

QUARTERLY MARKET REVIEW



FOURTH QUARTER 2024

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HOW TO FEEL ABOUT CONSUMER FEELINGS

Does your neighbor know where the economy is headed in the next 12 months? Since the 1960s, the University of Michigan has published the popular Consumer Sentiment Index, which asks everyday folk questions like: "Are you better off or worse off financially than you were a year ago?" or "Do you think that a year from now you will be better off financially, worse off financially, or just about the same as now?"¹ This index is sometimes viewed as a beacon of how investors feel about the direction of the economy.

As of September 30, 2024, the index sat at 70.1, pessimistic relative to its long-run average of 85.1.² Investors interpreting this as an ominous sign for markets may not have anything to fear though, as the data show this index has not been great at predicting future returns. Plotting the level of the Consumer Sentiment Index against subsequent 12-month stock market returns shows no discernible pattern, except that stocks tend to go up more often than they go down. Out of the 226 months where the sentiment index was below the long-run average, the average equity premium over the next year was 10.6%.

If your neighbor is feeling sour, that doesn't necessarily mean you should be changing your outlook or your investment portfolio. Markets tend to price in the latest views on the economy, including consumer optimism.

Next 12-Month US Equity Premium Against University of Michigan Consumer Sentiment Index

December 1978-December 2023



University of Michigan, Consumer Sentiment Index, t

CONTINUED ON NEXT PAGE

^{1. &}quot;Surveys of Consumers," The Regents of the University of Michigan, 2024. All rights reserved.

^{2.} Current index level as of September 30, 2024. The date range for the long-run monthly average is December 1978-December 2023.

See following page for important disclosure



HOW TO FEEL ABOUT CONSUMER FEELINGS CONTINUED

Article by Matt Lipps, CFA, Investment Strategist, Dimensional Fund Advisors

Past performance is no guarantee of future results.

Index Descriptions

Fama/French Total US Market Research Index: July 1926-present: Fama/French Total US Market Research Factor + One-Month US Treasury Bills. Source: Ken French website. Results shown during periods prior to each index's inception date do not represent actual returns of the respective index. Other periods selected may have different results, including losses. Backtested index performance is hypothetical and is provided for informational purposes only to indicate historical performance had the index been calculated over the relevant time periods. Backtested performance results assume the reinvestment of dividends and capital gains.

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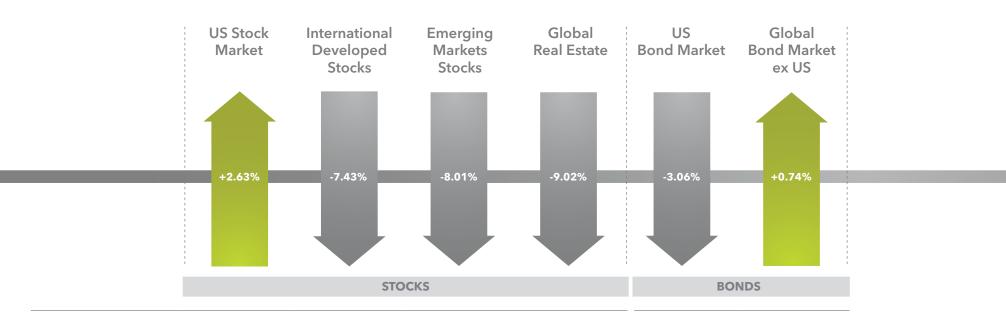
QUARTERLY MARKET REVIEW OVERVIEW

Quarterly Topic: How to Feel About Consumer Feelings
Quarterly Market Summary
Long-Term Market Summary
World Stock Market Performance
US Stocks
International Developed Stocks
Emerging Markets Stocks
Country Returns
Real Estate Investment Trusts (REITs)
Commodities
Fixed Income
Global Fixed Income

This report features world capital market performance and a timeline of events for the past quarter. It begins with a quarterly topic and a global overview, then features the returns of stock and bond asset classes in the US and international markets.



QUARTERLY MARKET SUMMARY: INDEX RETURNS (USD)



Since Jan. 2001

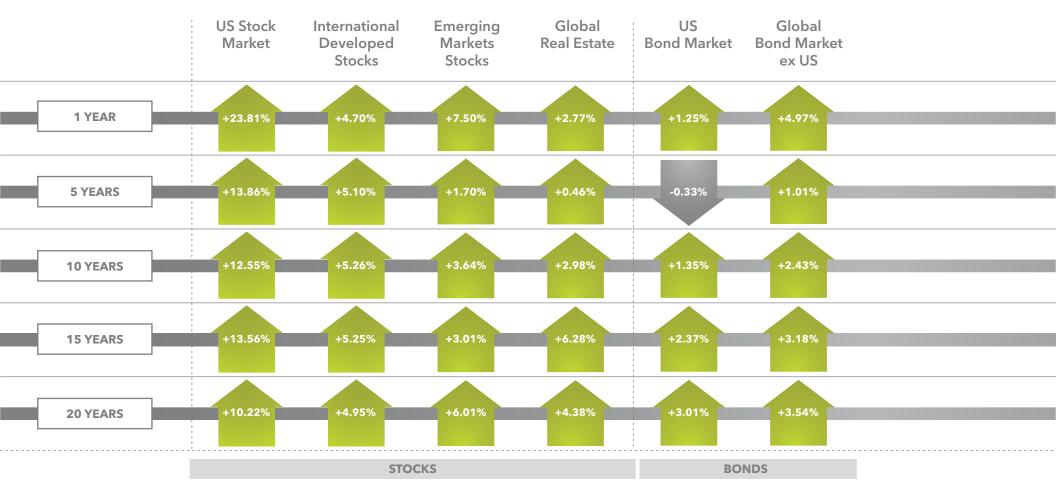
Avg. Quarterly Return	2.4%	1.6%	2.5%	2.2%	0.9%	1.0%
Best Quarter	22.0%	25.9%	34.7%	32.3%	6.8%	5.4%
	Q2 2020	Q2 2009	Q2 2009	Q3 2009	Q4 2023	Q4 2023
Worst Quarter	-22.8%	-23.3%	-27.6%	-36.1%	-5.9%	-4.1%
	Q4 2008	Q1 2020	Q4 2008	Q4 2008	Q1 2022	Q1 2022

Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio.

Market segment (index representation) as follows: US Stock Market (Russell 3000 Index), International Developed Stocks (MSCI World ex USA Index [net dividends]), Emerging Markets (MSCI Emerging Markets Index [net dividends]), Global Real Estate (S&P Global REIT Index [net dividends]), US Bond Market (Bloomberg US Aggregate Bond Index), and Global Bond Market ex US (Bloomberg Global Aggregate ex-USD Bond Index [hedged to USD]). S&P data © 2025 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes. MSCI data © MSCI 2025, all rights reserved. Bloomberg data provided by Bloomberg.



LONG-TERM MARKET SUMMARY: INDEX RETURNS (USD)

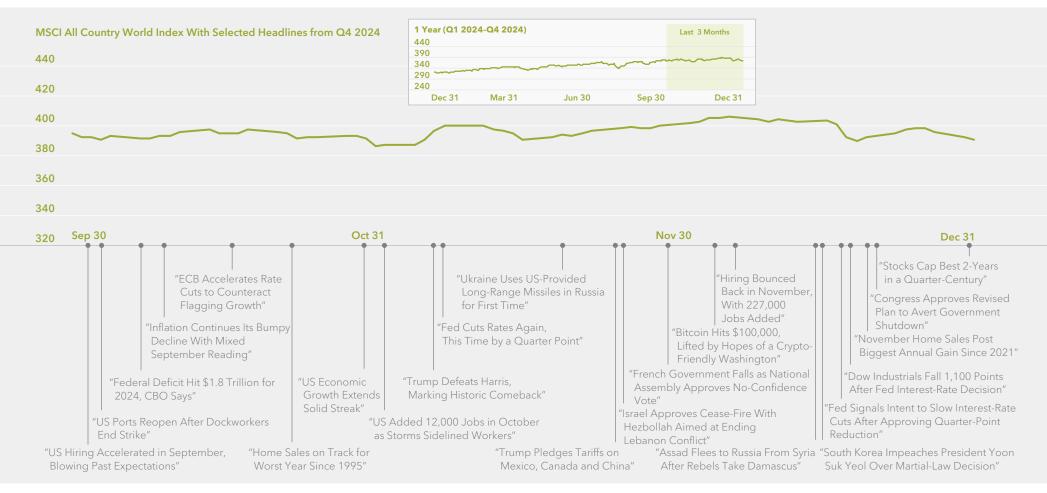


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WORLD STOCK MARKET PERFORMANCE: SELECT HEADLINES



These headlines are not offered to explain market returns. Instead, they serve as a reminder that investors should view daily events from a long-term perspective and avoid making investment decisions based solely on the news.

Graph Source: MSCI ACWI Index (net dividends). MSCI data © MSCI 2025, all rights reserved. Index level based at 100 starting January 2000. It is not possible to invest directly in an index. Performance does not reflect the expenses associated with management of an actual portfolio. Past performance is not a quarantee of future results.



WORLD STOCK MARKET PERFORMANCE: SELECT HEADLINES

Short Term (Q1 2024-Q4 2024) MSCI All Country World Index With Selected Headlines From Past 12 Months 440 420 400 380 360 Long Term (2000-Q4 2024) Last 12 340 Months 400 320 300 200 300 100 280 0 260 2000 2003 2007 2011 2015 2019 2024 Sep 30 **Dec 31** Mar 31 Jun 30 Dec 31 240 "Stocks Cap Best 2-Years 'Stock Indexes Book Records "Biden Drops Out of in a Quarter-Century" after Inflation Eases" Extends Solid Streak Presidential Race. 'Congress Approves Revised Endorses Harris" Plan to Avert Government "US Senate Approves Measure Shutdown" Averting Government Shutdown" 'China Tries to Jolt "Fed Signals Intent to Slow "Major Tech Outage Ailing Economy" Interest-Rate Cuts After Grounds Flights, Hits Banks Approving Quarter-Point "Bitcoin Funds Pull In Money at Record Pace" and Businesses Worldwide" Reduction" "The Fed's Bold Move Jolts Global Markets" "Assad Flees to Russia From Syria "Dow, S&P 500, Nikkei Surge to Records after "US Housing Starts Fall "US Job Market Was Weaker Than After Rebels Take Damascus" Nvidia's Blockbuster Earnings Spark Global Rally" to a Four-Year Low" Israel Approves Cease-Fire With Previously Reported, Data Show" Hezbollah Aimed at Ending "ECB Cuts Interest Rates for First Time "Trump Defeats Harris, Marking Lebanon Conflict" since 2019" Historic Comeback" "US Inflation Edged Up in December "Iranian President Ebrahim Raisi "Growth Fears Rattle Markets; "Fed Cuts Rates Again, This Time After Rapid Cooling Most of 2023" Killed in Helicopter Crash" Nasdag Suffers Correction" by a Quarter Point"

These headlines are not offered to explain market returns. Instead, they serve as a reminder that investors should view daily events from a long-term perspective and avoid making investment decisions based solely on the news.

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US STOCKS: INDEX RETURNS (USD)

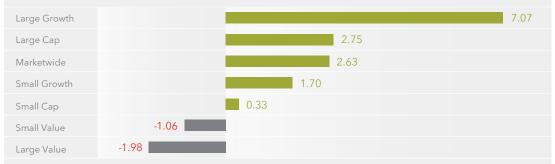
The US equity market posted positive returns for the quarter and outperformed both non-US developed and emerging markets.

Value underperformed growth.

Small caps underperformed large caps.

REIT indices underperformed equity market indices.

Ranked Returns for the Quarter (%)





Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	15 Years*	20 Years*
Large Growth	7.07	33.36	10.47	18.96	16.78	16.45	12.56
Large Cap	2.75	24.51	8.41	14.28	12.87	13.79	10.39
Marketwide	2.63	23.81	8.01	13.86	12.55	13.56	10.22
Small Growth	1.70	15.15	0.21	6.86	8.09	10.92	8.32
Small Cap	0.33	11.54	1.24	7.40	7.82	10.33	7.79
Small Value	-1.06	8.05	1.94	7.29	7.14	9.46	7.01
Large Value	-1.98	14.37	5.63	8.68	8.49	10.75	7.89

Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio.

Market segment (index representation) as follows: Marketwide (Russell 3000 Index), Large Cap (Russell 1000 Index), Large Value (Russell 1000 Value Index), Large Growth (Russell 1000 Growth Index), Small Cap (Russell 2000 Index), Small Value (Russell 1000 Index), Large Value (Russell 1000 Value Index), Large Growth (Russell 2000 Growth Index), Small Cap (Russell 2000 Index), Small Value (Russell 2000 Value Index), and Small Growth (Russell 2000 Growth Index). World Market Cap represented by Russell 3000 Index, MSCI World ex USA IMI Index, and MSCI Emerging Markets IMI Index. Russell 3000 Index is used as the proxy for the US market. Dow Jones US Select REIT Index used as proxy for the US REIT market. MSCI data © MSCI 2025, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes.

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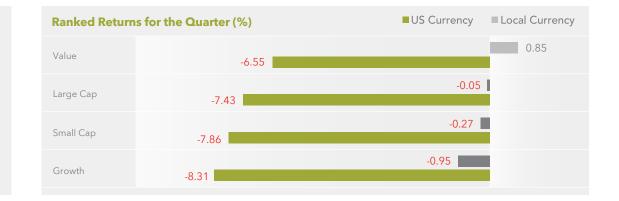


INTERNATIONAL DEVELOPED STOCKS: INDEX RETURNS (USD)

Developed markets outside of the US posted negative returns for the quarter and underperformed the US market, but outperformed emerging markets.

Value outperformed growth.

Small caps underperformed large caps.



World Market Capitalization-In	ternational Dev	veloped
24% International Developed Market \$21.1 trillion		

Periodic Returns (.%)						
Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	15 Years*	20 Years*
Value	-6.55	6.65	6.04	5.50	4.54	4.53	4.36
Large Cap	-7.43	4.70	1.91	5.10	5.26	5.25	4.95
Small Cap	-7.86	2.76	-2.77	2.87	5.49	6.29	5.68
Growth	-8.31	2.82	-2.26	4.29	5.72	5.77	5.38
* Annualized							

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Market segment (index representation) as follows: Large Cap (MSCI World ex USA Index), Small Cap (MSCI World ex USA Small Cap Index), Value (MSCI World ex USA Value Index), and Growth (MSCI World ex USA Growth Index). All index returns are net of withholding tax on dividends. World Market Cap represented by Russell 3000 Index, MSCI World ex USA IMI Index, and MSCI Emerging Markets IMI Index. MSCI World ex USA IMI Index is used as the proxy for the International Developed market. MSCI data © MSCI 2025, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes.



EMERGING MARKETS STOCKS: INDEX RETURNS (USD)

Emerging markets posted negative returns for the quarter and underperformed both US and non-US developed markets.

Value underperformed growth.

Small caps outperformed large caps.



World Market Capitalization-Em	nerging Markets
10% Emerging Markets \$9.0 trillion	

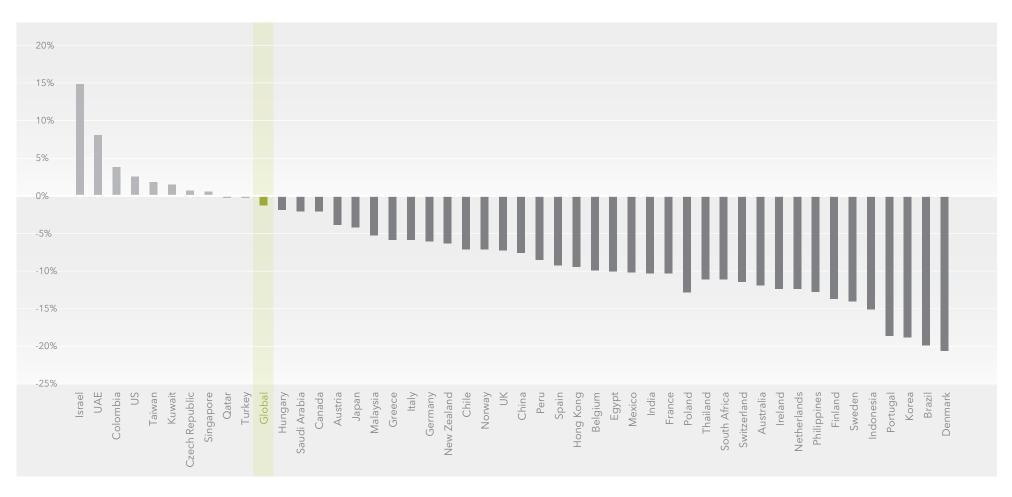
Periodic Returns (%)								
Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	15 Years*	20 Years*	
Growth	-6.91	10.30	-3.90	1.32	4.34	3.89	6.26	
Small Cap	-7.19	4.79	2.11	8.56	5.73	4.79	7.66	
Large Cap	-8.01	7.50	-1.92	1.70	3.64	3.01	6.01	
Value	-9.21	4.51	0.16	1.96	2.81	2.04	5.66	
* Annualized								

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Market segment (index representation) as follows: Large Cap (MSCI Emerging Markets Index), Small Cap (MSCI Emerging Markets Small Cap Index), Value (MSCI Emerging Markets Value Index), and Growth (MSCI Emerging Markets Growth Index). All index returns are net of withholding tax on dividends. World Market Cap represented by Russell 3000 Index, MSCI World ex USA IMI Index, and MSCI Emerging Markets IMI Index. MSCI Emerging Markets IMI Index used as the proxy for the emerging market portion of the market. MSCI data © MSCI 2025, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexs.



COUNTRY RETURNS: INDEX RETURNS (USD)



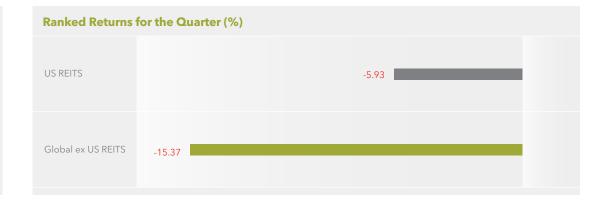
Past performance is no guarantee of future results.

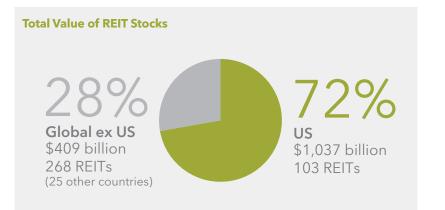
Country returns are the country component indices of the MSCI All Country World IMI Index for all countries except the United States, where the Russell 3000 Index is used instead. Global is the return of the MSCI All Country World IMI Index for all countries except the United States, where the Russell 3000 Index is used instead. Global is the return of the MSCI All Country World IMI Index. MSCI index returns are net dividend. Indices are not available for direct investment. Their performance does not reflect the expenses associated with the management of an actual portfolio. Frank Russell Company is the source and owner of the trademarks, service marks and copyrights related to the Russell Indexes. MSCI data © MSCI 2025, all rights reserved.



REAL ESTATE INVESTMENT TRUSTS (REITs): INDEX RETURNS (USD)

US real estate investment trusts outperformed non-US REITs during the quarter.





Periodic Returns (%)						
Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	15 Years*	20 Years*
US REITS	-5.93	8.10	-3.02	3.40	4.89	8.78	6.49
Global ex US REITS	-15.37	-7.83	-9.00	-5.25	0.05	3.22	2.15

Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio

Number of REIT stocks and total value based on the two indices. All index returns are net of withholding tax on dividends. Total value of REIT stocks represented by Dow Jones US Select REIT Index and the S&P Global ex US REIT Index. Dow Jones US Select REIT Index used as proxy for the US market, and S&P data © 2025 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved.



COMMODITIES: INDEX RETURNS (USD)

The Bloomberg Commodity Total Return Index returned -0.45% for the fourth quarter of 2024.

Sugar and Nickel were the worst performers, returning -14.29% and -13.81% during the quarter, respectively. Coffee and WTI Crude Oil were the best performers, returning +18.51% and +7.10% during the quarter, respectively.

Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	15 Years*	20 Years*
Commodities	-0.45	5.38	4.05	6.77	1.28	-1.04	-0.30

Ranked Returns for the Quarter (%)

Coffee	18.51
WTI Crude Oil	7.10
Heating Oil	5.75
Lean Hogs	5.57
Unleaded Gas	5.49
Brent Crude Oil	5.16
Low Sulphur Gas Oil	4.95
Corn	4.92
Live Cattle	2.72
Natural Gas	I 0.04
Gold	-1.60
Aluminum	-3.69
Zinc	-4.18
Kansas Wheat	-6.47
Soybean	-6.57
Soybean Oil	-7.48
Wheat	-8.11
Silver	-8.32
Lead	-8.40
Soybean Meal	-9.05
Cotton	-10.08
Copper	-12.60
Nickel	-13.81
Sugar	-14.29

Past performance is not a guarantee of future results. Index is not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Commodities returns represent the return of the Bloomberg Commodity Total Return Index. Individual commodities are sub-index values of the Bloomberg Commodity Total Return Index. Data provided by Bloomberg.



FIXED INCOME: INDEX RETURNS (USD)

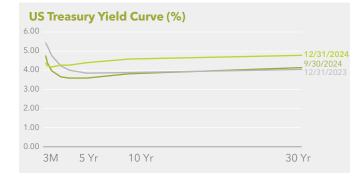
Within the US Treasury market, interest rates generally increased during the quarter.

On the short end of the yield curve, the 1-Month US Treasury Bill yield decreased 53 basis points (bps) to 4.40%, while the 1-Year US Treasury Bill yield increased 18 bps to 4.16%. The yield on the 2-Year US Treasury Note increased 59 bps to 4.25%.

The yield on the 5-Year US Treasury Note increased 80 bps to 4.38%. The yield on the 10-Year US Treasury Note increased 77 bps to 4.58%. The yield on the 30-Year US Treasury Bond increased 64 bps to 4.78%.

In terms of total returns, short-term US treasury bonds returned -0.83% while intermediate-term US treasury bonds returned -1.70%. Short-term corporate bonds returned -0.40% and intermediate-term corporate bonds returned -1.40%.¹

The total returns for short- and intermediate-term municipal bonds were -0.40% and -1.30%, respectively. Within the municipal fixed income market, general obligation bonds returned -1.18% while revenue bonds returned -1.25%.²





Periodic Returns (%)

Asset Class	QTR	1 Year	3 Years*	5 Years*	10 Years*	10 Years*	10 Years*
ICE BofA US 3-Month Treasury Bill Index	1.17	5.25	3.89	2.46	1.77	1.20	1.66
ICE BofA 1-Year US Treasury Note Index	0.70	4.75	2.78	2.01	1.63	1.22	1.82
Bloomberg U.S. High Yield Corporate Bond Index	0.17	8.19	2.92	4.21	5.17	6.44	6.45
FTSE World Government Bond Index 1-5 Years (hedged to USD)	0.15	4.31	1.59	1.43	1.67	1.71	2.39
Bloomberg Municipal Bond Index	-1.22	1.05	-0.55	0.99	2.25	3.21	3.49
Bloomberg U.S. TIPS Index	-2.88	1.84	-2.30	1.87	2.24	2.86	3.30
Bloomberg U.S. Aggregate Bond Index	-3.06	1.25	-2.41	-0.33	1.35	2.37	3.01
FTSE World Government Bond Index 1-5 Years	-3.38	0.11	-1.44	-0.52	0.11	-0.05	1.00
Bloomberg U.S. Government Bond Index Long	-8.60	-6.37	-11.91	-5.17	-0.61	2.76	3.35
* Annualized							

1. Bloomberg US Treasury and US Corporate Bond Indices. 2. Bloomberg Municipal Bond Index.

One basis point (bps) equals 0.01%. Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Yield curve data from Federal Reserve. State and local bonds and the Yield to Worst are from the S&P National AMT-Free Municipal Bond Index. AAA-AA Corporates represent the ICE BofA US Corporates, AAA-AA rated. A-BBB Corporates represent the ICE BofA Corporates, BBB-A rated. Bloomberg data provided by Bloomberg. US long-term bonds, bills, inflation, and fixed income factor data © Stocks, Bonds, Bills, and Inflation (SBBI) Yearbook[™], Ibbotson Associates, Chicago (annually updated work by Roger G. Ibbotson and Rex A. Sinquefield). FTSE fixed income indices © 2025 FTSE Fixed Income LLC, all rights reserved. IEC BofA index data © 2025 ICE Data Indices, LLC. S&P data © 2025 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Bloomberg.

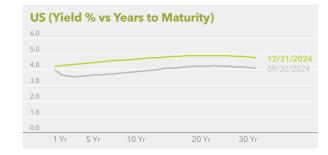


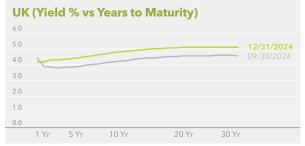
GLOBAL FIXED INCOME: YIELD CURVES

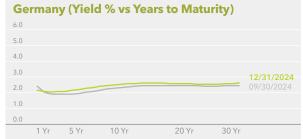
Interest rates generally increased across global developed markets for the quarter.

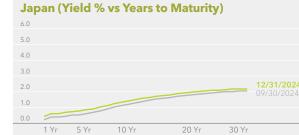
Realized term premiums were generally negative across global developed markets, as longer-term bonds generally underperformed shorter-term bonds.

In the UK, Germany, Canada and Australia, the short-term segment of the yield curve remained inverted.



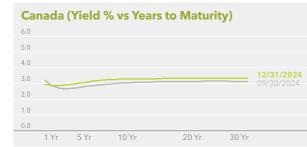




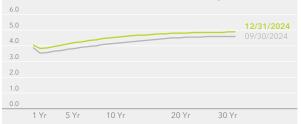


Changes in Yield (bps) Since 09/30/2024

1Y	5Y	10Y	20Y	30Y
24.9	81.7	80.8	69.5	70.1
-23.5	51.2	57.5	55.8	52.2
-23.0	20.2	23.5	12.8	14.7
20.2	22.6	22.0	16.1	14.1
-26.4	26.6	25.8	19.1	19.0
14.7	32.9	38.0	30.9	27.1
	24.9 -23.5 -23.0 20.2 -26.4	24.9 81.7 -23.5 51.2 -23.0 20.2 20.2 22.6 -26.4 26.6	24.9 81.7 80.8 -23.5 51.2 57.5 -23.0 20.2 23.5 20.2 22.6 22.0 -26.4 26.6 25.8	24.9 81.7 80.8 69.5 -23.5 51.2 57.5 55.8 -23.0 20.2 23.5 12.8 20.2 22.6 22.0 16.1 -26.4 26.6 25.8 19.1



Australia (Yield % vs Years to Maturity)



One basis point (bps) equals 0.01%. Source: ICE BofA government yield. ICE BofA index data © 2025 ICE Data Indices, LLC



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