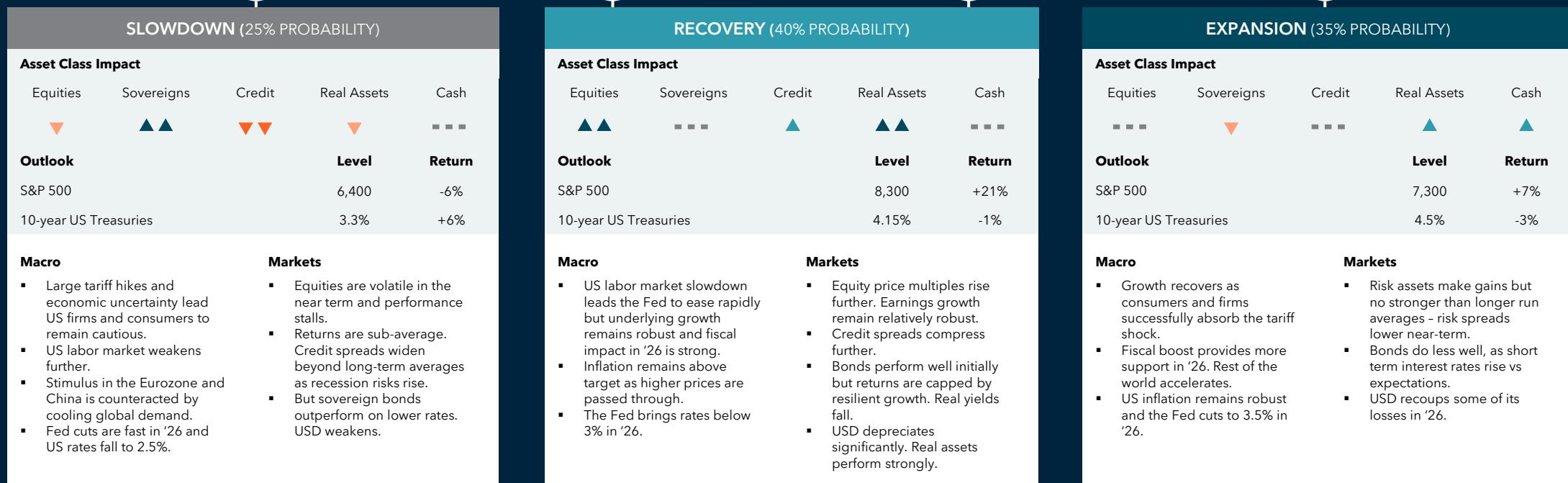
Business Cycle Trough

	US		EURO AREA		UK		JAPAN		CHINA	
	View	Delta	View	Delta	View	Delta	View	Delta	View	Delta
GROWTH	●	▲	●	▲	●	---	●	---	●	---
INFLATION	●	---	●	---	●	---	●	---	●	---
POLICY	●	---	●	---	●	---	●	---	●	---

Source: BNY Investment Institute as of December 18, 2025. Short-term defined as 6-12-months. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

# SCENARIOS IN BRIEF

Probability tree  
based on 12-month  
outlook



Source: BNY Investment Institute as of December 2, 2025. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.



# MACRO NEWS vs. OUR SCENARIOS

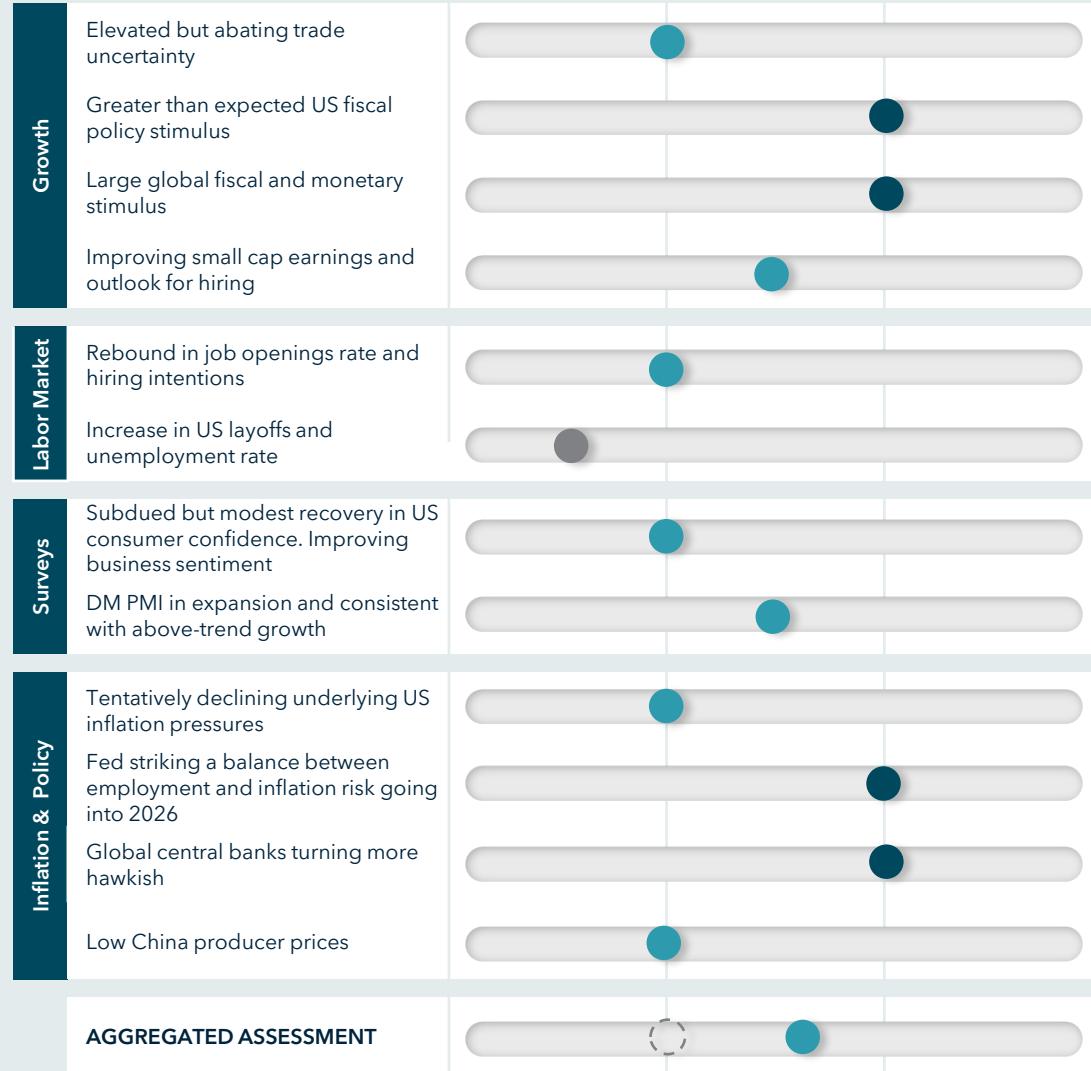
Source: BNY Investment Institute as of December 18, 2025. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

## MACRO NEWS

## SLOWDOWN

## RECOVERY

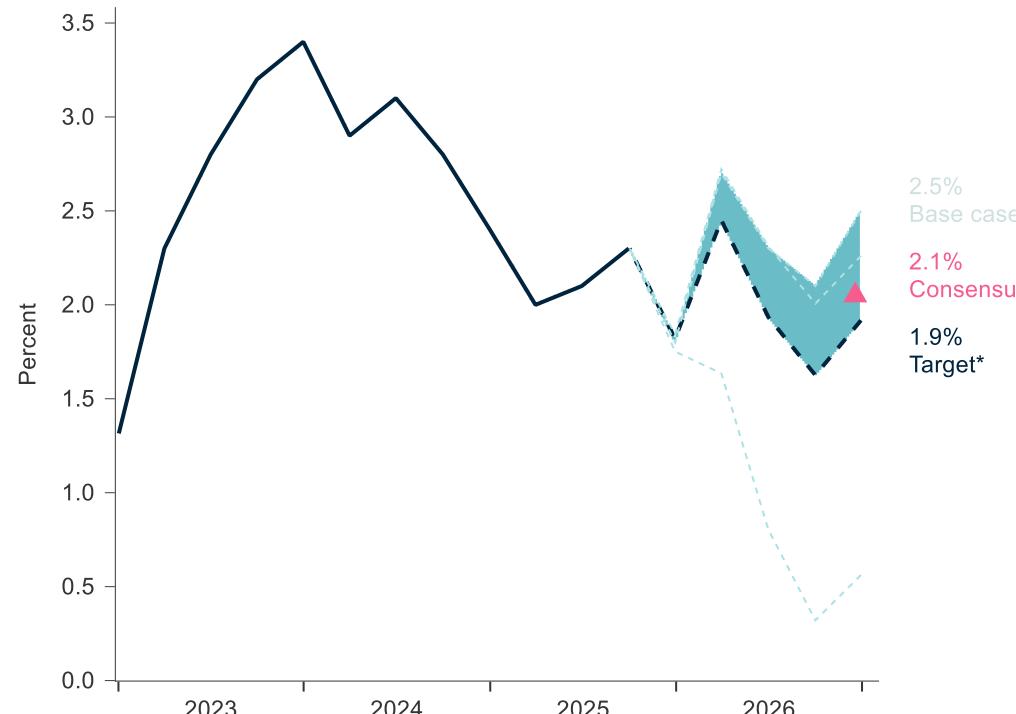
## EXPANSION



# Our Outlook vs. Consensus

## US GDP Growth

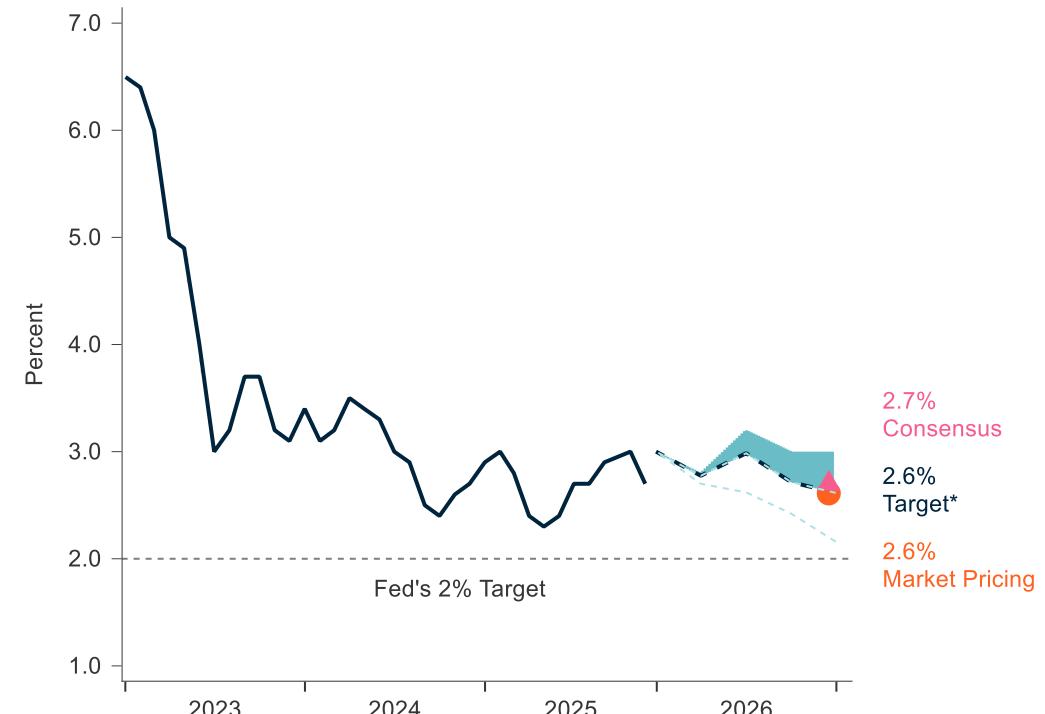
year-over-year percentage change



Data as of December 31, 2025

## US Inflation

year-over-year percentage change



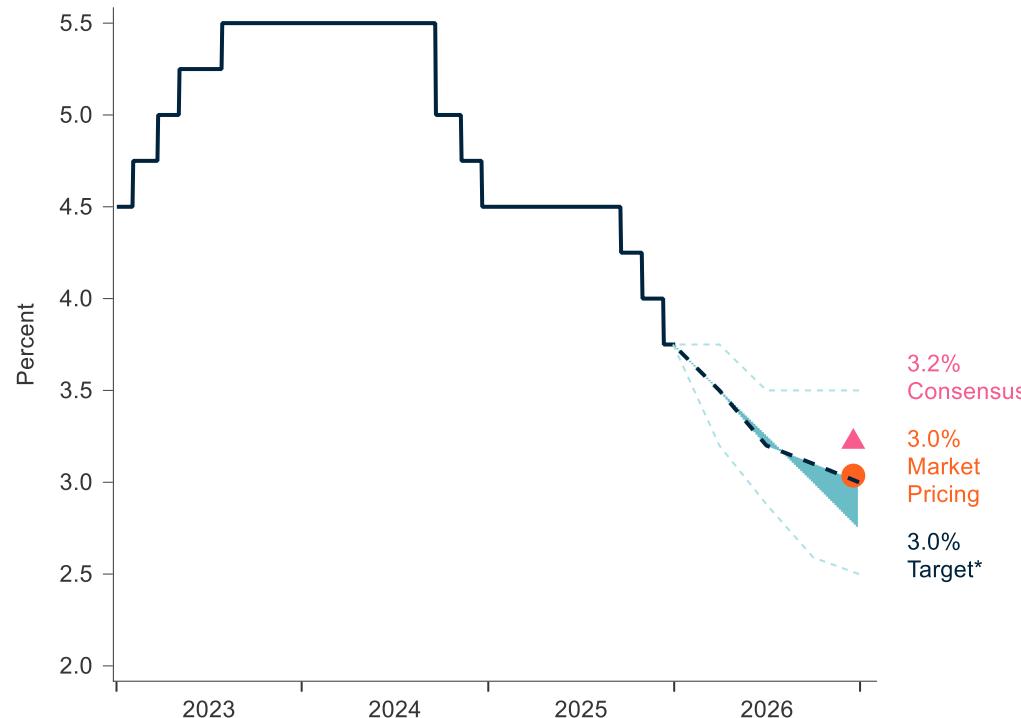
Data as of December 31, 2025

\*Target is the expected outcome based on the average of three scenarios weighted by how likely they are to occur. Area is the most likely range for the variable over the forecasted time horizon.

Source: BNY Investment Institute, Macrobond. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

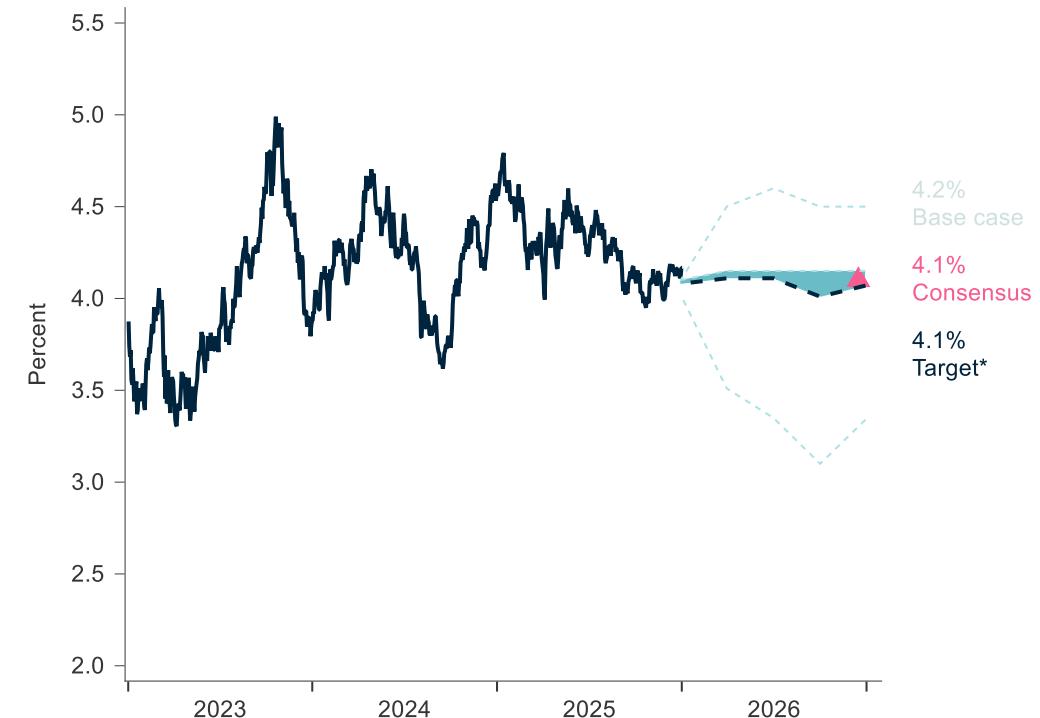
# Our Outlook vs. Consensus

## Federal Funds Rate



Data as of December 31, 2025

## 10Yr US Treasury



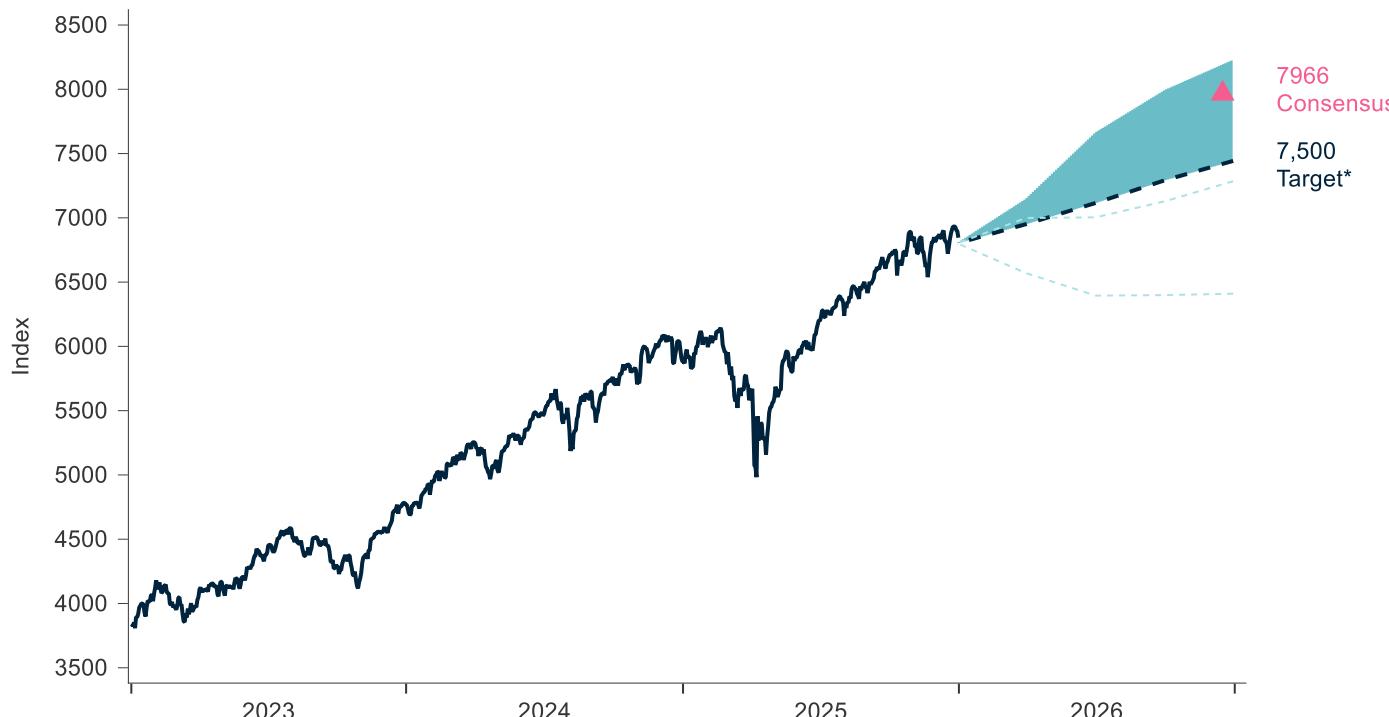
Data as of December 31, 2025

\*Target is the expected outcome based on the average of three scenarios weighted by how likely they are to occur. Area is the most likely range for the variable over the forecasted time horizon.

Source: BNY Investment Institute, Macrobond. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

# Our Outlook vs. Consensus

S&amp;P 500



Data as of December 31, 2025

\*Target is the expected outcome based on the average of three scenarios weighted by how likely they are to occur. Area is the most likely range for the variable over the forecasted time horizon.

Source: BNY Investment Institute, Macrobond. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

See slide 7: Scenarios in Brief for more details on each scenarios.

SCENARIO	Q4 2026
Expansion (35% probability)	
Earnings-per-share Estimate	301
Earnings Growth	+12%
Price/Earnings	24
Approximate Level	7,300
Return Estimate	+7%
Recovery (40% probability)	
Earnings-per-share Estimate	302
Earnings Growth	+12%
Price/Earnings	27
Approximate Level	8,300
Return Estimate	+21%
Slowdown (25% probability)	
Earnings-per-share Estimate	285
Earnings Growth	+6%
Price/Earnings	23
Approximate Level	6,400
Return Estimate	-6%
Prob. Weighted S&P 500 Level	7,500
Prob. Weighted Return Est.	+9%

As of December 2, 2025

# THEMES

02

# Complementing Equity with Infrastructure

Our base case for 2026 sees growth above trend and consensus and expect inflation to remain above target (see Vantage Point for details). An environment of stronger growth and modest price pressures should be conducive for risk assets. Notably, 2025 provided a textbook case study on the importance of diversification. We maintain our favorable view on infrastructure for equity exposure but greater stability, income benefits, and diversification.

## Correlation Matrix of Selected Assets

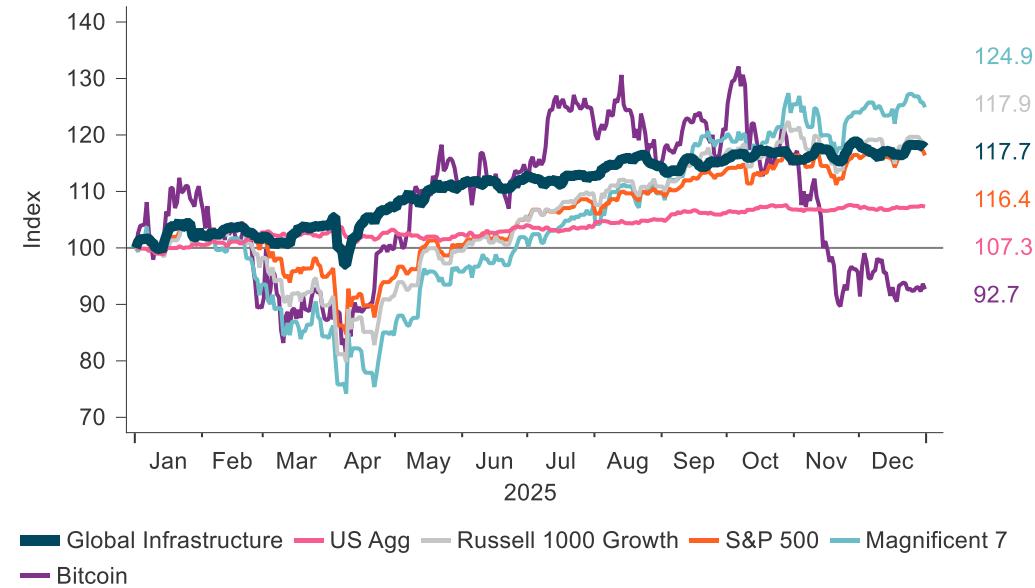
Trailing 1-year based on monthly returns

	1	2	3	4	5	6
1. Global Infrastructure	1.00					
2. Bitcoin	0.33	1.00				
3. Magnificent 7	0.19	0.58	1.00			
4. S&P 500	0.15	0.40	0.92	1.00		
5. Russell 1000 Growth	0.17	0.58	0.96	0.96	1.00	
6. US Agg	-0.22	-0.52	-0.33	-0.05	-0.15	1.00

Data as of December 31, 2025

## Selected Assets Performance in 2025

Rebased, 100 = 1/1/2025

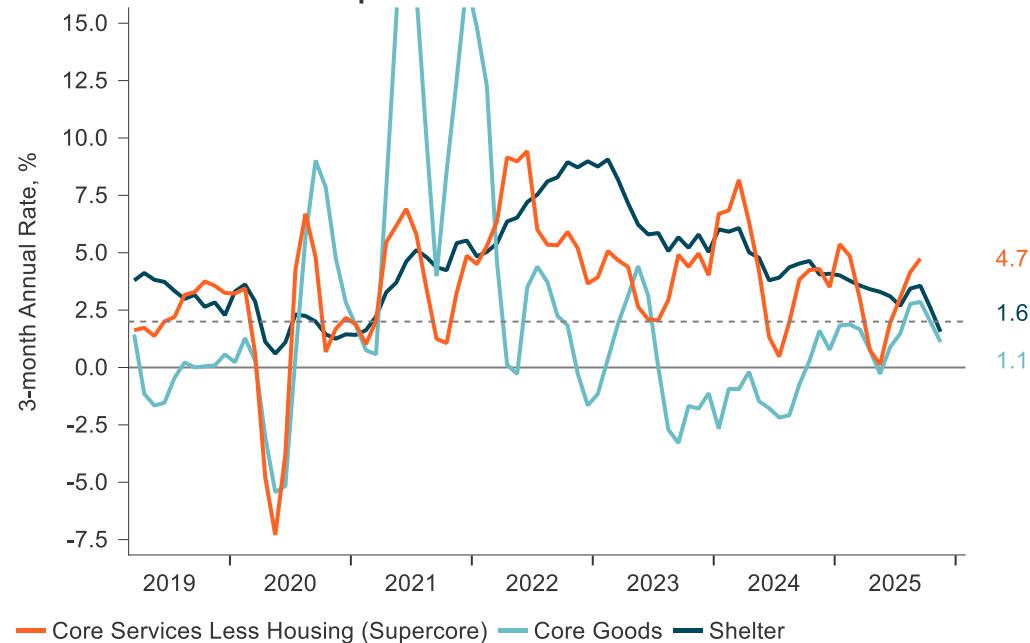


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Growth vs Value During Inflation Regimes

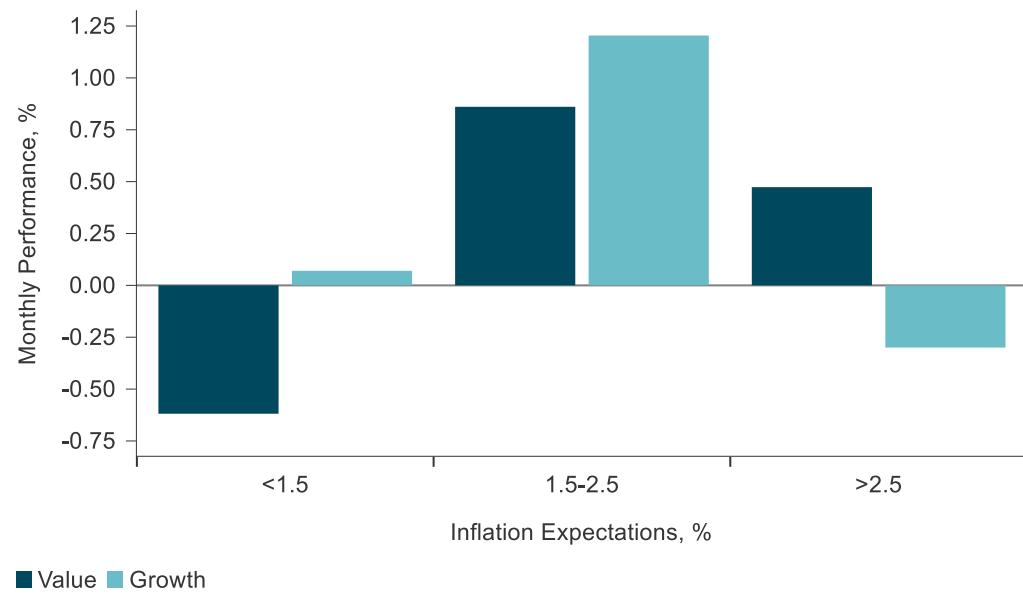
The effective tariff rate remains below that of the announced tariff rate. We think, as the effective rate closes in on the announced rate, there is scope for further goods price pressure.

US Core Inflation Decomposition



US Equity During Different Inflation Regime

Trailing 25-years

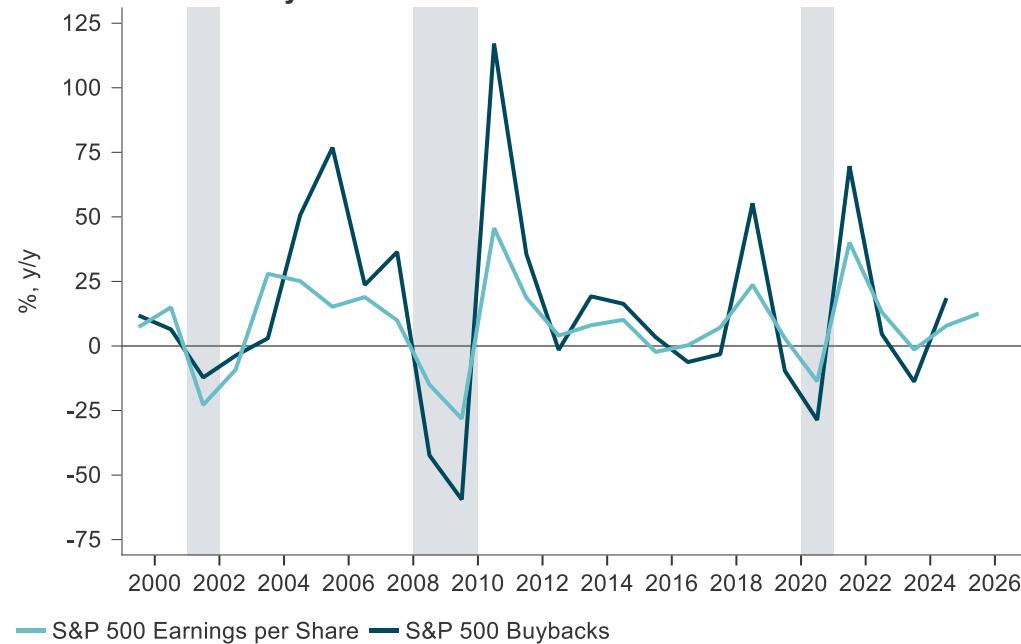


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Firm Behavior Amidst Uncertainty

Non-tech equipment spending remains largely flat compared to pre-COVID. But abating uncertainty, resilient cash flows, and incentives from the OBBBA could see higher CAPEX towards domestic equipment investment. A rotation towards CAPEX will likely reduce the pace of buybacks but continues to underscore the resiliency of U.S. equities.

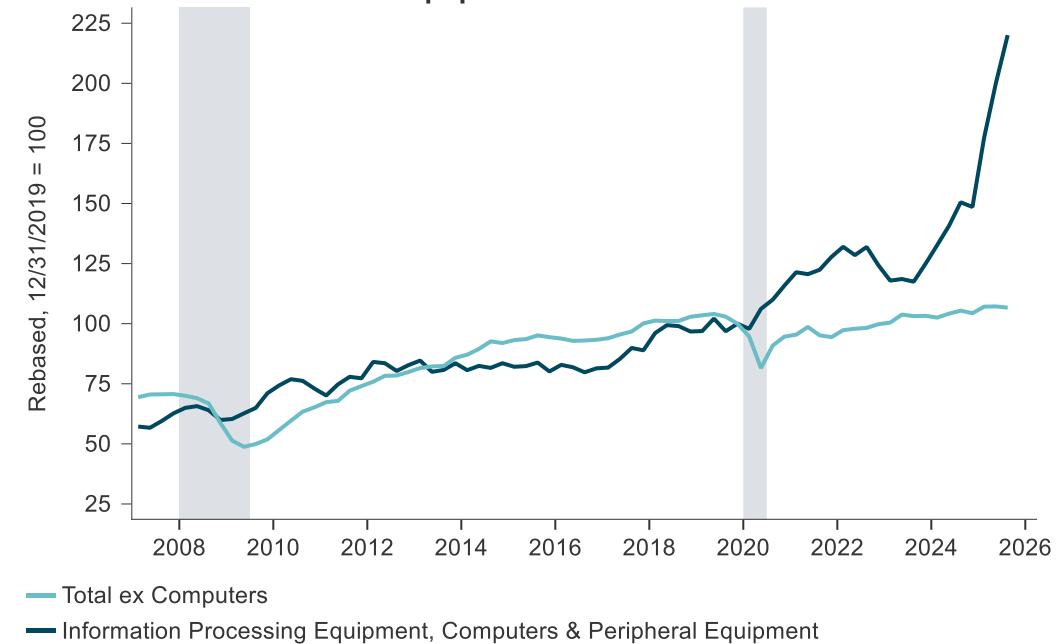
**S&P 500 Annual Buybacks and EPS Growth**



— S&P 500 Earnings per Share — S&P 500 Buybacks

Data as of December 31, 2025

**Private Fixed Investment - Equipment**



— Total ex Computers — Information Processing Equipment, Computers & Peripheral Equipment

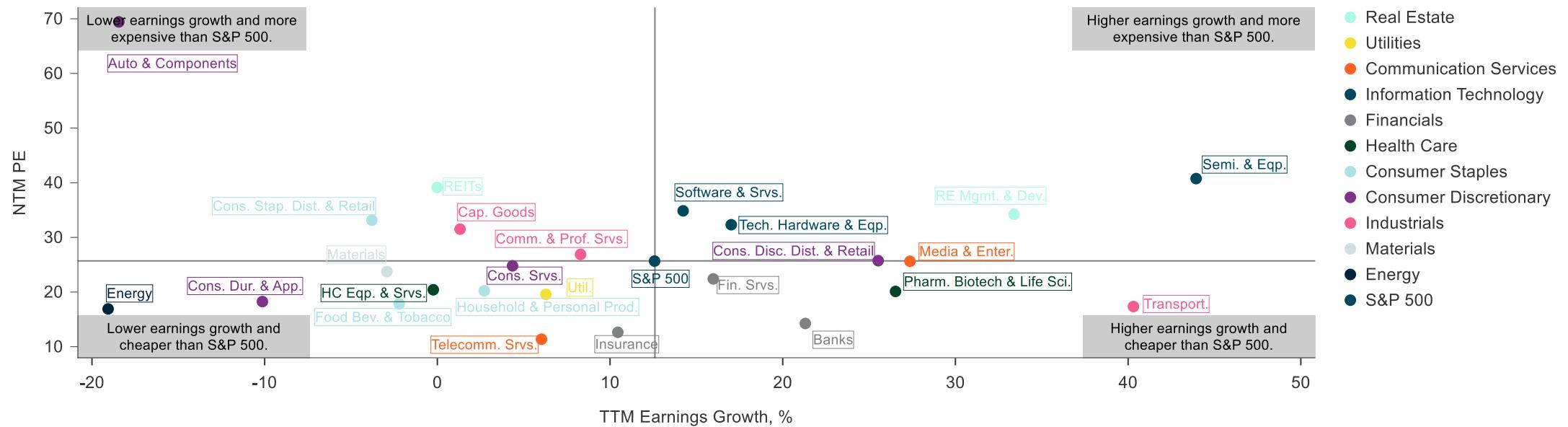
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Resilient Financials Earnings

The recent developments in the credit space have sparked questions regarding the broader corporate sector. While challenging to say with certainty given the lack of transparency, our view is that a credit bust is odds against. First, at the aggregate level, the US corporate sector has de-levered since the global financial crisis (GFC). Second, non-bank loans to the domestic sector have been trending downwards since the pandemic. Third, total loans to the domestic sector are currently at a 25-year low. Notably, financial services and banks have been growing earnings faster than the broader market but remains cheaper (lower right quadrant on the chart).

**S&P 500 Industry - Forward Price-Earnings & 12-month Trailing Earnings Growth**



Data as of December 31, 2025

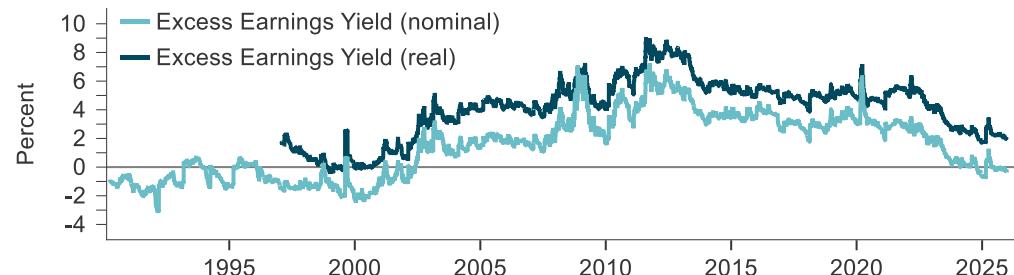
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. NTM: next 12-months; TTM: trailing 12-months.

# Case Study

Valuations are starting to move into extreme territory (i.e., negative excess earnings yield) but case studies suggest the peak is likely yet to come.

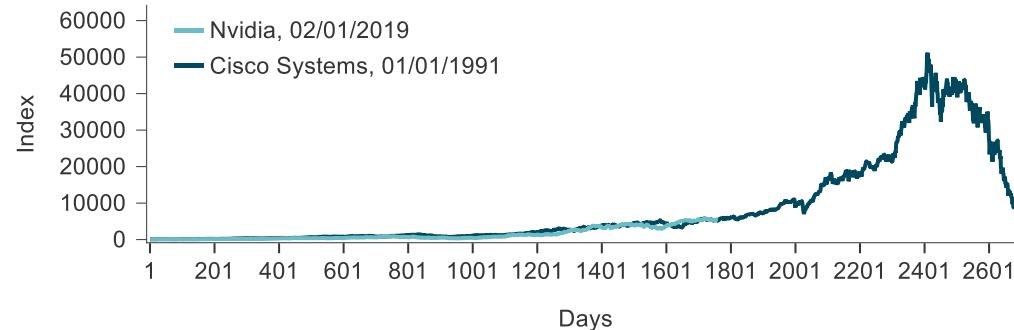
## S&P 500 - Excess Earnings yield

Earnings yield less 10-year Treasury (nominal or real) yield



Data as of December 31, 2025

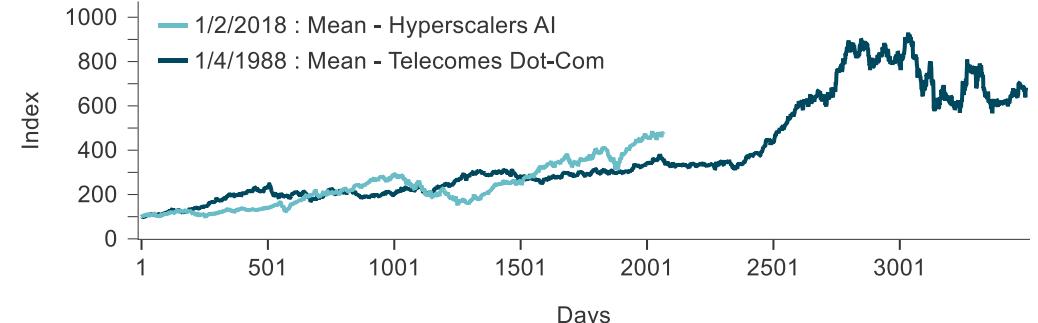
## NVIDIA vs Cisco



Data as of December 31, 2025

## Telecoms vs Hyperscalers

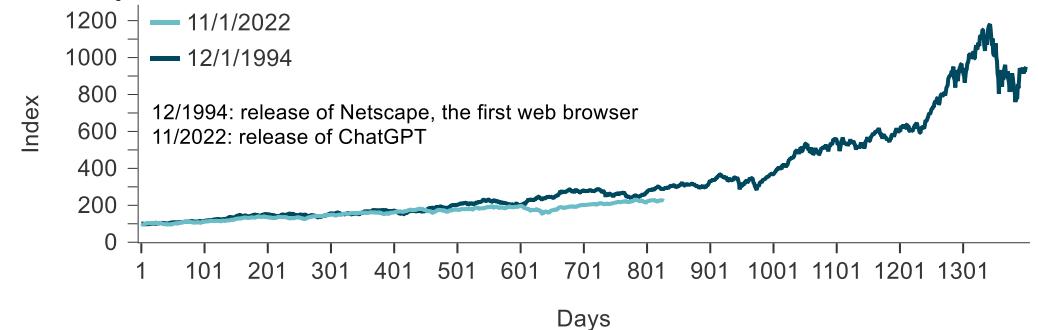
1/2/2018 : Mean - Hyperscalers AI  
1/4/1988 : Mean - Telecoms Dot-Com



Data as of December 31, 2025

## Nasdaq-100 Index

11/1/2022  
12/1/1994  
12/1994: release of Netscape, the first web browser  
11/2022: release of ChatGPT



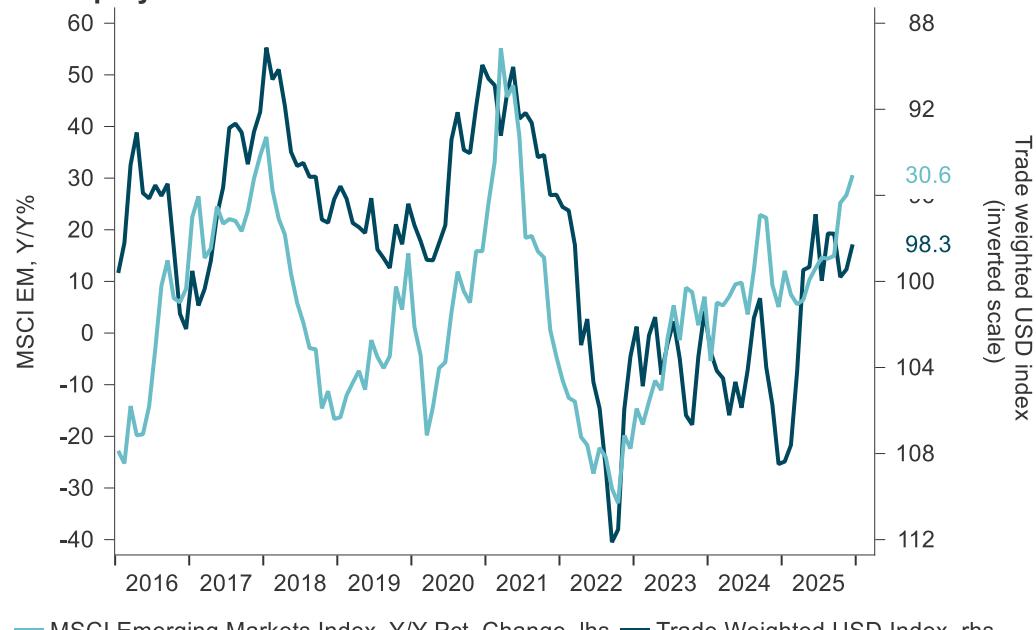
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

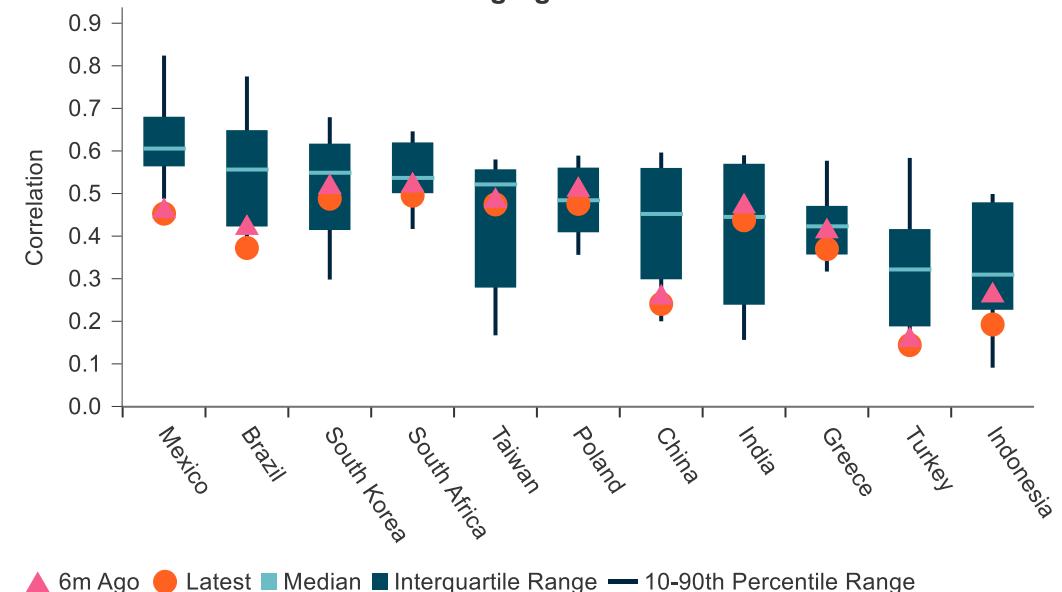
# Pockets of Opportunities in Emerging Markets

Most major EMs gained from export front-loading to the U.S. ahead of tariff deadlines. The payback has been softer than feared even as the U.S. economy has begun slowing. We think this reflects the continuing demand for semiconductors, electronics components, data centers, rare earths and precious metals, rising digitalization and cross-border services trade. Additionally, EMs are speeding up free trade agreements with the E.U., U.K. and with each other, tempering the adverse impact from U.S. tariffs alongside lower than feared reciprocal rates and exemptions. Over time, a re-balancing of trade toward non-U.S. locales and rising incomes at key EMs bode well.

EM Equity Returns vs USD Index



Return Correlation Between Emerging Markets & S&P 500

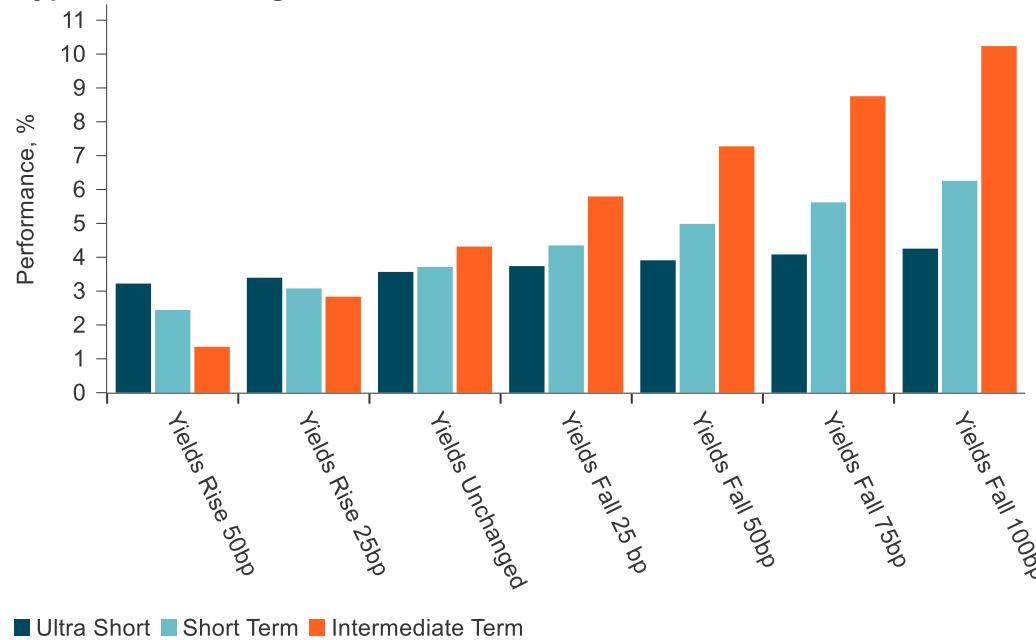


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices and additional disclosures in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Falling Cash Rates

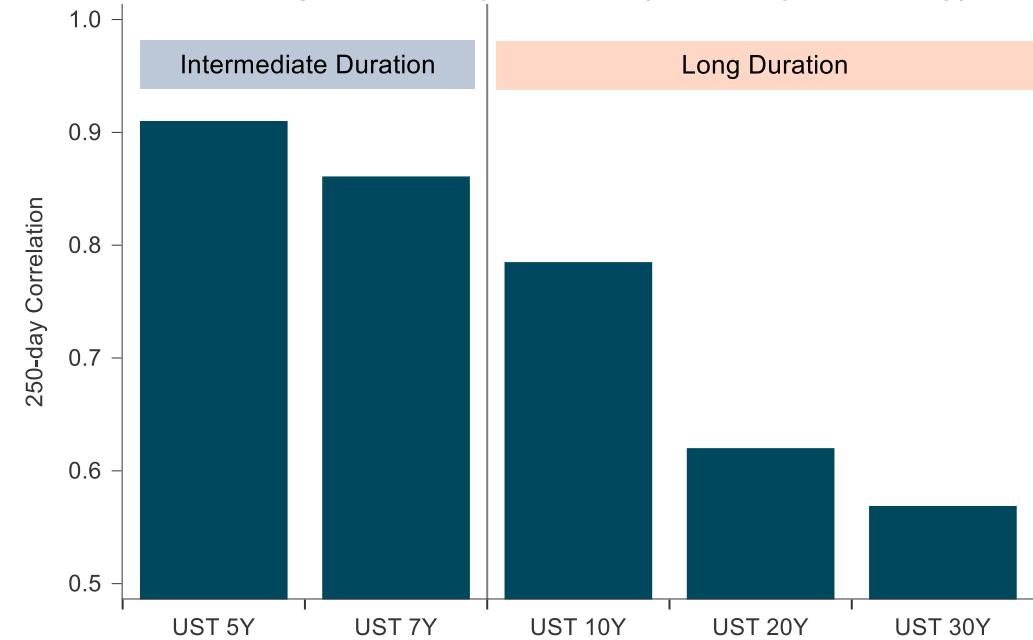
Fed loosening will lower cash rates. Higher yields make a better entry point into the belly of the curve where correlation with changes in Fed policy rate expectations is highest. We think fiscal concerns and recovery in growth put upward pressure on 10-year yields. Intermediate duration is relatively attractive.

Hypothetical Change in Yield Over 12 Months & Performance



Data as of December 31, 2025

Correlation to Changes in UST 2-year Yields (Fed Policy Rate Proxy)



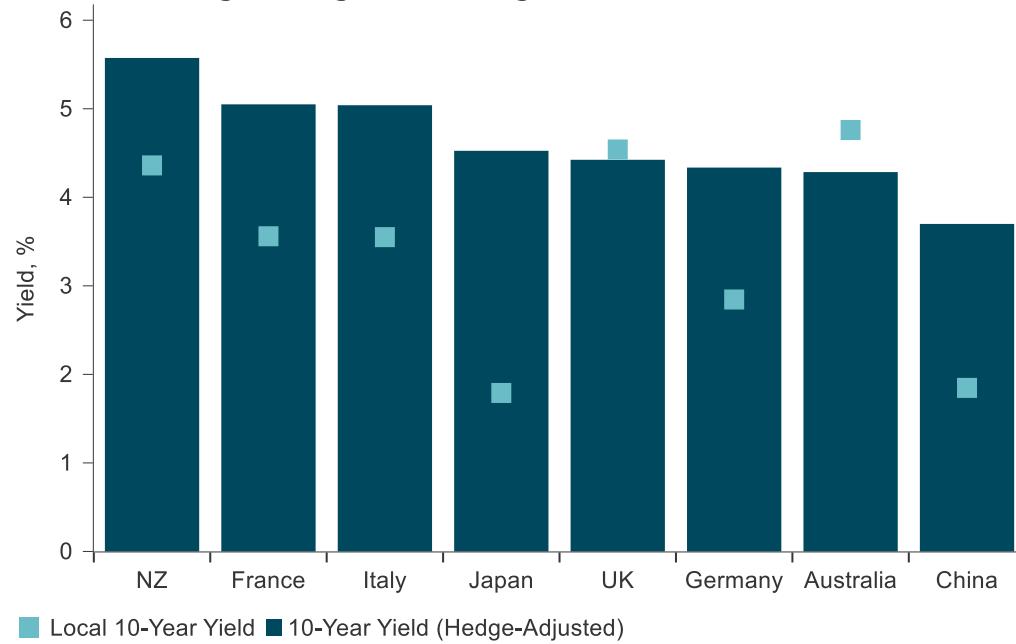
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices and additional disclosures in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Capturing Differences in Interest Rates

After a decade of yield scarcity, government bond yields have moved higher across the board. Moreover, USD hedged exposure boosts income and, potentially, even total return by exploiting relatively higher short-term US interest rates (even after expected Fed cuts). Historically, it also helped lower the dispersion of the strong positive relationship of elevated yields with ex-ante performance. We continue to favor (USD-hedged) yields over spreads.

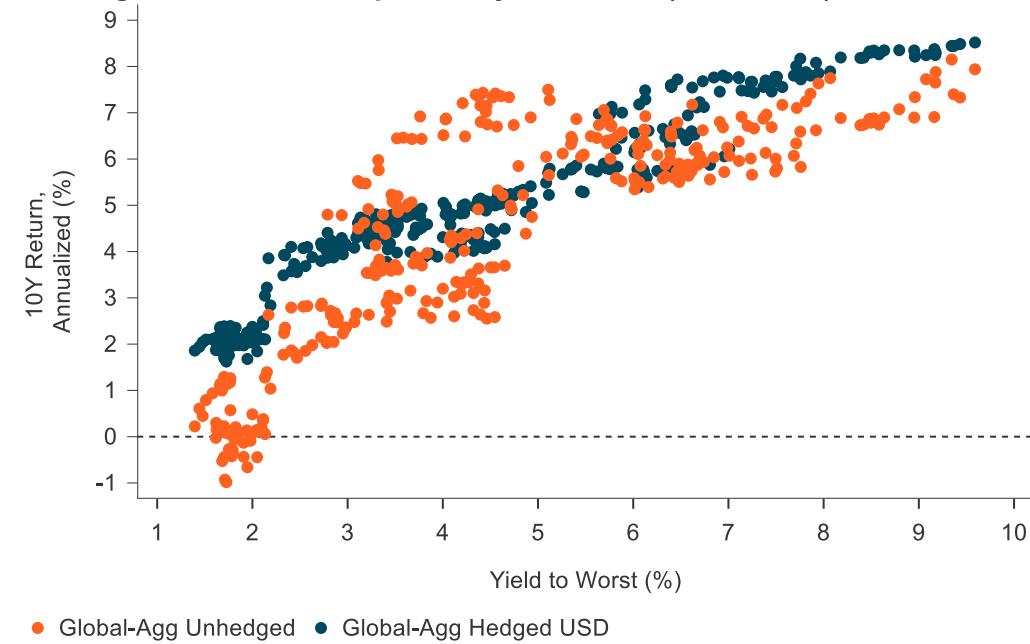
Global Sovereigns Hedged & Unhedged



■ Local 10-Year Yield ■ 10-Year Yield (Hedge-Adjusted)

Data as of December 31, 2025

Starting Yield and Subsequent 10-year Return (since 1990)



● Global-Agg Unhedged ● Global-Agg Hedged USD

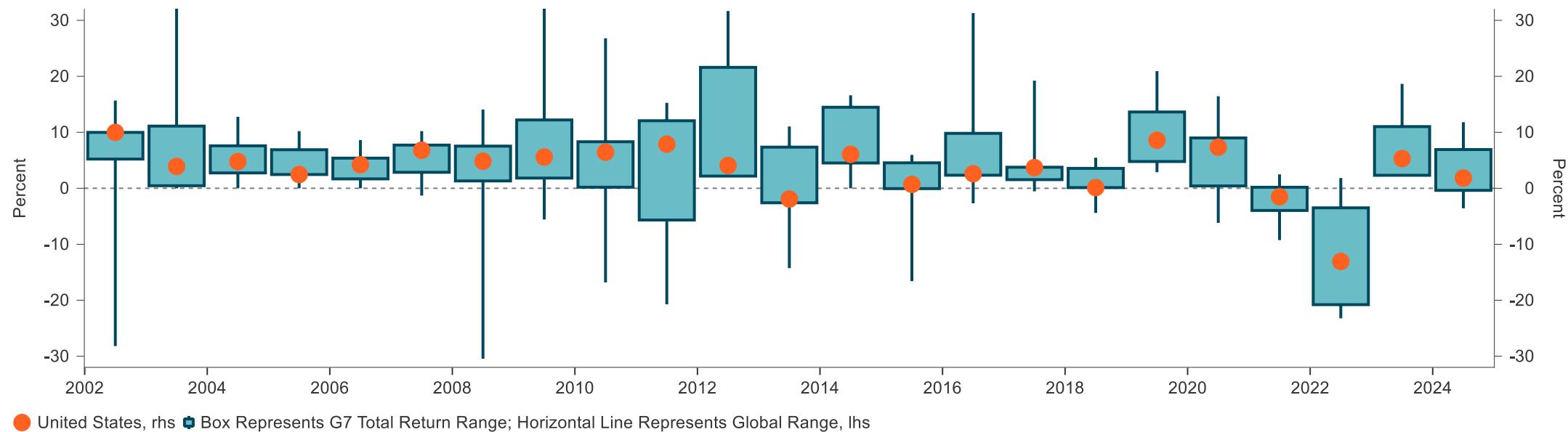
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Case for Active Duration

Uncertainty has slowly abated, albeit remains elevated. We expect differentiated global economic performance from targeted U.S. trade policies and geopolitics, effectively, leading to differentiated monetary policy cycles and, ultimately, higher dispersion in fixed income returns across geographies. These different pieces of the puzzle – growth, inflation, and policy, and its asynchrony globally – may result in a macro environment particularly conducive to active management.

## Historical Return Range



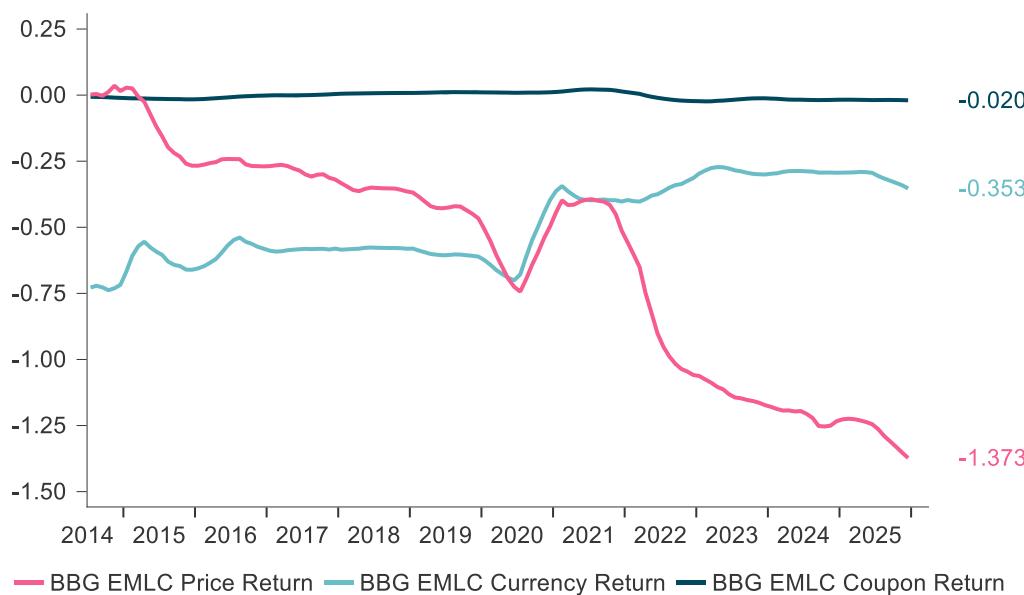
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices and additional disclosures in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

# Emerging Market Local Debt

High EM real rates amidst easing inflation and stable-to-weaker trend in USD are driving EM monetary easing. We expect continuing price gains through FX as well as duration channels. Relatively low FX carry is a risk but is offset by reasonable macro fundamentals and policy management.

## Bloomberg EMLC Diversified Index Component 'Betas' to DXY

Rolling regression slope coefficients, monthly data (5 years)



Data as of December 31, 2025

## Emerging Market Inflation & Real Yields



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. BBG EMLC: Bloomberg EM Local Currency Gov 10% Country Capped Total Return Index.

# Potential Hedge for Inflation and Macro Volatility

Historically, gold has demonstrated notable multi-year price increases during periods marked by financial shock/uncertainty, supply shock/disruptions, and inflation persistence. In contrast, during more stable times characterised by peace, globalization, and steady U.S. inflation, gold prices have generally declined or remained stable over extended durations. Given current global geopolitical dynamics, we view gold favourably for its potential as a hedge against macroeconomic volatility and inflation.

## Relative Price of Gold

Relative to U.S. CPI, Brent, Copper & rebased to 100 in February 2022



## Gold Price Response to Politically Driven Shocks

Includes episodes encompassing severe financial and geopolitical shocks, since the early 1970s

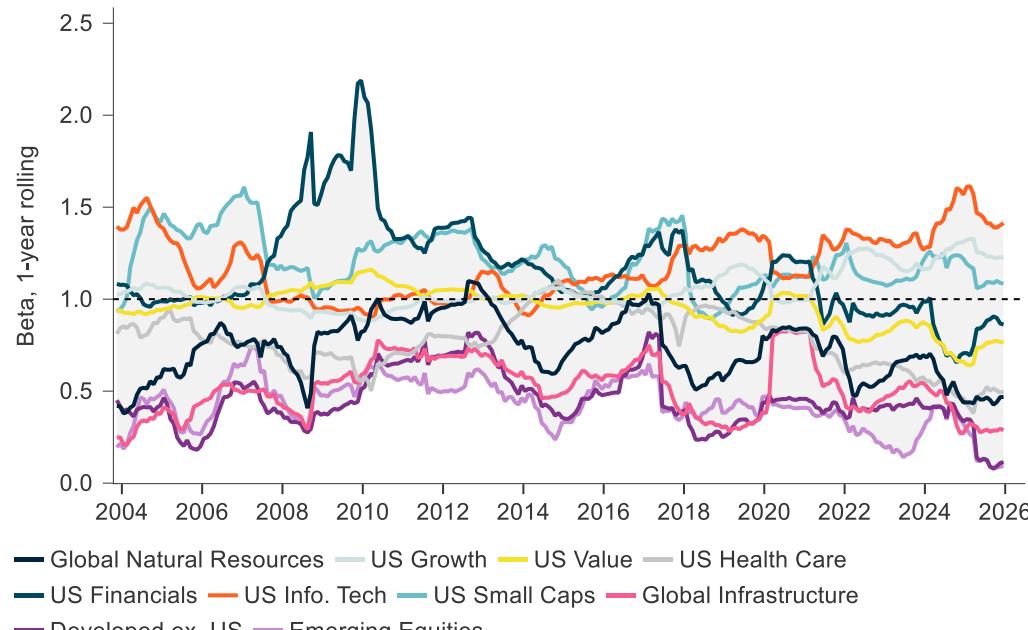


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results.

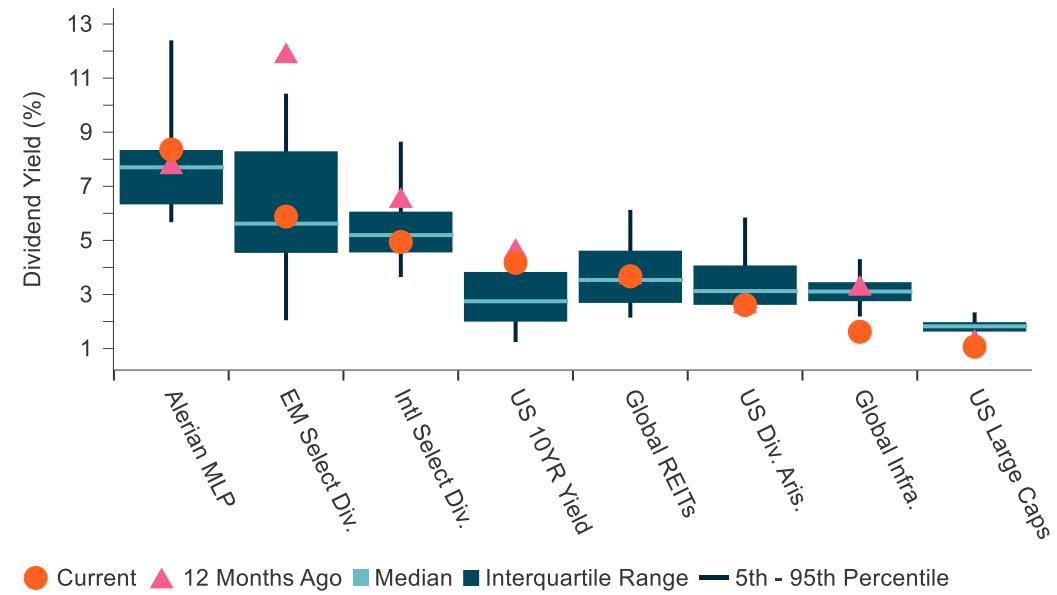
# Well Diversified Approach

Policy uncertainty remains elevated, but global stimulus is a significant offset. Risks of deterioration in the near-term macro data persist from the lagged effects of the tariff shock but 2026 is optimistic from monetary and fiscal loosening. The AI theme is expected to continue, but with more scrutiny from investors. Cyclical considerations and concentration risks may introduce volatility, which warrants a well-diversified approach across geographies.

Beta vs. S&P 500



Dividend Yield Across Assets



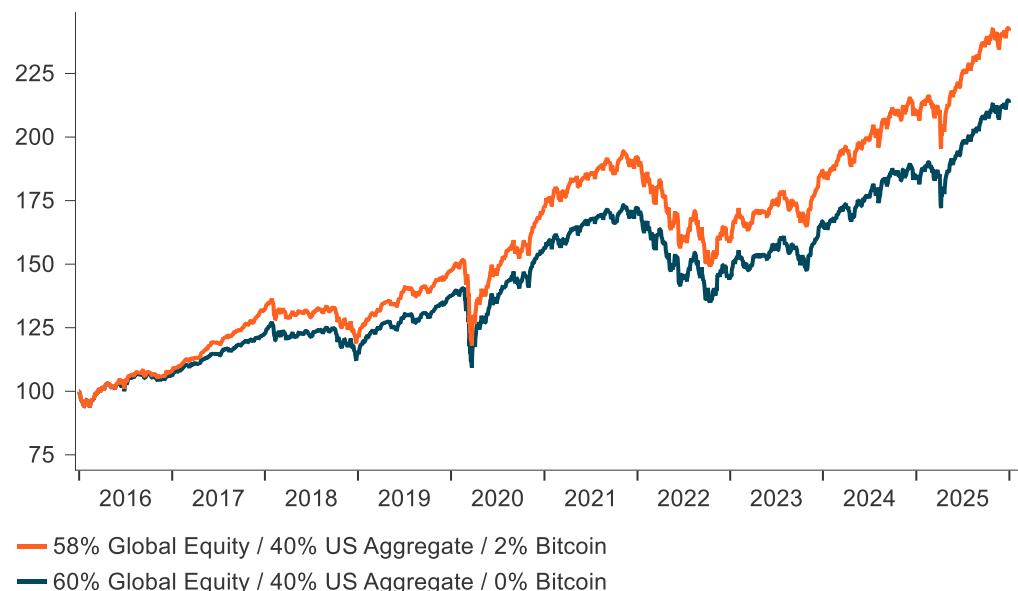
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. Beta: measure of an asset sensitivity to the market. Dividend yield: sum of dividend over the trailing 12-months divided by the current share price.

# Digital Allocations

Paul Atkins, former co-chair of Token Alliance, was appointed chair of the SEC, marking a major shift toward favorable regulation for digital assets and fueling another surge in Bitcoin's price. While digital assets have offered strong returns, they remain highly risky—about five times as volatile as equities—due to regulatory uncertainty, extreme price swings, and emerging cybersecurity threats like quantum computing.

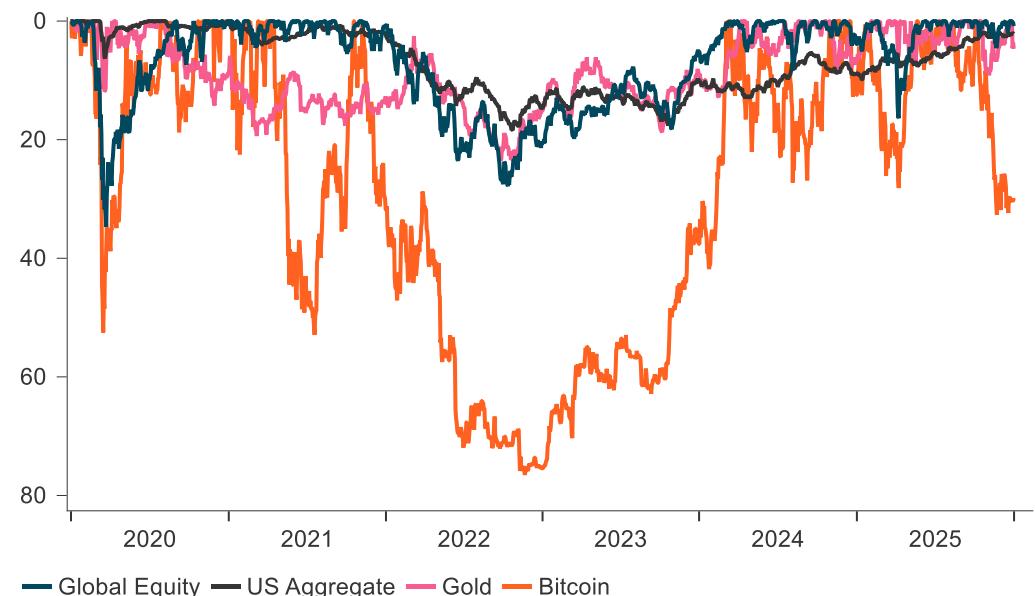
## Impact of a 2% Bitcoin Allocation on a 60/40 Portfolio

Simulation of \$100 invested on December 31, 2015



## Traditional Assets vs. Bitcoin

Drawdown in Percent



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. Global Equity: MSCI All Country World Index Investable Market Index. US Aggregate: Bloomberg US Aggregate Index. Bitcoin: Bloomberg Bitcoin Index. Gold: Bloomberg Gold Subindex.

# ASSET CLASS VIEWS

03

# Summary



ASSET	VIEW	DELTA	COMMENTARY
Global Equity	●	▲	The global economy is showing resilience and stimulus is picking up, but downside risks to growth persist in the near-term. Despite this, recession risks are odds against, the US has also entered a new phase of policy easing, and previous rate cuts in other regions are expected to keep supporting the ongoing economic cycle.
Gov. Bonds	●	▼	As growth recovers, yields should see upward pressure. We remain underweight US Treasuries vs international sovereign bonds, due to worsening fiscal fundamentals and ongoing US inflation risks. Elevated yields do entrench favorable income returns.
Credit	●	---	Spreads remain compressed. There is less upside in credit from the AI theme. Trade volatility and economic uncertainty may weigh on consumption and overall growth. We expect a rotation toward cheaper, safer fixed income assets. We prefer higher quality credits over HY, European credits over US. We favor active credit selection to manage spread risk.
Real Assets	●	---	Maintain favorable view on real asset diversifiers, such as precious metals, given macro volatility and inflation hedging potential. We have a favorable view on real return strategies, infrastructure, and natural resources.
Cash	●	---	We see merit in putting cash to work as policy loosening will lower cash rates. Higher yields make a better entry point into the belly of the curve. Intermediate duration is relatively attractive. We view absolute return strategies capable of exploiting monetary and fiscal divergence.

EQUITY	VIEW	DELTA
DM Equity	●	---
US Equity	●	▲
UK Equity	●	---
Europe ex. UK Equity	●	---
Japan Equity	●	---
EM Equity	●	---
China Equity	●	---
EM ex China Equity	●	---

FIXED INCOME	VIEW	DELTA
US Treasuries	●	---
Intl. Sovereign Debt	●	▲
UK Gilts	●	---
German Bunds	●	---
JGBs	●	---
Inflation Protected	●	---
Global IG	●	---
High Yield	●	---
EM Debt - Local	●	---
EM Debt - USD	●	---

Source: BNY Investment Institute as of December 18, 2025. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

# Equity

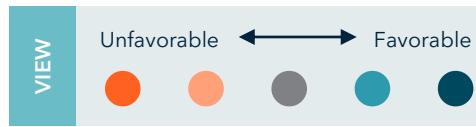


ASSET	VIEW	DELTA	COMMENTARY
DM Equity	●	---	Policy uncertainty remains elevated, but global stimulus is a significant offset. Risks of deterioration in the near-term macro data persists from the lagged effects of the tariff shock but 2026 is optimistic from monetary and fiscal loosening. The AI theme is expected to continue, but with more scrutiny from investors. Cyclical considerations and concentration risks may introduce volatility, which warrants a well diversified approach across geographies.
US Equity	●	▲	Labor market weakness and abating but still elevated policy uncertainty could see markets remaining sensitive to the macro data in the near-term. Disagreement at the Fed on the future path for policy rates may also lead to greater US equity volatility. Expectations for AI led productivity gains, and significant AI-related capex, limit deep downside risks in the near term. Further policy loosening and a cyclical recovery should be a supportive backdrop for small caps.
UK Equity	●	---	UK equities are attractive for income-seeking investors given elevated yields. We see income-equities as a hedge against structurally higher inflationary risks in the global economy.
Europe ex UK Equity	●	---	We see the ECB as remaining on hold as growth picks up in 2026 and inflation remains around target. We expect the lagged effects of policy loosening and greater fiscal stimulus as supporting the cycle. De-escalation of the Ukraine-Russia war could be a catalyst for performance in 2026. In relative terms, we think selected European indices (e.g., Spain, Italy) or Styles (Value, Income) can keep outperforming. Small caps trading at relative discounts to large caps are becoming attractive. However, the broader European market may lag as global trade and industrial production suffers from US trade policy.

ASSET	VIEW	DELTA	COMMENTARY
Japan Equity	●	---	Consumption and household incomes to be boosted in 2026 by easing inflation (towards the Bank of Japan's 2% target) and rising wages. Nominal growth to remain higher than 3% y/y. The JPY should stabilize on BOJ normalization (& Fed rate cuts) but the real exchange rate should stay competitive and sustain a modest expansion of foreign receipts and income.
EM Equity	●	---	Emerging markets to be boosted by a stable-to-weaker USD, local rate cuts and stable-to-improving activity at G3 economies and China. The AI-related capex pickup is generating new opportunities and providing an important offset against lingering drags from US tariffs. EM equities are cheap and will gain from long-term supply chain rotation.
China Equity	●	---	The trade truce with the US to limit external shocks. But further Sino-US de-coupling to persist (albeit, more gradually). The tech sector is a bright spot, and property is on a better footing. Further stimulus to re-balance the economy and curb deflation is needed and should be forthcoming.
EM ex China Equity	●	---	Electronics oriented EMs should continue reaping gains from strong AI-driven semiconductor orderbooks. Commodity intensive EMs to benefit from rising data-center related metals and minerals demand. China stabilization to also help. Relative advantages versus China (such as lower tariffs) likely to provide a leg-up, valuations are fair-to-attractive. Country-and-sector correlations are lower.

Source: BNY Investment Institute as of December 18, 2025. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

# Fixed Income



ASSET	VIEW	DELTA	COMMENTARY
US Treasuries	●	■ ■ ■	We see lingering risks to growth in the near-term but also inflation pressures that the Fed will likely look through. Large deficits remain a risk, but attractive yields and correspondingly favorable income returns keep us engaged. We are cautious on the prospect of limited duration gains and elevated volatility. We prefer Treasury inflation-protected securities (TIPS) to nominal US Treasuries.
Intl. Sovereign Debt	●	▲	FX hedged income returns in selected DM countries remain attractive in absolute terms and versus US Treasuries (we retain an overweight to UK Gilts and neutral view on German Bunds and JGBs). A weakening US dollar makes the asset class attractive on a non-FX hedged basis as well. Market is pricing in rate hikes for several DM central banks, but we see these expectations as premature. We see greater risks of interest rates repricing higher in the US vs rest of developed economies.
UK Gilts	●	■ ■ ■	Attractive income returns. Hit to global demand due to the tariff slowdown should be disinflationary over the next 12 months. Softening labor market should exert downward pressure on wage growth.
German Bunds	●	■ ■ ■	Lower income returns offered than several comparable government bonds, but if FX hedged the opposite is true. Economic backdrop remains weak and a slowdown in growth is expected in the second half of 2025. Fiscal news to support better growth prospects for 2026.
Japanese Government Bonds (JGBs)	●	■ ■ ■	Relatively lower income returns and normalizing BoJ policy. But long-term yields are attractive, and FX hedges raise vol-adjusted return potential. Fiscal accounts have improved on a trend basis but could face modest pressure on new government's pro-growth policies.

ASSET	VIEW	DELTA	COMMENTARY
Inflation Protected	●	■ ■ ■	Real rates expectations have normalized from overly optimistic (i.e., negative real rates) expectations. We expect above target inflation over the next 12 months, which is in line to slightly above market expectations.
Global IG	●	■ ■ ■	Our outlook is constructive on credit, but spreads are rich and there is a limit in how much narrower they can get. Yield remains attractive, but we prefer using credit as a funding source. Whilst IG may hold up better than HY, risk-adjusted and relative-returns are not compelling.
High Yield	●	■ ■ ■	Spreads are rich and we stay underweight. Amid heightened trade and financial volatility, weakening energy and industrial commodity prices and reactive Fed policy easing, we see the likelihood of spreads re-widening on HY corporates' stalling margins and re-financing pressures. Relative preference, within the space, is for short duration positioning for credit visibility and carry.
EM Debt - Local	●	■ ■ ■	Even after recent local rate cuts, EM real rates are still high. A stable to weaker trend in the USD should present additional price gains through FX as well as duration channels. Relatively low FX carry is a risk but is offset, for now, by reasonable macro fundamentals, financial flexibility, and policy management at most major EMs.
EM Debt - USD	●	■ ■ ■	Valuations are less expensive in comparison with global IG and HY credits. Our neutral view balances decent policy buffers, flexible currencies and a softer tone in the US dollar against the odds of a near-term softening in global trade flows in early 2026.

Source: BNY Investment Institute as of December 18, 2025. The views presented should not be construed as investment or portfolio construction recommendations, nor a recommendation to buy or sell any security or asset class. This is a summary of our individual asset class views, indicating our views of conviction and relative preferences across a broad-based range of assets classes, and is independent of any specific portfolio construction considerations. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. Views expressed are those of the Investment Institute and do not reflect views of other managers or the firm overall. This information contains projections or other forward-looking statements regarding future events, targets, or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information in this presentation is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons.

# Monthly Snapshot

## Global Equities

(USD, % chg. TR)

	Level	MTD	QTD	YTD	1Y	3Y (AR)	2024
MSCI All-Country World	---	1.1%	3.4%	22.9%	22.9%	21.2%	18.0%
MSCI World - DM	---	0.8%	3.2%	21.6%	21.6%	21.7%	19.2%
MSCI EAFE	---	3.0%	4.9%	31.9%	31.9%	17.8%	4.3%
MSCI EM	---	3.0%	4.8%	34.4%	34.4%	17.0%	8.1%

## Country Equities

(% chg. TR)

	Level	MTD	QTD	YTD	1Y	3Y (AR)	2024
US (S&P 500)	---	0.1%	2.7%	17.9%	17.9%	23.0%	25.0%
US (NASDAQ)	---	-0.5%	2.7%	21.1%	21.1%	31.4%	29.6%
US (Russell 2000)	---	-0.6%	2.2%	12.8%	12.8%	13.7%	11.5%
Japan (NIKKEI 225 JPY)	---	0.3%	12.2%	28.7%	28.7%	26.9%	21.3%
EU (STOXX 600 USD Hedged)	---	2.9%	6.8%	23.7%	23.7%	17.3%	10.6%
UK (FTSE 100 GBP)	---	2.3%	6.9%	25.8%	25.8%	14.2%	9.7%
France (CAC 40 EUR)	---	0.5%	3.6%	14.3%	14.3%	11.5%	0.9%
Germany (DAX 30 EUR)	---	2.7%	2.6%	23.0%	23.0%	20.7%	18.8%
China (MSCI China USD)	---	-1.2%	-7.3%	31.4%	31.4%	11.9%	19.7%

## Fixed Income

(USD, % chg.)

	Level	MTD	QTD	YTD	1Y	3Y (AR)	2024
Global Treasury ex. US	---	-0.4%	0.4%	2.0%	2.0%	4.7%	4.2%
US Treasury	---	-0.3%	0.9%	6.3%	6.3%	3.6%	0.6%
Global IG Corporate	---	-0.1%	0.9%	7.1%	7.1%	6.6%	3.7%
Global High Yield	---	0.8%	2.4%	10.0%	10.0%	11.5%	10.7%
S&P Municipal Bond IG	---	0.3%	1.5%	5.6%	5.6%	3.9%	0.9%
US Leveraged Loans	---	0.6%	1.2%	5.9%	5.9%	9.4%	9.0%
EM USD Denominated	---	0.4%	2.4%	11.1%	11.1%	8.9%	6.6%

## Commodities

(USD, % chg.)

	Level	MTD	QTD	YTD	1Y	3Y (AR)	2024
Bloomberg Commodity Index	276.3	-0.3%	5.8%	15.8%	15.8%	4.0%	5.4%
Oil (WTI, USD / Barrel)	57.4	-2.1%	-7.9%	-19.9%	-19.9%	-10.6%	0.1%
Gold (USD / Troy Ounce)	4308.0	3.6%	13.2%	65.0%	65.0%	33.5%	26.6%

## Spreads

(OAS, bp chg.)

	Level	MTD	QTD	YTD	1Y	3Y	2024
US IG Corporate	0.78%	-2	4	-2	-2	-52	-19
US High Yield	2.66%	-3	-1	-21	-21	-203	-36
EM USD Denominated	1.78%	-10	-21	-42	-42	-161	-77

## Key Rates

(bp chg.)

	Level	MTD	QTD	YTD	1Y	3Y	2024
SOFR	3.87%	-25	-37	-62	-62	-43	-89
2Y US Treasury	3.47%	-2	-14	-77	-77	-95	-1
10Y US Treasury	4.17%	15	2	-40	-40	29	69
10Y German Bund	2.86%	17	14	49	49	28	34
10Y UK Gilt	4.48%	4	-22	-9	-9	81	103
10Y Japanese Bond	2.07%	25	42	97	97	164	49
US 30Y Fixed Rate Mortgage	6.25%	-11	-11	-103	-103	-41	29

## Foreign Exchange

(vs. USD, % chg.)

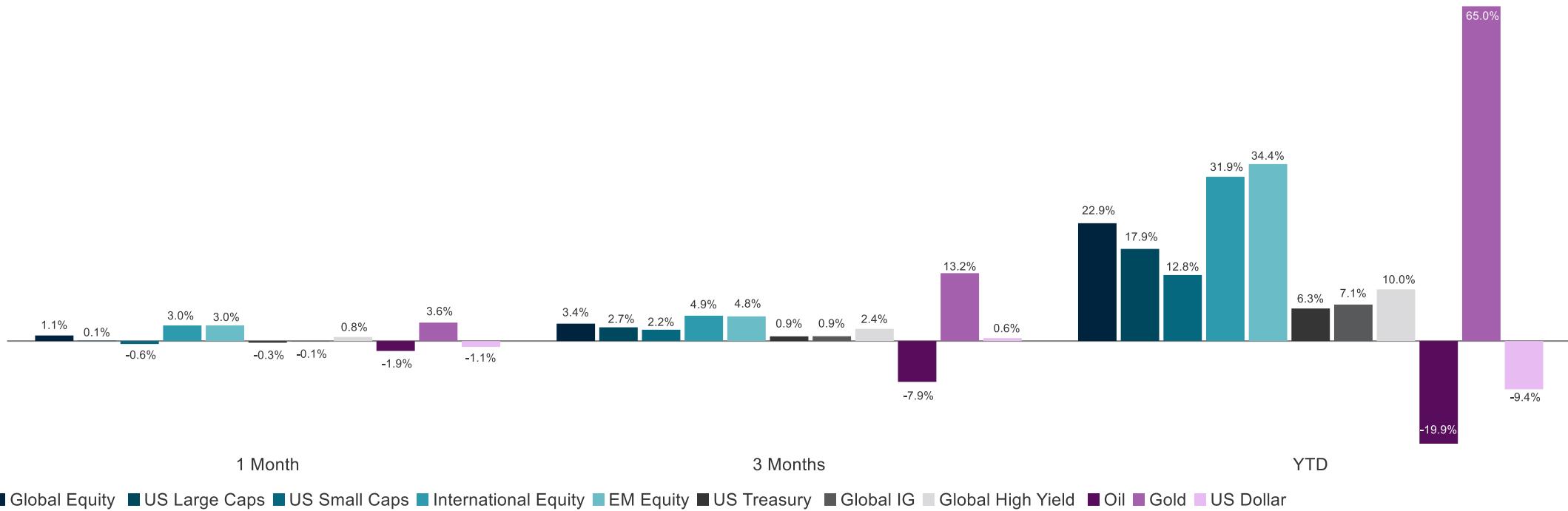
	Level	MTD	QTD	YTD	1Y	3Y (AR)	2024
USD - Majors Dollar Index	98.3	-1.1%	0.6%	-9.4%	-9.4%	-1.7%	7.1%
Euro	1.2	1.3%	0.1%	13.4%	13.4%	3.1%	-6.2%
British Pound	1.3	1.8%	0.2%	7.7%	7.7%	3.7%	-1.7%
Japanese Yen	156.7	-0.3%	-5.6%	0.3%	0.3%	-5.8%	-10.3%

Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Asset Class Performance

## Asset Class Returns



Data as of December 31, 2025

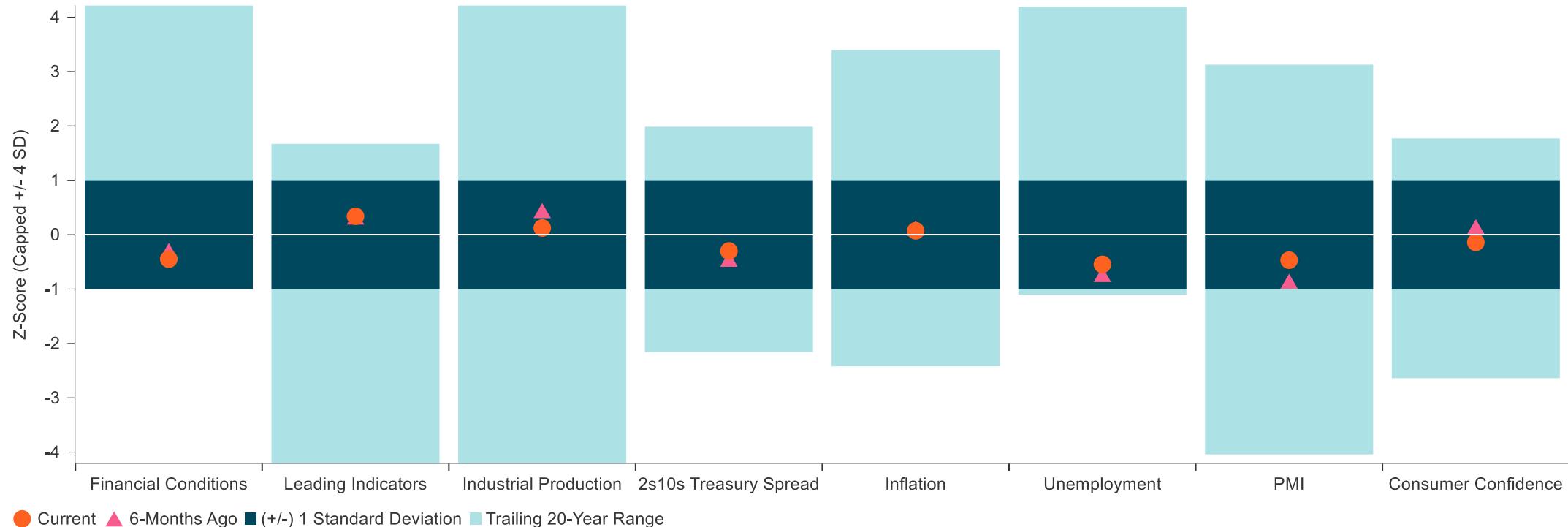
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# US MACRO



# Key Macro Indicators

## US Economic Indicators



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Data has been standardized for illustrative purposes over a period of the trailing 20 years as of date in chart above.

# Key Market Indicators

## Market Indicators



● Current ▲ 6-Months Ago ■ (+/-) 1 Standard Deviation ▲ Trailing 20-Year Range

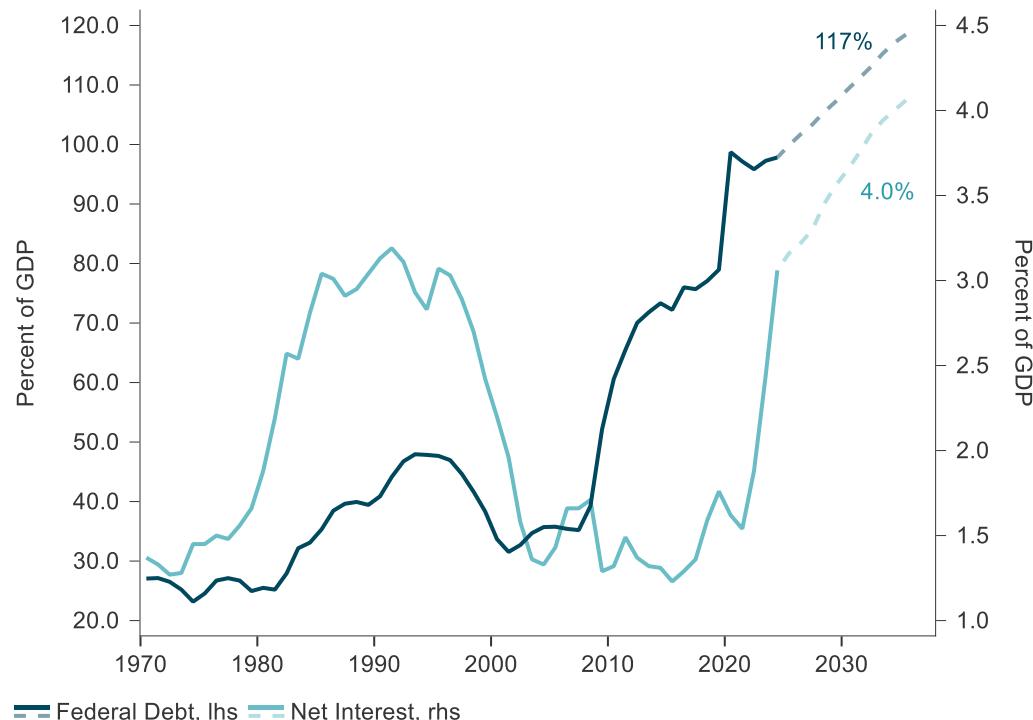
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Data has been standardized for illustrative purposes over a period of the trailing 20 years as of date in chart above.

# Federal Finances

## Federal Debt & Net Interest Cost

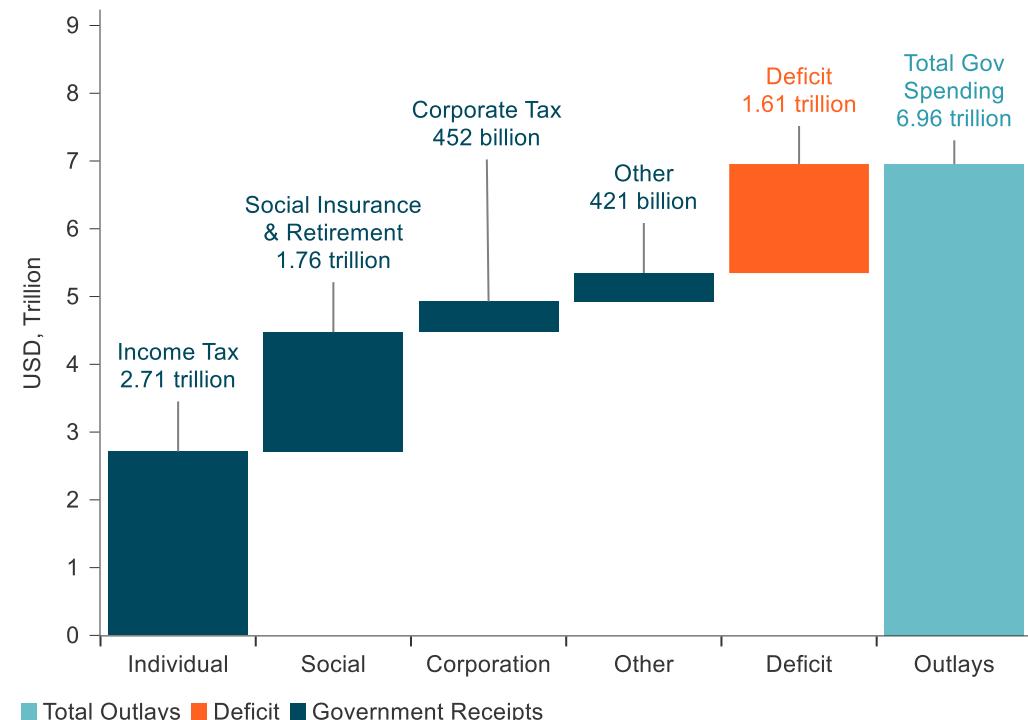
Congressional Budget Office (CBO) projections



Data as of December 31, 2025

## US Government Receipts vs. Outlays (Trailing 12-months)

Annual statistics calculated on 12 month rolling sum basis

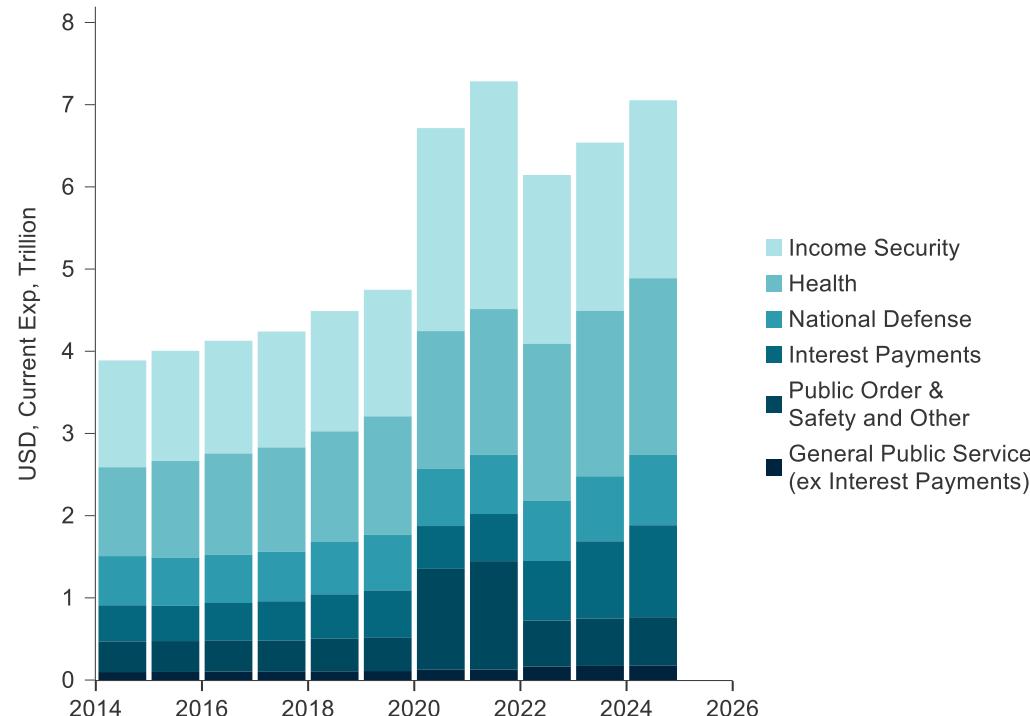


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

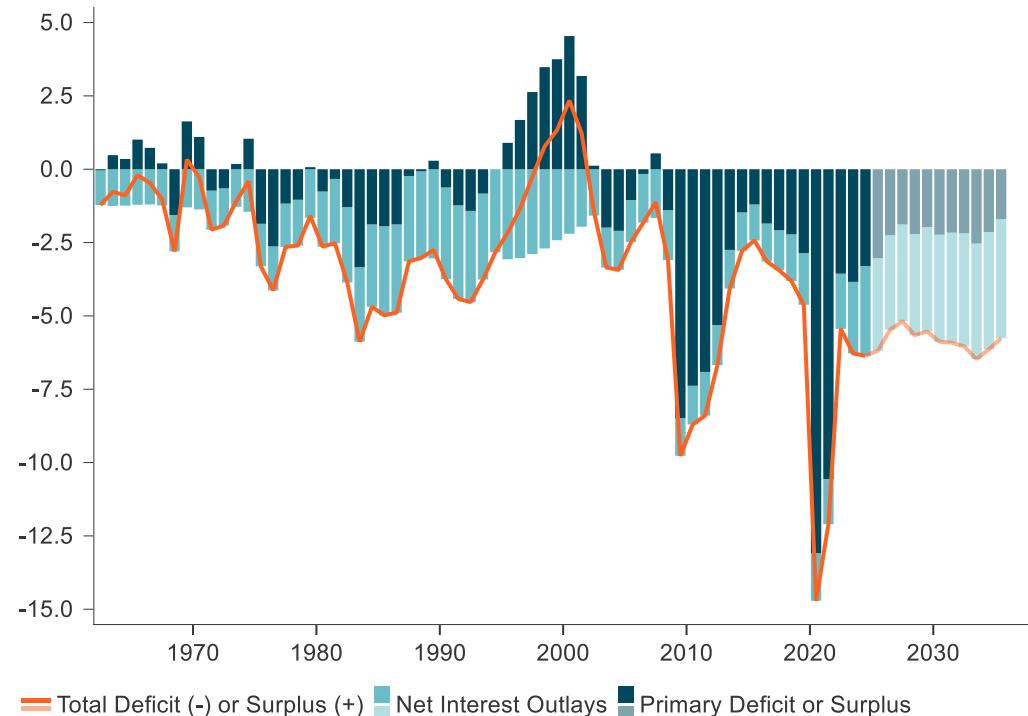
# Federal Finances

## Federal Government Budget



## Total Deficits, Primary Deficits, and Net Interest Outlays

CBO Projections, Percentage of GDP

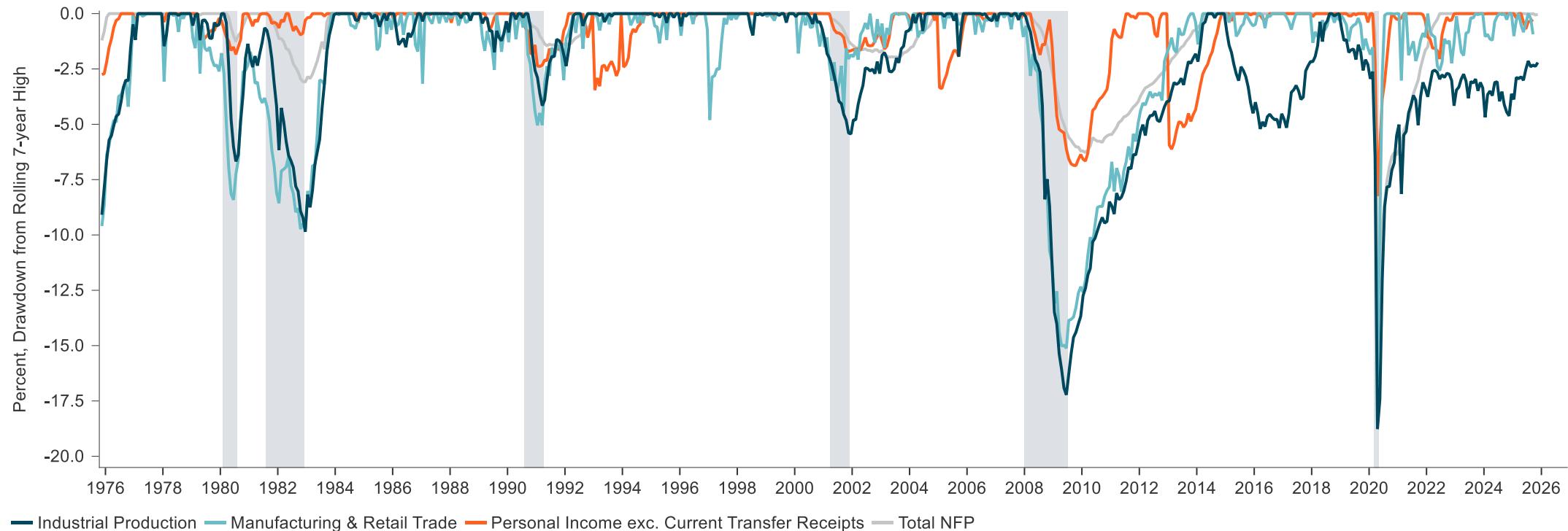


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Right chart: shaded areas represent US recessions as defined by National Bureau of Economic Research (NBER).

# Recession Watch

## Four Key US Recession Indicators

Shaded areas indicate recession

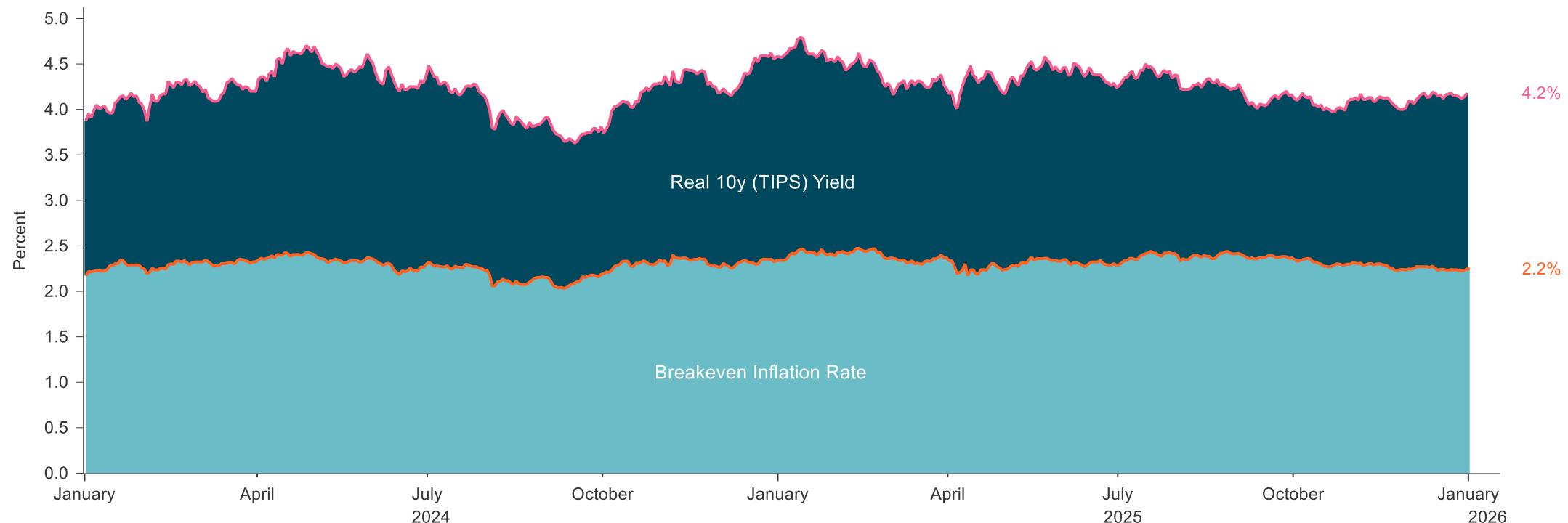


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Shaded areas represent US recessions as defined by National Bureau of Economic Research (NBER).

# US Treasury 10-year Yields

## US 10-year Treasury Yield & Components

Nominal yield



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

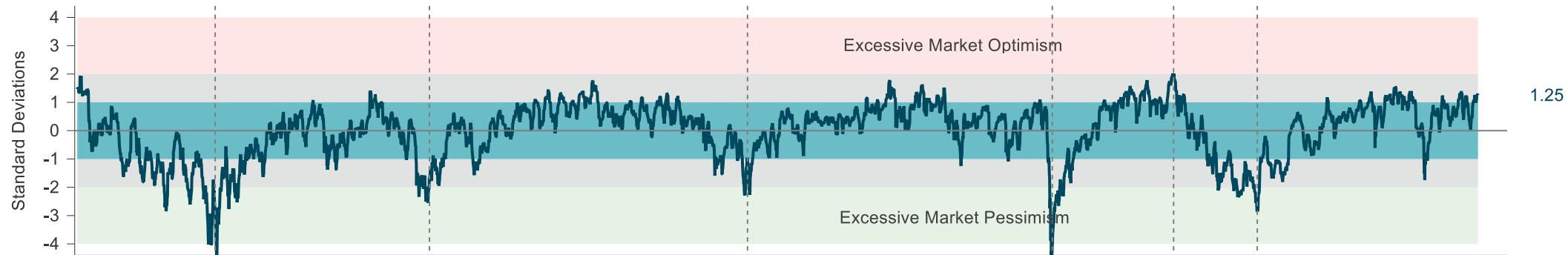
# US EQUITIES

05

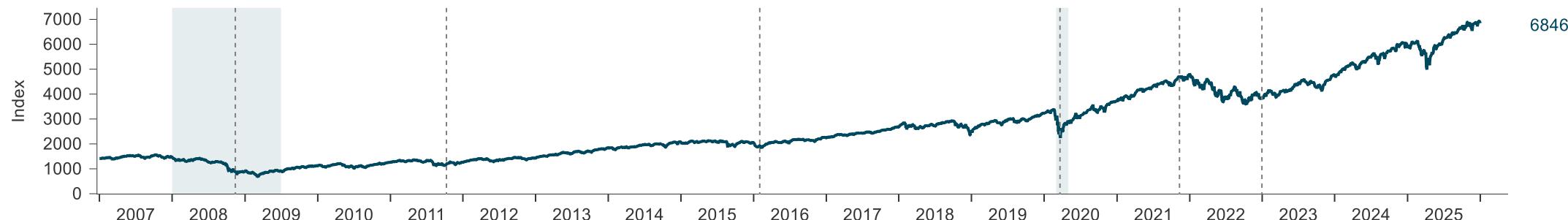
# Market Sentiment & Positioning

## Market Sentiment Index

Standardized sentiment measure based on five variables\*



## S&P 500

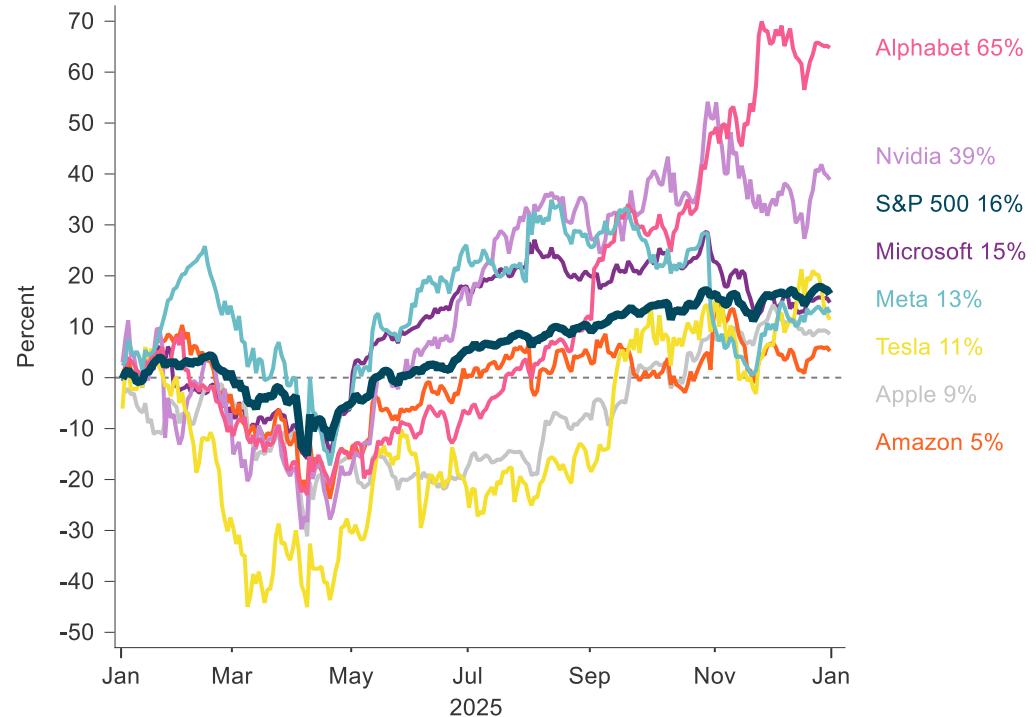


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. \*Standardized equal weight index include: VIX, net long S&P 500 futures positioning, put/call ratio, consumer staples vs. discretionary ratio, and bull-bear spread. Bottom panel: shaded areas represent US recessions as defined by National Bureau of Economic Research (NBER).

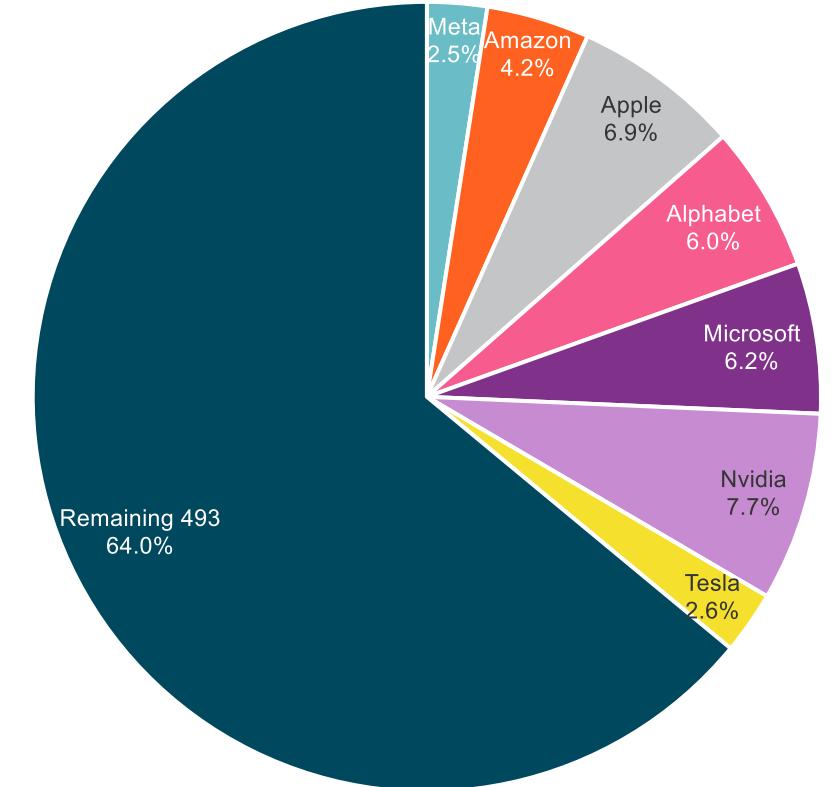
# Magnificent 7

## Year-to-Date Performance



Data as of December 31, 2025

## Weight in S&P 500

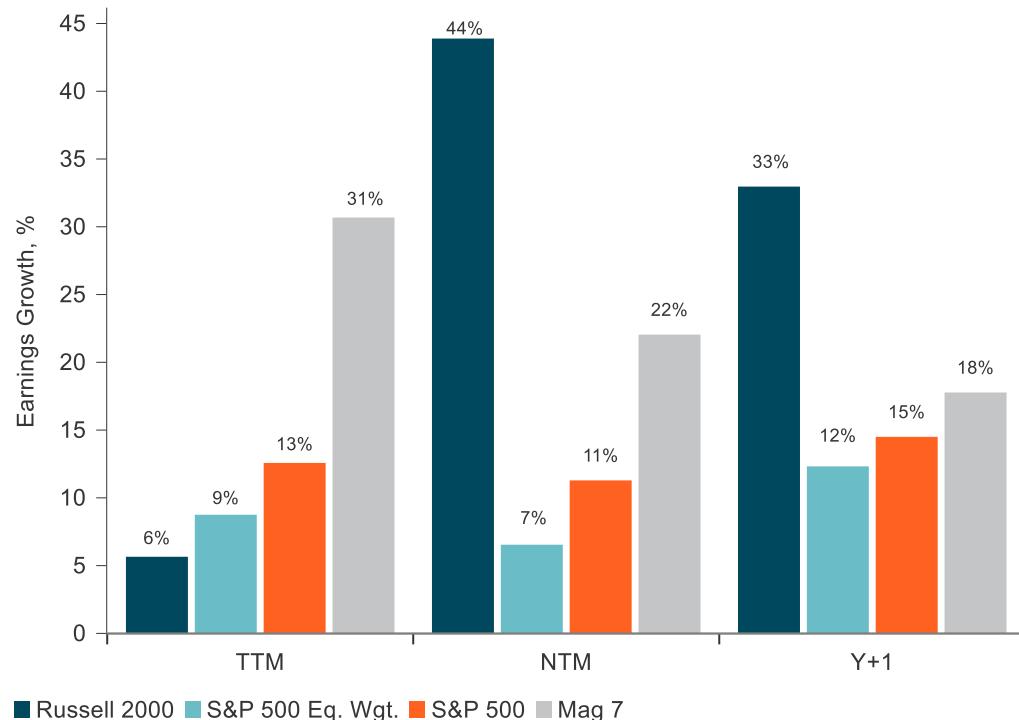


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Magnificent 7 refers to the following seven stocks: Nvidia, Meta, Tesla, Amazon, Alphabet, Apple, and Microsoft. The holdings listed should not be considered recommendations to buy or sell a security.

# Earnings Growth

## Earnings Growth Across Market Cap

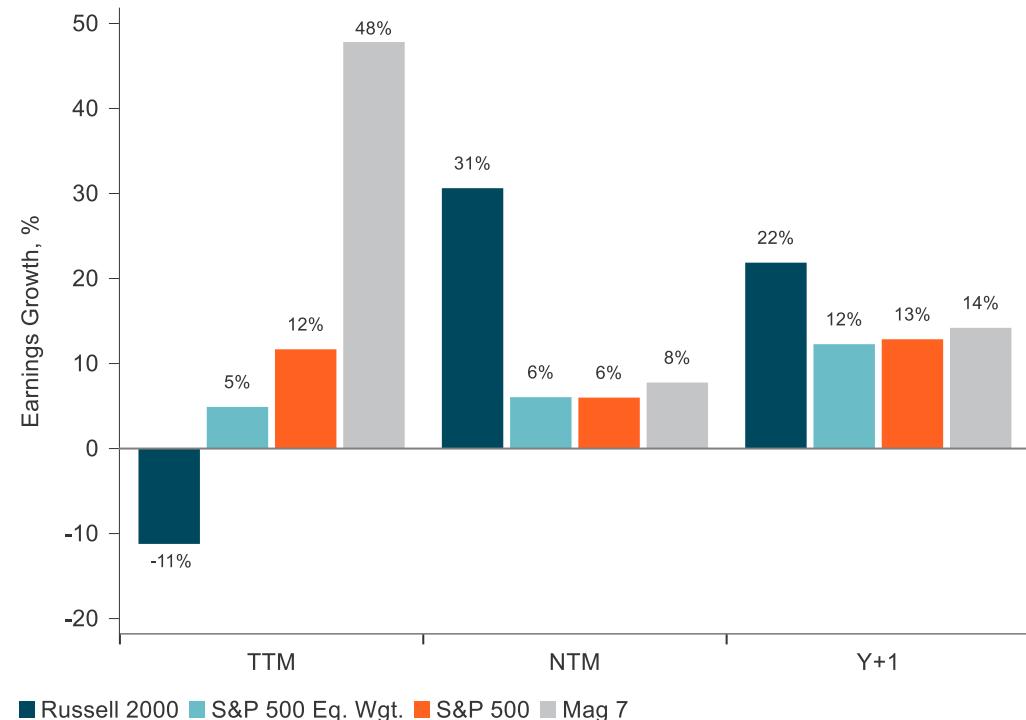
Current



Data as of December 31, 2025

## Earnings Growth Across Market Cap

6-months Ago



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. TTM: trailing 12-months. NTM: next 12-months. Y+1: year after next. Mag 7 includes: Nvidia, Microsoft, Meta, Amazon, Alphabet, Apple, and Tesla.

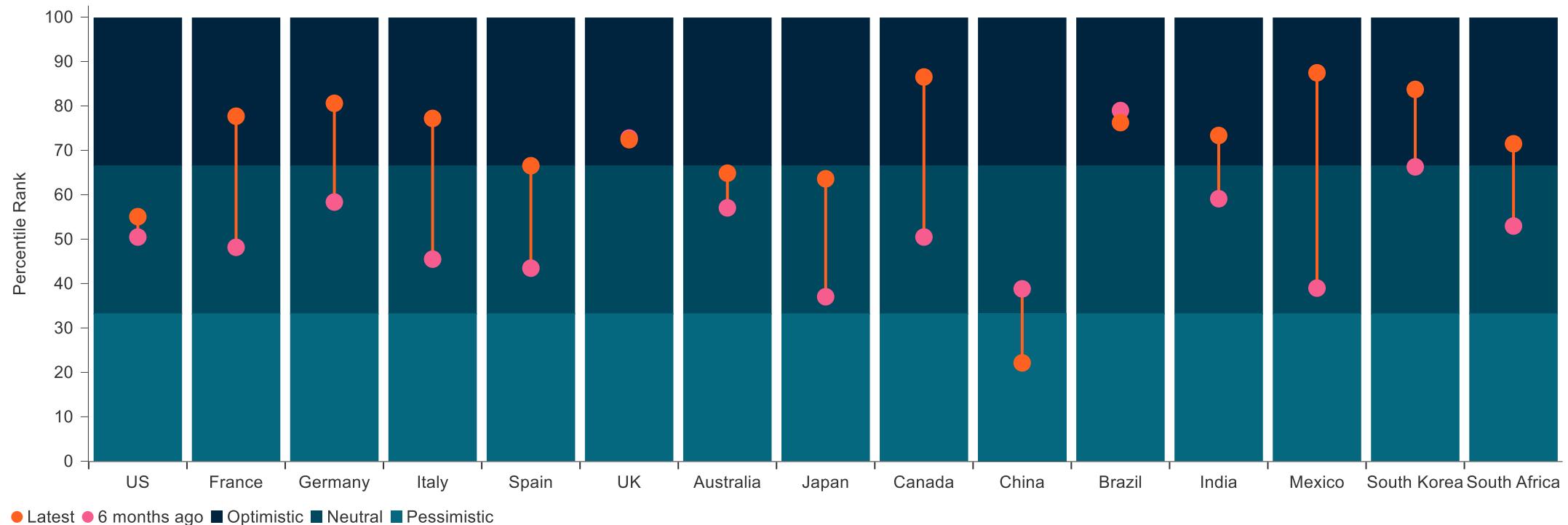
# GLOBAL MACRO

06

# Global Growth

## Cross-Country Economic Barometer

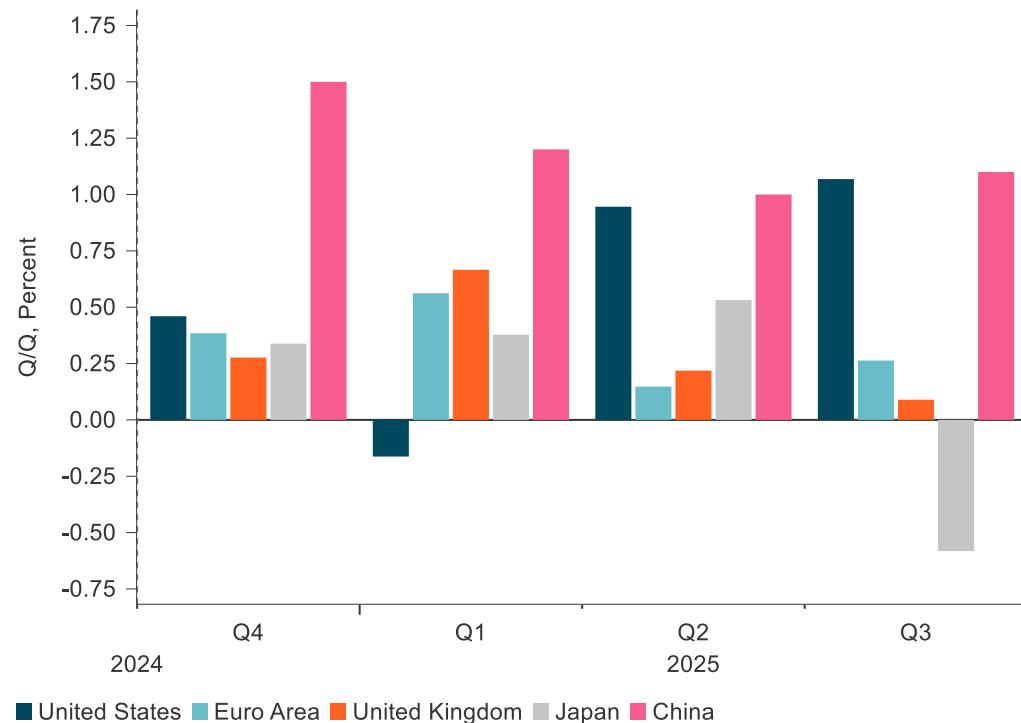
Percentile rank relative to historic data. OECD Composite leading indicator.



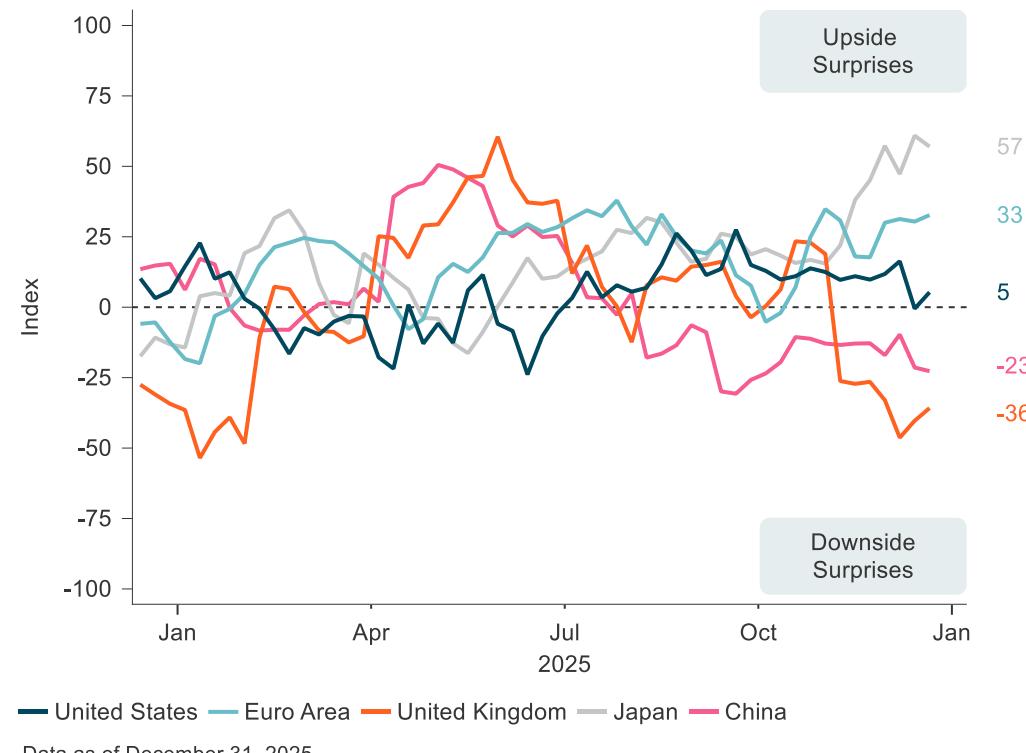
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. OECD: Organization for Economic Co-operation and Development.

# Global Growth

## Real GDP Growth



## Economic Surprise Indexes

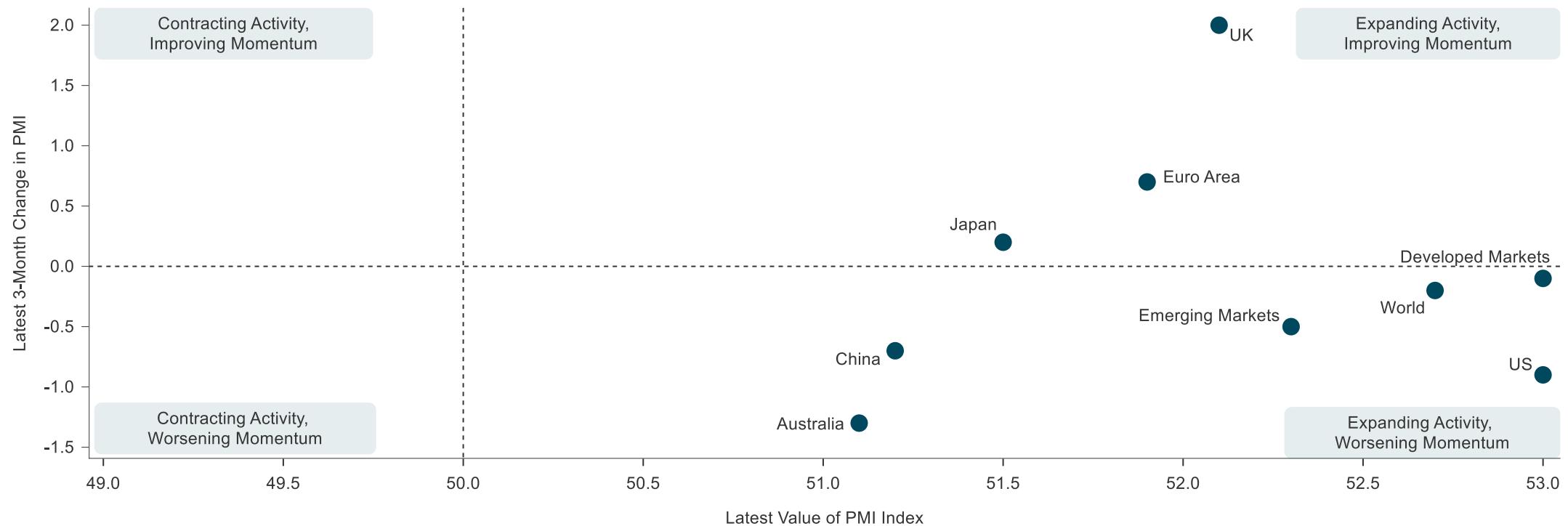


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Activity Indicators

## Global Composite PMIs

Latest PMI value relative to latest 3-month change



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Activity Heatmap

## Global Composite PMIs

Region	Indicator	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Americas	US	54.3	54.6	54.0	54.1	54.9	55.4	52.7	51.6	53.5	50.6	53.0	52.9	55.1	54.6	53.9	54.6	54.2	53.0
	Canada*	47.8	49.5	50.4	51.1	52.0	52.2	51.6	47.8	46.3	45.3	46.1	45.6	46.1	48.3	47.7	49.6	48.4	
	Mexico*	49.6	48.5	47.3	48.4	49.9	49.8	49.1	47.6	46.5	44.8	46.7	46.3	49.1	50.2	49.6	49.5	47.3	
	Brazil	56.0	52.9	55.2	55.9	53.5	51.5	48.2	51.2	52.6	49.4	49.1	48.7	46.6	48.8	46.0	48.2	49.6	
Europe	UK	52.8	53.8	52.6	51.8	50.5	50.4	50.6	50.5	51.5	48.5	50.3	52.0	51.5	53.5	50.1	52.2	51.2	52.1
	Germany	49.1	48.4	47.5	48.6	47.2	48.0	50.5	50.4	51.3	50.1	48.5	50.4	50.6	50.5	52.0	53.9	52.4	51.5
	France	49.1	53.1	48.6	48.1	45.9	47.5	47.6	45.1	48.0	47.8	49.3	49.2	48.6	49.8	48.1	47.7	50.4	50.1
	Italy	50.3	50.8	49.7	51.0	47.7	49.7	49.7	51.9	50.5	52.1	52.5	51.1	51.5	51.7	51.7	53.1	53.8	
	Spain	53.4	53.5	56.3	55.2	53.2	56.8	54.0	55.1	54.0	52.5	51.4	52.1	54.7	53.7	53.8	56.0	55.1	
	Greece*	53.2	52.9	50.3	51.2	50.9	53.2	52.8	52.6	55.0	53.2	53.2	53.1	51.7	54.5	52.0	53.5	52.7	
	Poland*	47.3	47.8	48.6	49.2	48.9	48.2	48.8	50.6	50.7	50.2	47.1	44.8	45.9	46.6	48.0	48.8	49.1	
	Japan	52.5	52.9	52.0	49.6	50.1	50.5	51.1	52.0	48.9	51.2	50.2	51.5	51.6	52.0	51.3	51.5	52.0	51.5
Asia	China	51.2	51.2	50.3	51.9	52.3	51.4	51.1	51.5	51.8	51.1	49.6	51.3	50.8	51.9	52.5	51.8	51.2	
	Australia	49.9	51.7	49.6	50.2	50.2	50.2	51.1	50.6	51.6	51.0	50.5	51.6	53.8	55.5	52.4	52.1	52.6	51.1
	India	60.7	60.7	58.3	59.1	58.6	59.2	57.7	58.8	59.5	59.7	59.3	61.0	61.1	63.2	61.0	60.4	59.7	58.9

Data as of December 31, 2025.

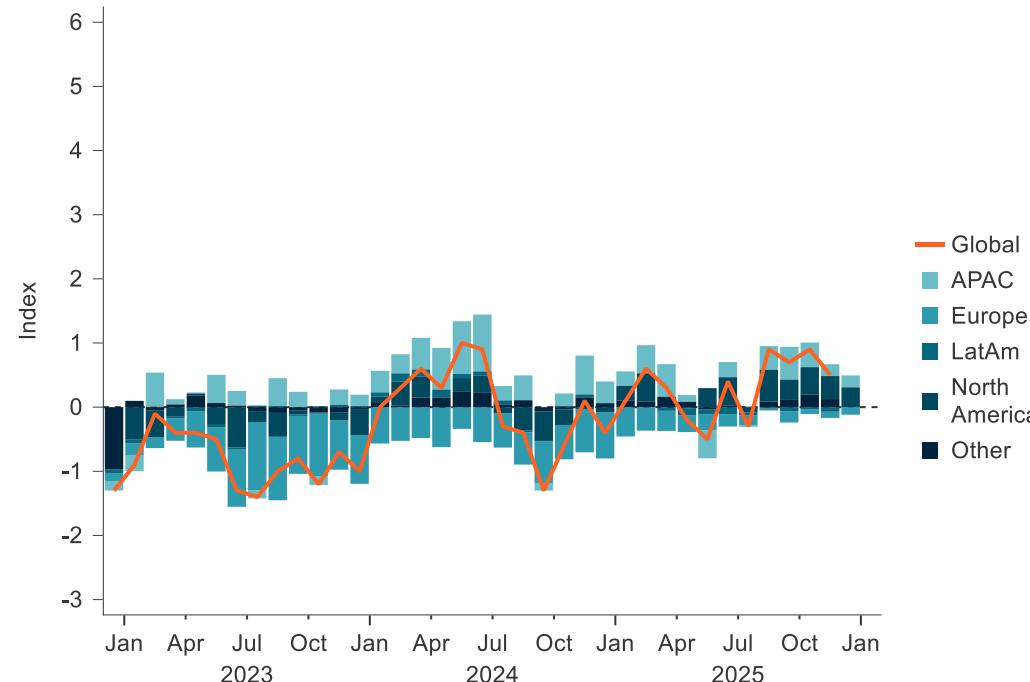
\*Manufacturing PMI in place of composite due to availability

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. The Purchasing Manager's Index (PMI) is an index of the prevailing direction of economic trends in the manufacturing and service sectors. It consists of a diffusion index that summarizes whether market conditions, as viewed by purchasing managers, are expanding, staying the same, or contracting.

# Global Activity Indicators

## Global Manufacturing PMI

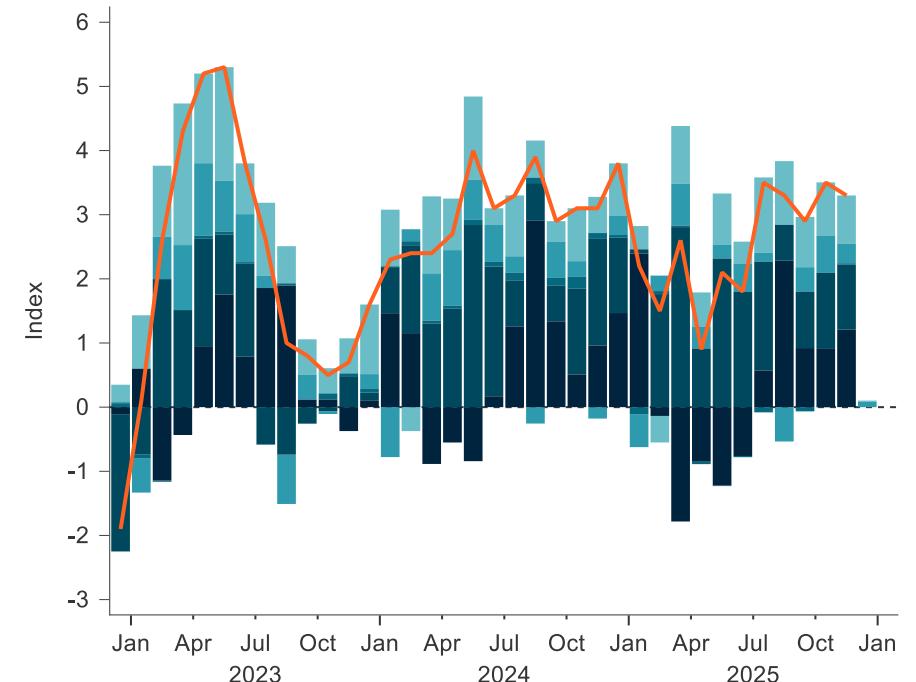
Re-centered at 0 as neutral;  
Contributions weighted by manufacturing value added



Data as of December 31, 2025

## Global Services PMI

Re-centered at 0 as neutral;  
Contributions weighted by services value added

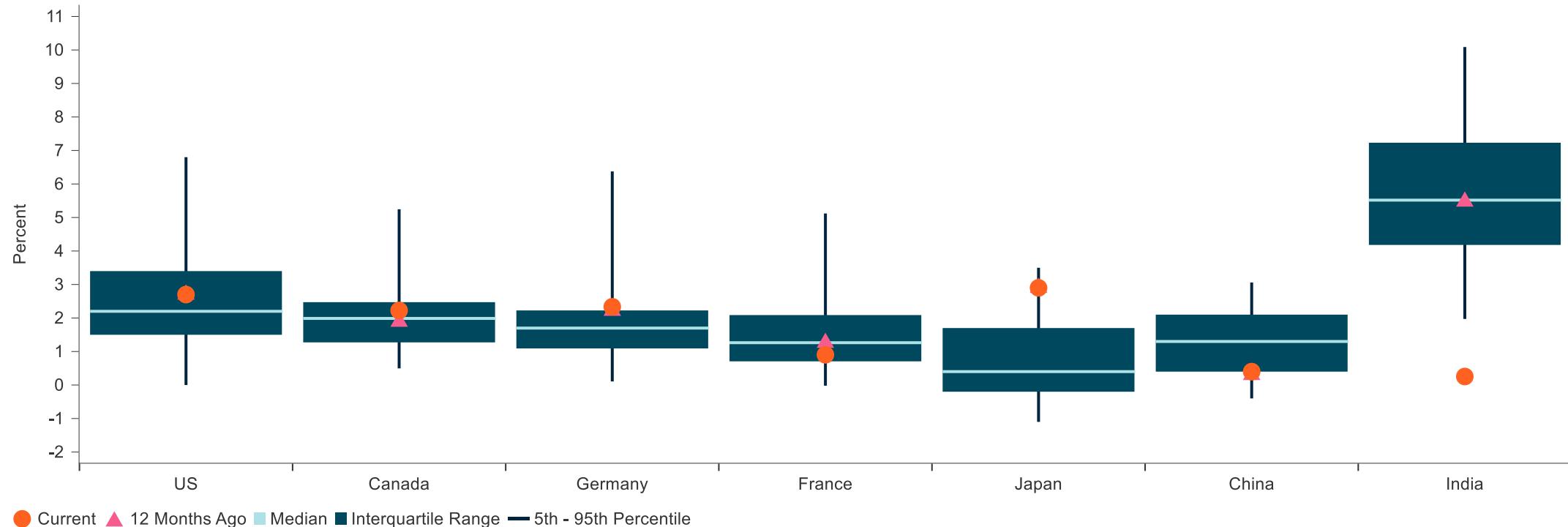


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Inflation

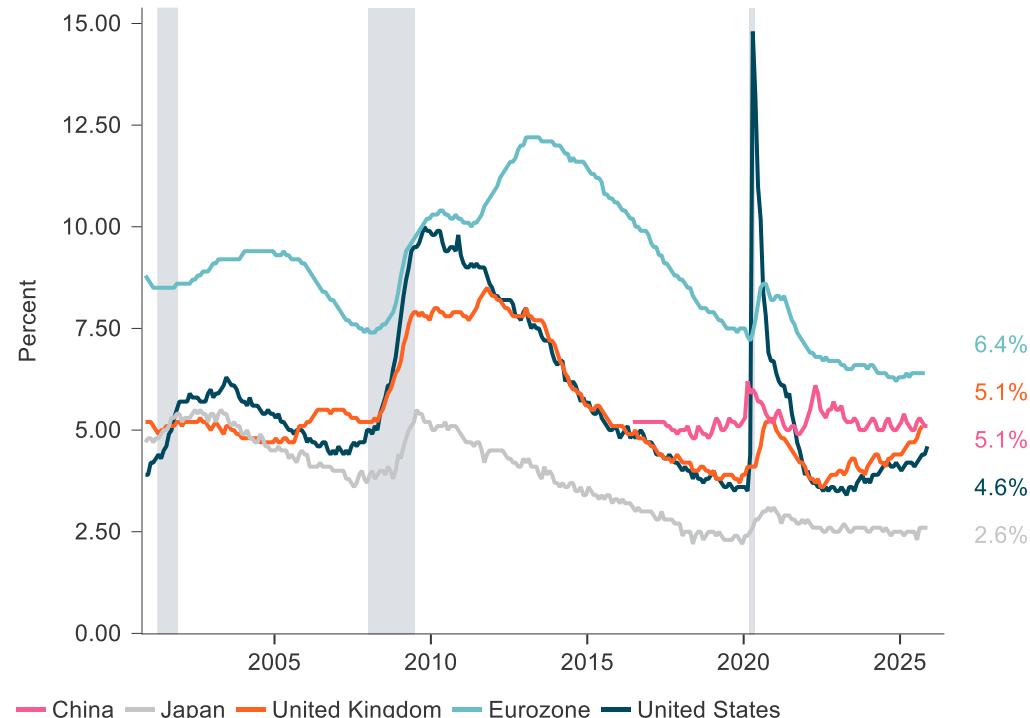
## Global Year-Over-Year Inflation



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

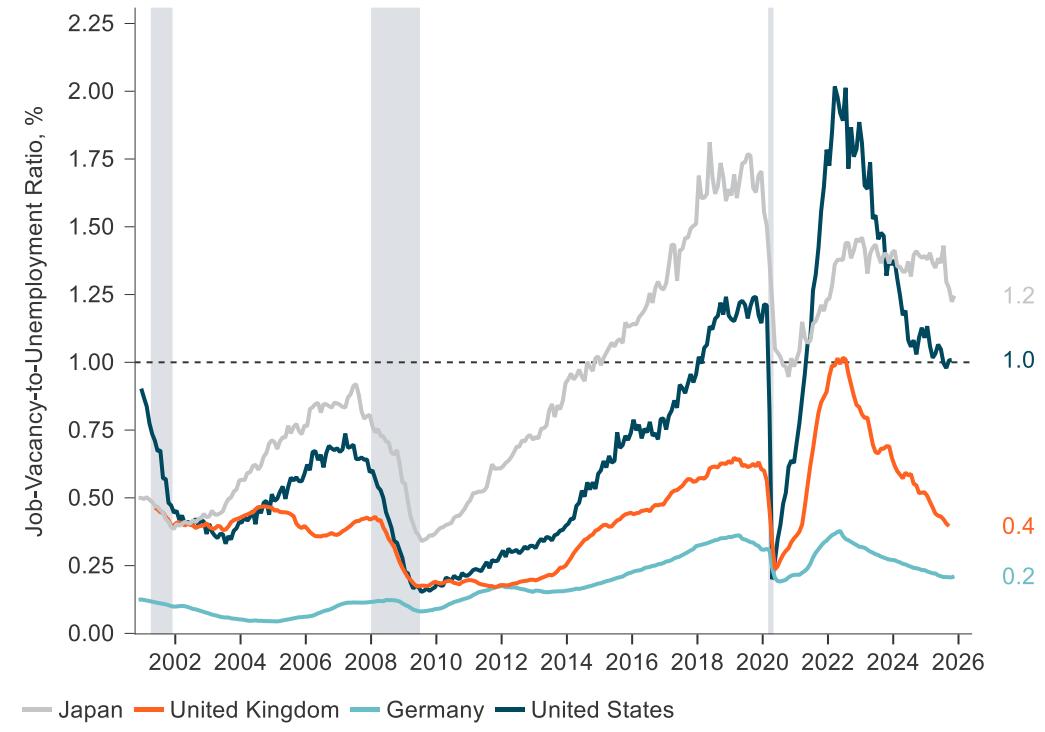
# Global Labor

## Unemployment Rate



Data as of December 31, 2025

## Job Vacancy to Unemployment Ratio



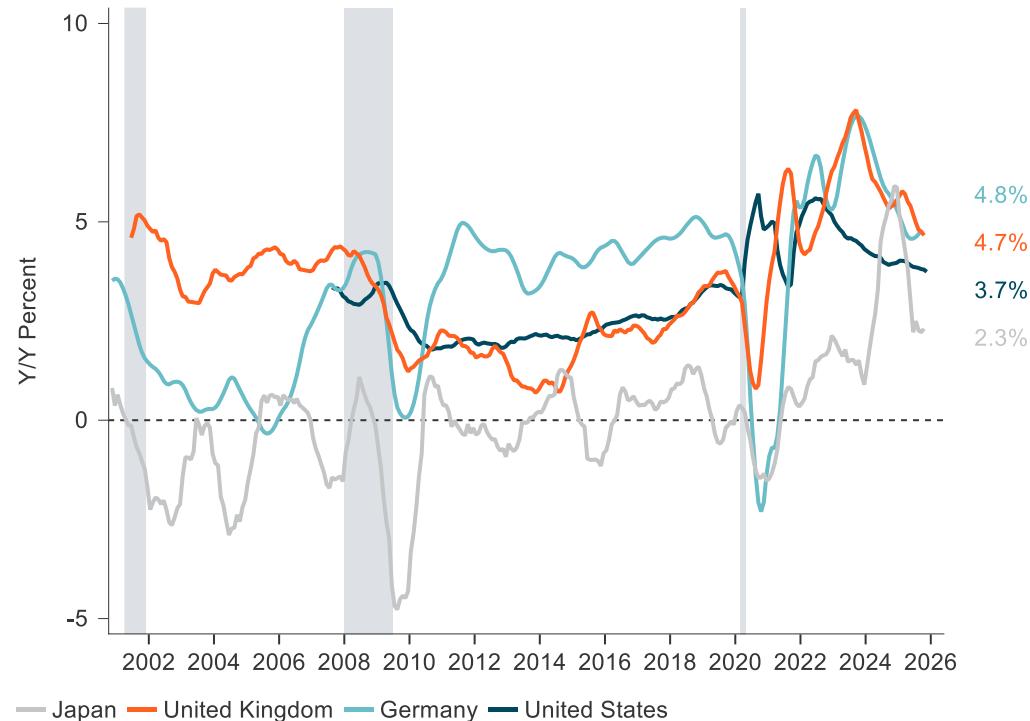
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Shaded areas represent US recessions as defined by National Bureau of Economic Research (NBER)

# Global Labor

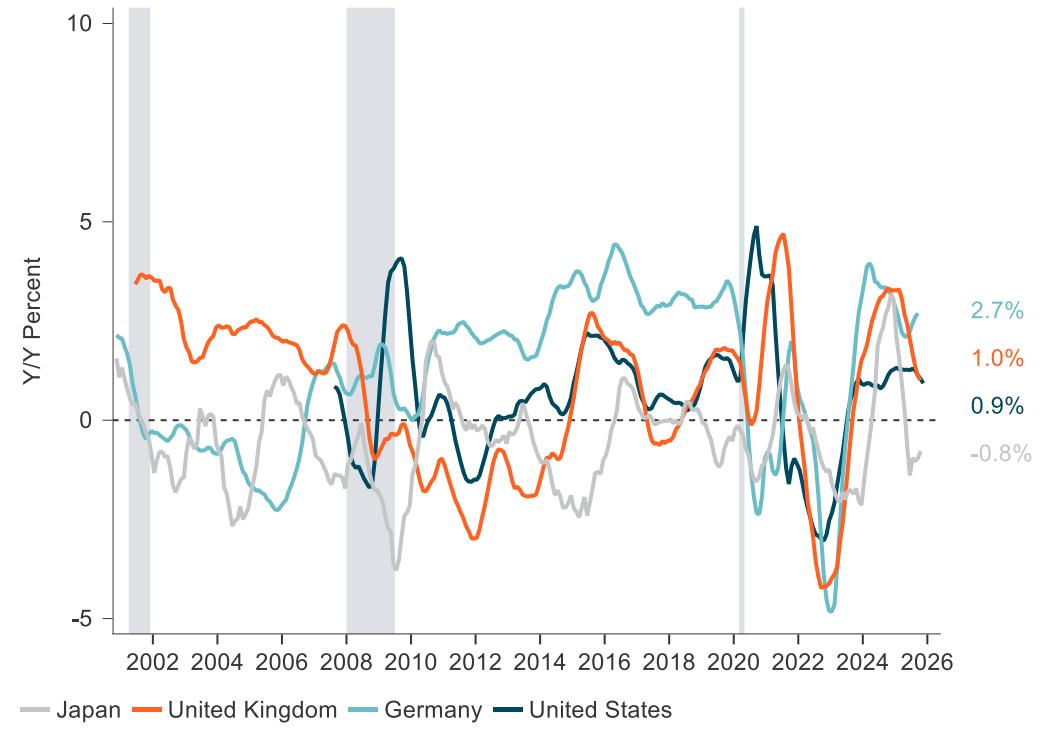
## Nominal Wage Growth

6-month moving average



## Real Wage Growth

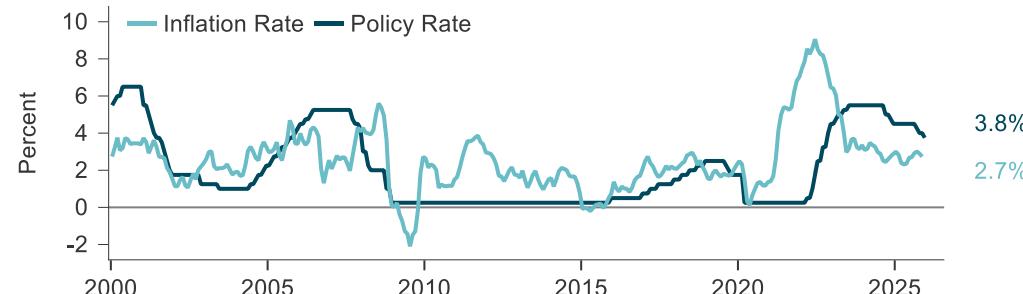
6-month moving average



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Shaded areas represent US recessions as defined by National Bureau of Economic Research (NBER).

# Global Monetary Policy

## United States



Data as of December 31, 2025

3.8%  
2.7%

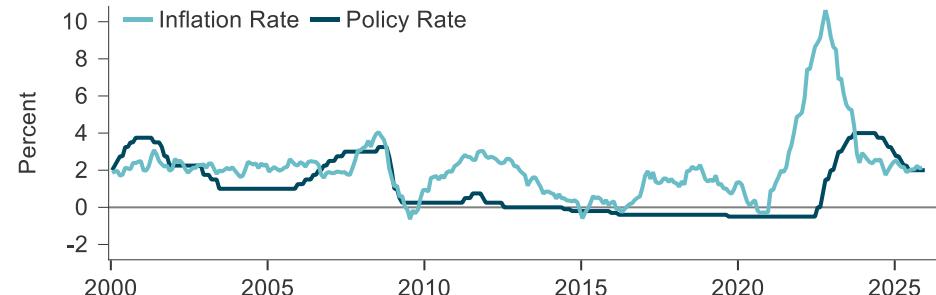
## Japan



Data as of December 31, 2025

2.9%  
0.8%

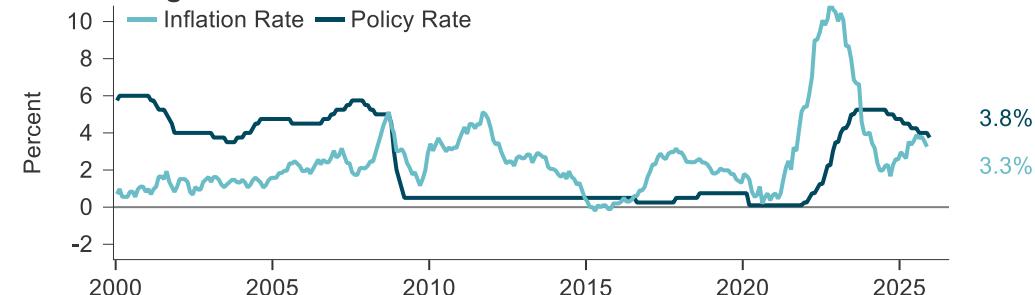
## Euro Area



Data as of December 31, 2025

2.1%  
2.0%

## United Kingdom



Data as of December 31, 2025

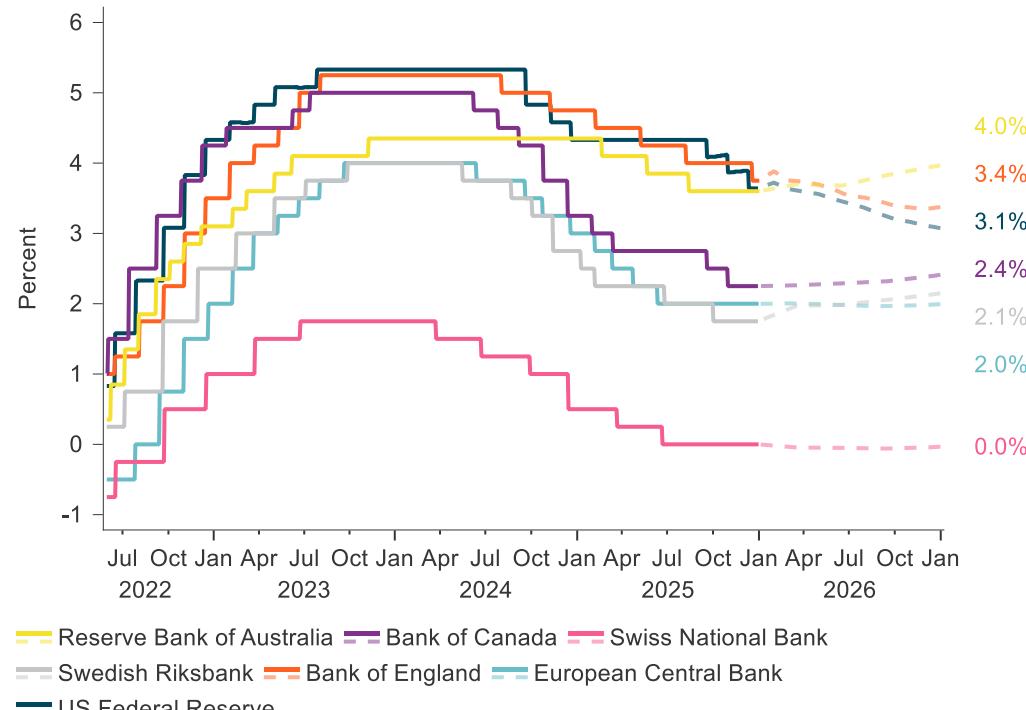
3.8%  
3.3%

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Central Banks

## Major Central Banks Policy Rates

Actual policy rates and market-implied rate paths



Data as of December 31, 2025

## Economic & Inflation Data Surprises



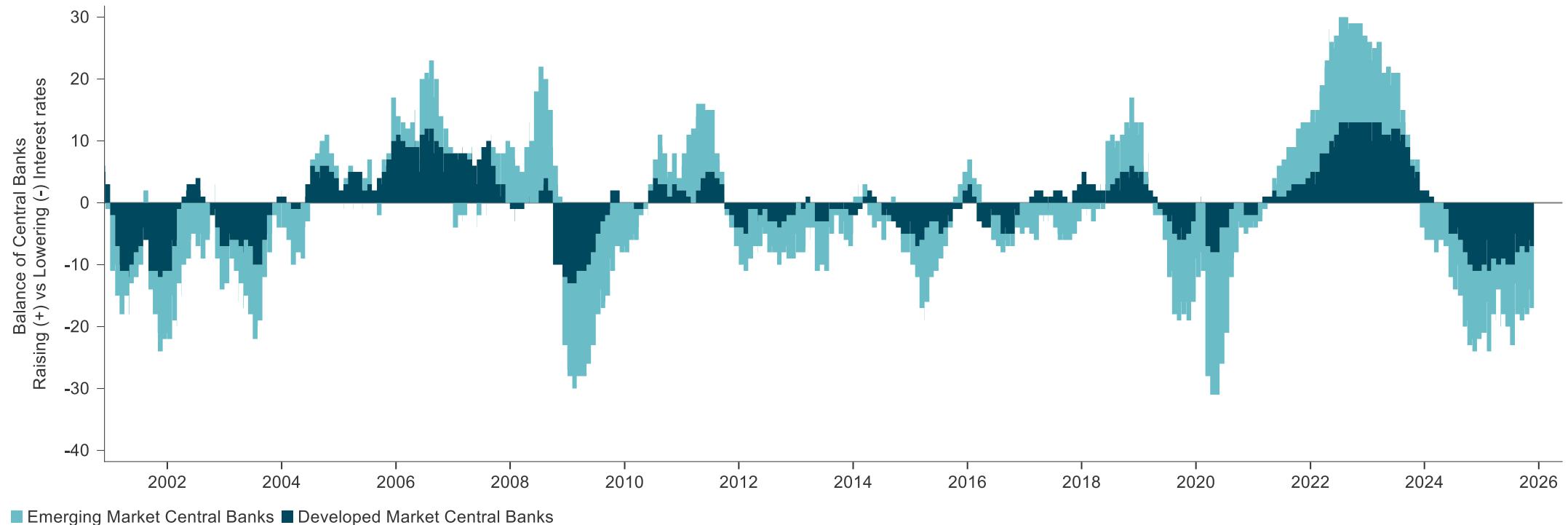
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Central Banks

## Global Monetary Policy Cycle

Number of central banks raising vs. cutting interest rates



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Global Central Banks

	1/2025	2/2025	3/2025	4/2025	5/2025	6/2025	7/2025	8/2025	9/2025	10/2025	11/2025	12/2025
United States	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.25	4.00	4.00	3.75
Euro Area	3.15	2.90	2.65	2.40	2.40	2.15	2.15	2.15	2.15	2.15	2.15	2.15
United Kingdom	4.75	4.50	4.50	4.50	4.25	4.25	4.25	4.00	4.00	4.00	4.00	3.75
Japan	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.75
Australia	4.35	4.10	4.10	4.10	3.85	3.85	3.85	3.60	3.60	3.60	3.60	3.60
Brazil	13.25	13.25	14.25	14.25	14.75	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Canada	3.00	3.00	2.75	2.75	2.75	2.75	2.75	2.75	2.50	2.25	2.25	2.25
Switzerland	0.50	0.50	0.25	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chile	5.00	5.00	5.00	5.00	5.00	5.00	4.75	4.75	4.75	4.75	4.75	4.50
China	3.10	3.10	3.10	3.10	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Colombia	9.50	9.50	9.50	9.50	9.25	9.25	9.25	9.25	9.25	9.25	9.25	9.25
Czech Republic	4.00	3.75	3.75	3.75	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
Denmark	2.50	2.50	2.25	2.00	2.00	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Hungary	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50
Indonesia	5.75	5.75	5.75	5.75	5.50	5.50	5.25	5.00	4.75	4.75	4.75	4.75
Israel	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.25	4.25
India	6.50	6.25	6.25	6.00	6.00	5.50	5.50	5.50	5.50	5.50	5.50	5.25
Iceland	8.50	8.00	7.75	7.75	7.50	7.50	7.50	7.50	7.50	7.50	7.25	7.25
South Korea	3.00	2.75	2.75	2.75	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Mexico	10.00	9.50	9.00	9.00	8.50	8.00	8.00	7.75	7.50	7.50	7.25	7.00
Norway	4.50	4.50	4.50	4.50	4.50	4.25	4.25	4.25	4.00	4.00	4.00	4.00
New Zealand	4.25	3.75	3.75	3.50	3.25	3.25	3.25	3.00	3.00	2.50	2.25	2.25
Poland	5.75	5.75	5.75	5.75	5.25	5.25	5.00	5.00	4.75	4.50	4.25	4.00
Russia	21.00	21.00	21.00	21.00	21.00	20.00	18.00	18.00	17.00	16.50	16.50	
Saudi Arabia	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.75	4.50	4.50	4.25
Sweden	2.50	2.25	2.25	2.25	2.25	2.00	2.00	2.00	2.00	1.75	1.75	
Turkey	45.00	45.00	42.50	46.00	46.00	46.00	43.00	43.00	40.50	39.50	39.50	38.00
South Africa	7.50	7.50	7.50	7.50	7.25	7.25	7.25	7.00	7.00	7.00	6.75	6.75
Costa Rica	4.00	4.00	4.00	4.00	4.00	4.00	3.75	3.75	3.50	3.50	3.50	3.25

Data as of December 31, 2025

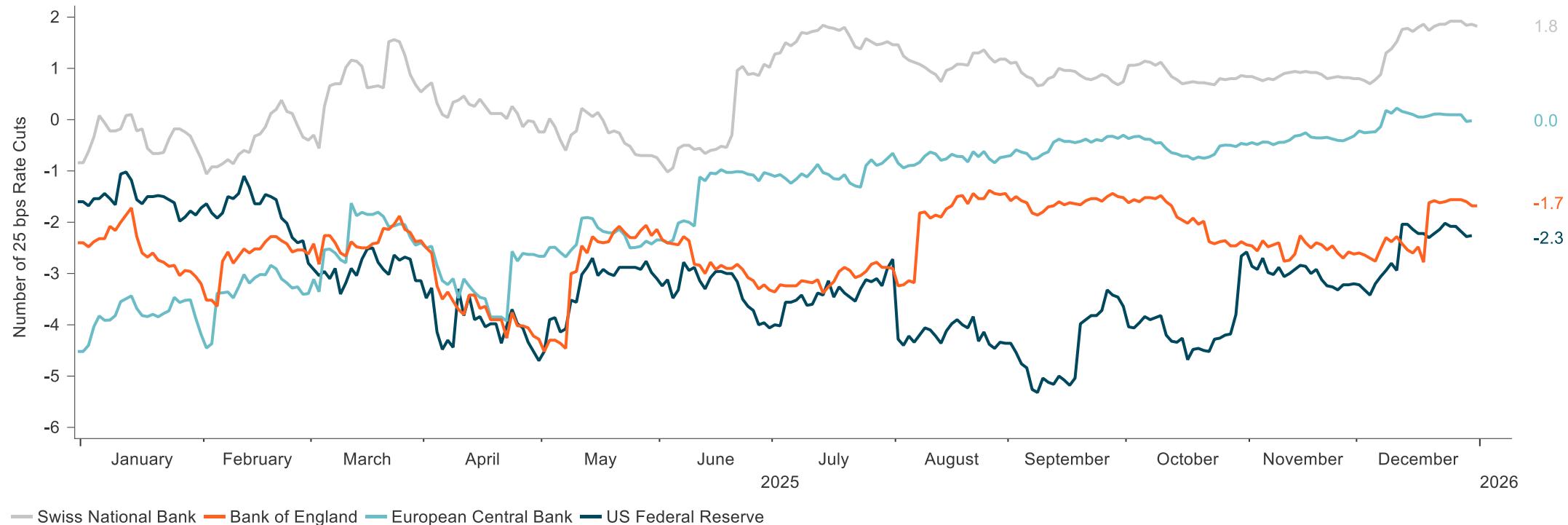
Hikes highlighted in orange; cuts highlighted in blue.

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Monetary Policy

## Interest Rate Expectations for Major Central Banks

Expectations of rate cuts over the next 12-months

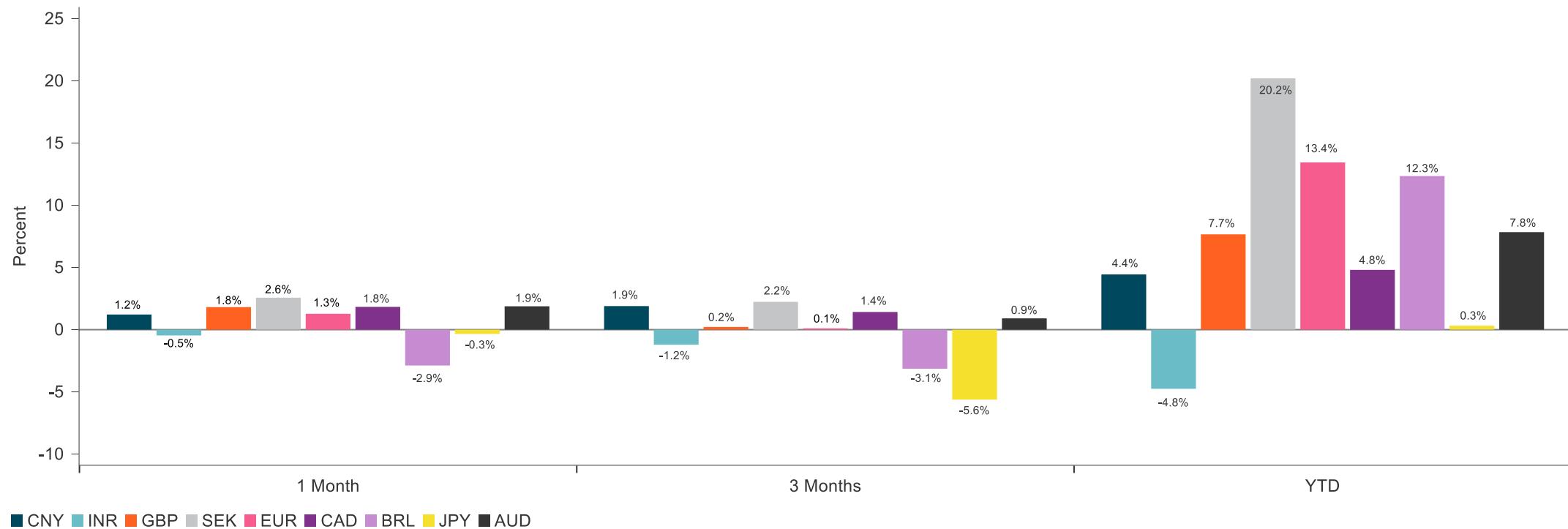


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. For illustrative purposes only.

# Global Currencies

## Global Currency Returns

Versus USD



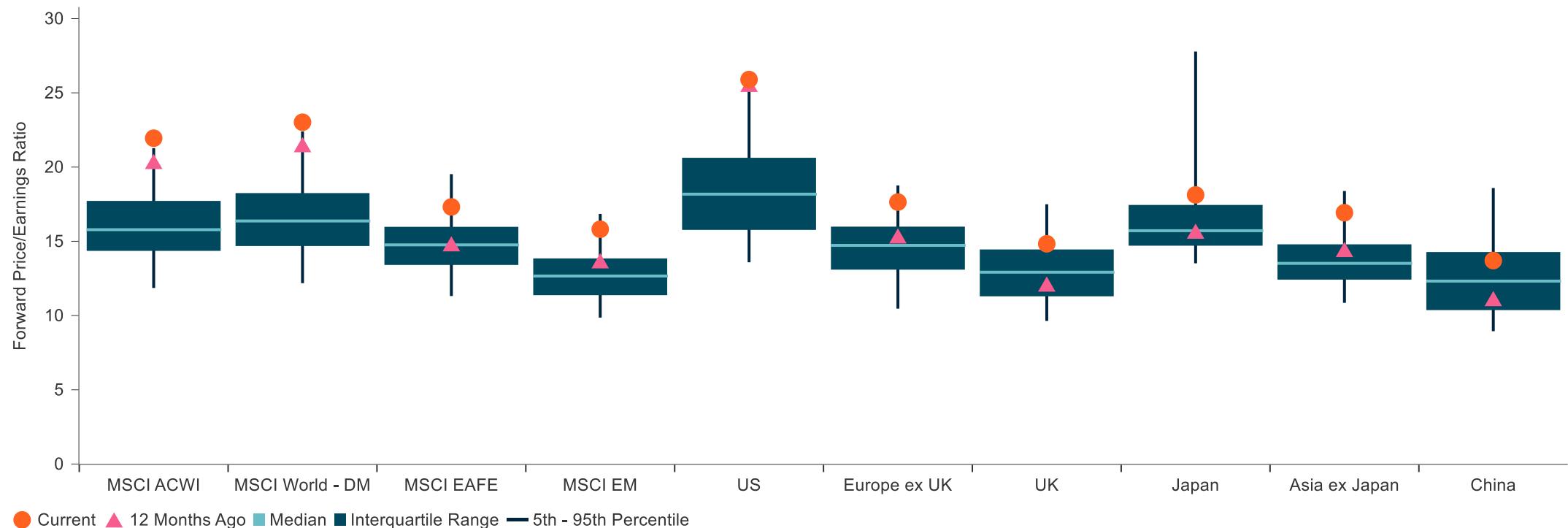
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. CNY: Chinese Yuan. INR: Indian Rupee. GBP: Pound Sterling. SEK: Swedish Krona. EUR: Euro. CAD: Canadian Dollar. BRL: Brazilian Real. JPY: Japanese Yen. AUD: Australian Dollar.

# GLOBAL EQUITIES

07

# Global Valuations

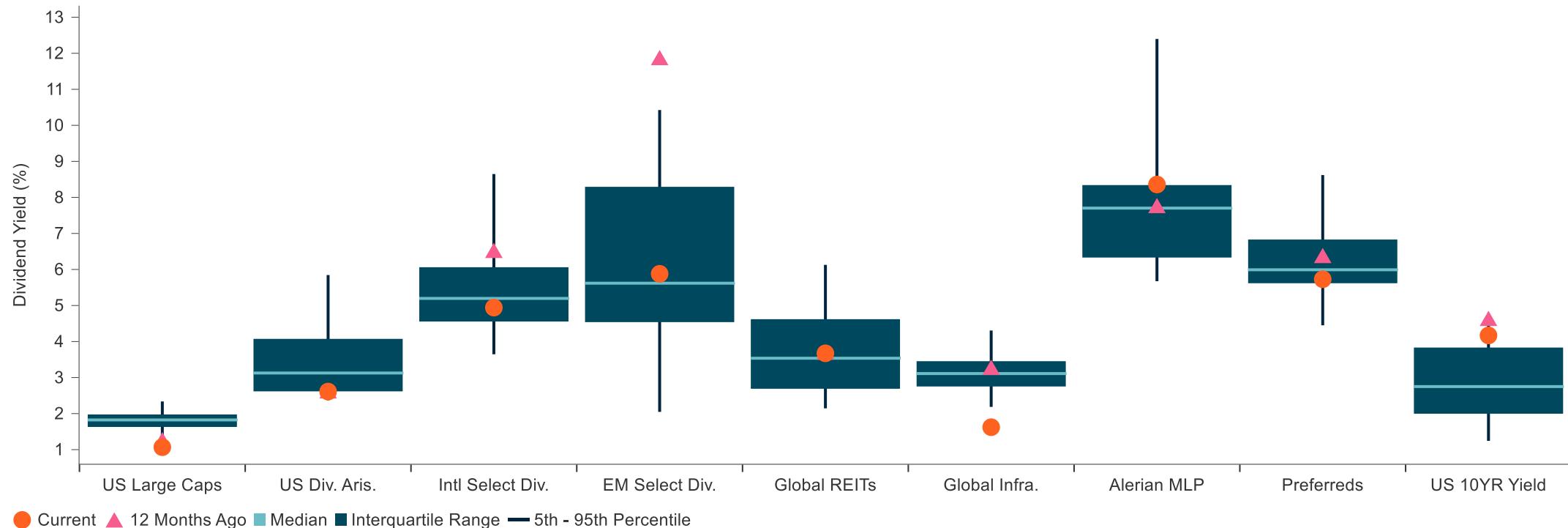
## Regional Valuations



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Regional valuations show current valuations relative to trailing 20-years as of date in chart above.

# Global Dividends

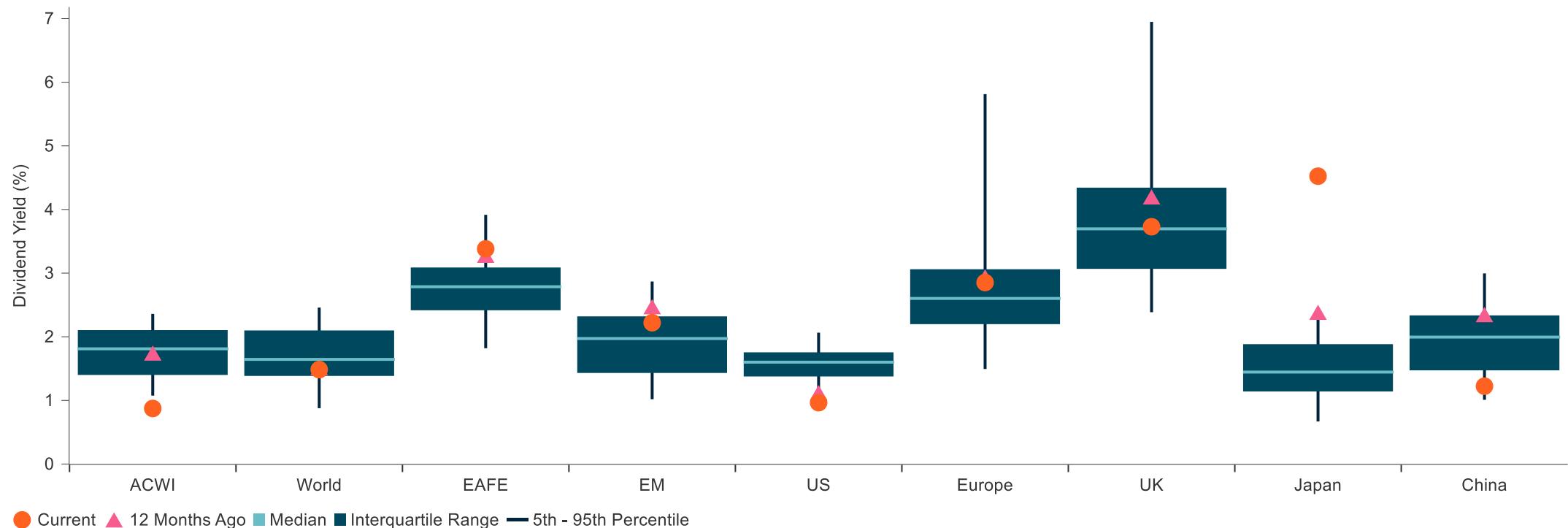
## Dividend Yield Across Assets



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Dividend yield across assets show current dividend yield relative to trailing 20-years as of date shown in chart above, where applicable. Dividend yield relative to since inception is shown if track record does not exceed 20-years.

# Regional Dividends

## Dividend Yield Across Regions

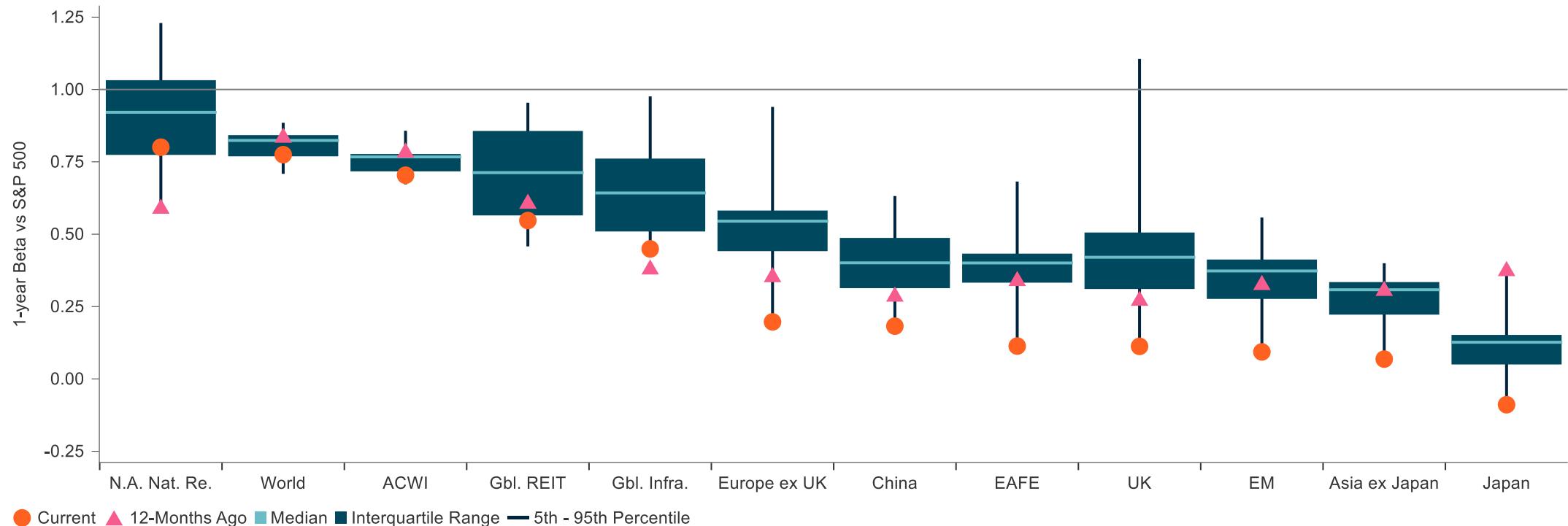


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Dividend yield across assets show current dividend yield relative to trailing 20-years as of date shown in chart above, where applicable. Dividend yield relative to since inception is shown if track record does not exceed 20-years.

# Global Equity Beta vs US

## Global Equities & Selected Real Assets Beta vs US Equities

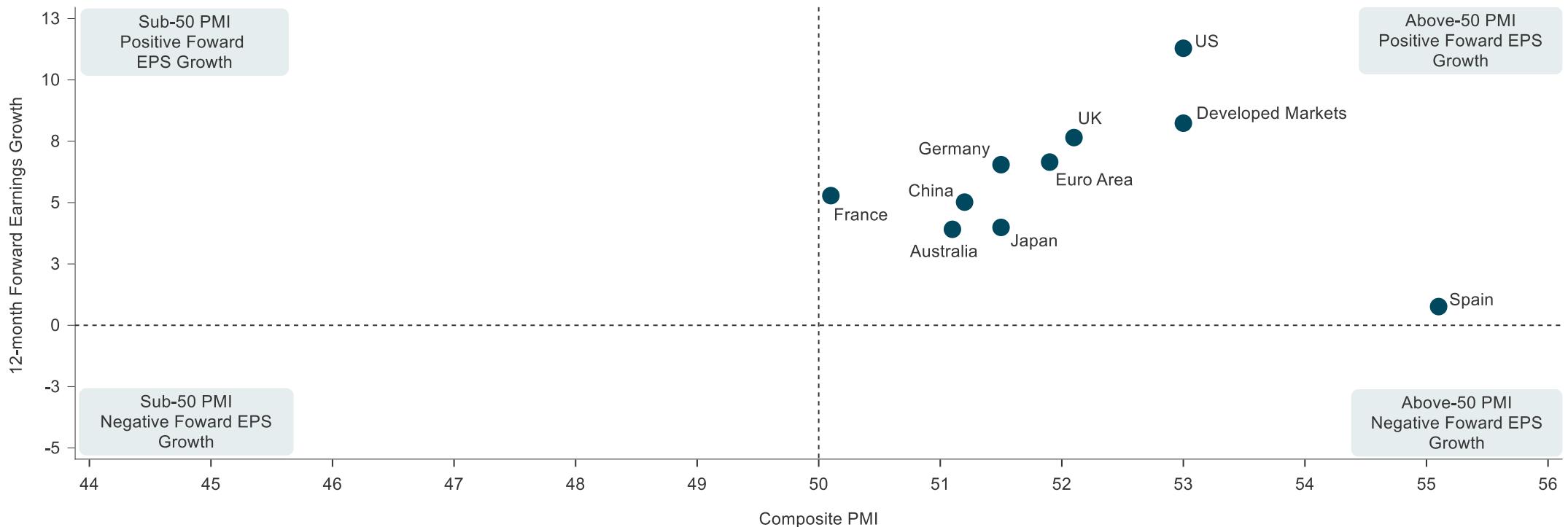
Sorted highest to lowest based on current



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Dividend yield across assets show current dividend yield relative to trailing 20-years as of date shown in chart above, where applicable. Dividend yield relative to since inception is shown if track record does not exceed 20-years.

# Global Earnings Growth

## 12-month Forward Earnings Growth & Composite PMIs

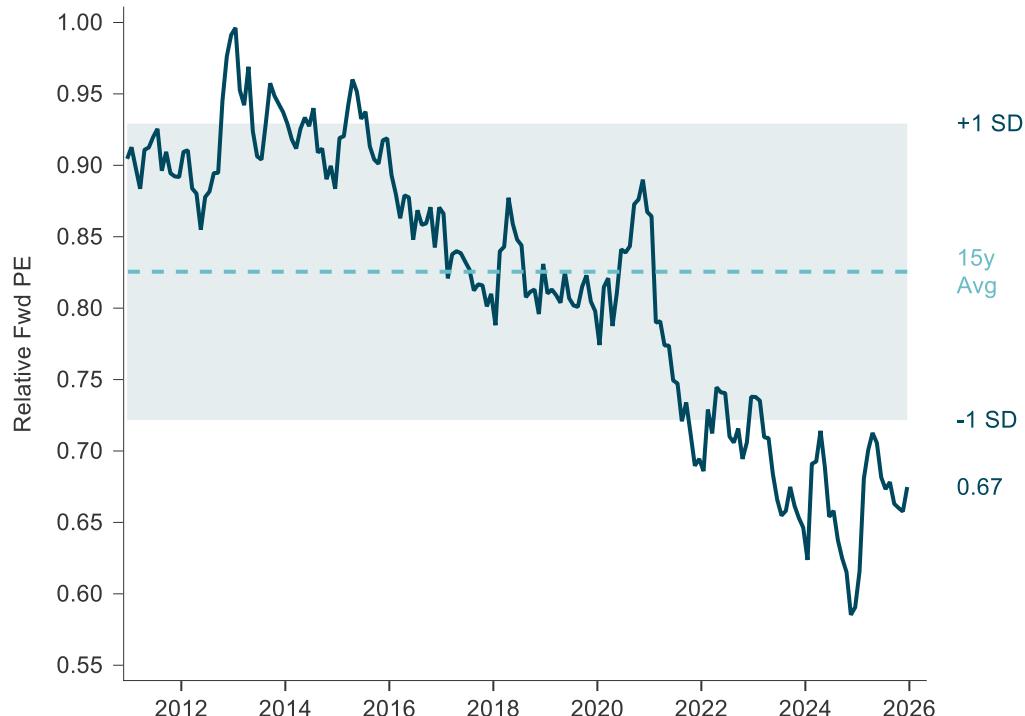


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

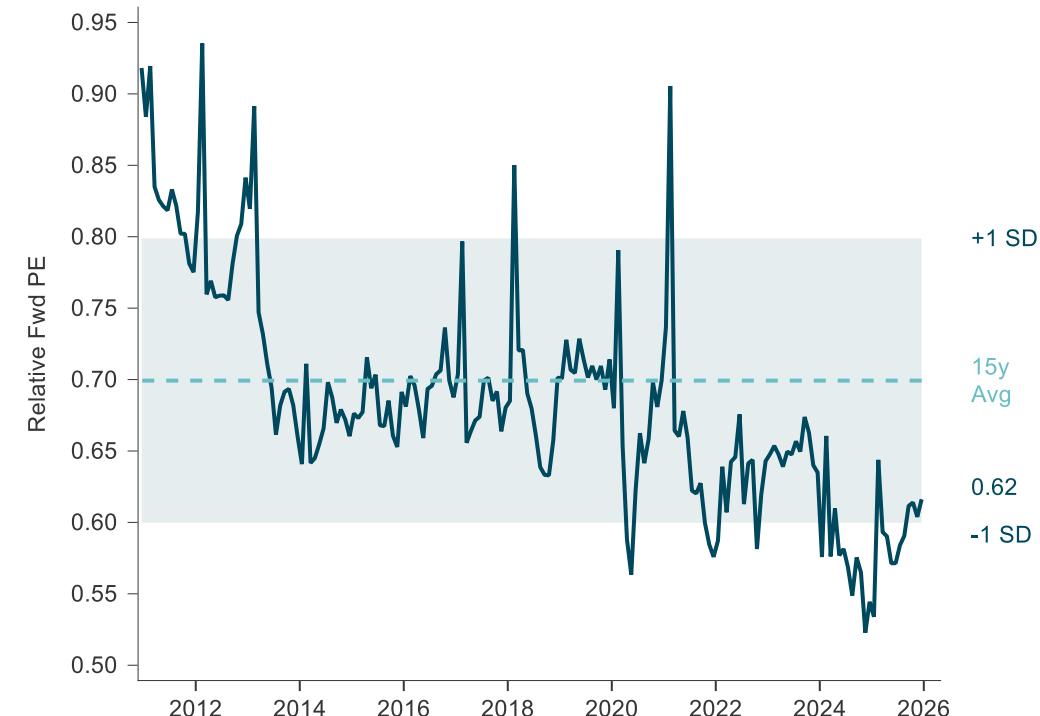
# Relative Valuations

MSCI EAFE Relative P/E vs S&amp;P 500



Data as of December 31, 2025

MSCI EM Relative P/E vs S&amp;P 500



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

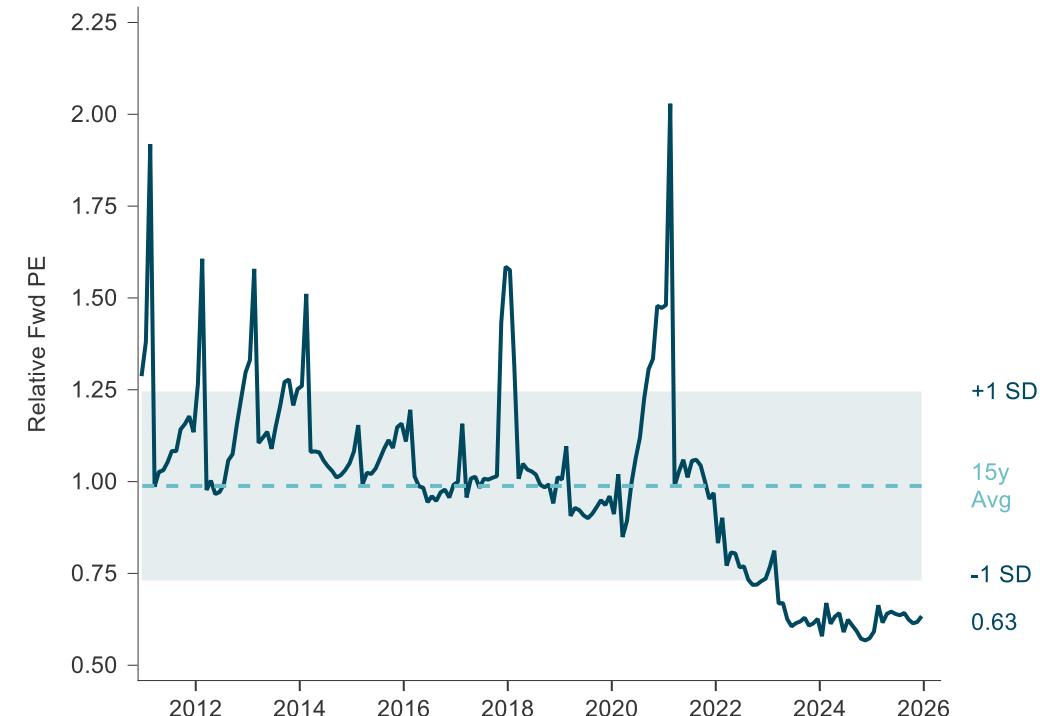
# Relative Valuations

MSCI Europe Relative P/E vs S&amp;P 500



Data as of December 31, 2025

MSCI Europe Small Cap Relative P/E vs S&amp;P 500

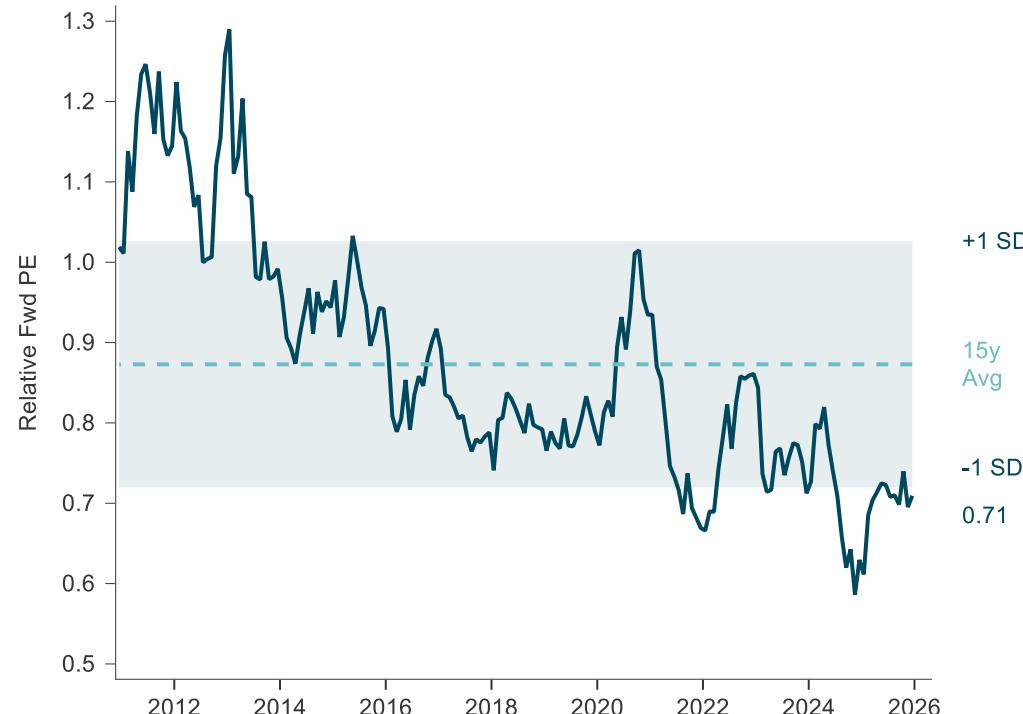


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Relative Valuations

MSCI Japan Relative P/E vs S&amp;P 500



Data as of December 31, 2025

FTSE 100 Relative P/E vs S&amp;P 500



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Relative Valuations

## MSCI World Growth Relative P/E vs MSCI World Value

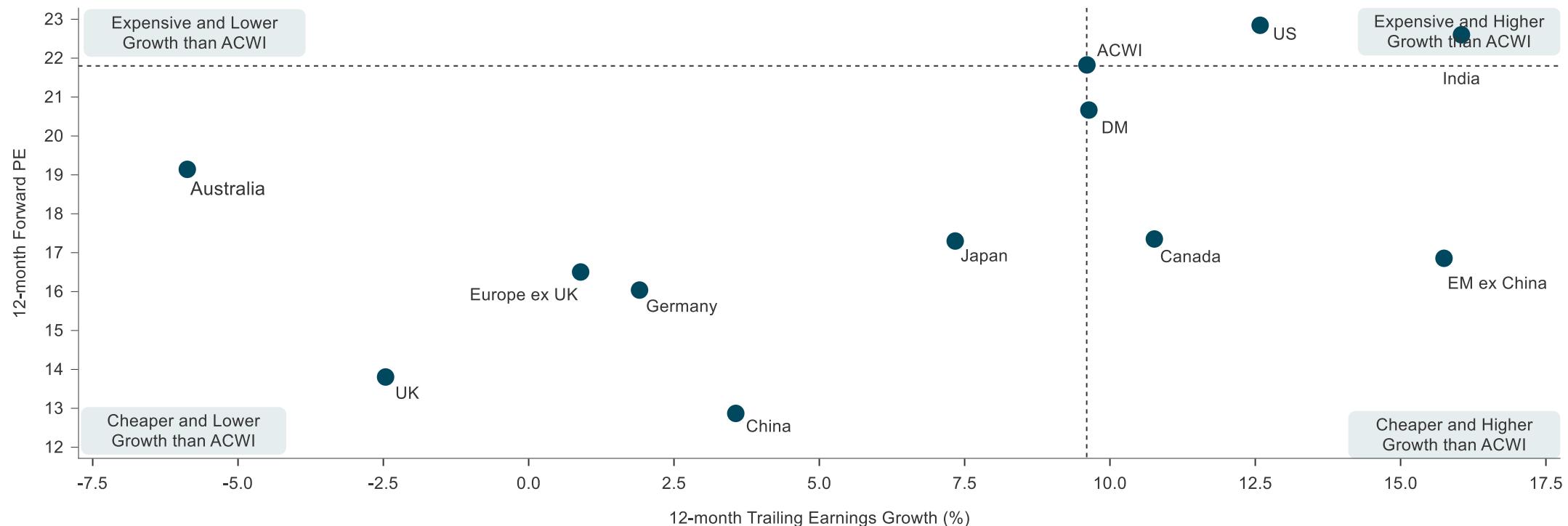


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Valuations

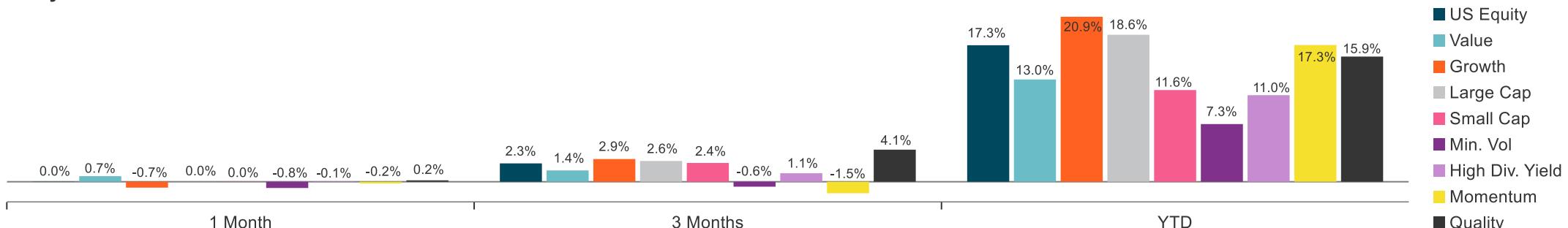
## Forward Price-Earnings & 12-month Trailing Earnings Growth



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

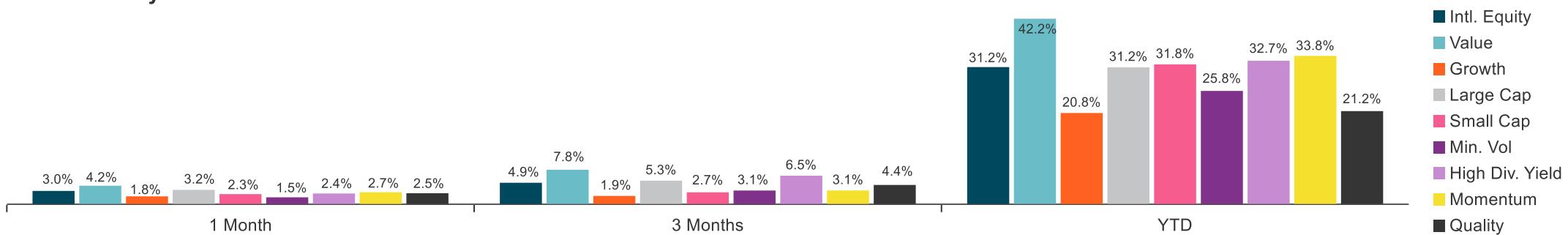
# Equity Styles

## US Style Returns



Data as of December 31, 2025

## International Style Returns

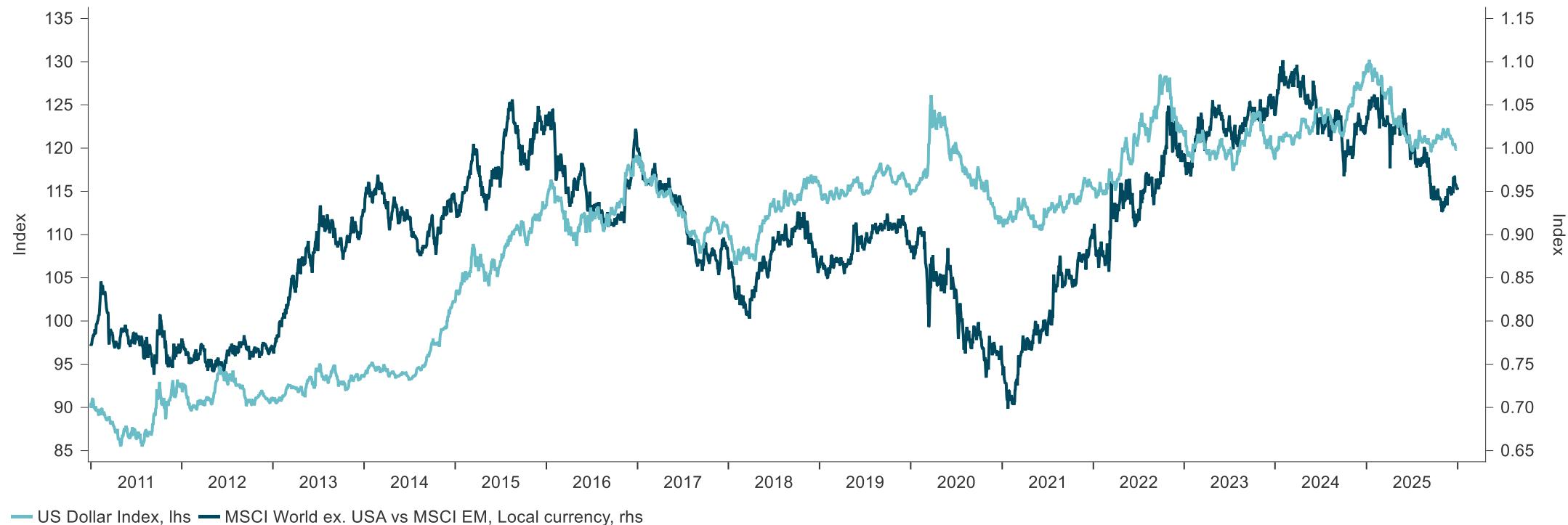


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Emerging Market Equities

Developed ex. US vs Emerging Market Equities & US dollar

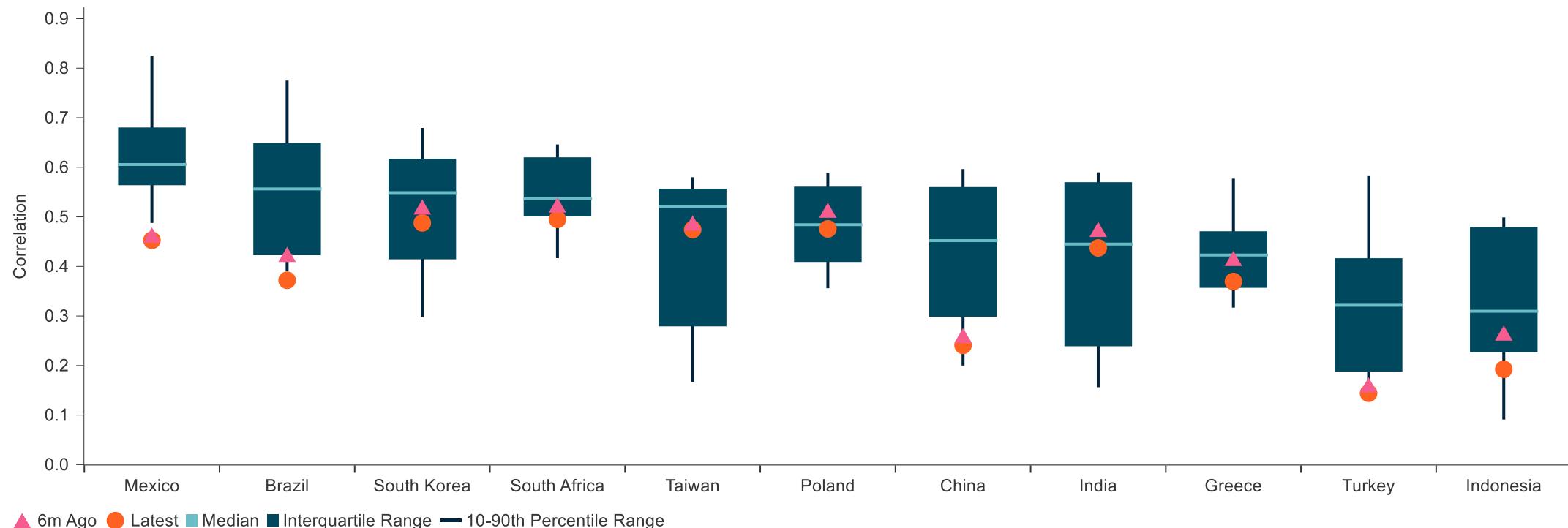


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Emerging Market Equities

## Return Correlation Between Emerging Markets & S&P 500

5y-rolling return correlation; mid & large cap MSCI, local currencies, sorted by median correlation on weekly returns, data since January 1993

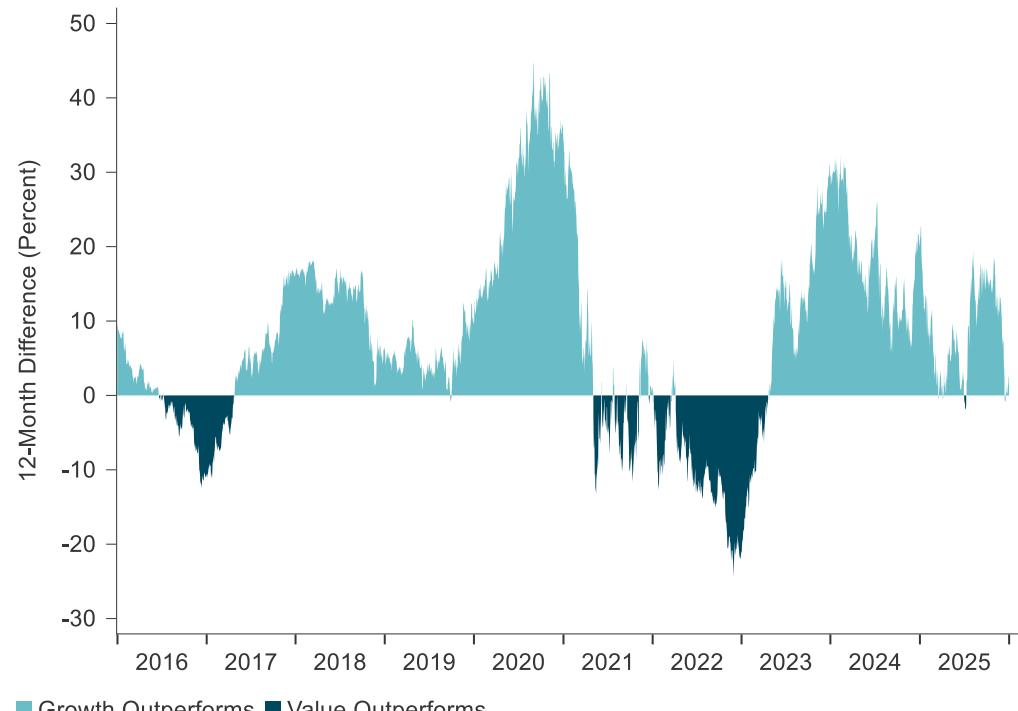


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# US Equity Trends

## Growth vs. Value Equity

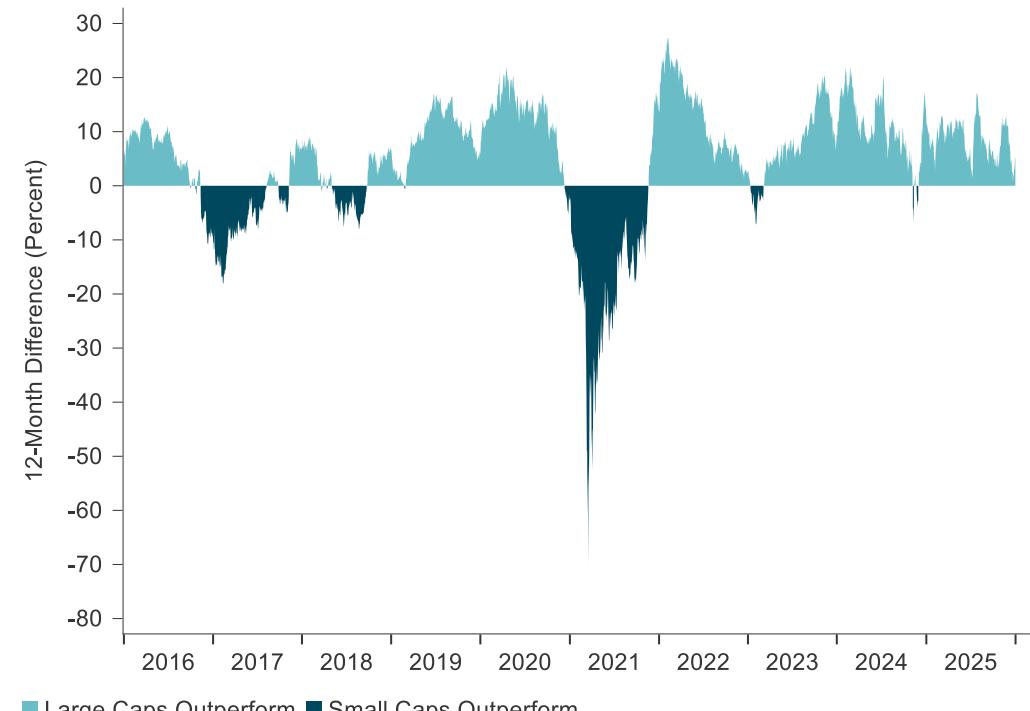
Rolling 12-Months



Data as of December 31, 2025

## Large Cap vs. Small Cap Equity

Rolling 12-Months



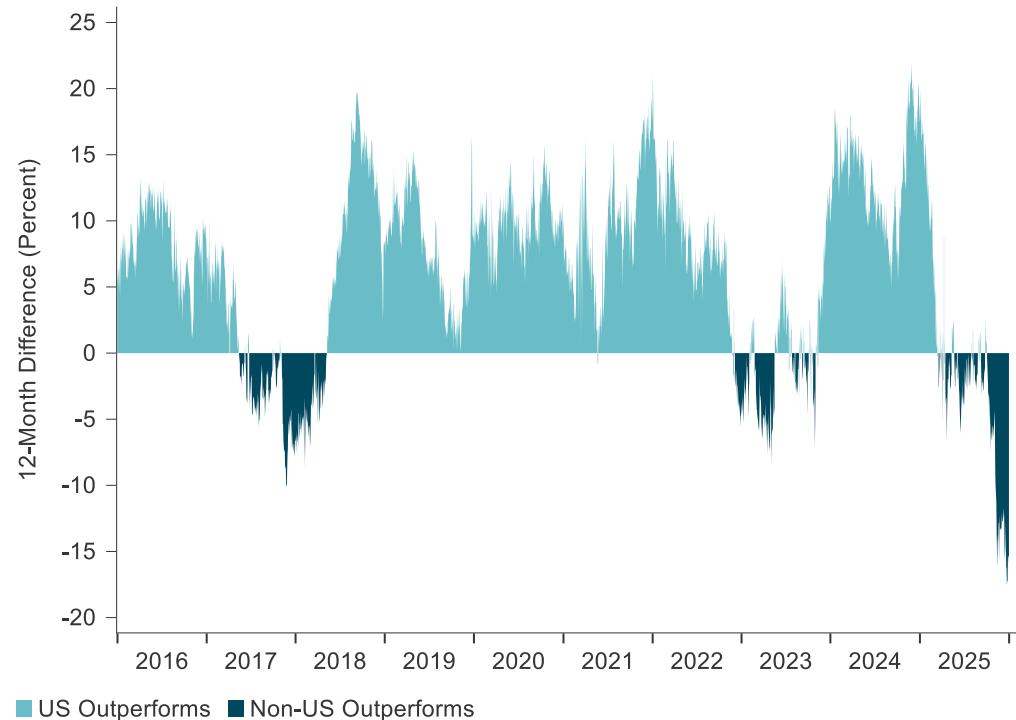
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Equity Trends

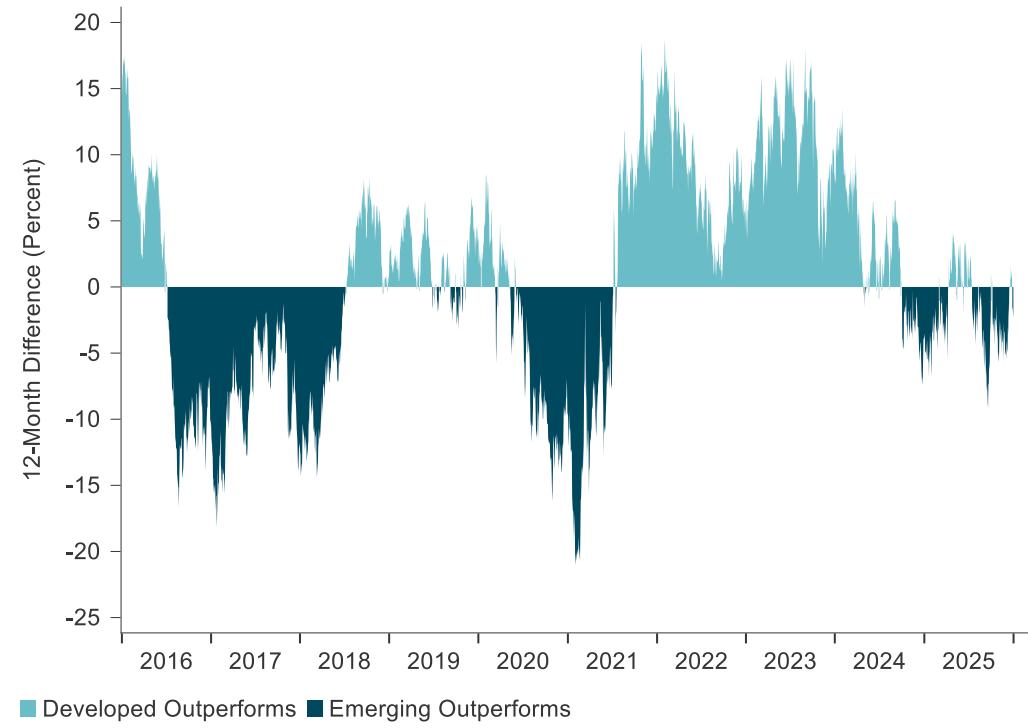
## US vs. Non-U.S Equity

Rolling 12-Months



## Developed vs. Emerging Market Equity

Rolling 12-Months



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

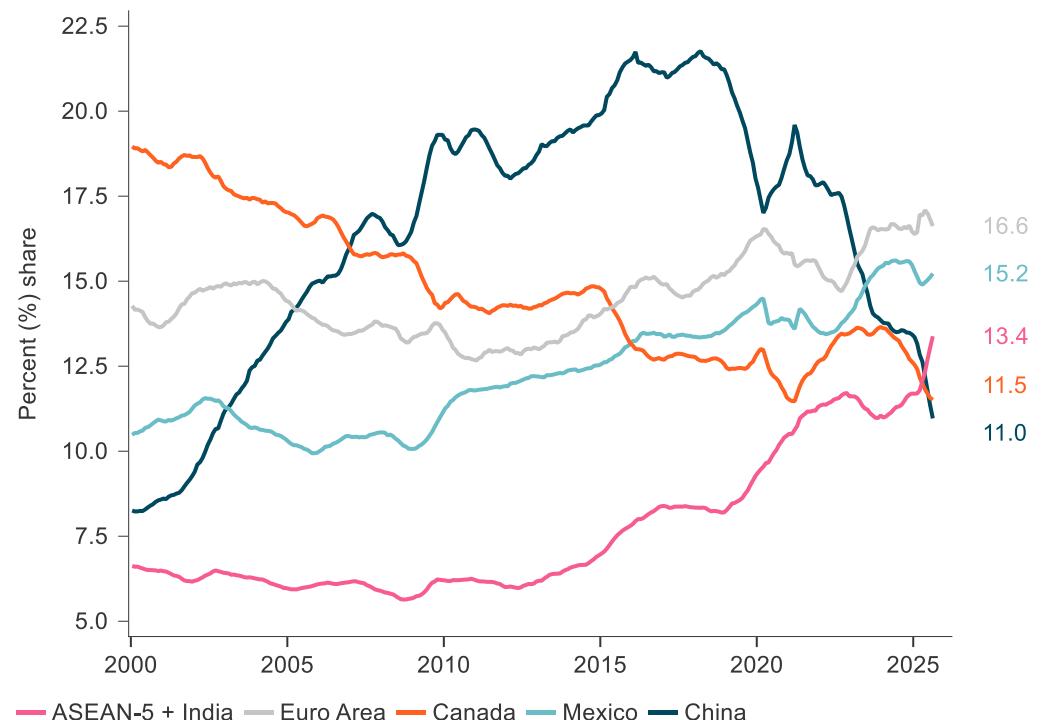
# APAC MACRO

038

## China's vulnerability to U.S. trade action is waning, but its surpluses elsewhere are soaring.

### U.S. Imports From Key Trading Partners

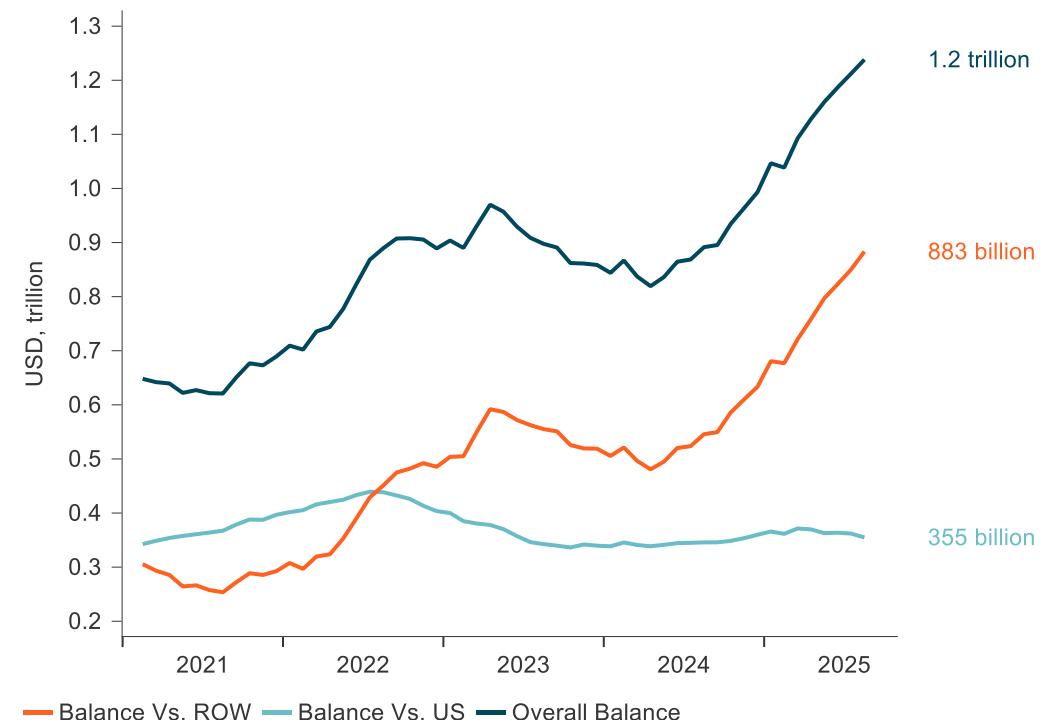
Percent share in total U.S. imports, annualized rate



Data as of December 31, 2025

### China - Trade Balance

Rolling 12 month sum



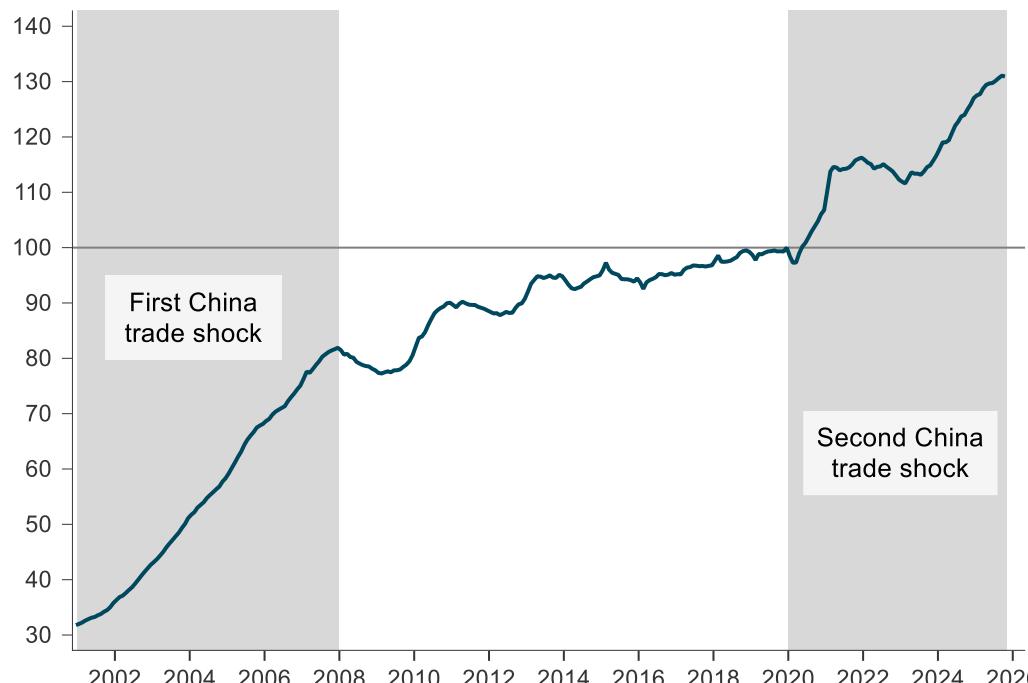
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

China's rising exports are generating a "second trade shock" and APAC trade balances versus China are eroding, excepting in Taiwan.

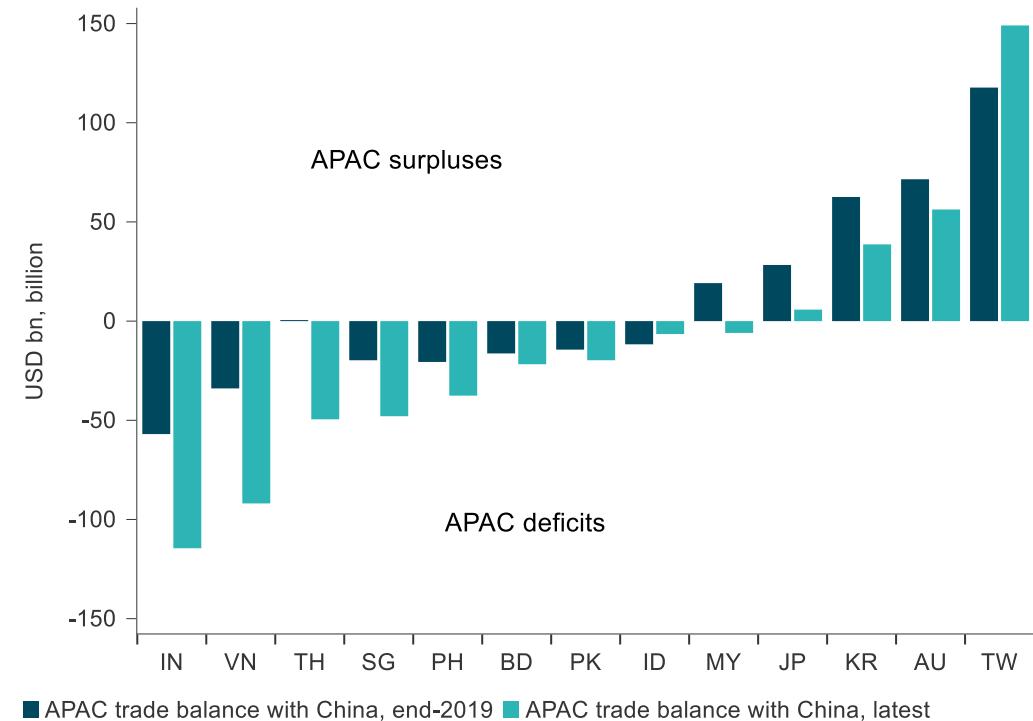
### Chinese Export Volumes Relative to World Exports

Chinese export volume indices normalized by world exports. Annualized and rebased to 100 at end 2019



### China's Bilateral Trade Relationship with APAC - Latest versus end-2019

Latest 12 month aggregated balance using Chinese customs data

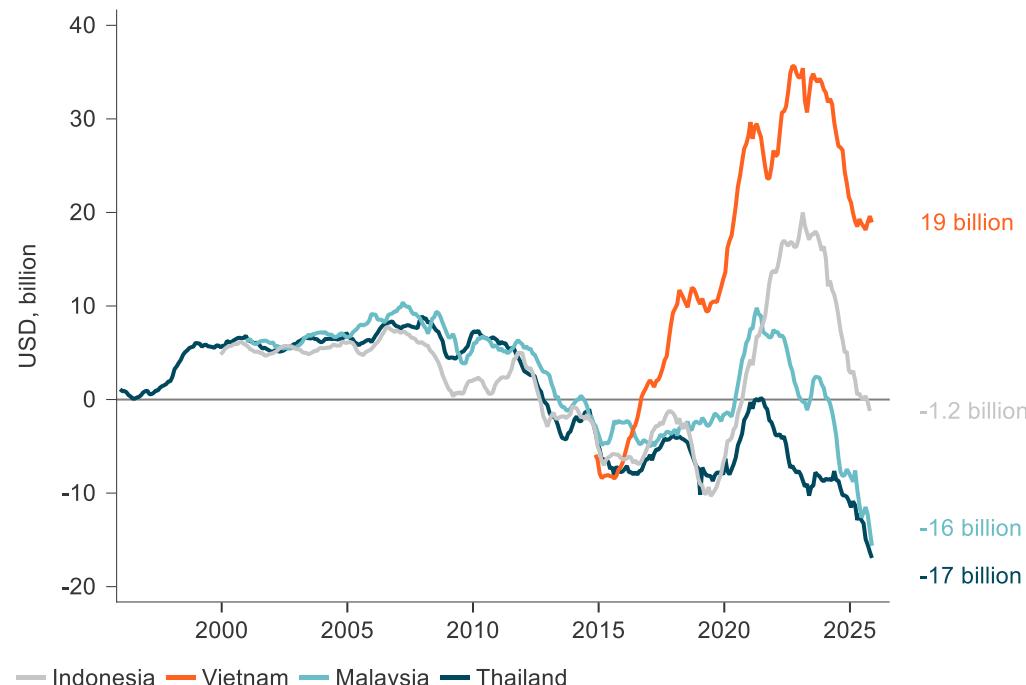


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

Despite a recent deterioration in select ASEAN economies' net trade with China & the U.S., overall current account balances are still holding up - implying improving net trade positions with the ROW.

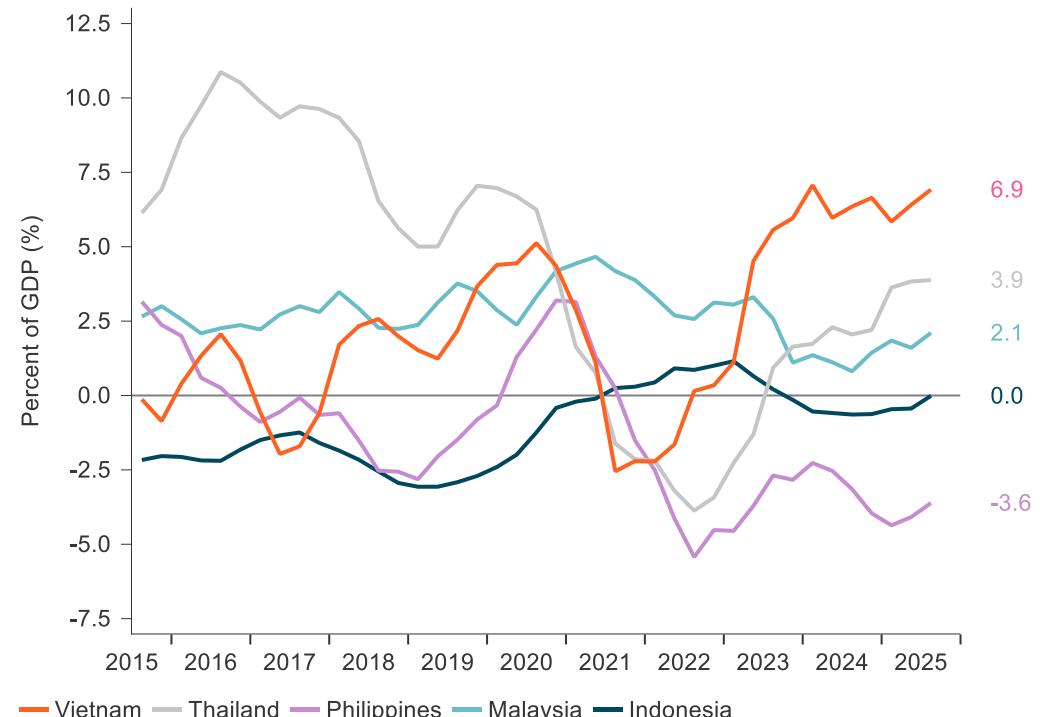
#### ASEAN-4 Net Trade Balance with U.S. and China

Bilateral trade balance with U.S. + bilateral trade balance with China, 12-month rolling sum



#### Current Account Balances at Select ASEAN Economies

Annualized, and expressed as percent of GDP

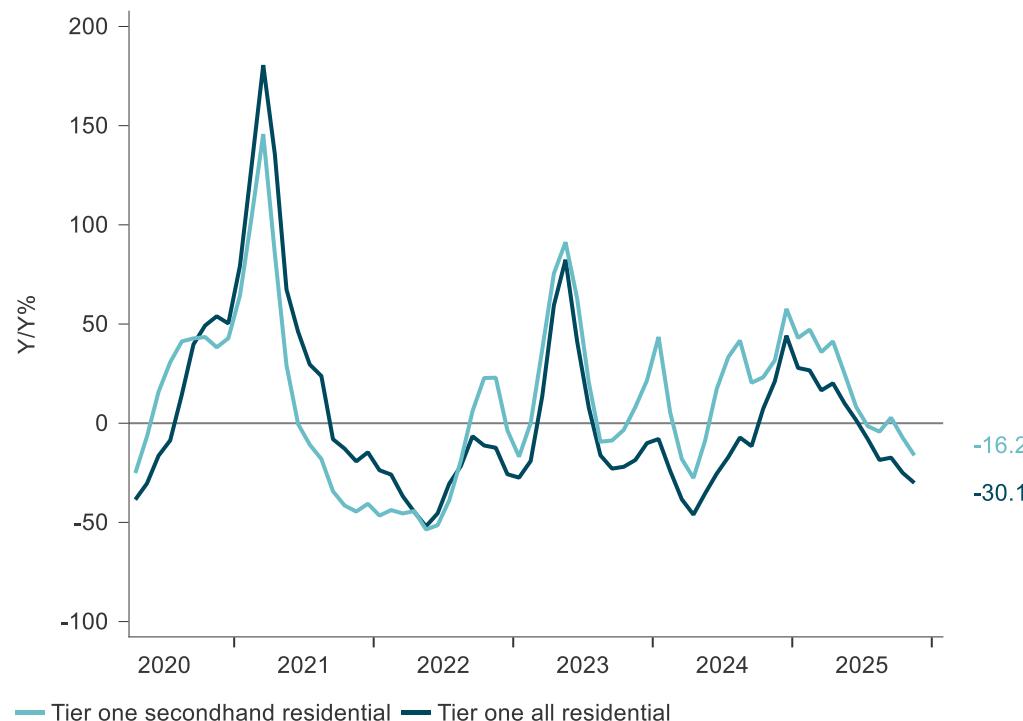


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

## China's weakening property and activity trends are rekindling policy easing expectations.

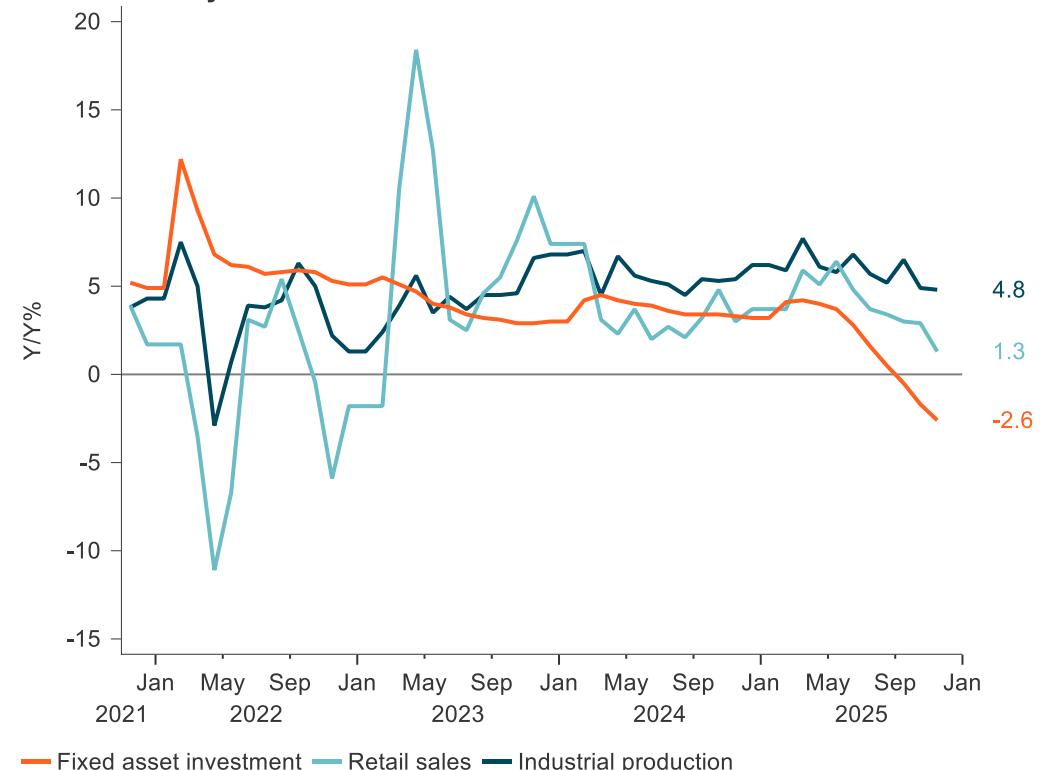
**China: Real Estate Transaction Volume in Tier One Cities**

3-month moving average, yearly percent change



Data as of December 31, 2025

**China: Activity Indicators**



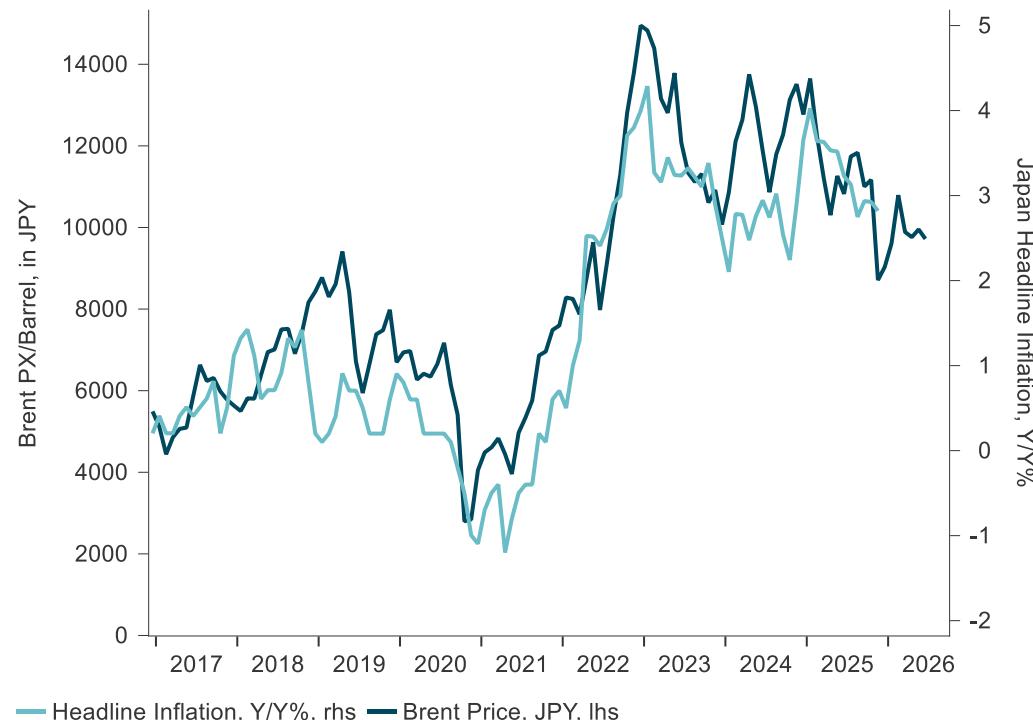
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

## Japanese inflation poised to ease on lower oil & food prices, & activity surprised to the upside.

### Japan: Oil price (in JPY) and Headline Inflation

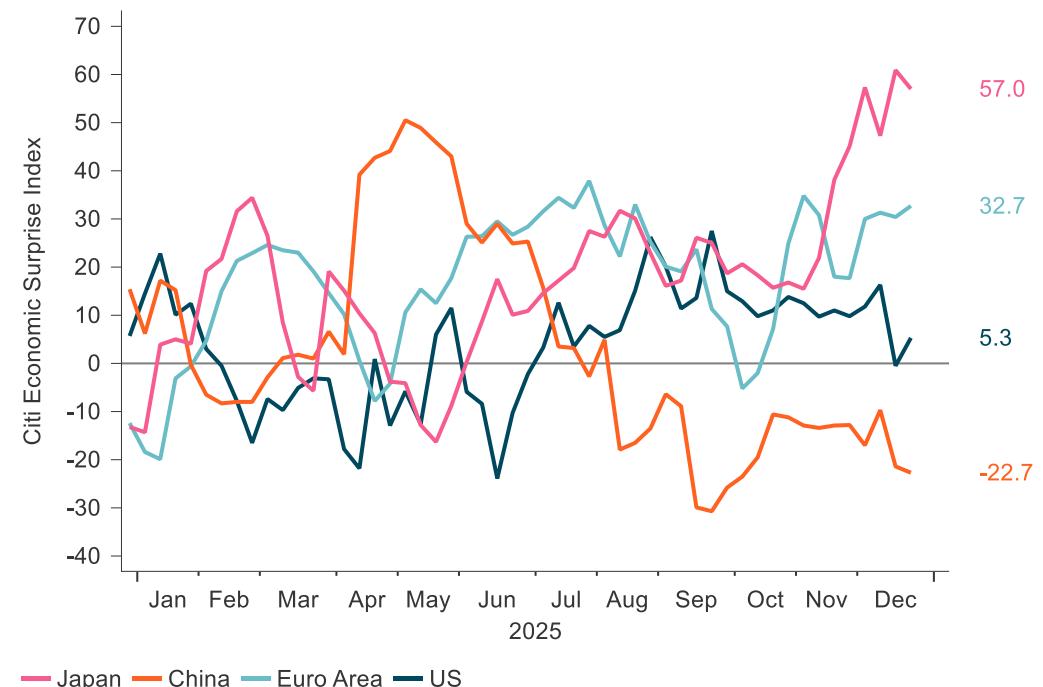
Oil prices are lagged by 7 months



Data as of December 31, 2025

### Citi Economic Surprise Index: G3 and China

The Citi Economic Surprise Indices measure data surprises relative to market expectations. Stronger (Weaker) is Positive (Negative)



Data as of December 31, 2025

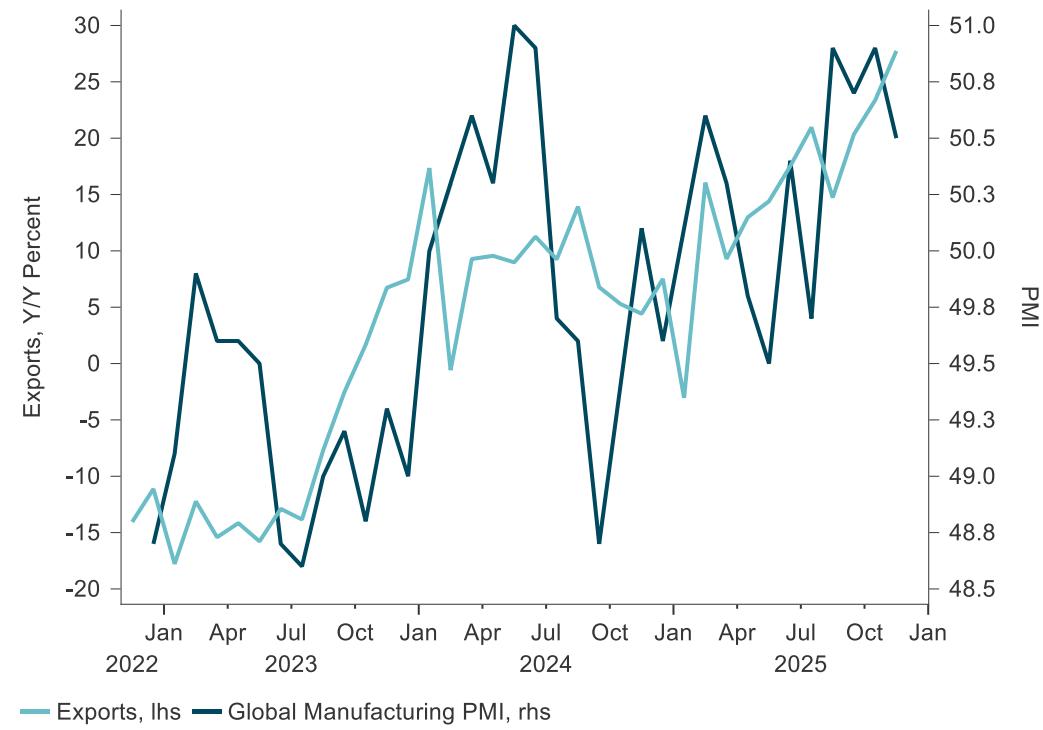
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

## APAC's AI-led electronics exports remain strong on tight inventories & firm manufacturing PMIs.

**Growth in the Exports of Korea & Taiwan vs Their Average Shipment-to-Inventory Ratio**



**Growth in the Exports of Korea, Taiwan vs Global Manufacturing PMI**

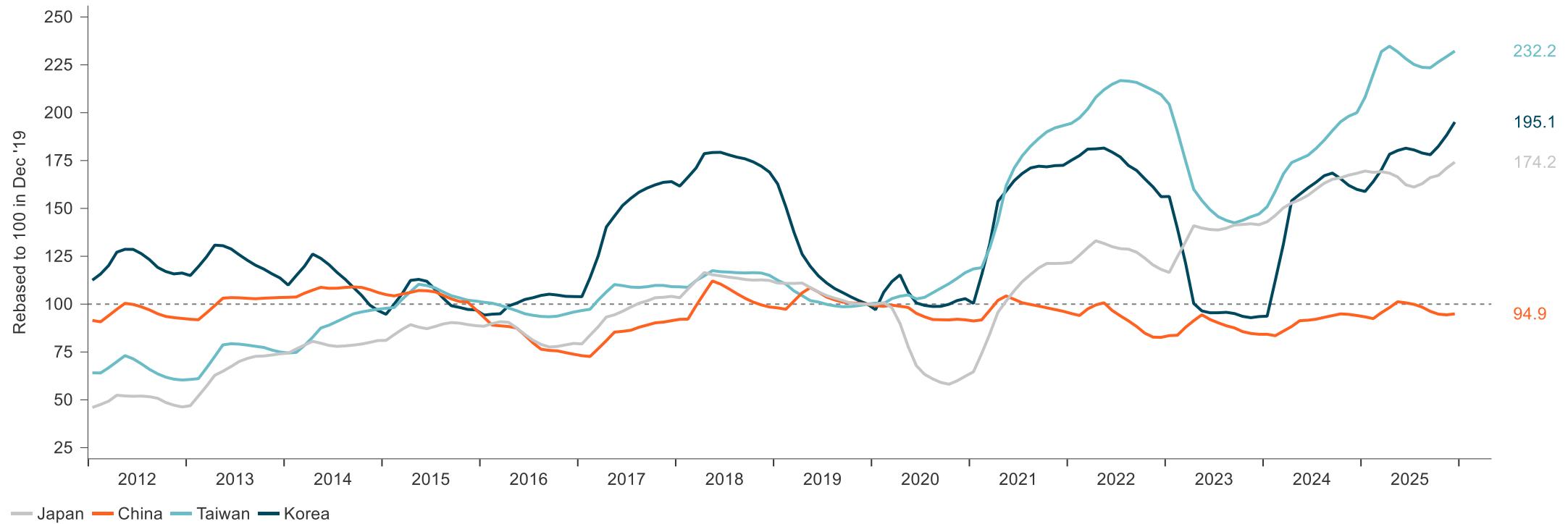


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

## APAC forward earnings improving but stagnant in China.

### EPS Trends: Taiwan, Korea, China & Japan

Three-month moving average, rebased to 100 in December 2019

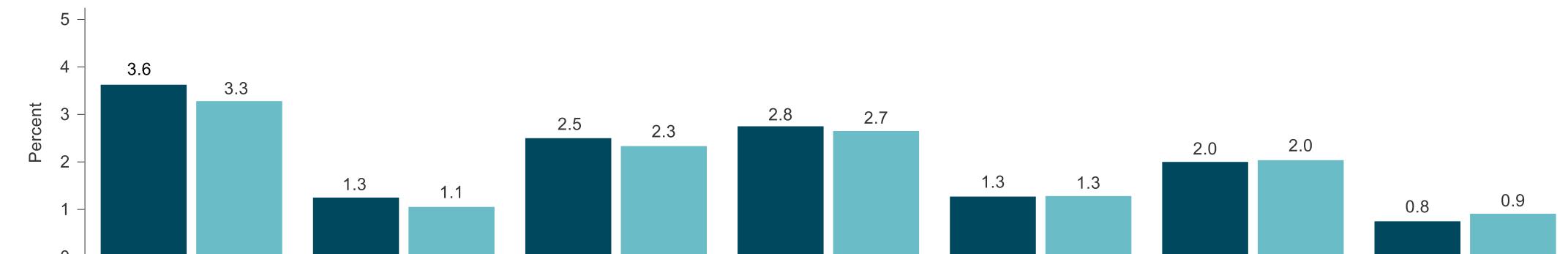


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

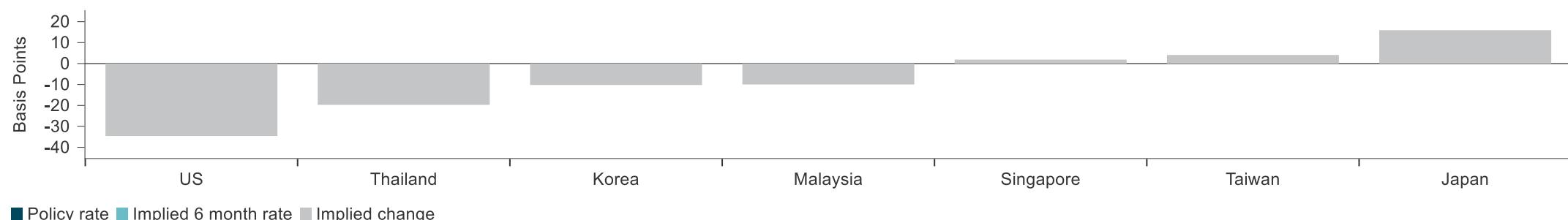
## Swap markets anticipating sizable cuts in U.S. in 6 months, but less dovish elsewhere in APAC.

### APAC & US Rates, and 6 Month Market Implied Rate

Current policy/short-term rate & 6 month (swap) market implied rate (top pane)



### Implied change in short-term rate, 6 months from now (bottom pane)



■ Policy rate ■ Implied 6 month rate ■ Implied change

Data as of December 31, 2025

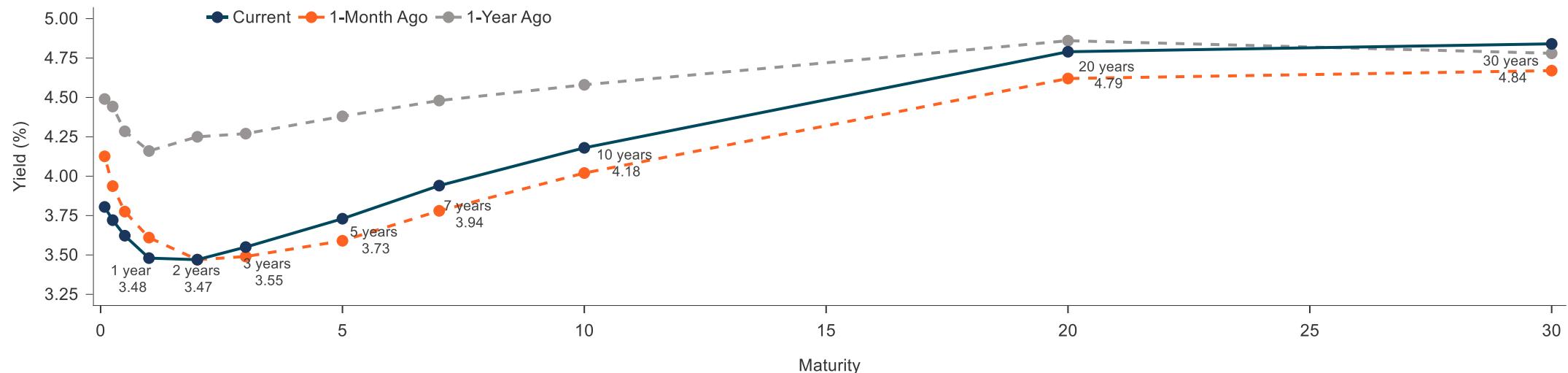
Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# FIXED INCOME

09

# US Yield Curve

## US Treasury Yield Curve

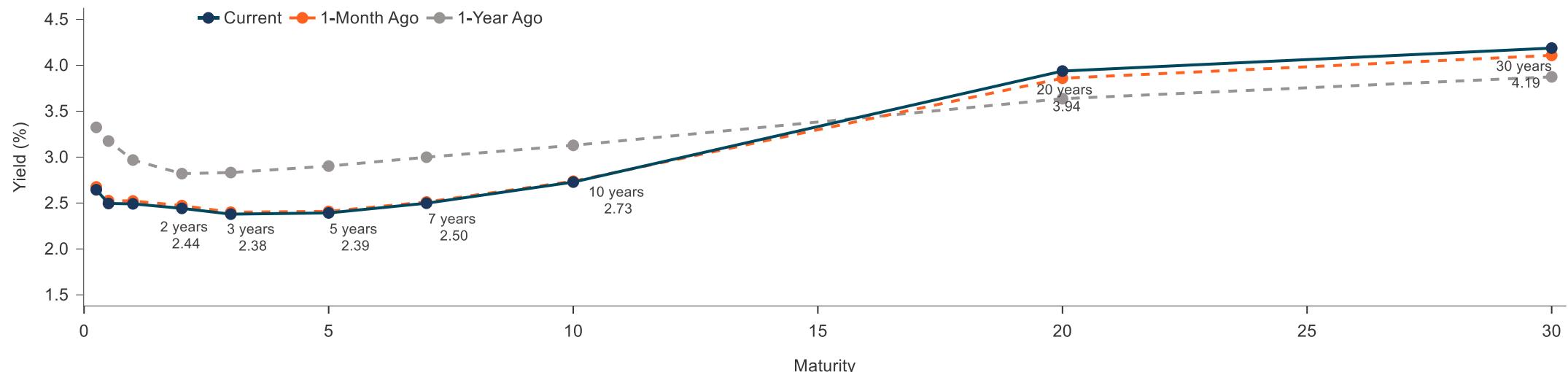


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# US Municipal Yield Curve

## US Municipal Yield Curve



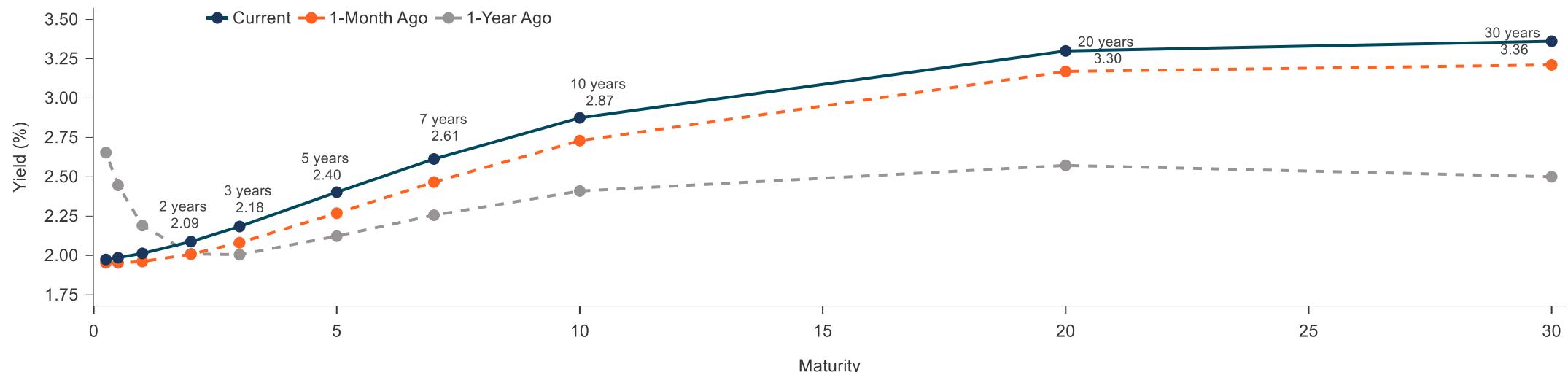
Nominal Yield (%)	3 Month	6 Month	1 Year	2 Year	3 Year	5 Year	7 Year	10 Year	20 Year	30 Year
Current	2.64	2.50	2.49	2.44	2.38	2.39	2.50	2.73	3.94	4.19
1-Month Ago	2.68	2.53	2.52	2.47	2.40	2.41	2.51	2.74	3.86	4.11
1-Year Ago	3.32	3.18	2.97	2.82	2.83	2.90	3.00	3.13	3.64	3.87

Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Euro Area Yield Curve

## Euro Area Yield Curve



Nominal Yield (%)	3 Month	6 Month	1 Year	2 Year	3 Year	5 Year	7 Year	10 Year	20 Year	30 Year
Current	1.97	1.99	2.01	2.09	2.18	2.40	2.61	2.87	3.30	3.36
1-Month Ago	1.95	1.95	1.96	2.01	2.08	2.27	2.47	2.73	3.17	3.21
1-Year Ago	2.65	2.45	2.19	2.01	2.01	2.12	2.26	2.41	2.57	2.50

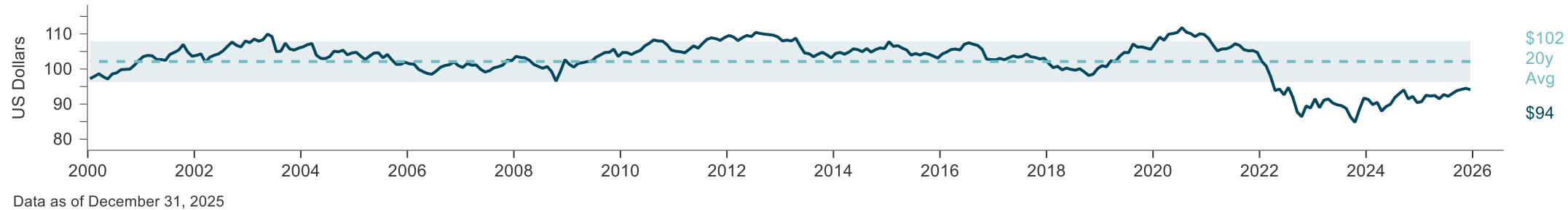
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Components of Return

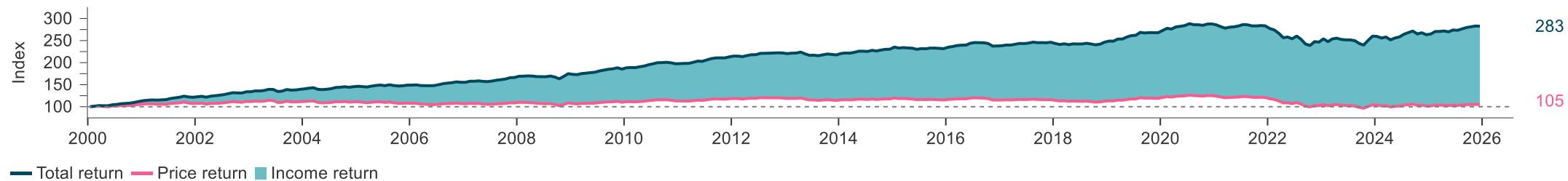
## Bloomberg US Agg Weighted Average Bond Price

Teal shaded region indicates +1 and -1 Standard Deviation



## Bloomberg US Agg Bond Index Return Components

Teal region indicates the portion of total return derived from income return

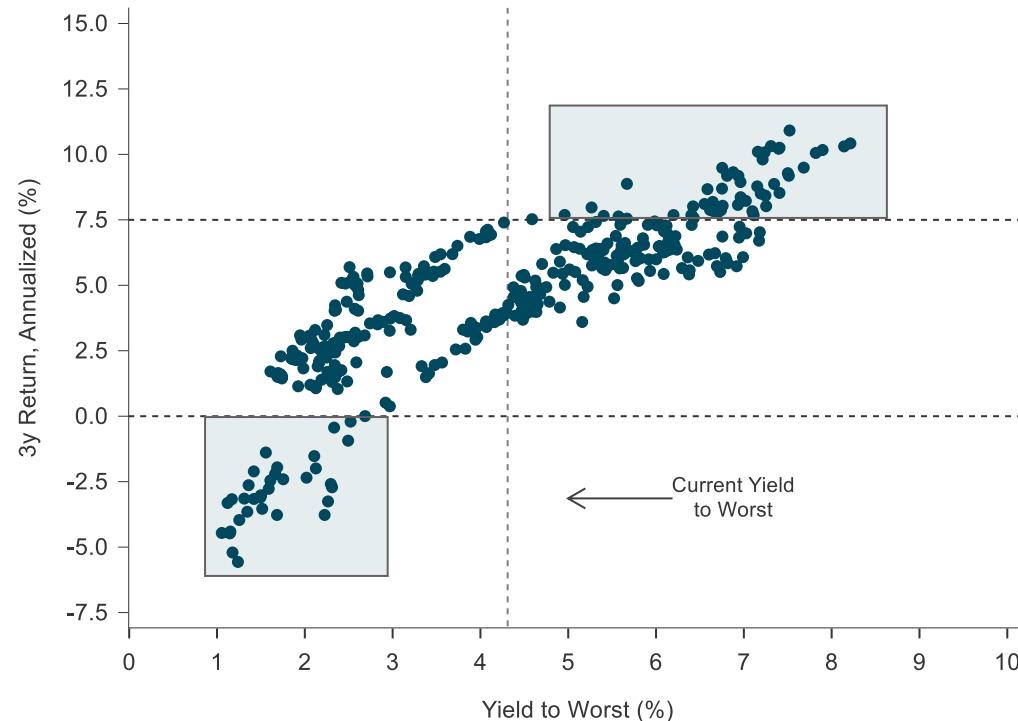


Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# US Agg Valuations

## US Agg Broad Bond Index Valuations

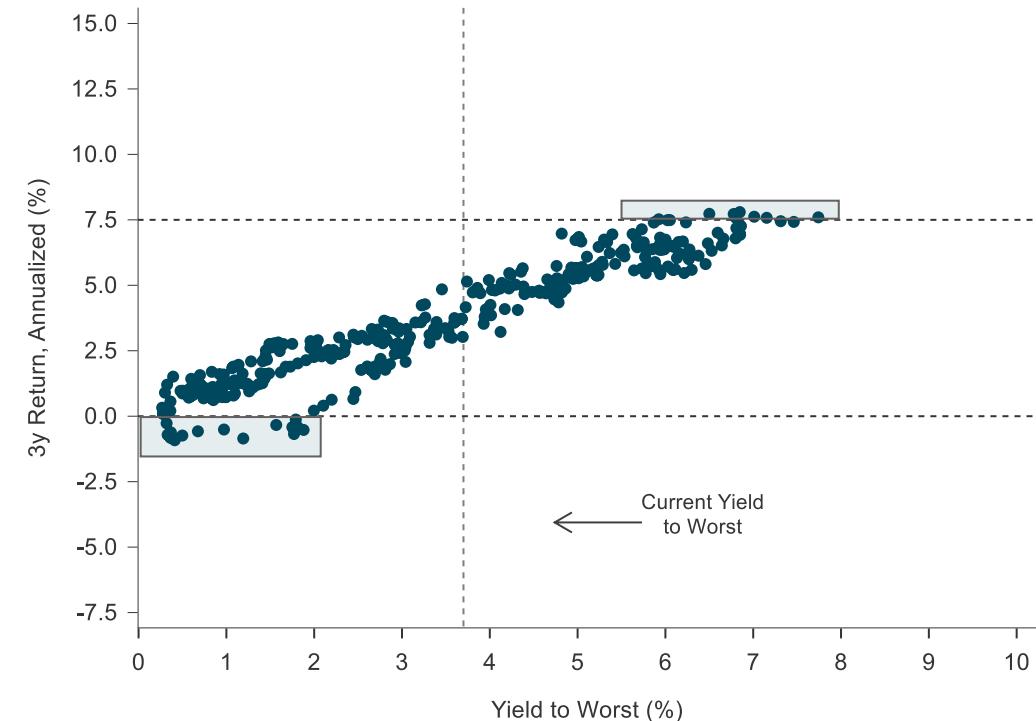
Starting yield and subsequent 3-year return, annualized, since March 1993



Data as of December 31, 2025

## US Agg (1-3 Years) Bond Index Valuations

Starting yield and subsequent 3-year return, annualized, since March 1993



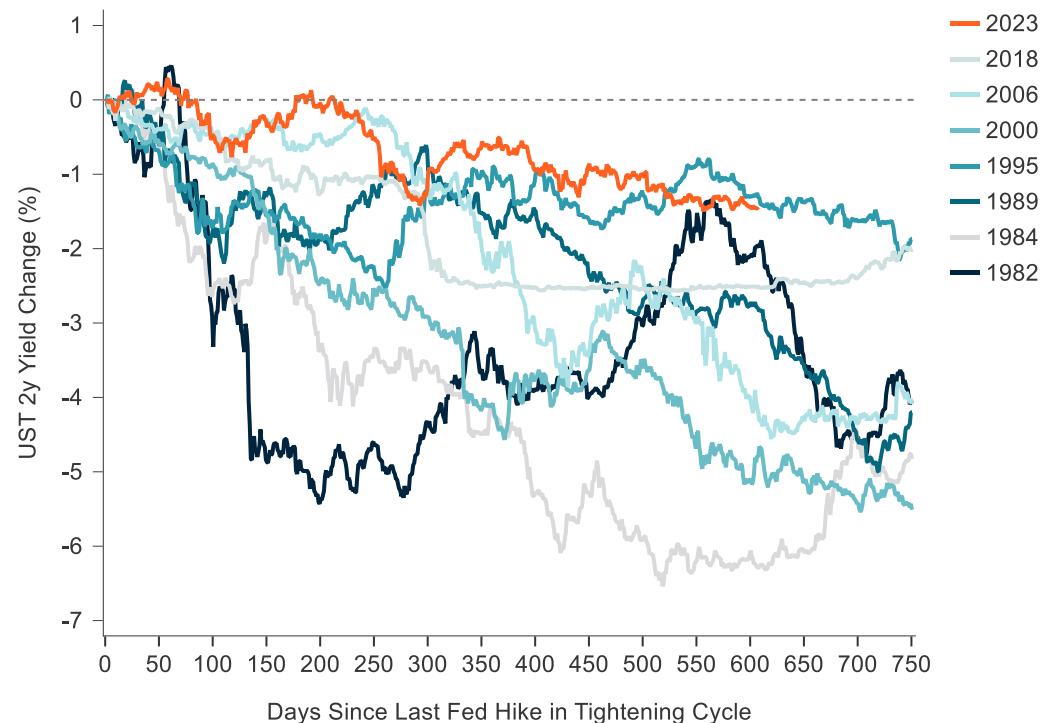
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Light teal shades denote 3-year annualized performance greater than 7.5% and negative 3-year annualized performance. 7.5% represents the approximate upper bound performance average for the US Aggregate 1-3 Years Bond Index.

# Interest Rate & Last Fed Hike

## US Treasury 2-year Yields

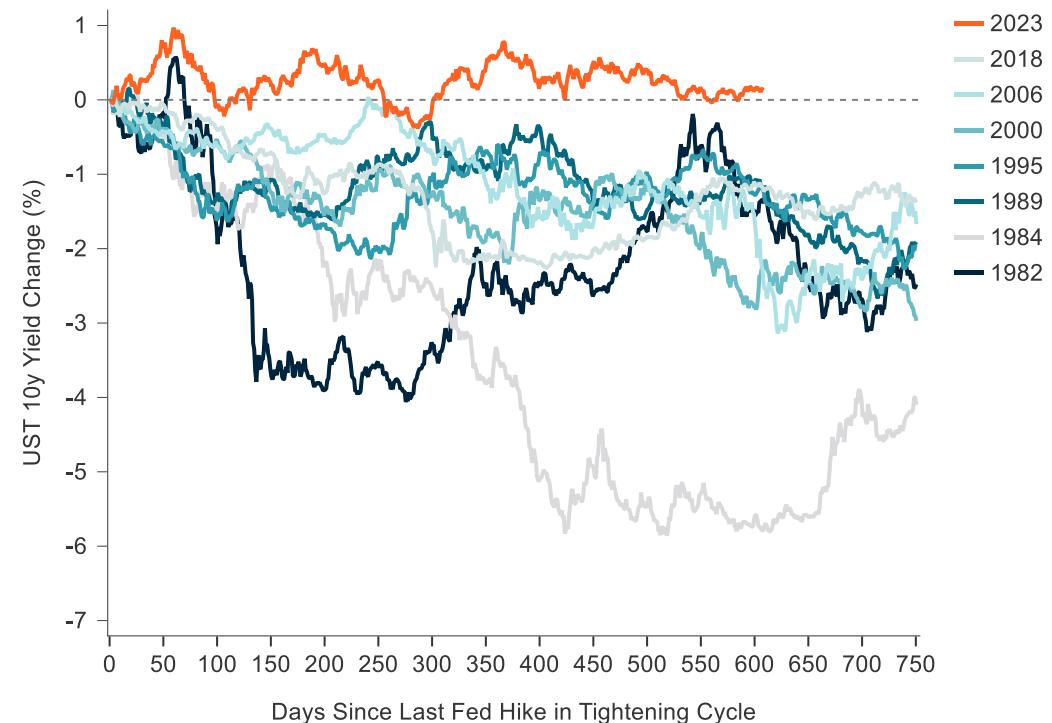
After last Fed hike



Data as of December 31, 2025

## US Treasury 10-year Yields

After last Fed hike

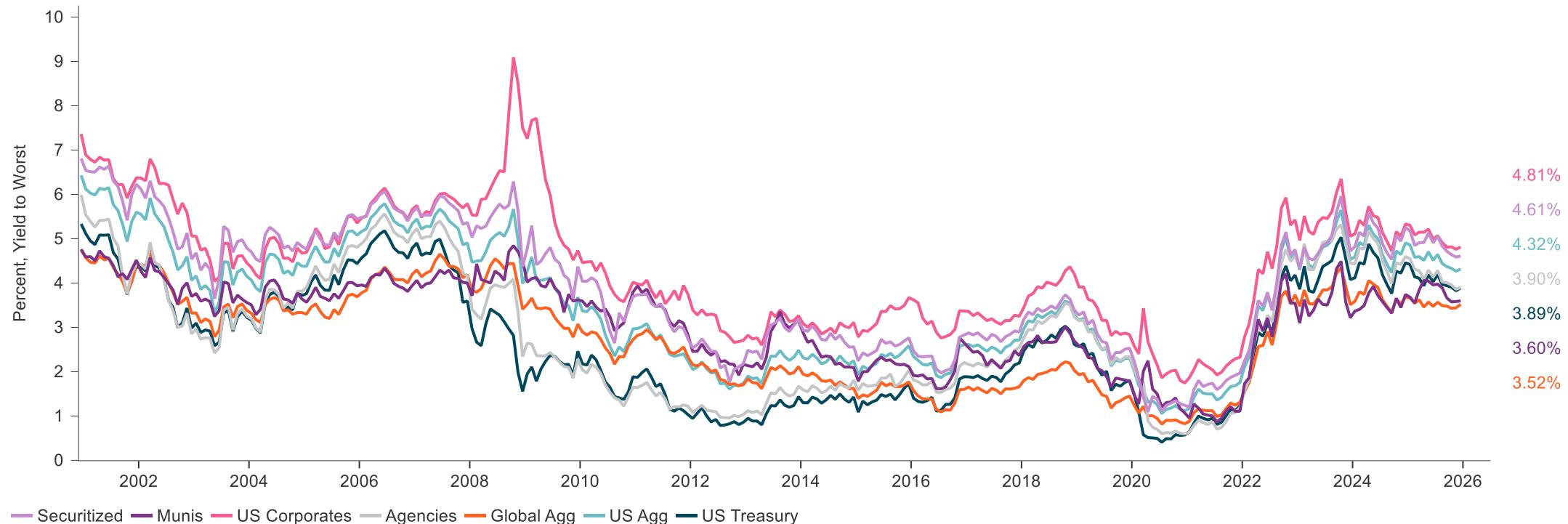


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Investment Grade Bonds

## Yields

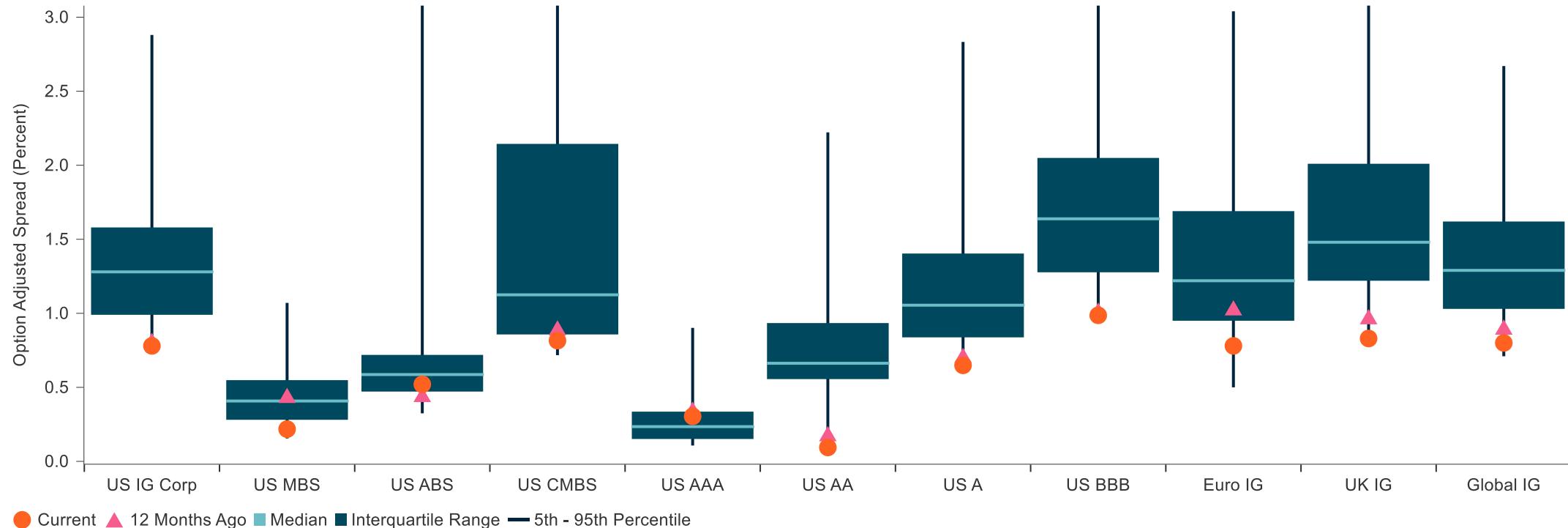


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Yield to worst represent the lowest possible yield an investor is expected to receive assuming no default.

# Investment Grade Bonds

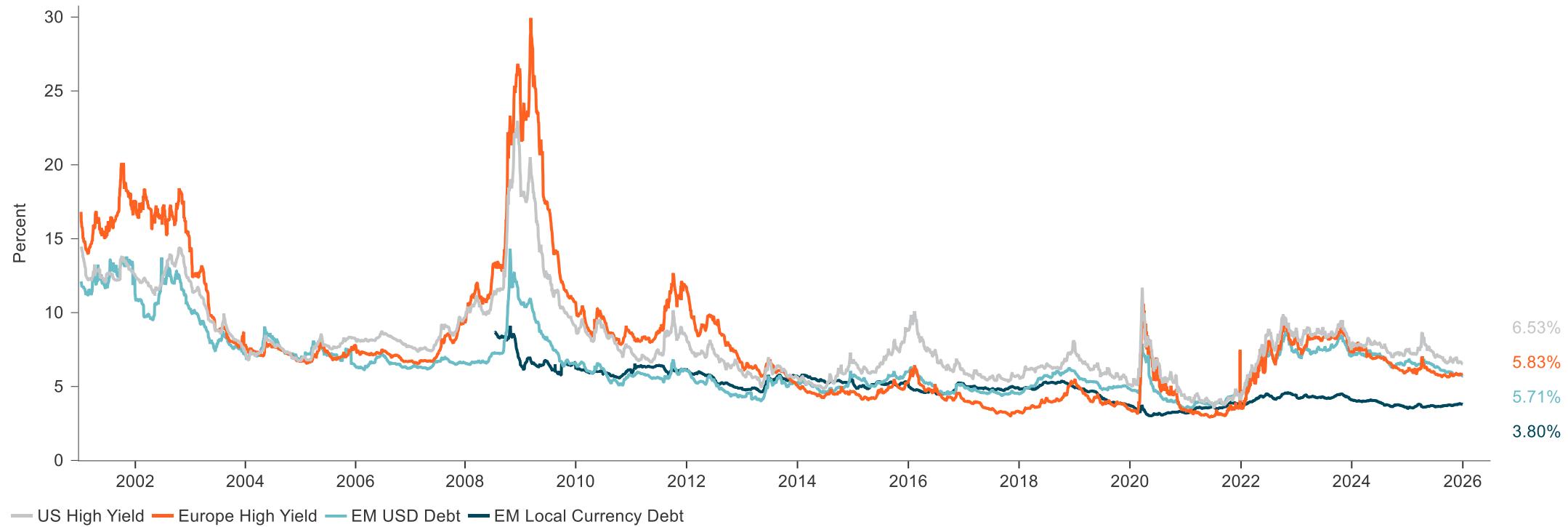
## Credit Spreads



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Spreads are quoted as the OAS to the US sovereign curve which represents the flat spread that must be added to discount a bond payment to match its market price. Credit spreads show current spreads relative to trailing 20-years as of date in chart above.

# High Yield Bonds & Emerging Market Debt

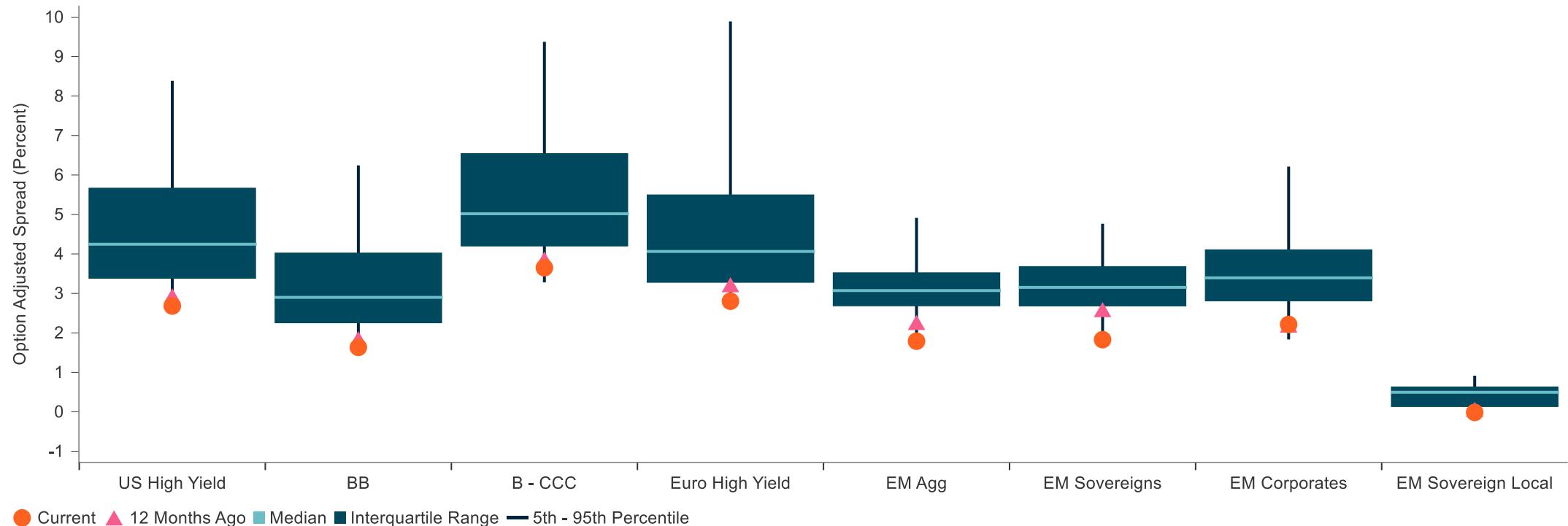
## Yields



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# High Yield Bonds & Emerging Market Debt

## Credit Spreads



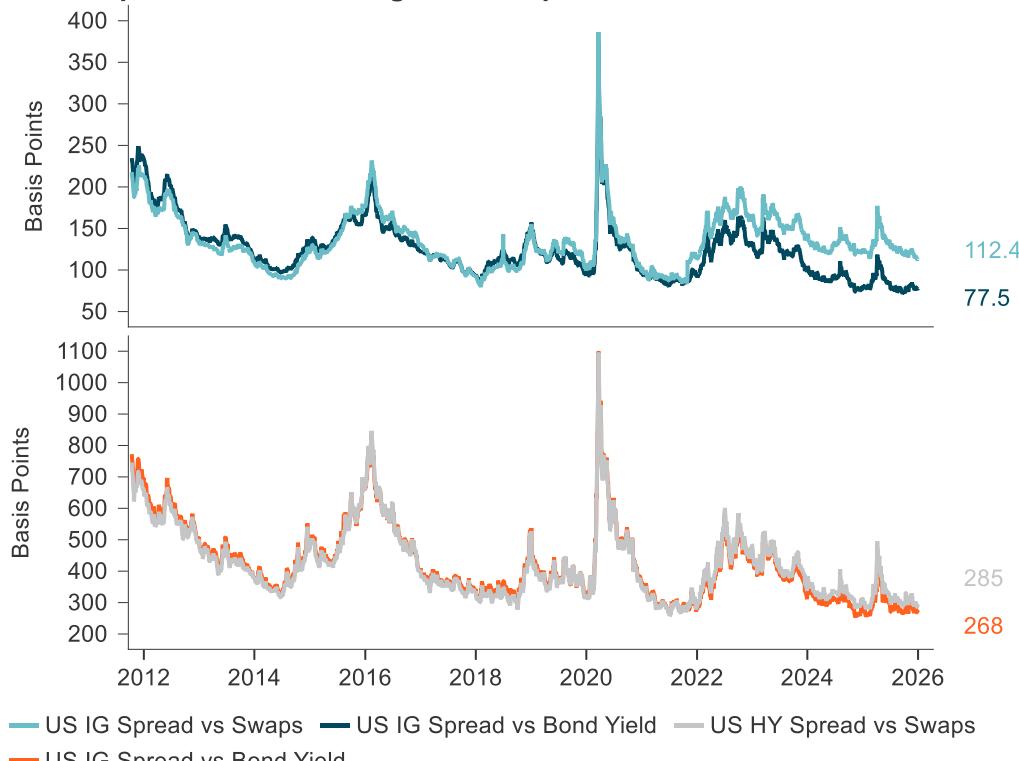
● Current ▲ 12 Months Ago ■ Median ■ Interquartile Range ━ 5th - 95th Percentile

Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Spreads are quoted as the OAS to the US sovereign curve which represents the flat spread that must be added to discount a bond payment to match its market price. Credit spreads show current spreads relative to trailing 20-years as of date in chart above.

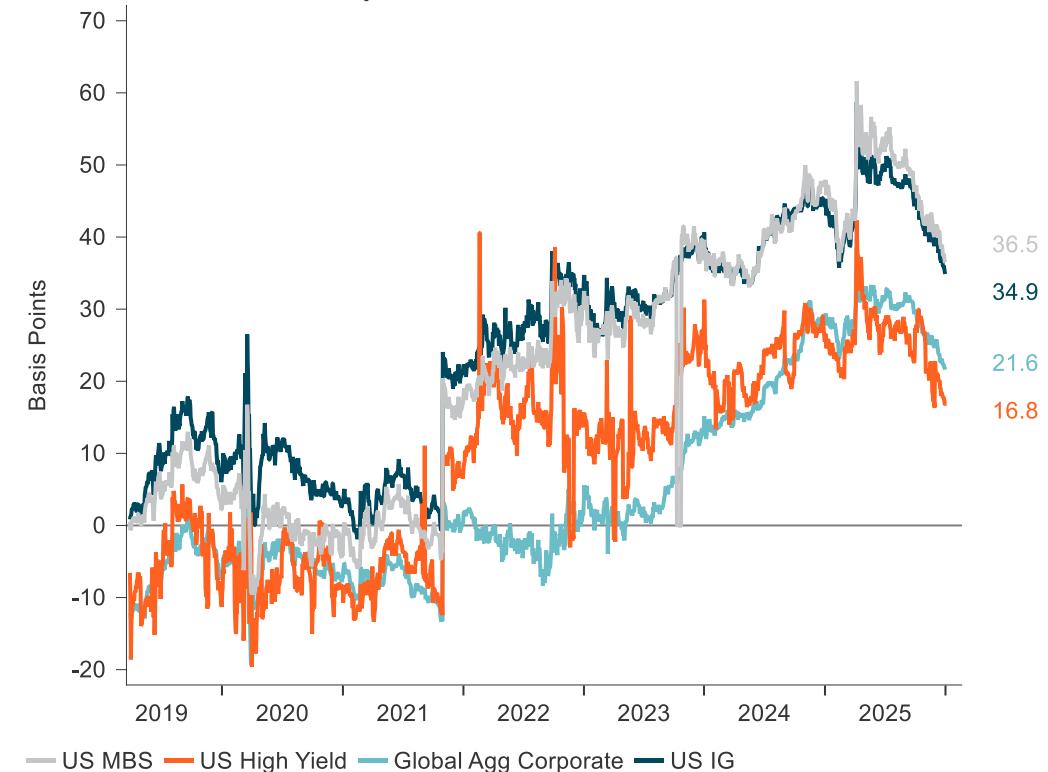
# Credit Spreads versus Swaps

Credit Spreads Measured Against Swaps vs Government Bonds



Data as of December 31, 2025

Difference Between Swap & Bond Yield Measure

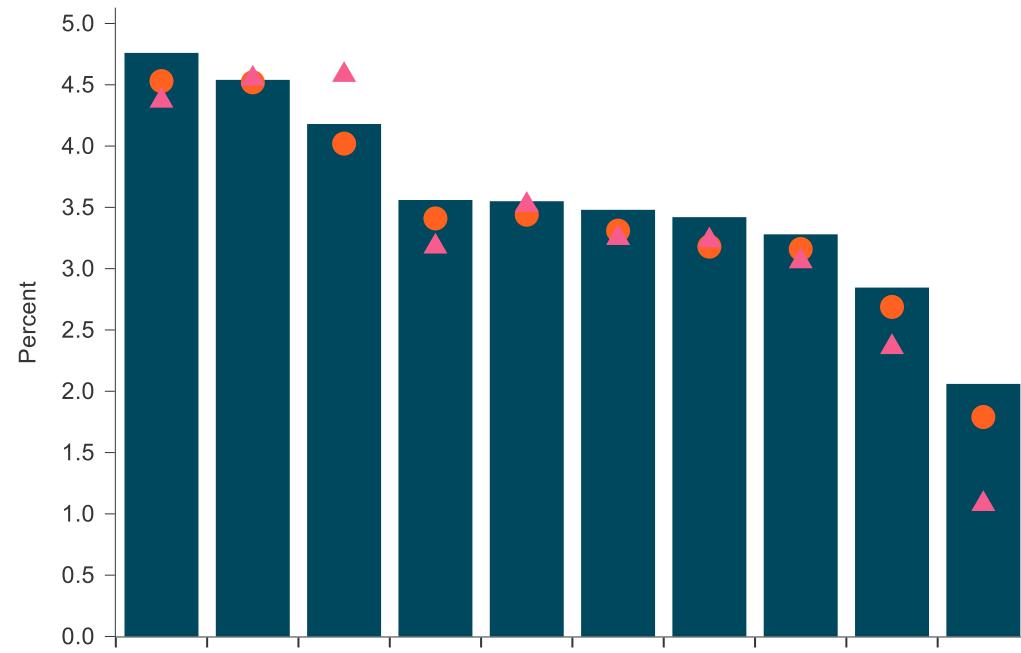


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Spreads are quoted as the OAS to the US sovereign curve which represents the flat spread that must be added to discount a bond payment to match its market price. Credit spreads show current spreads relative to trailing 20-years as of date in chart above.

# Bonds Without Borders

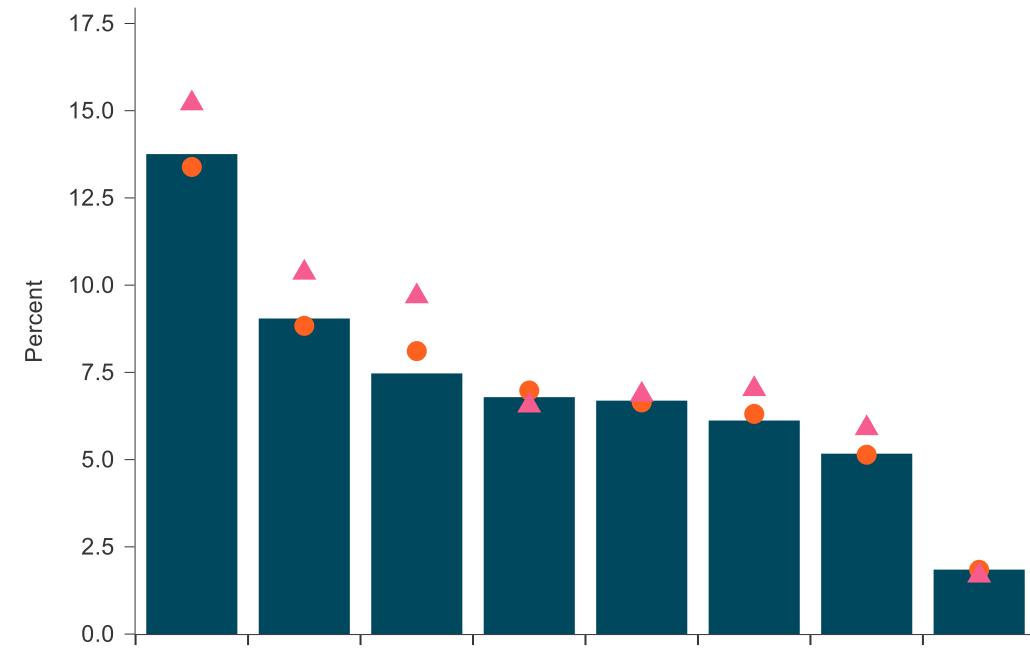
## Developed Markets Bond Yields



▲ 12-months Ago   ● 1-month Ago   ■ Latest Yield

Data as of December 31, 2025

## Emerging Markets Bond Yields



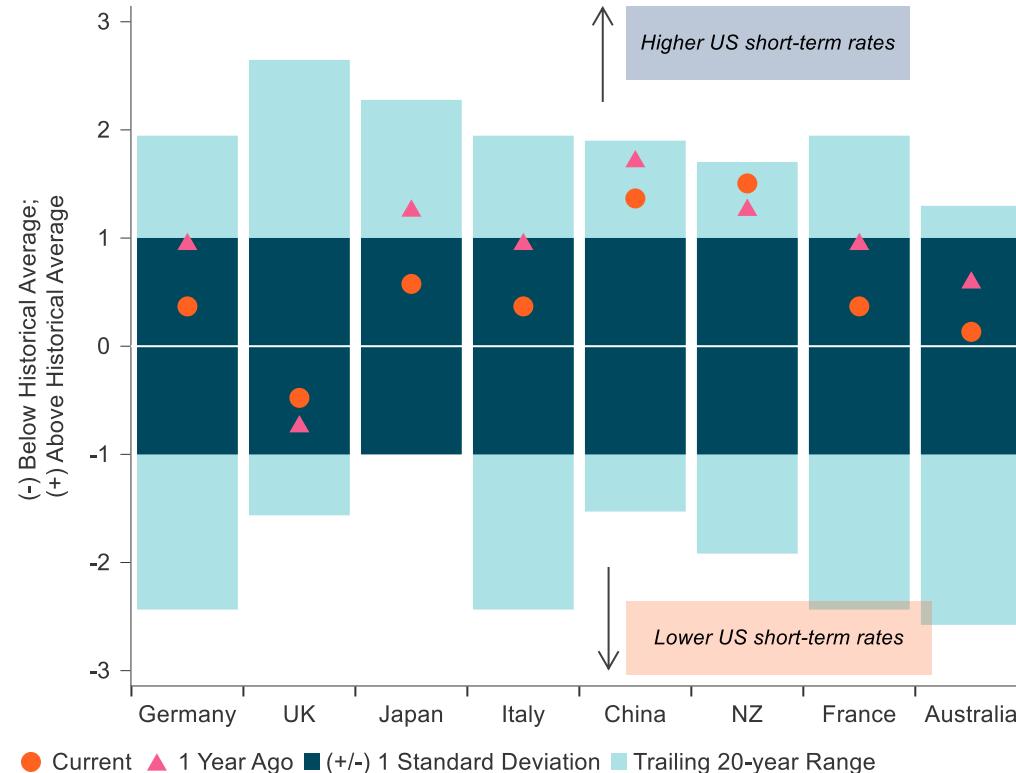
▲ 12-months Ago   ● 1-month Ago   ■ Latest Yield

Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

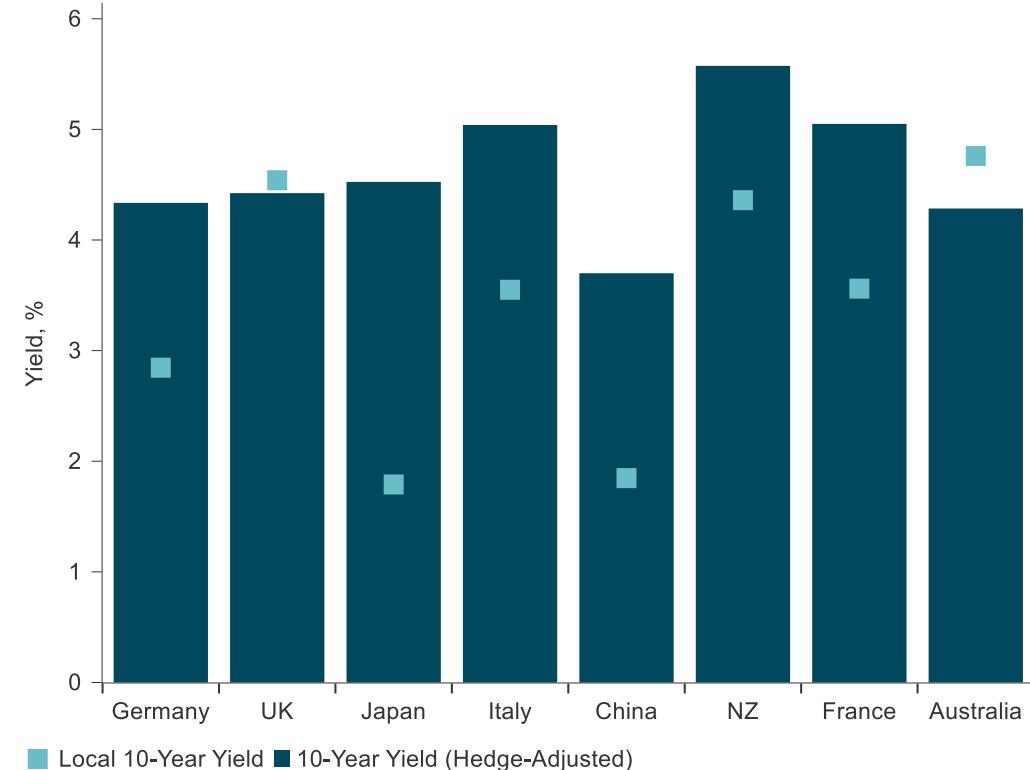
# Bonds Without Borders

Difference in Short-term Interest Rates



Data as of December 31, 2025

Global Sovereigns Hedged &amp; Unhedged

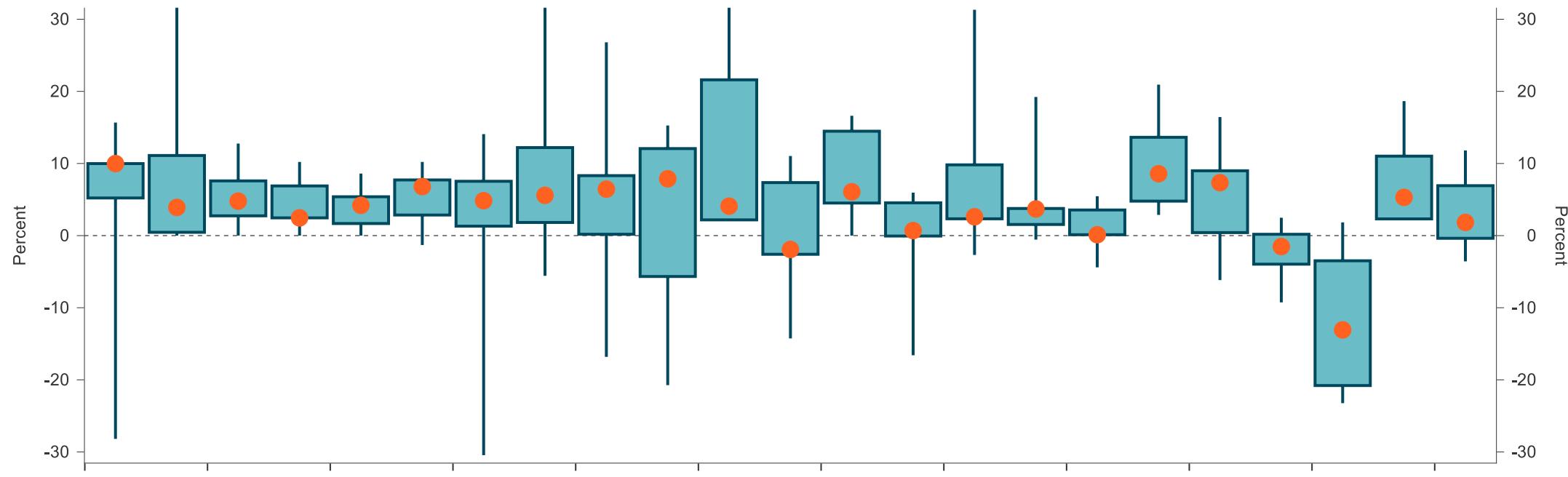


Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Bonds Without Borders

## Historical Return Range



● United States, rhs □ Box Represents G7 Total Return Range; Horizontal Line Represents Global Range, Ihs

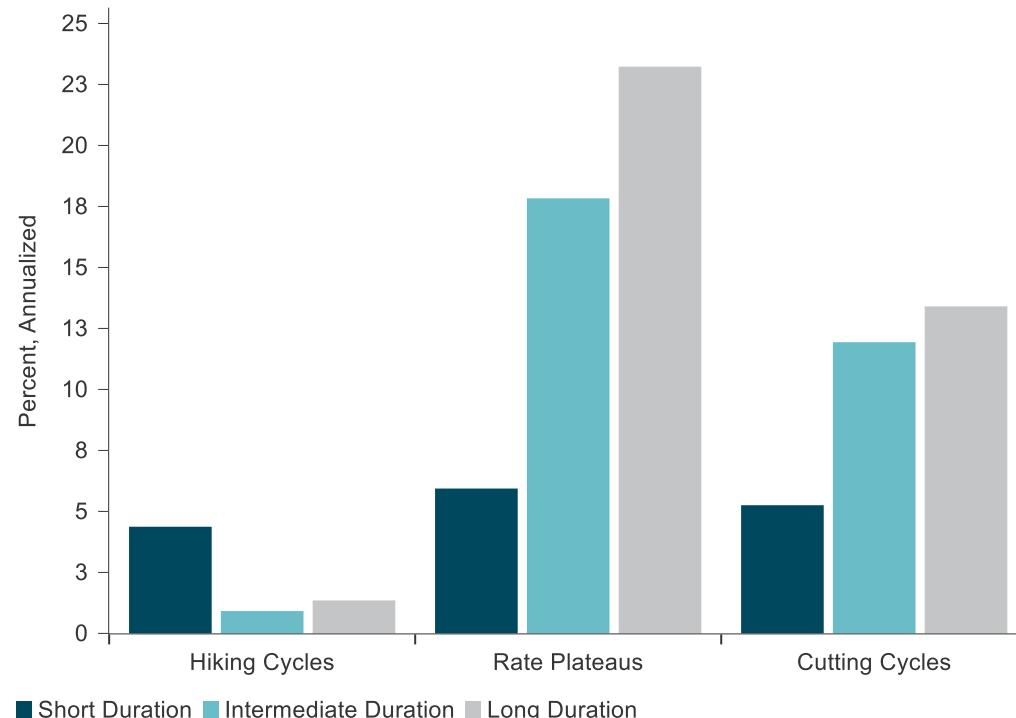
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# Bonds & Monetary Policy Cycles

## US Federal Reserve

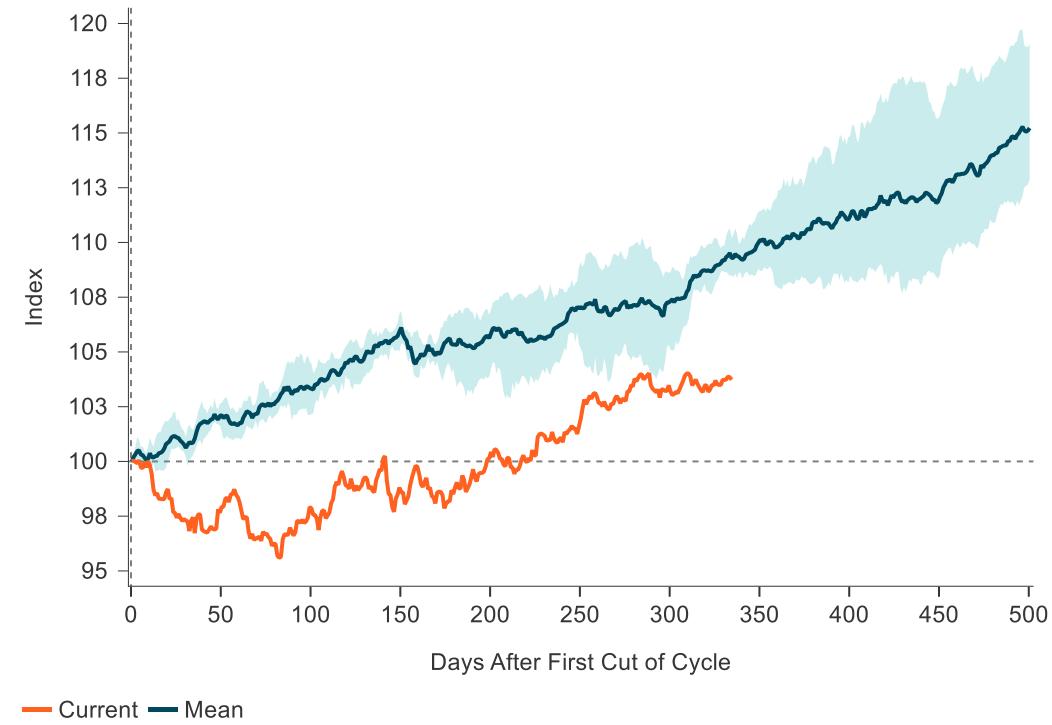
Previous 5 monetary policy cycle; excluding cycle that began in year 2022



Data as of December 31, 2025

## Bloomberg US Aggregate Bond Index

After first rate cut (previous 5 monetary policy cycles)



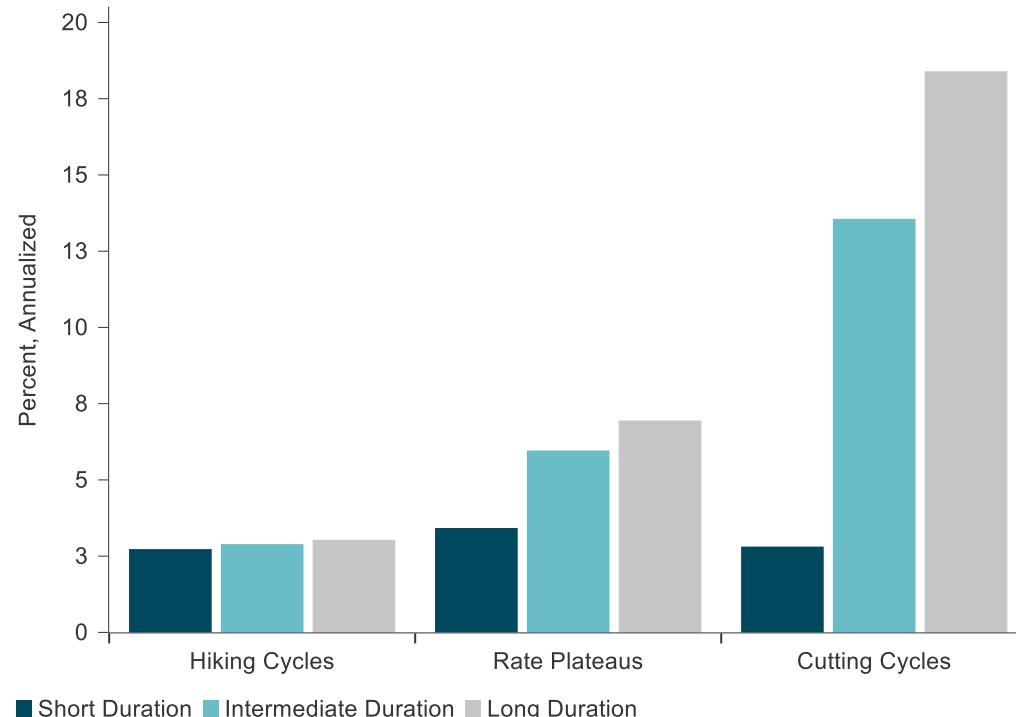
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Monetary policy cycle defined as cycle that commences with two consecutive rate hikes. The 1998 rate cut excluded as a cycle in this slide as it did not precede two consecutive rate hikes. Rate cuts measure 6-month performance after initial rate cut, annualized.

# Bonds & Monetary Policy Cycles

## European Central Bank

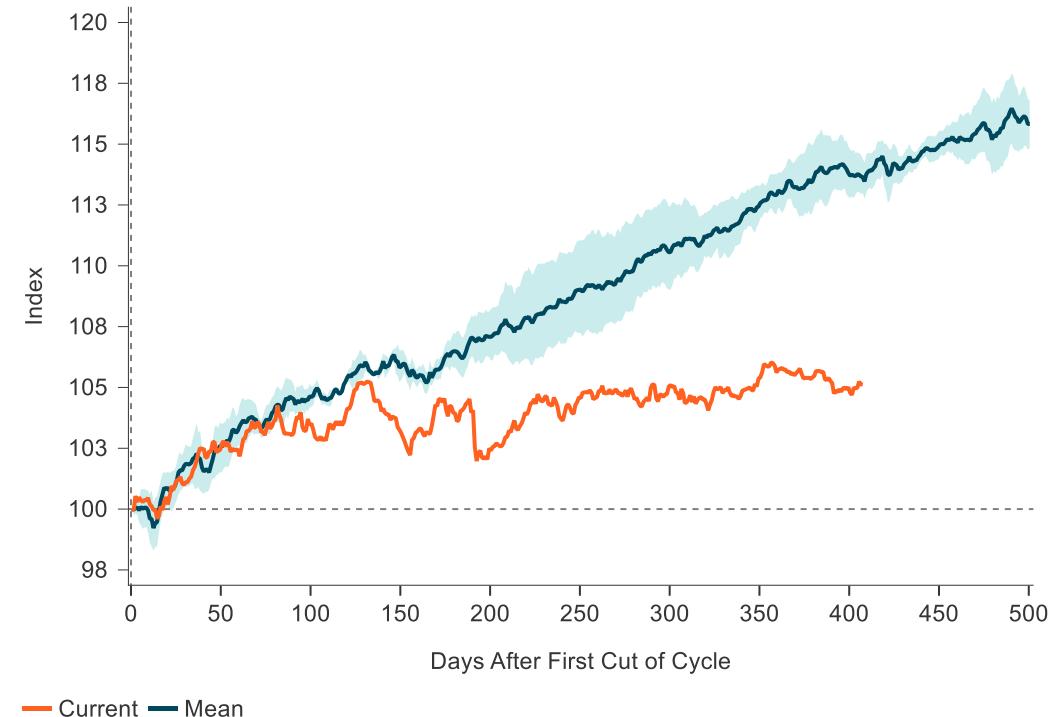
Previous 3 monetary policy cycle, excluding cycle that began in year 2022



Data as of December 31, 2025

## ICE BofA Euro Broad Market Index

After first rate cut (previous 3 monetary policy cycles)



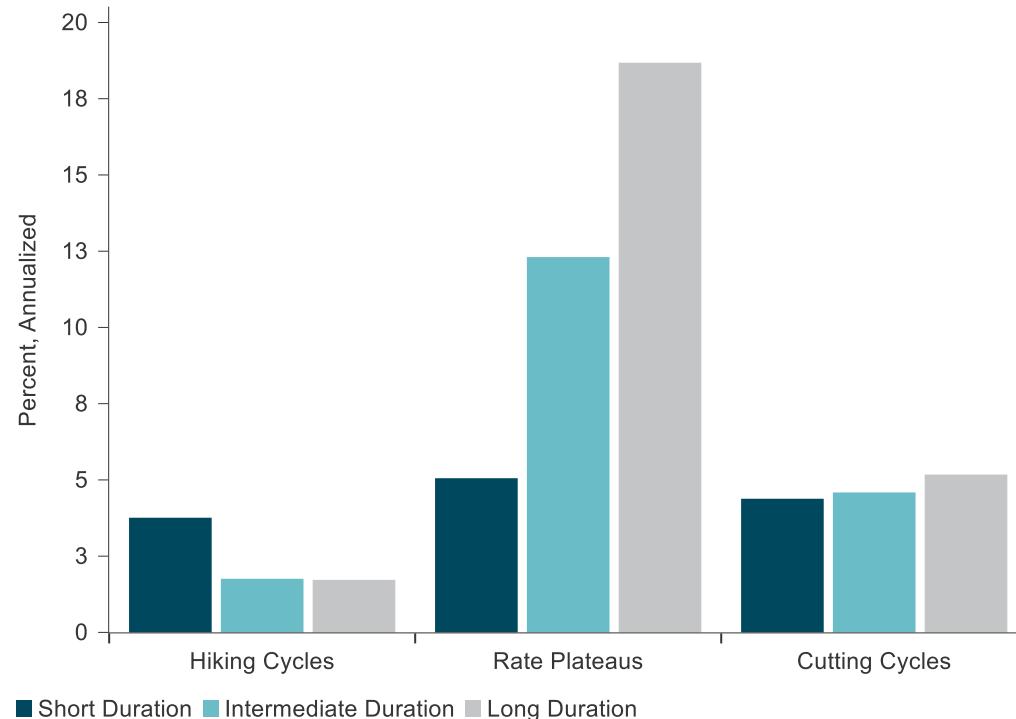
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Monetary policy cycle defined as cycle that commences with two consecutive rate hikes. Rate cuts measure 6-month performance after initial rate cut, annualized.

# Bonds & Monetary Policy Cycles

## Bank of England

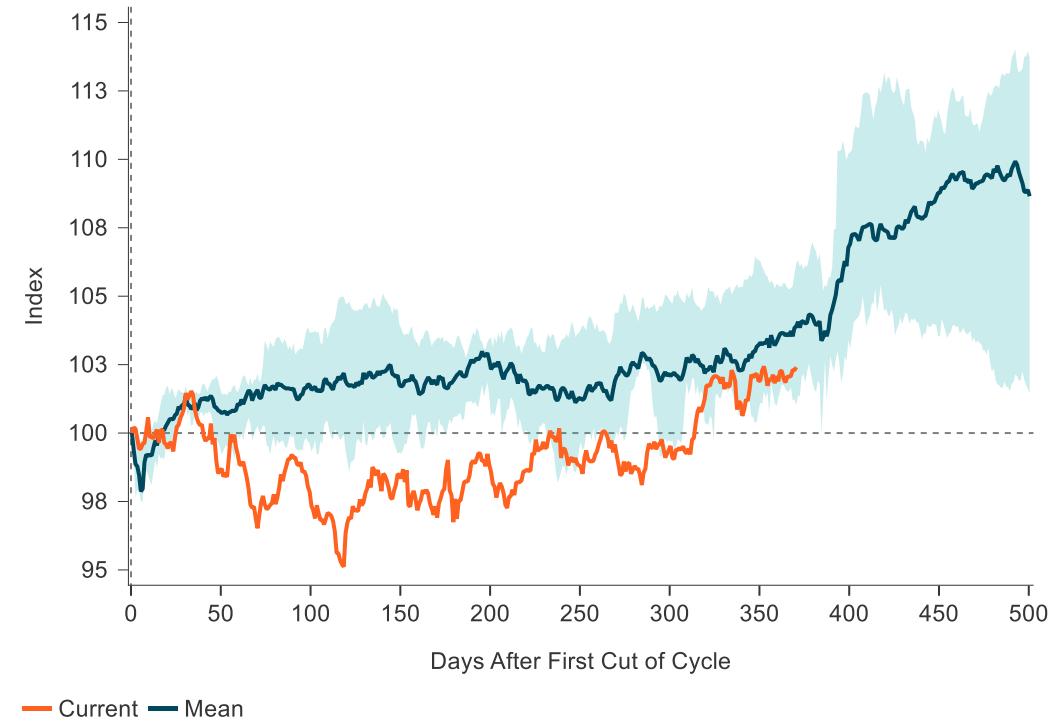
Previous 6 monetary policy cycle, excluding cycle that began in year 2022



Data as of December 31, 2025

## ICE BofA Sterling Broad Market Index

After first rate cut (previous 6 monetary policy cycles)



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Monetary policy cycle defined as cycle that commences with two consecutive rate hikes. Rate cuts measure 6-month performance after initial rate cut, annualized.

# Fixed Income Performance Quilt

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

Rank	2018	2019	2020	2021	2022	2023	2024	YTD
1	US Trsy Bills 1.9%	US Long Trsy 14.8%	US Long Trsy 17.7%	US TIPS 6.0%	US Trsy Bills 1.3%	US HY 13.4%	US Leveraged Loan 9.0%	EMLC 16.6%
2	Global Agg (hdg.) 1.8%	US HY 14.3%	US TIPS 11.5%	US HY 5.3%	US Leveraged Loan -0.8%	US Leveraged Loan 13.3%	US HY 8.2%	US HY 8.6%
3	US Int. Trsy 1.4%	US IG 13.8%	US IG 9.4%	US Leveraged Loan 5.2%	US Int. Trsy -7.8%	EMLC 11.4%	US Trsy Bills 5.3%	US MBS 8.6%
4	US Muni 1.3%	EMLC 12.2%	Global Agg 9.2%	US Muni 1.5%	US Agencies -7.9%	US IG 8.2%	US IG CMBS 5.0%	Global Agg 8.2%
5	US IG CMBS 1.0%	US TIPS 8.8%	US Trsy 8.0%	US Trsy Bills 0.1%	US Muni -8.5%	Global Agg (hdg.) 7.1%	Global Agg (hdg.) 3.4%	US IG 7.8%
6	US MBS 1.0%	US Agg 8.7%	US IG CMBS 7.6%	US IG CMBS -0.9%	EMLC -10.3%	US Muni 6.4%	US Agencies 3.1%	US IG CMBS 7.8%
7	US Trsy 0.9%	US Leveraged Loan 8.6%	US Agg 7.5%	US MBS -1.0%	US IG CMBS -10.9%	Global Agg 5.7%	US Int. Trsy 2.4%	US Agg 7.3%
8	US Agencies 0.5%	US IG CMBS 8.3%	US HY 7.1%	US IG -1.1%	US HY -11.2%	US Agg 5.5%	US IG 2.0%	US TIPS 6.9%
9	US Leveraged Loan 0.4%	Global Agg (hdg.) 8.2%	US Int. Trsy 5.8%	US Agencies -1.3%	Global Agg (hdg.) -11.2%	US IG CMBS 5.3%	US TIPS 1.8%	US Int. Trsy 6.5%
10	US Agg 0.0%	US Agencies 7.6%	Global Agg (hdg.) 5.6%	Global Agg (hdg.) -1.4%	US MBS -11.8%	US Agencies 5.2%	US Agg 1.3%	US Agencies 6.4%
11	Global Agg -1.2%	US Muni 7.5%	US Muni 5.2%	US Agg -1.5%	US Trsy -12.5%	US Trsy Bills 5.2%	US MBS 1.2%	US Trsy 6.3%
12	US TIPS -1.5%	US Trsy 6.9%	EMLC 4.8%	US Int. Trsy -1.7%	US TIPS -12.6%	US MBS 5.0%	US Muni 1.1%	US Leveraged Loan 5.9%
13	US Long Trsy -1.8%	Global Agg 6.8%	US MBS 3.9%	US Trsy -2.3%	US Agg -13.0%	US Int. Trsy 4.3%	US Trsy 0.6%	US Long Trsy 5.6%
14	US HY -2.1%	US MBS 6.4%	US Leveraged Loan 3.1%	US Long Trsy -4.6%	US IG -15.3%	US Trsy 4.1%	Global Agg -1.7%	Global Agg (hdg.) 4.9%
15	US IG -2.1%	US Int. Trsy 5.2%	US Agencies 2.7%	Global Agg -4.7%	Global Agg -16.2%	US TIPS 3.8%	EMLC -2.2%	US Trsy Bills 4.3%
16	EMLC -4.8%	US Trsy Bills 2.4%	US Trsy Bills 0.9%	EMLC -7.8%	US Long Trsy -29.3%	US Long Trsy 3.1%	US Long Trsy -6.4%	US Muni 4.2%

Data as of December 31, 2025

# PORTFOLIO CONSTRUCTION



# Time in the Market

Hypothetical \$100,000 investment in 1989 (common inception)

## S&P 500 Index

Fully Invested  \$4,140,155

Missed Top 5 Days  \$2,557,142

Missed Top 10 Days  \$1,841,845

Missed Top 20 Days  \$1,067,543

Missed Top 30 Days  \$670,530

Missed Top 40 Days  \$442,122

## US Agg Bond Index

Fully Invested US Agg  \$542,723

Missed Top 5 Days  \$504,525

Missed Top 10 Days  \$476,914

Missed Top 20 Days  \$431,540

Missed Top 30 Days  \$397,365

Missed Top 40 Days  \$364,951

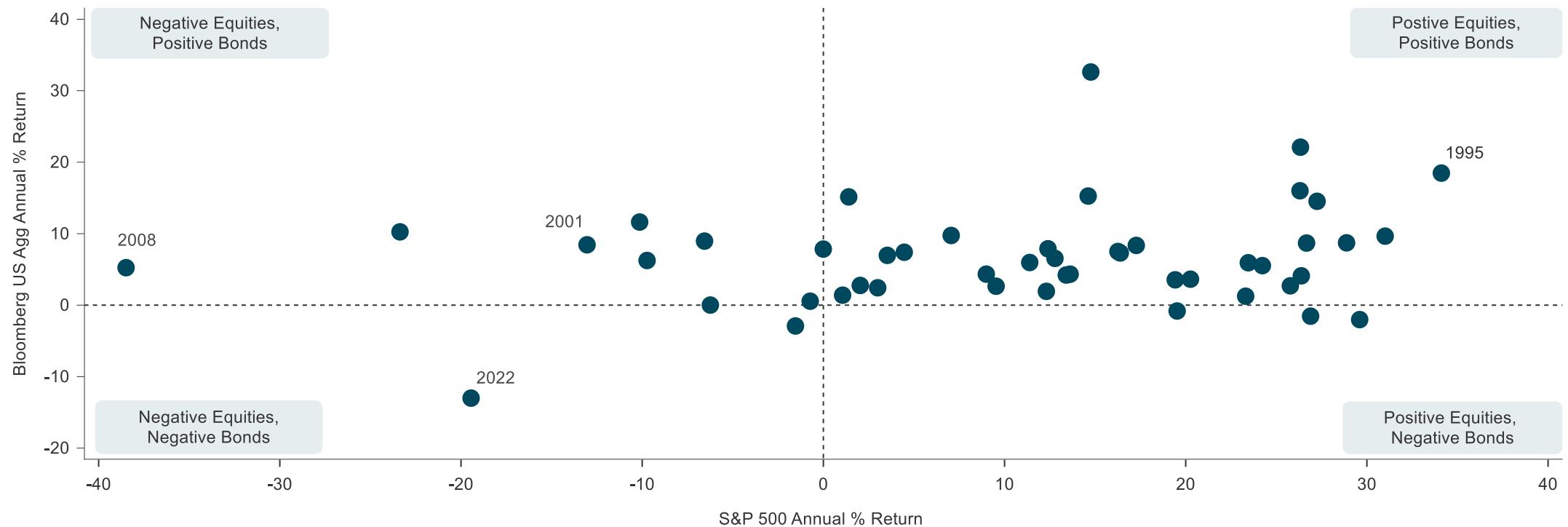
Data as of December 31, 2025  
Based on data since 1989

Data as of December 31, 2025  
Based on data since 1989

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. For illustrative purposes only.

# Equity & Bonds

## US Equity & Bond Returns since 1978



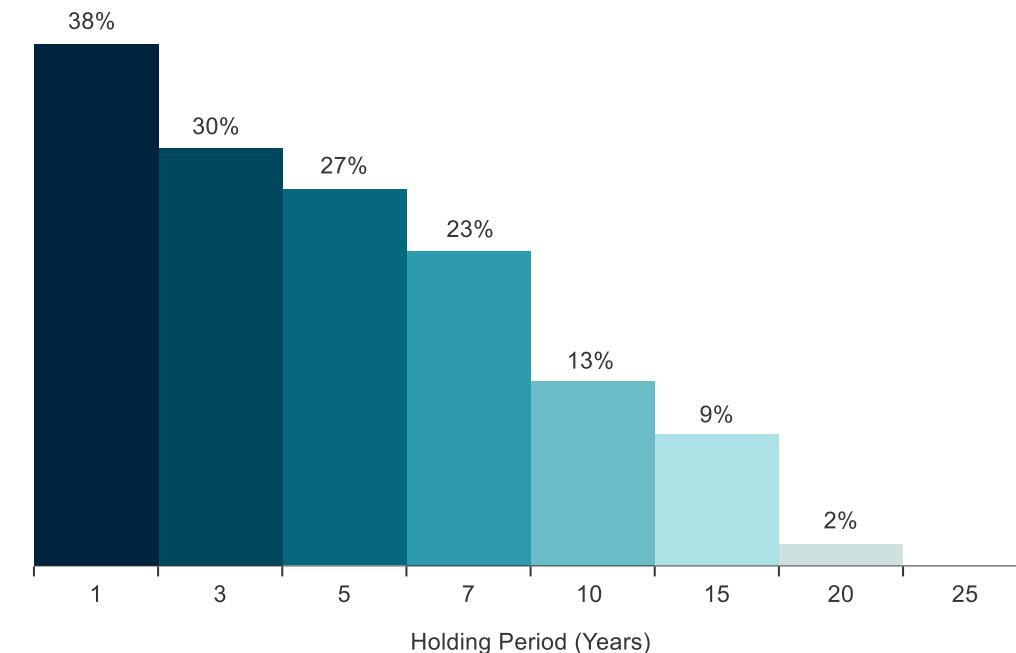
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Equity defined as S&P 500 index and bonds defined as Bloomberg US Aggregate Bond index.

# Equity & Bonds

## Odds of Bonds Beating Equities based on Holding Period

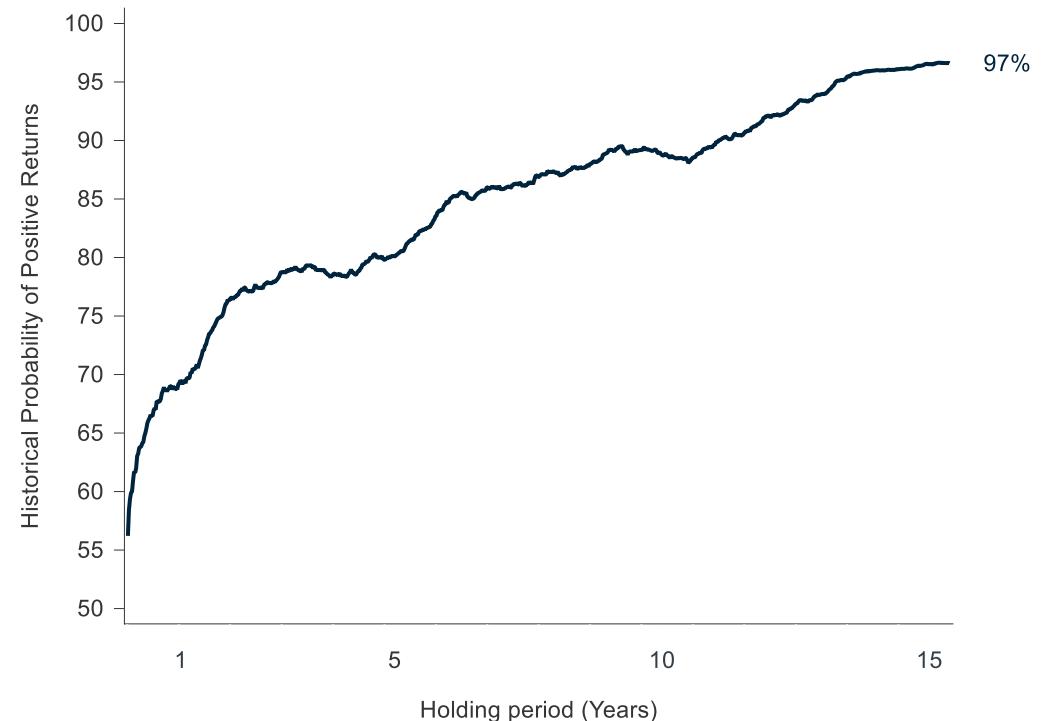
Total returns of 10-year US Government Bond & S&P 500



Data as of December 31, 2025

## Probability of Positive Returns from S&P 500

Probability of positive returns based on holding period



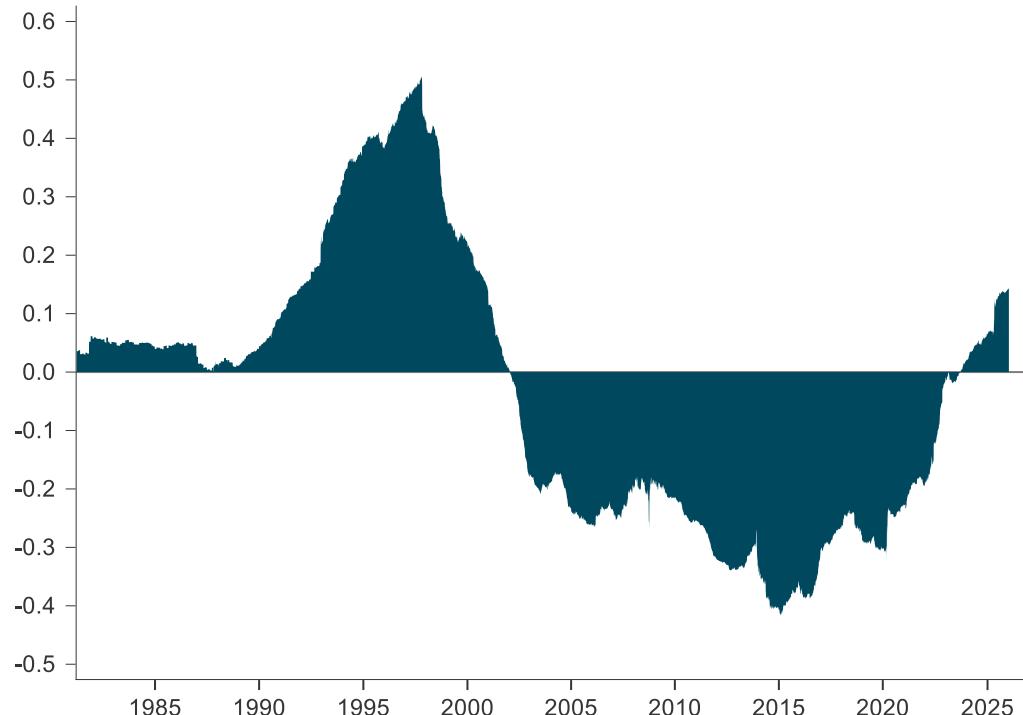
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. For illustrative purposes only.

# Stock-Bond Correlation

## Stock-Bond Rolling 5-year Correlation

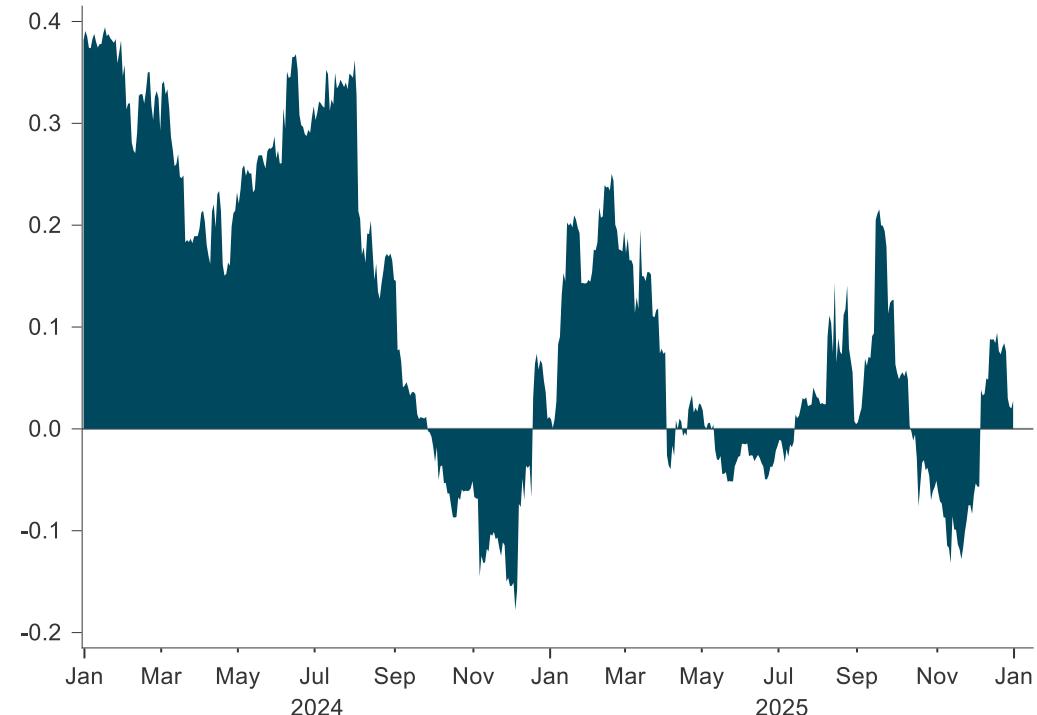
Stocks: S&P 500; Bonds: US Agg



Data as of December 31, 2025

## Stock-Bond Rolling 90-day Correlation

Stocks: S&P 500; Bonds: US Agg



Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Any projections or forecasts contained herein are based upon certain assumptions considered reasonable. Projections are speculative in nature and some or all of the assumptions underlying the projections may not materialize or vary significantly from the actual results. For illustrative purposes only.

# Asset Class Performance Quilt

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

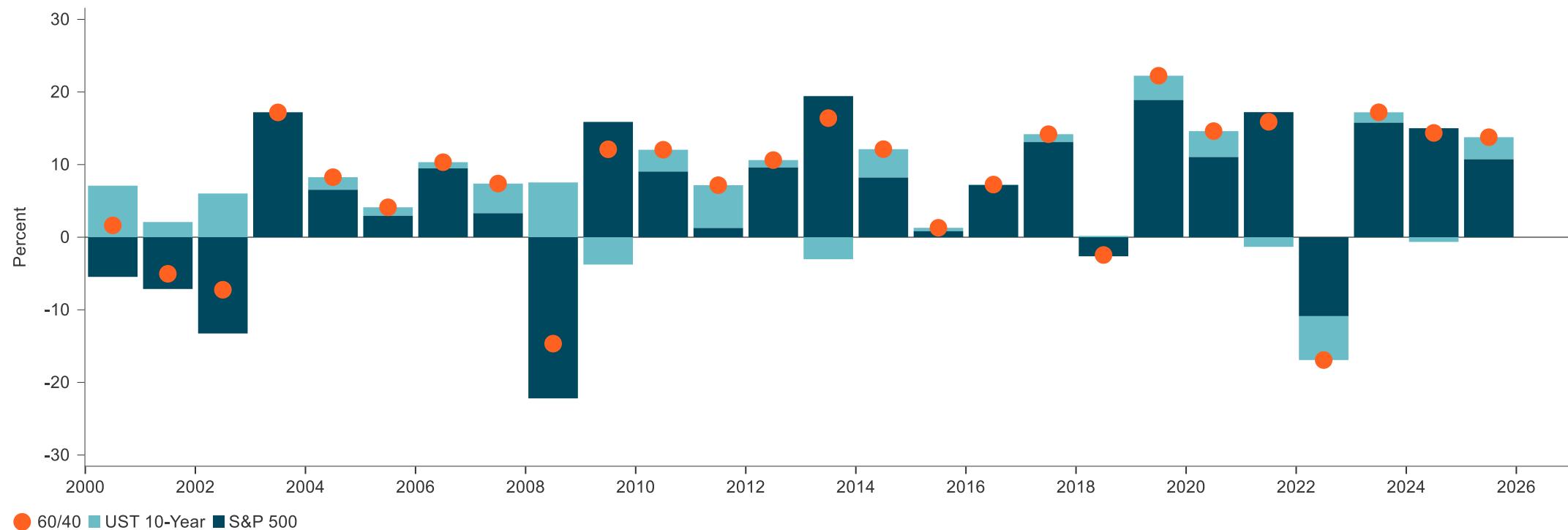
Rank	2018	2019	2020	2021	2022	2023	2024	YTD
1	USD 4.4%	US Crude WTI 34.5%	Gold 24.2%	US Crude WTI 58.7%	Commodity 16.1%	S&P 500 26.3%	Gold 26.6%	Gold 65.0%
2	Global Treasury ex US 3.6%	S&P 500 31.5%	MSCI EM 18.7%	S&P 500 28.7%	USD 8.2%	MSCI ACWI 22.8%	S&P 500 25.0%	MSCI EM 34.4%
3	Municipal Bond IG 1.4%	MSCI ACWI 27.3%	S&P 500 18.4%	Commodity 27.1%	US Crude WTI 4.2%	MSCI EAFE 18.9%	MSCI ACWI 18.0%	MSCI EAFE 31.9%
4	US Treasury 0.9%	MSCI EAFE 22.7%	MSCI ACWI 16.8%	MSCI ACWI 19.0%	Gold -0.4%	Gold 13.8%	Global High Yield 10.7%	MSCI ACWI 22.9%
5	US Leveraged Loan 0.4%	MSCI EM 18.9%	MSCI EAFE 8.3%	MSCI EAFE 11.8%	US Leveraged Loan -0.8%	Global High Yield 13.7%	US Leveraged Loan 9.0%	S&P 500 17.9%
6	Global Agg Corp IG -1.0%	Gold 18.8%	Global Agg Corp IG 8.3%	USD 6.4%	Hedge Funds -4.4%	US Leveraged Loan 13.3%	MSCI EM 8.1%	Commodity 15.8%
7	Gold -1.1%	Global High Yield 13.3%	US Treasury 8.0%	US Leveraged Loan 5.2%	Municipal Bond IG -6.4%	MSCI EM 10.3%	USD 7.1%	EM USD Debt 11.1%
8	EM USD Debt -2.5%	EM USD Debt 13.1%	Hedge Funds 6.8%	Hedge Funds 3.7%	Global Treasury ex US -10.1%	Global Agg Corp IG 9.1%	EM USD Debt 6.6%	Global High Yield 10.0%
9	Global High Yield -2.7%	Global Agg Corp IG 12.5%	EM USD Debt 6.5%	Global High Yield 2.5%	Global High Yield -11.0%	EM USD Debt 9.1%	Commodity 5.4%	Hedge Funds 7.2%
10	S&P 500 -4.4%	US Leveraged Loan 8.6%	Global High Yield 5.7%	Municipal Bond IG 0.9%	US Treasury -12.5%	Global Treasury ex US 8.0%	Hedge Funds 5.3%	Global Agg Corp IG 7.1%
11	Hedge Funds -6.7%	Hedge Funds 8.6%	Municipal Bond IG 5.1%	Global Agg Corp IG -0.8%	MSCI EAFE -14.0%	Municipal Bond IG 5.2%	MSCI EAFE 4.3%	US Treasury 6.3%
12	MSCI ACWI -8.9%	Commodity 7.7%	Global Treasury ex US 3.7%	EM USD Debt -1.7%	Global Agg Corp IG -14.1%	US Treasury 4.1%	Global Treasury ex US 4.2%	US Leveraged Loan 5.9%
13	Commodity -11.2%	Global Treasury ex US 7.4%	US Leveraged Loan 3.1%	Global Treasury ex US -1.7%	EM USD Debt -15.3%	Hedge Funds 3.1%	Global Agg Corp IG 3.7%	Municipal Bond IG 5.6%
14	MSCI EAFE -13.4%	Municipal Bond IG 6.9%	Commodity -3.1%	MSCI EM -2.2%	MSCI ACWI -18.0%	USD -2.1%	Municipal Bond IG 0.9%	Global Treasury ex US 2.0%
15	MSCI EM -14.2%	US Treasury 6.9%	USD -6.7%	US Treasury -2.3%	S&P 500 -18.1%	Commodity -7.9%	US Treasury 0.6%	USD -9.4%
16	US Crude WTI -24.8%	USD 0.2%	US Crude WTI -20.5%	Gold -3.8%	MSCI EM -19.7%	US Crude WTI -10.7%	US Crude WTI 0.1%	US Crude WTI -19.9%

Data as of December 31, 2025

# 60/40 Portfolio

## 60/40 Portfolio Annual Returns - Decomposition

60% S&P 500 and 40% UST 10-year



● 60/40 ■ UST 10-Year ■ S&P 500

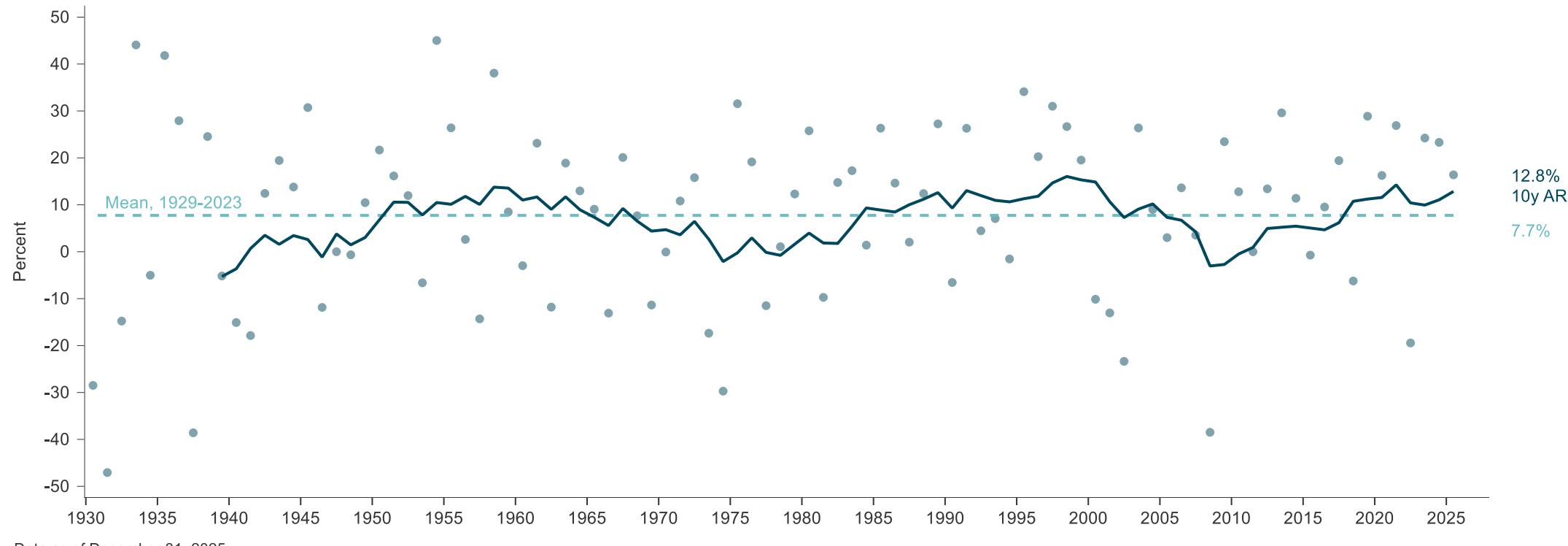
Data as of December 31, 2025

Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix. Lighter shades incorporated to differentiate from full calendar-year data to intra calendar-year data (year-to-date).

# Annual Equity Returns

## S&P 500 Equity Returns

Calendar year return (dots) and rolling 10-year returns, annualized rate (line)



Source: BNY Investment Institute, Macrobond. **The performance quoted represents past performance which is no guarantee of future results.** Current performance may differ from figures shown. Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product. An investor cannot invest directly in the index. See full definition of indices in back labeled Appendix.

# APPENDIX

## REPRESENTATIVE INDICES

**10Y German Bund:** Average yield of a range of German government bonds all adjusted to the equivalent of a ten-year maturity

**10Y Japanese Bond:** Average yield of a range of Japanese government bonds all adjusted to the equivalent of a ten-year maturity

**10Y UK Gilt:** Average yield of a range of UK government bonds all adjusted to the equivalent of a ten-year maturity

**10Y US Treasuries:** Average yield of a range of Treasury securities all adjusted to the equivalent of a ten-year maturity

**2Y US Treasuries:** Average yield of a range of Treasury securities all adjusted to the equivalent of a two-year maturity

**A:** Bloomberg US Agg A Total Return Value Unhedged USD

**AA:** Bloomberg US Agg Aa Total Return Value Unhedged USD

**AAA:** Bloomberg US Agg Aaa Total Return Value Unhedged USD

**ABS:** The index measures the performance of ABS component of the U.S. Aggregate index which measures the investment grade, US dollar-denominated, fixed-rate taxable bond market.

**Alerian MLP:** The Alerian MLP Index is the leading gauge of energy infrastructure Master Limited Partnerships (MLPs).

**BB:** Bloomberg Ba US High Yield TR Index Value Unhedged USD,

**BBB:** Bloomberg US Agg Baa Total Return Value Unhedged USD

**B-CCC:** Bloomberg US Corporate B - Ca Capped Index TR Index Unhedged USD

**Bloomberg Commodity Index:** The Dow Jones UBS Commodity index is designed to provide diversified commodity exposure with weightings based on the commodity's liquidity and economic significance

**CMBS:** The Bloomberg US CMBS Investment Grade Index measures the market of US Agency and US Non-Agency conduit and fusion CMBS deals with a minimum current deal size of \$300mn.

**EM Aggregate:** The Bloomberg EM USD Aggregate Index includes USD denominated debt from sovereign, quasi-sovereign, and corporate EM issuers.

**EM Local Currency Government 10% Country Capped:** The Bloomberg EM Local Currency Government 10% Country Capped Index is a country-constrained version of the flagship Emerging Markets Local Currency Government Index, which is designed to provide a broad measure of the performance of local currency Emerging Markets (EM) debt.

**EM Sovereigns Local:** The Bloomberg EM Local Currency Government Total Return Index measures the general performance of locally issued FIXED INCOME securities by Emerging Market governments.

**EM Sovereigns USD:** The Bloomberg EM USD Aggregate: Sovereign Index is a subset of the Emerging Markets USD Aggregate Bond Index, only including securities classified as treasuries or sovereigns.

**Emerging Markets Dividends:** The Dow Jones Emerging Markets Select Dividend Index aims to measure the stock performance of 100 leading dividend-paying emerging-market companies, selected by dividend yield subject to screening and buffering criteria.

**Euro Agg:** The Bloomberg EuroAgg Index is a benchmark that measures the investment grade, euro-denominated, fixed-rate bond market, including treasuries, government-related, corporate and securitized issues. Inclusion is based on currency denomination of a bond and not country of risk of the issuer.

**Euro High Yield:** The Bloomberg Pan-European High Yield Index measures the market of non-investment grade, fixed-rate

corporate bonds denominated in the following currencies: euro, pounds sterling, Danish krone, Norwegian krone, Swedish krona, and Swiss franc.

**FTSE 100:** The FTSE 100 Index is a capitalization-weighted index of the 100 most highly capitalized companies traded on the London Stock Exchange.

**FTSE NAREIT All Equity REITs:** FTSE NAREIT All Equity REITS Total Return Index is a free float adjusted market capitalization weighted index that includes all tax qualified REITs listed in the NYSE, AMEX, and NASDAQ National Market.

**Global Aggregate:** The Bloomberg Global Aggregate Total Return (USD hedged) Index is a broad-based measure of the global investment-grade fixed income market.

**Global High Yield:** The Bloomberg Global High Yield Index is a broad-based measure of the global high yield market.

**Global Infrastructure:** The S&P Global Infrastructure Index is designed to track 75 companies from around the world chosen to represent the listed infrastructure industry while maintaining liquidity and tradability.

**Global Investment Grade - Corporates:** This Index reflects the corporate component of the Bloomberg Global Aggregate Index which is designed to provide a broad-based measure of the global investment-grade FIXED INCOME markets.

**Global REITs:** The FTSE EPRA Nareit Global REITs index is a subset of the FTSE EPRA Nareit Global Index, comprising of only the REITs constituents.

**Global Treasury ex US:** The Bloomberg Global Treasury ex US index tracks fixed-rate local currency government debt of investment grade countries excluding the US and represents the Treasury sector of the Global Aggregate Index.

**Gold (USD / Troy Ounce):** Gold London Bullion Market spot price, quoted in USD per Troy Ounce

**Hedge Funds:** The HFRX Global Hedge Fund Index is designed to be representative of the overall composition of the hedge fund universe.

**International Select Dividends:** The Dow Jones EPAC Select Dividend Index aims to represent the performance of high dividend-paying companies in the EPAC (Europe, Pacific, Asia and Canada) region, which covers developed markets excluding the U.S.

**JPM EMBI Global Diversified:** The J.P. Morgan EMBI Global Diversified Index tracks liquid, US Dollar emerging market fixed and floating-rate debt instruments issued by sovereign and quasi-sovereign entities

**MSCI AC Asia ex Japan:** The MSCI AC Asia ex Japan Index captures large and mid cap representation across 2 of 3 Developed Markets (DM) countries (excluding Japan) and 8 Emerging Markets (EM) countries in Asia.

**MSCI All-Country World:** The MSCI All-Country World is an index that tracks the performance of both Developed and Emerging Market equities.

**MSCI Australia:** The MSCI Australia Index is designed to measure the performance of the large and mid cap segments of the Australia market.

**MSCI Brazil:** The MSCI Brazil Index is designed to measure the performance of the large and mid cap segments of the Brazilian market.

**MSCI Canada:** The MSCI Canada Index is designed to measure the performance of the large and mid cap segments of the Canada market.

**MSCI China:** The MSCI China Index captures large and mid cap representation across China A shares, H shares, B shares, Red chips, P chips and foreign listings (e.g. ADRs).

## REPRESENTATIVE INDICES

**MSCI EAFE:** The MSCI EAFE Index is an index that tracks the performance of Developed Market equities across Europe, Australasia and the Far East excluding the US and Canada.

**MSCI EM:** The MSCI EM index tracks the performance of Emerging Market Equities.

**MSCI EMU (Euro Area):** The MSCI EMU Index (European Economic and Monetary Union) captures large and mid cap representation across the 10 Developed Markets countries in the EMU.

**MSCI Europe:** The MSCI Europe Index captures large and mid cap representation across 15 Developed Markets (DM) countries in Europe. With 414 constituents, the index covers approximately 85% of the free float-adjusted market capitalization across the European Developed Markets equity universe.

**MSCI France:** The MSCI France Index is designed to measure the performance of the large and mid cap segments of the French market.

**MSCI Germany:** The MSCI Germany Index is designed to measure the performance of the large and mid cap segments of the German market.

**MSCI Greece:** The MSCI Greece Index is designed to measure the performance of the large and mid cap segments of the Greek market.

**MSCI Growth:** Index is designed to reflect the performance of securities exhibiting overall growth characteristics.

**MSCI High Dividend Yield:** Index is designed to reflect the performance of equities in the parent index (excluding REITs) with higher dividend income and quality characteristics than average dividend yields that are both sustainable and persistent.

**MSCI India:** The MSCI India Index is designed to measure the performance of the large and mid cap segments of the Indian market.

**MSCI Indonesia:** The MSCI Indonesia Index is designed to measure the performance of the large and mid cap segments of the Indonesian market.

**MSCI Japan:** The MSCI Japan Index is designed to measure the performance of the large and mid cap segments of the Japanese market.

**MSCI Large Cap:** Index is designed to reflect the performance of the large cap segment of the respective market.

**MSCI Mexico:** The MSCI Mexico Index is designed to measure the performance of the large and mid cap segments of the Mexican market.

**MSCI Min. Volatility:** Index is designed to reflect the performance of a minimum variance strategy.

**MSCI Momentum:** Index is designed to reflect the performance of an equity momentum strategy by emphasizing stocks with high price momentum.

**MSCI Poland:** The MSCI Poland Index is designed to measure the performance of the large and mid cap segments of the Polish market.

**MSCI Quality:** Index is designed to reflect the performance of quality growth stocks by identifying stocks with high quality scores based on three fundamental variables: high return on equity, stable y/y earnings growth, and low financial leverage.

**MSCI Small Cap:** Index is designed to reflect the performance of the small cap segment of the respective market.

**MSCI South Africa:** The MSCI South Africa Index is designed to measure the performance of the large and mid cap segments of

the South African market.

**MSCI South Korea:** The MSCI Korea Index is designed to measure the performance of the large and mid cap segments of the South Korean market.

**MSCI Spain:** The MSCI Spain Index is designed to measure the performance of the large and mid cap segments of the Spanish market.

**MSCI Switzerland:** The MSCI Switzerland Index is designed to measure the performance of the large and mid cap segments of the Swiss market.

**MSCI Taiwan:** The MSCI Taiwan Index is designed to measure the performance of the large and mid cap segments of the Taiwan market.

**MSCI Turkey:** The MSCI Turkey Index is designed to measure the performance of the large and mid cap segments of the Turkish market.

**MSCI UK:** The MSCI United Kingdom Index is designed to measure the performance of the large and mid cap segments of the UK market.

**MSCI US:** Index is designed to measure the performance of the large and mid- cap segments of the US market.

**MSCI Value:** Index is designed to reflect the performance of securities exhibiting overall value style characteristics.

**MSCI World - DM:** The MSCI World Index captures large and mid-cap representation across 23 Developed Markets (DM) countries. With 1,395 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

**MSCI World Growth:** The MSCI World Growth Index captures large and mid cap securities exhibiting overall growth style characteristics across 23 Developed Markets (DM) countries. The growth investment style characteristics for index construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current internal growth rate and long-term historical EPS growth trend and long-term historical sales per share growth trend.

**MSCI World Value:** The MSCI World Value Index captures large and mid cap securities exhibiting overall value style characteristics across 23 Developed Markets (DM) countries. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield.

**Nasdaq:** The Nasdaq Composite Index is the market capitalization weighted index of approximately 3,000 common equities listed on the Nasdaq stock exchange.

**Oil (WTI, USD / Barrel):** Generic West Texas Intermediate crude oil spot price

**Preferred Stock:** The iShares Preferred and Income Securities ETF seeks to track the investment results of ICE Exchange-Listed Preferred & Hybrid Securities Index

**Russell 1000:** The Russell 1000® Index measures the performance of the large-cap segment of the US equity universe.

**Russell 2000:** The Russell 2000 Index is a small-cap stock market index of the bottom 2,000 stocks in the Russell 3000 Index.

**Russell 3000:** The Russell 3000® Index measures the performance of the largest 3,000 US companies designed to represent approximately 98% of the investable US equity market.

**Sterling Agg:** The Bloomberg Sterling Aggregate Bond Index measures the investment grade, sterling-denominated, fixed-rate bond market, including treasuries, government-related, corporate and securitized issues. Inclusion is based on the currency denomination of a bond, not country of risk of the issuer.

## REPRESENTATIVE INDICES

**S&P 500:** The S&P 500 is an index designed to track the performance of the largest 500 US companies.

**S&P 500 Communication Services:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a telecom services(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes telecommunication services and media and entertainment.

**S&P 500 Consumer Discretionary:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a consumer discretionary(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes automobiles and components; consumer durables and apparel; consumer services; and consumer discretionary distribution and retail.

**S&P 500 Consumer Staples:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a consumer staples(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes consumers staples distribution and retail; food, beverage and tobacco; and household and personal products.

**S&P 500 Energy:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a energy(sector) company using the Global Industry Classification Standard(GICS) system.

**S&P 500 Financials:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a financials(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes banks; financial services; and insurance.

**S&P 500 Healthcare:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a health care(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes healthcare equipment and services; pharmaceuticals, biotechnology and life sciences.

**S&P 500 Industrials:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a industrials(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes capital goods; commercial and professional services; and transportation.

**S&P 500 Materials:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a materials(sector) company using the Global Industry Classification Standard(GICS) system.

**S&P 500 Real Estate:** The S&P 500® Real Estate comprises those companies included in the S&P 500 that are classified as members of the GICS® Real Estate sector. Industry group includes equity real estate investment trusts and real estate management and development.

**S&P 500 Technology:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a information technology(sector) company using the Global Industry Classification Standard(GICS) system. Industry group includes software and services; technology hardware and equipment; and semiconductors and semiconductor equipment.

**S&P 500 Utilities:** The index measures the performance of all those companies held in the S&P 500 index that are classified as a utilities(sector) company using the Global Industry Classification Standard(GICS) system.

**S&P 400 Midcap:** Standard and Poor's Midcap 400 Index is a capitalization-weighted index which measures the performance of the mid-range sector of the U.S. stock market.

**S&P 500 VIX:** The VIX Index is a financial benchmark designed to be an up-to-the-minute market estimate of the expected volatility of the S&P 500® Index, and is calculated by using the midpoint of real-time S&P 500 Index (SPX) option bid/ask quotes.

**US 30Y Fixed-Rate Mortgage:** Bankrate.com 30-year US home mortgage fixed rate national average

**US Agencies:** Bloomberg US Agencies Total Return Unhedged USD measures US dollar-denominated, agency debt.

**US Aggregate:** Bloomberg US Agg Total Return Value Unhedged USD Index is a widely accepted, unmanaged total return index of corporate, government and government-agency debt instruments, mortgage-backed securities and asset-backed securities with an average maturity of 1-10 years.

**US Corporates:** Bloomberg US Corporate Total Return Value Unhedged USD Index tracks the investment grade, fixed-rate, taxable corporate bond market

**US CMBS:** The Bloomberg US CMBS Investment Grade Index measures the investment-grade market of US Agency and US Non-Agency conduit and fusion CMBS deals with a minimum current deal size of \$300mn. The index includes both US Aggregate eligible (ERISA eligible) and non-US Aggregate eligible (non-ERISA eligible) securities.

**US Credit:** The Bloomberg US Credit Index measures the investment grade, US dollar-denominated, fixed-rate, taxable corporate and government related bond markets. It is composed of the US Corporate Index and a non-corporate component that includes foreign agencies, sovereigns, supranationals and local authorities.

**US High Yield:** Bloomberg US Corporate High Yield Total Return Index Value Unhedged USD Index tracks the performance of US dollar denominated below investment grade rated corporate debt publicly issued in the US domestic market.

**US Leveraged Loans:** The Morningstar LSTA US Leveraged Loan Index is a market-value weighted index designed to measure the performance of the US leveraged loan market.

**US Long Credit:** The Bloomberg US Long Credit Index measures the performance of investment grade, US dollar-denominated, fixed-rate, taxable corporate and government-related debt with at least ten years to maturity. It is composed of a corporate and a non-corporate component that includes non-US agencies, sovereigns, supranationals and local authorities.

**US MBS:** The Bloomberg US Mortgage Backed Securities (MBS) Index tracks fixed-rate agency mortgage backed pass-through securities guaranteed by Ginnie Mae (GNMA), Fannie Mae (FNMA), and Freddie Mac (FHLMC).

**US Munis:** Bloomberg Municipal Bond Index Total Return Index Value Unhedged USD Index tracks the municipal FIXED INCOME market in the United States.

**US Securitized:** Bloomberg U.S. Securitized: MBS/ABS/CMBS and Covered TR Index Value measures US securitized debt including MBS, ABS, and CMBS.

**US TIPS:** The Bloomberg US Treasury Inflation-Protected Securities Total Return Index tracks the performance of publicly issued, US Treasury inflation-protected securities that have at least one year remaining to maturity and have \$250 million or more of outstanding face value.

**US Treasury:** The Bloomberg US Treasury Index is the US Treasury component of the US Aggregate Index and uses public obligations of the US Treasury with a remaining maturity of one year or more.

**US Treasury Bills:** The Bloomberg US Treasury Bill 3-6 Months Index tracks the market for treasury bills with 3 to 5.9 months to maturity issued by the US government. US Treasury bills are issued in fixed maturity terms of 4-, 13-, 26- and 52-weeks.

**US Treasury Intermediate:** The Bloomberg US Treasury Intermediate Index measures US dollar-denominated, fixed-rate, nominal debt issued by the US Treasury with maturities of 1 to 9.9 years to maturity.

**US Treasury Long:** The Bloomberg US Treasury: Long Index measures US dollar-denominated, fixed-rate, nominal debt issued by the US Treasury with 10 years or more to maturity.

**USD:** The US Majors Dollar Index (also referred to as 'DXY') tracks the performance of the USD versus a basket of foreign currencies including the euro, Japanese yen, Pound sterling, Canadian dollar, Swedish krona, and Swiss franc.

# Abbreviations

**AE:** Advanced economies

**AR:** Annualized rate

**BOE:** Bank of England

**BOJ:** Bank of Japan

**bp:** Basis points

**CBOE:** Chicago Board Options Exchange

**CFA<sup>®</sup>:** Chartered Financial Analyst<sup>®</sup>

**COFER:** Composition of foreign exchange reserves

**CP:** Commercial paper

**CPI:** Consumer price index

**Div.:** Dividend

**DM:** Developed markets

**EAFFE:** Europe, Australasia and Far East

**ECB:** European Central Bank

**EM:** Emerging markets

**EPS:** Earnings per share

**Fed:** Federal Reserve

**FOMC:** Federal Open Market Committee

**FX:** Foreign exchange

**G3:** US, Japan, Euro area

**G4:** US, UK, Germany, Japan

**G7:** US, UK, Germany, Japan, Italy, Canada, France

**GDP:** Gross domestic product

**Global Equities:** MSCI All-Country World Index

**HICP:** Harmonized Index of Consumer Prices

**HY:** high-yield

**IG:** Investment grade

**IIF:** Institute of International Finance

**ISM:** Institute for Supply Management

**LTRO:** Long-term refinancing operation

**m/m (MoM):** Month-over-month

**Min.:** Minimum

**MSCI:** Morgan Stanley Capital Index

**MTD:** Month-to-date

**NFIB:** National Federation of Independent Business

**NFP:** Nonfarm Payrolls

**OAS:** Option adjusted spread

**OIS:** Overnight indexed swap rate

**PB:** Price-to-book ratio

**PBOC:** People's Bank of China

**PCE:** Personal consumption expenditures

**PE:** Price-to-earnings ratio

**PEPP:** Pandemic Emergency Purchase Program

**PMI:** Purchasing managers index

**q/q (QoQ):** Quarter-over-quarter

**QE:** Quantitative easing

**QT:** Quantitative tightening

**SA:** Seasonally adjusted

**SAAR:** Seasonally adjusted annualized rate

**SD:** Standard deviation

**SOFR:** Secured Overnight Financing Rate

**TR:** Total return

**USD:** US dollar

**WTI:** West Texas Intermediate

**y/y (YoY):** Year-over-year

**YTD:** Year-to-date

# DISCLOSURES & DISCLAIMERS

# Disclosures & Disclaimers

This presentation is for the exclusive use of the recipient and should not be further distributed without the permission of BNY.

This material should not be considered as investment advice or a recommendation of any investment manager or account arrangement and should not serve as a primary basis for investment decisions. Neither the information nor any opinions expressed herein should be construed as a solicitation or a recommendation by BNY and its affiliates to buy, hold or sell any securities or investments or hire any specific manager. Any statements and opinions expressed are those of the author as at the date of publication, are subject to change as economic and market conditions dictate, and do not necessarily represent the views of BNY Advisors.

The information has been provided as a general market commentary only and does not constitute legal, tax, accounting, other professional counsel or investment advice, is not predictive of future performance, and should not be construed as an offer to sell or a solicitation to buy any security or make an offer where otherwise unlawful.

The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. BNY is not responsible for any subsequent investment advice given based on the information supplied. This is not investment research or a research recommendation for regulatory purposes as it does not constitute substantive research or analysis.

This information may contain projections or other forward-looking statements regarding future events, targets or expectations, and is only current as of the date indicated. Accordingly, such statements are inherently speculative as they are based on assumptions that may involve known and unknown risks and uncertainties. There is no assurance that such events or expectations will be achieved, and actual results, performance, or events may be significantly different from that shown, expressed or implied here. The information is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons and BNY's view as of the time of the information and statements. References to specific securities, asset classes and financial markets are for illustrative purposes only and are not intended to be and should not be interpreted as recommendations.

Charts are provided for illustrative purposes and are not indicative of the past or future performance of any product.

**Past performance is no guarantee of future results. Diversification and strategic asset allocation do not guarantee a profit nor protect against a loss in declining markets. All investments and investment strategies are subject to risk, including the loss of principal.**

Certain investments have specific or unique risks that should be considered along with the objectives, fees, and expenses before investing.

No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment.

**Equities** are subject to market, market sector, market liquidity, issuer, and investment style risks to varying degrees. Small and midsized company stocks tend to be more volatile and less liquid than larger company stocks as these companies are less established and have more volatile earnings histories. **Investing in foreign denominated and/or domiciled securities involves special risks, including changes in currency exchange rates, political, economic, and social instability, limited company information, differing auditing and legal standards, and less market liquidity.** These risks are generally greater with emerging market countries. **Real Estate** security investments involve similar risks to those associated with direct investments in real estate, including falling property values due to increasing vacancies or declining rents resulting from economic, legal, political, or technological developments, lack of liquidity, limited diversification and sensitivity to certain economic factors such as interest rate changes and market recessions. **Bonds** are subject to interest rate, credit, liquidity, call and market risks, to varying degrees. Generally, all other factors being equal, bond prices are inversely related to interest-rate changes and rate increases can cause price declines. Municipal income may be subject to state and local taxes. Some income may be subject to the federal alternative minimum tax for certain investors. Capital gains, if any, are taxable. **High yield bonds** involve increased credit and liquidity risks than higher rated bonds and are considered speculative in terms of the issuer's ability to pay interest and repay principal on a timely basis. **Commodities** contain heightened risk including market, political, regulatory, and natural conditions, and not be appropriate for all investors. **Currencies** can decline in value relative to a local currency, or, in the case of hedged positions, the local currency will decline relative to the currency being hedged. These risks may increase fund volatility.

Information and opinions presented have been obtained or derived from sources which BNY believed to be reliable, but BNY makes no representation to its accuracy and completeness. BNY accepts no liability for loss arising from use of this material.

BNY may refer clients to certain of its affiliates offering expertise, products and services which may be of interest to the client. Use of an affiliate after such a referral remains the sole decision of the client.

Qualification as a CFA® Charterholder requires:

- A bachelor's degree from an accredited institution or equivalent education or work experience.
- Successful completion of all three exam levels of the CFA® program.
- 48 months of acceptable professional work experience in the investment decision-making process.
- Fulfillment of local society requirements, which vary by society. Entry into a Member's Agreement, a Professional Conduct Statement and any additional documentation requested by CFA® Institute.
- CFA® and Chartered Financial Analyst® are registered trademarks owned by the CFA® Institute.

BNY Advisors is the brand name under which BNY Mellon Advisors, Inc. conducts its investment advisory business. BNY Advisors is an investment adviser registered in the United States under the Investment Advisers Act of 1940 and a subsidiary of The Bank of New York Mellon Corporation. BNY Advisors does not conduct business outside of the United States directly. All BNY Advisors services are offered through the appropriate BNY entity, which then contracts with BNY Advisors for these services. BNYSC is a registered investment adviser and broker-dealer and member of FINRA and SIPC, and is a subsidiary of The Bank of New York Mellon Corporation. BNY Investments is one of the world's leading investment management organizations, encompassing BNY's affiliated investment management firms and global distribution companies. BNY is the corporate brand of The Bank of New York Mellon Corporation and may be used to reference the corporation as a whole and/or its various subsidiaries generally.

# Disclosures & Disclaimers

## FOR INSTITUTIONAL, PROFESSIONAL, QUALIFIED INVESTORS AND QUALIFIED CLIENTS ONLY.

This material should not be considered as investment advice or a recommendation of any investment manager or account arrangement, and should not serve as a primary basis for investment decisions. Any statements and opinions expressed are those of the author as at the date of publication, are subject to change as economic and market conditions dictate, and do not necessarily represent the views of BNY. The information has been provided as a general market commentary only and does not constitute legal, tax, accounting, other professional counsel or investment advice, is not predictive of future performance, and should not be construed as an offer to sell or a solicitation to buy any security or make an offer where otherwise unlawful. The information has been provided without taking into account the investment objective, financial situation or needs of any particular person. BNY is not responsible for any subsequent investment advice given based on the information supplied. This is not investment research or a research recommendation for regulatory purposes as it does not constitute substantive research or analysis. This information may contain projections or other forward-looking statements regarding future events, targets or expectations, and is only current as of the date indicated. There is no assurance that such events or expectations will be achieved, and actual results may be significantly different from that shown here. The information is based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons. References to specific securities, asset classes and financial markets are for illustrative purposes only and are not intended to be and should not be interpreted as recommendations. Charts are provided for illustrative purposes only and are not indicative of the past or future performance of any BNY product. Index performance does not reflect any management fees, transaction costs or expenses. Indexes are unmanaged and one cannot invest directly in an index. Past performance is no guarantee of future results. Information and opinions presented have been obtained or derived from sources which BNY believed to be reliable, but BNY makes no representation to its accuracy and completeness. BNY accepts no liability for loss arising from use of this material.

### All investments involve risk including loss of principal.

**Not for distribution to, or use by, any person or entity in any jurisdiction or country in which such distribution or use would be contrary to local law or regulation.** This information may not be distributed or used for the purpose of offers or solicitations in any jurisdiction or in any circumstances in which such offers or solicitations are unlawful or not authorized, or where there would be, by virtue of such distribution, new or additional registration requirements. Persons into whose possession this information comes are required to inform themselves about and to observe any restrictions that apply to the distribution of this information in their jurisdiction.

### Issuing entities

**This material is only for distribution in those countries and to those recipients listed**, subject to the noted conditions and limitations: • **United States:** by BNY Mellon Securities Corporation (BNYSC), 240 Greenwich Street, New York, NY 10286. BNYSC, a registered broker-dealer and FINRA member, has entered into agreements to offer securities in the U.S. on behalf of certain BNY Investments firms. • **Europe (excluding Switzerland):** BNY Mellon Fund Management (Luxembourg) S.A., 2-4 Rue EugèneRuppertL-2453 Luxembourg. • **UK, Africa and Latin America (ex-Brazil):** BNY Mellon Investment Management EMEA Limited, BNY Mellon Centre, 160 Queen Victoria Street, London EC4V 4LA. Registered in England No. 1118580. Authorised and regulated by the Financial Conduct Authority. • **South Africa:** BNY Mellon Investment Management EMEA Limited is an authorised financial services provider. • **Switzerland:** BNY Mellon Investments Switzerland GmbH, Bäringasse 29, CH-8001 Zürich, Switzerland. • **Middle East:** DIFC branch of The Bank of New York Mellon. Regulated by the Dubai Financial Services Authority. • **South East Asia and South Asia** BNY Mellon Investment Management Singapore Pte. Limited Co. Reg. 201230427E. Regulated by the Monetary Authority of Singapore. • **Hong Kong:** BNY Mellon Investment Management Hong Kong Limited. Regulated by the Hong Kong Securities and Futures Commission. • **Japan:** BNY Mellon Investment Management Japan Limited. BNY Mellon Investment Management Japan Limited is a Financial Instruments Business Operator with license no 406 (Kinsho) at the Commissioner of Kanto Local Finance Bureau and is a Member of the Investment Trusts Association, Japan and Japan Investment Advisers Association and Type II Financial Instruments Firms Association. • **Brazil:** ARX Investimentos Ltda., Av. Borges de Medeiros, 633, 4th floor, Rio de Janeiro, RJ, Brazil, CEP 22430-041. Authorized and regulated by the Brazilian Securities and Exchange Commission (CVM). • **Canada:** BNY Mellon Asset Management Canada Ltd. is registered in all provinces and territories of Canada as a Portfolio Manager and Exempt Market Dealer, and as a Commodity Trading Manager in Ontario. All issuing entities are subsidiaries of The Bank of New York Mellon Corporation.

### IMPORTANT INFORMATION FOR ASIA PACIFIC AUDIENCE

This document is provided to the recipient for information purposes only. This document may not be used for the purpose of an offer or solicitation, directly or indirectly, in any jurisdiction or in any circumstances in which such offer or solicitation is unlawful or not authorised. This document has not been reviewed or approved by any regulatory authorities and is only for "Eligible Recipients". "Eligible Recipients" means professional clients (i.e. non-retail clients) and (in jurisdictions where there are restrictions on (i) the types of professional clients which can be provided with this document; and (ii) the purposes for which this document can be provided to such professional clients) such types of professional clients (e.g. eligible financial institutions or financial intermediaries) which shall only use this document for the specific purposes as permitted under applicable laws and regulations.

This document is for the exclusive use of the Eligible Recipient. This document may not be copied, duplicated in any form by any means, published, circulated or redistributed or caused to be done so, whether directly or indirectly, to any other persons without the prior written consent of BNY. It is not intended for onward distribution or dissemination to the retail public and is not to be relied upon by retail clients. This document is not for distribution to, or to be used by, any person or entity in any jurisdiction or country in which such distribution or use would be contrary to local law or regulation, or where there would be, by virtue of such distribution or use, new or additional registration or approval requirements. Persons into whose possession this document comes are required to inform themselves about and to observe any restrictions that apply to the distribution or use of this document in their jurisdictions.

Accordingly, this document and any other documents and materials, in connection therewith may only be circulated or distributed by an entity as permitted by applicable laws and regulations. BNY Investments do not have any intention to solicit Eligible Recipients for any investment or subscription in a fund or use of BNY Investments services and any such solicitation or marketing will only be made by an entity permitted by applicable laws and regulations. BNY Investments do not intend to conduct any offering activities, investment management business, investment advisory business, and/or any other securities business in any jurisdiction or in any circumstances in which such offer or solicitation is unlawful or not authorized.

# Disclosures & Disclaimers

Any views and opinions contained in this document are those of Investment Manager as at the date of issue; are subject to change and should not be taken as investment advice. BNY is not responsible for any subsequent investment advice given based on the information supplied.

BNY, BNY Mellon and Bank of New York Mellon are the corporate brands of The Bank of New York Mellon Corporation and may also be used to reference the corporation as a whole and/or its various subsidiaries generally. BNY Investments encompass BNY Mellon's affiliated investment management firms and global distribution companies. Any BNY entities mentioned are ultimately owned by The Bank of New York Mellon Corporation.

This document is not intended as investment advice. Investment involves risk. Past performance is not indicative of future performance. No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment. The value of investments and the income from them is not guaranteed and can fall as well as rise due to stock market and currency movements. When you sell your investment you may get back less than you originally invested.

No warranty is given as to the accuracy or completeness of this information and no liability is accepted for errors or omissions in such information. BNY accepts no liability for loss arising from use of this material.

The investment program contained in this presentation may not meet the objectives or suitability requirements of any specific investor. An investor should assess his/her own investment needs based on his/her own financial circumstances and investment objectives. You are advised to exercise caution when reading this document. If y

The information contained in this document should not be construed as a recommendation to buy or sell any security. It should not be assumed that a security has been or will be profitable. There is no assurance that a security will remain in the portfolio. Tax treatment will depend on the individual circumstances of clients and may be subject to change in the future.

If there is any inconsistency between this warning statement and the disclosure stated under this document, this warning statement shall prevail to the extent of the inconsistency.

## **BNY COMPANY INFORMATION**

**BNY Investments** is the brand name for the investment management business of BNY and its investment firm affiliates worldwide. • **Mellon Investments Corporation** (MIC) is a registered investment adviser and subsidiary of The Bank of New York Mellon Corporation (BNY). MIC is composed of two divisions; BNY Investments Mellon (Mellon), which specializes in index management, and BNY Investments Dreyfus (Dreyfus), which specializes in cash management and short duration strategies.. • **Insight Investment** - Investment advisory services in North America are provided through two different investment advisers registered with the Securities and Exchange Commission (SEC) using the brand Insight Investment: Insight North America LLC (INA) and Insight Investment International Limited (IIIL). The North American investment advisers are associated with other global investment managers that also (individually and collectively) use the corporate brand Insight. Insight is a subsidiary of The Bank of New York Mellon Corporation. • **Newton Investment Management** - "Newton" and/or "Newton Investment Management" is a corporate brand which refers to the following group of affiliated companies: Newton Investment Management Limited (NIM), Newton Investment Management North America LLC (NIMNA) and Newton Investment Management Japan Limited (NIMJ). NIM was established in 2021, NIMJ was established in March 2023. NIM and NIMNA are registered with the Securities and Exchange Commission (SEC) in the United States of America as an investment adviser under the Investment Advisers Act of 1940. Newton is a subsidiary of The Bank of New York Mellon Corporation. • **ARX** is the brand used to describe the Brazilian investment capabilities of BNY Mellon ARX Investimentos Ltda. ARX is a subsidiary of The Bank of New York Mellon Corporation. • **Walter Scott & Partners Limited** (Walter Scott) is an investment management firm authorized and regulated by the Financial Conduct Authority, and a subsidiary of The Bank of New York Mellon Corporation. • **Siguler Guff** - BNY owns a 20% interest in Siguler Guff & Company, LP and certain related entities (including Siguler Guff Advisers LLC). • **BNY Mellon Advisors, Inc. (BNY Advisors)** is an investment adviser registered as such with the U.S. Securities and Exchange Commission ("SEC") pursuant to the Investment Advisers Act of 1940, as amended. BNY Advisors is a subsidiary of The Bank of New York Mellon Corporation.

No part of this material may be reproduced in any form, or referred to in any other publication, without express written permission. All information contained herein is proprietary and is protected under copyright law.

## **NOT FDIC INSURED | NO BANK GUARANTEE | MAY LOSE VALUE |**

©2025 THE BANK OF NEW YORK MELLON CORPORATION

>BNY