

# Market Environment

First Quarter 2024

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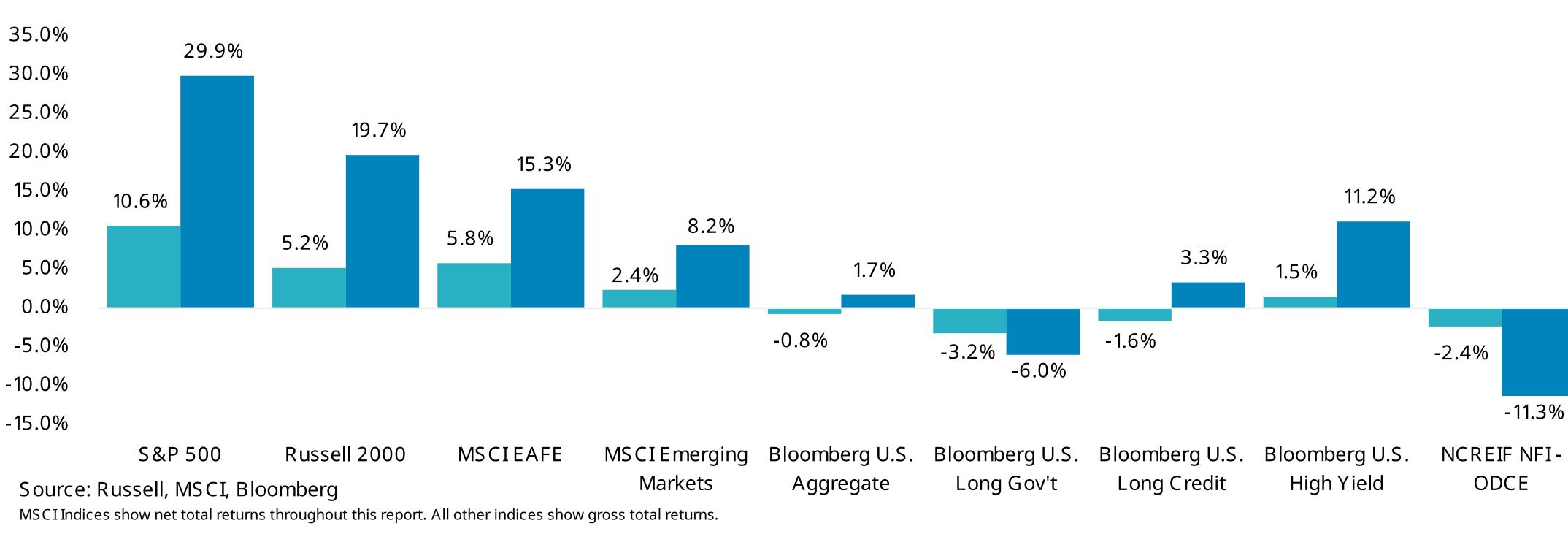
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# Market Highlights

### SHORT TERM RETURNS AS OF 03/31/2024

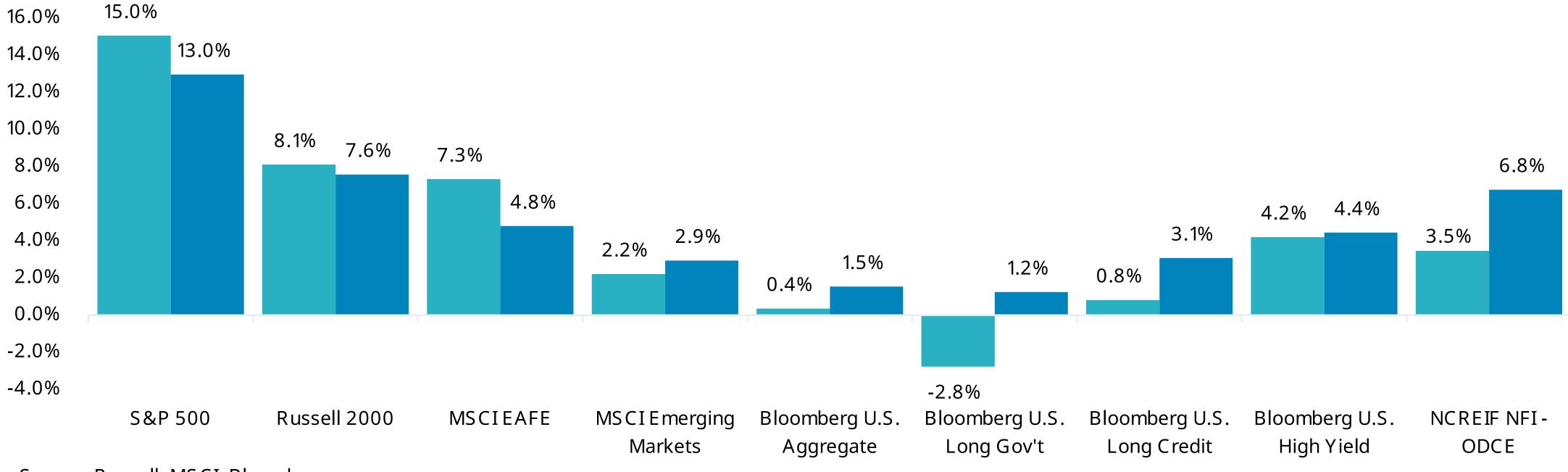


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First Quarter 2024 One-Year

# Market Highlights

### LONG TERM ANNUALIZED RETURNS AS OF 03/31/2024



Source: Russell, MSCI, Bloomberg

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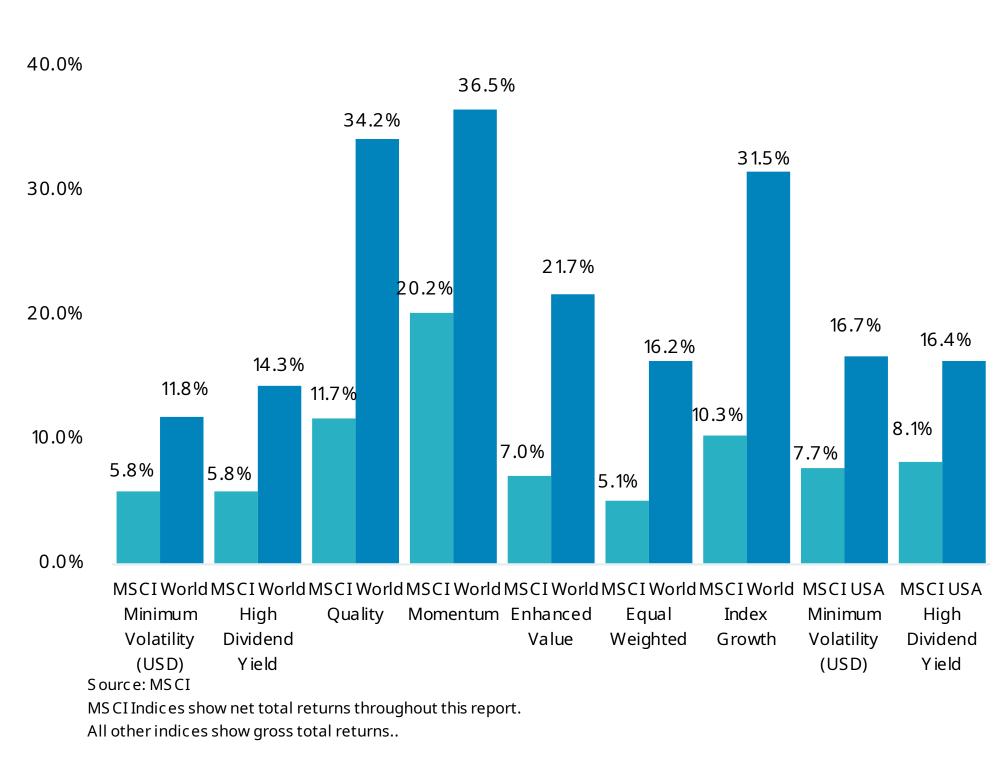
## Market Highlights

Returns of the Major Capital Markets						Returns of the Major Capital Markets							
					Period En	ding 03/31/2024						Period Ending	03/31/2024
	First Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>		First Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>
Equity							Fixed Income						
MSCI All Country World IMI	7.72%	7.72%	22.45%	6.31%	10.57%	8.43%	Bloomberg Global Aggregate	-2.08%	-2.08%	0.49%	-4.73%	- 1.17 %	-0.07%
MSCIAll Country World	8.20%	8.20%	23.22%	6.96%	10.92%	8.66%	Bloomberg U.S. Aggregate	-0.78%	-0.78%	1.70%	-2.46%	0.36%	1.54%
Dow J ones U.S. Total Stock Market	10.05%	10.05%	29.35%	9.63%	14.23%	12.24%	Bloomberg U.S. Long Gov't	-3.24%	-3.24%	-6.03%	-8.01%	-2.77%	1.25%
Russell 3000	10.02%	10.02%	29.29%	9.78%	14.34%	12.33%	Bloomberg U.S. Long Credit	-1.65%	-1.65%	3.31%	-4.26%	0.83%	3.08%
S&P 500	10.56%	10.56%	29.88%	11.49%	15.05%	12.96%	Bloomberg U.S. Long Gov't/Credit	-2.41%	-2.41%	-1.15%	-6.04%	-0.62%	2.32%
Russell 2000	5.18%	5.18%	19.71%	-0.10%	8.10%	7.58%	Bloomberg U.S. TIPS	-0.08%	-0.08%	0.45%	-0.53%	2.49%	2.21%
MSCIAll Country World ex-U.S. IMI	4.33%	4.33%	13.20%	1.72%	6.00%	4.32%	Bloomberg U.S. High Yield	1.47%	1.47%	11.15%	2.19%	4.21%	4.44%
MSCIAll Country World ex-U.S.	4.69%	4.69%	13.26%	1.94%	5.97%	4.25%	Bloomberg Global Treasury ex U.S.	-3.81%	-3.81%	-2.75%	-7.65%	-3.41%	-1.68%
MSCIEAFE	5.78%	5.78%	15.32%	4.78%	7.33%	4.80%	J P Morgan EMBI Global (Emerging Market	1.40%	1.40%	9.53%	-1.10%	0.93%	2.85%
MSCIEAFE (Local Currency)	9.96%	9.96%	18.82%	9.43%	9.36%	7.66%	Commodities						
MSCIEmerging Markets	2.37%	2.37%	8.15%	-5.05%	2.22%	2.95%	Bloomberg Commodity Index	2.19%	2.19%	-0.56%	9.11%	6.38%	-1.56%
Equity Factors	2.37 /0	2.3770	0.1370	5.0570	2.2270	2.9370	Goldman Sachs Commodity Index	10.36%	10.36%	11.14%	18.05%	7.83%	-2.93%
MSCI World Minimum Volatility (USD)	5.81%	5.81%	11.85%	5.54%	6.61%	8.33%	Hedge Funds						
MSCI World High Dividend Yield	5.79%	5.79%	14.31%	7.11%	8.21%	7.04%	HFRI Fund-Weighted Composite <sup>2</sup>	4.52%	4.52%	11.68%	4.11%	6.92%	4.93%
MSCI World Quality	11.70%	11.70%	34.17%	12.41%	16.20%	13.33%	HFRI Fund of Funds <sup>2</sup>	4.17%	4.17%	9.68%	2.88%	5.00%	3.59%
MSCI World Momentum							Real Estate						
	20.21%	20.21%	36.51%	8.46%	13.31%	12.37%	NAREIT U.S. Equity REITS	-0.20%	-0.20%	10.54%	4.14%	4.15%	6.61%
MSCI World Enhanced Value	7.03%	7.03%	21.67%	7.47%	8.42%	6.48%	NCREIF NFI - ODCE	-2.37%	-2.37%	-11.29%	3.37%	3.46%	6.76%
MSCI World Index Growth	10.28%	10.28%	31.48%	9.15%	15.36%	12.31%	FTSE Global Core Infrastructure Index	1.80%	1.80%	4.50%	2.88%	4.73%	6.69%
MSCIUSA Minimum Volatility (USD)	7.69%	7.69%	16.72%	8.29%	9.30%	11.00%	Private Equity						
MSCIUSA High Dividend Yield	8.14%	8.14%	16.36%	7.95%	8.82%	9.99%	Burgiss Private iQ Global Private Equity <sup>3</sup>			2.47%	19.41%	15.14%	14.53%
MSCIUSA Quality	12.92%	12.92%	39.31%	13.51%	17.32%	15.20%	MSCI Indices show net total returns th	roughout this r	eport. All othe	r indices show	gross total retui	rns.	
MSCIUSA Momentum	20.31%	20.31%	37.54%	7.16%	12.56%	13.72%	<sup>1</sup> Periods are annualized.						
MSCIUSA Enhanced Value	7.84%	7.84%	20.36%	4.99%	9.48%	8.93%	<sup>2</sup> Latest 5 months of HFR data are estimated by HFR and may change in the future.						
MSCIUSA Equal Weighted	8.23%	8.23%	22.39%	6.90%	11.58%	10.34%	<sup>3</sup> Burgiss Private iQ Global Private Equity data is as at J une 30, 2023						
MSCIUSA Growth	11.72%	11.72%	39.63%	11.86%	18.96%	16.04%	Source: Russell, MSCI, Bloomberg						

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## **Factor Indices**

### SHORT TERM RETURNS AS OF 03/31/2024

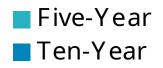


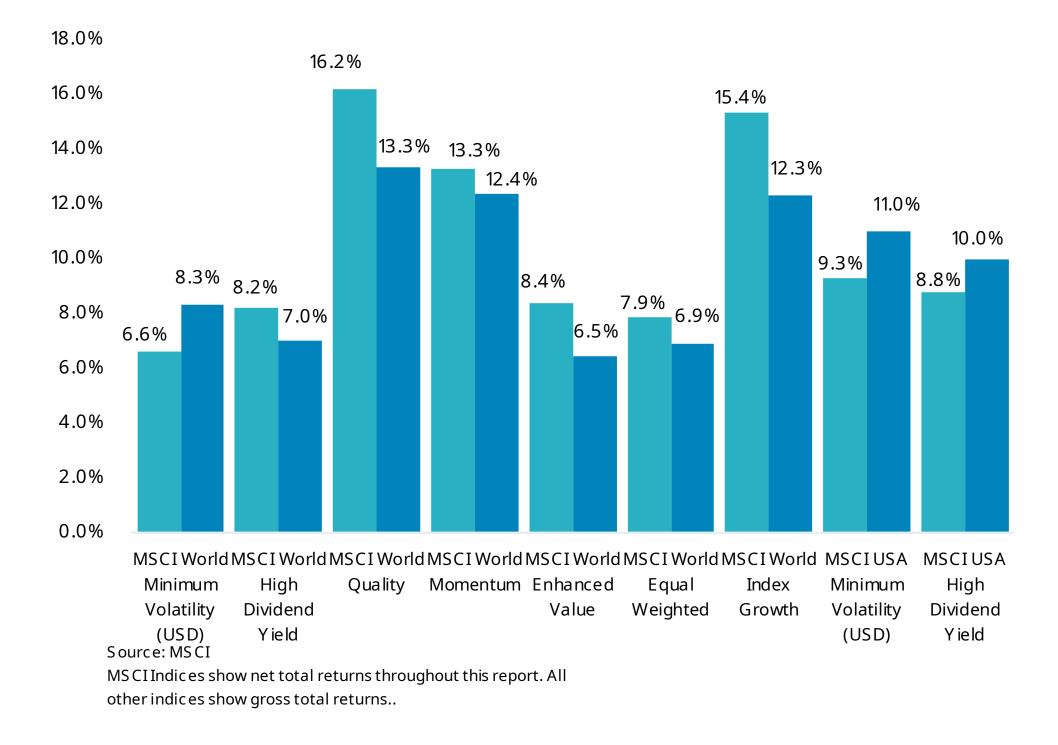
First Quarter 2024

One-Year

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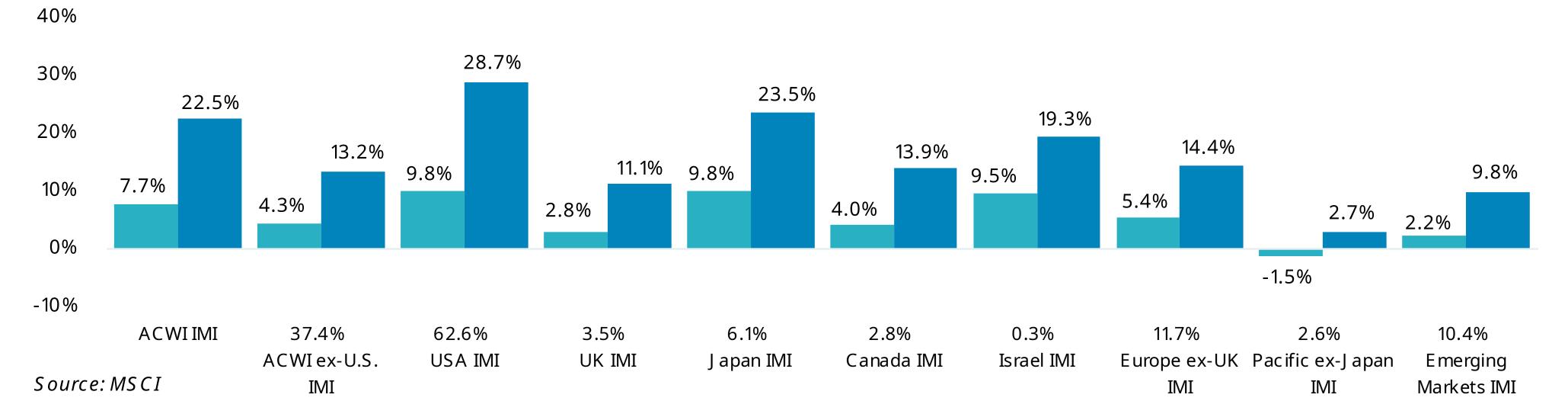






# **Global Equity Markets**

### GLOBAL MSCIIMIINDEX RETURNS (USD) AS OF 03/31/2024



- from 12.5 in the previous quarter, below its 20-year average of 19.1.
- coming from the Communication Services sector (14.3%).

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• In Q1 2024, global equity markets appreciated significantly. The S&P 500 Index surpassed the 5000 level for the first time, driven by a positive earnings season expectations, easing inflation data, signs of economic resilience, and rallies from the tech giants. Volatility rose slightly during the quarter as the CBOE Volatility Index (VIX) rose to 13 in Q1

First Quarter 2024

One-Year

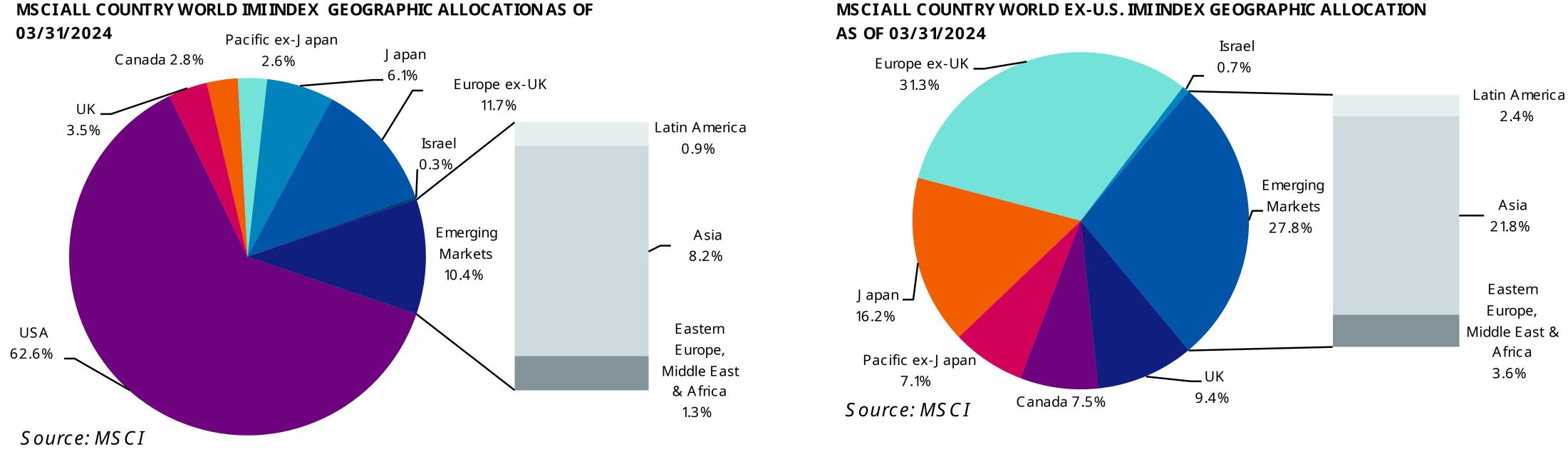
• Across international markets, all regions (except for Pacific ex-Japan) posted positive returns. U.S. equities posted strong returns over the quarter with major contributions

• Pacific ex-Japan IMI was the worst performer with a return of -1.5% over the quarter. Materials (-9.7%) and Real Estate (-2.8%) weighed over Pacific ex-Japan equities.



# **Global Equity Markets**

Below is the country/region breakdown of the global and intern the MSCI All Country World ex-U.S. IMI Index, respectively.

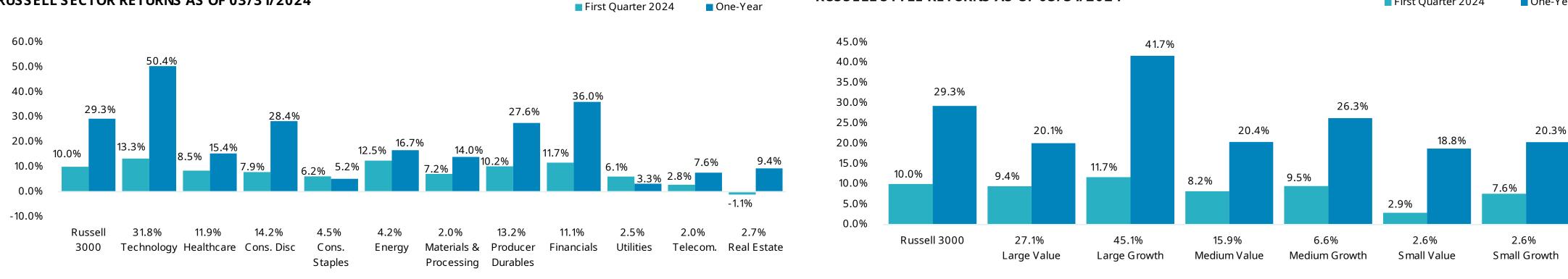


### Below is the country/region breakdown of the global and international equity markets as measured by the MSCI All Country World IMI Index and

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# **U.S. Equity Markets**

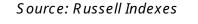
- U.S. equities had a positive quarter with the S&P 500 Index rising by 10.6% amidst anticipated interest rate cuts in 2024 and easing inflation.
- approval from the Republican-led House of Representatives.
- spending remains the main driver.
- The Russell 3000 Index rose 10.0% during the first quarter and 29.3% on a one-year basis. Technology (13.3%) and Energy (12.5%) were the best performers while Real Estate (-1.1%) and Telecommunications (2.8%) were the worst performers.
- value styles over the quarter.



### RUSSELL SECTOR RETURNS AS OF 03/31/2024

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RUSSELL STYLE RETURNS AS OF 03/31/2024

• On a style basis, growth outperformed value across market capitalizations over the quarter. Large-cap stocks outperformed Medium and Small-cap stocks in both growth and

• U.S. economic growth was 3.4% quarter-on-quarter at annualized rates in the fourth quarter, slightly higher than economists' forecasts of 3.3%. Continued growth in consumer

• U.S. President Joe Biden signed a \$1.2 trillion spending bill to avert a partial government shutdown. The bill will keep the U.S. government funded until September 2024. Meanwhile, the U.S. Senate approved a \$95 billion national security funding bill, which includes funding for Ukraine, Israel, and Taiwan. The bill's future is uncertain as it needs

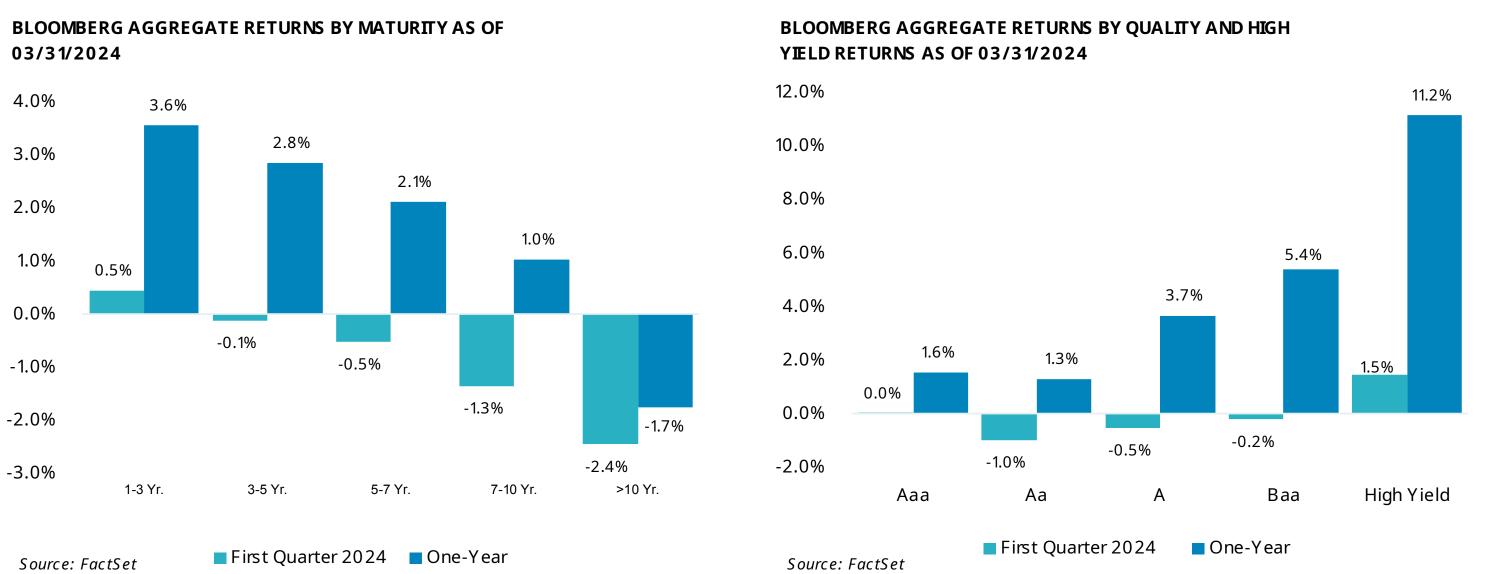




One-Year

First Quarter 2024

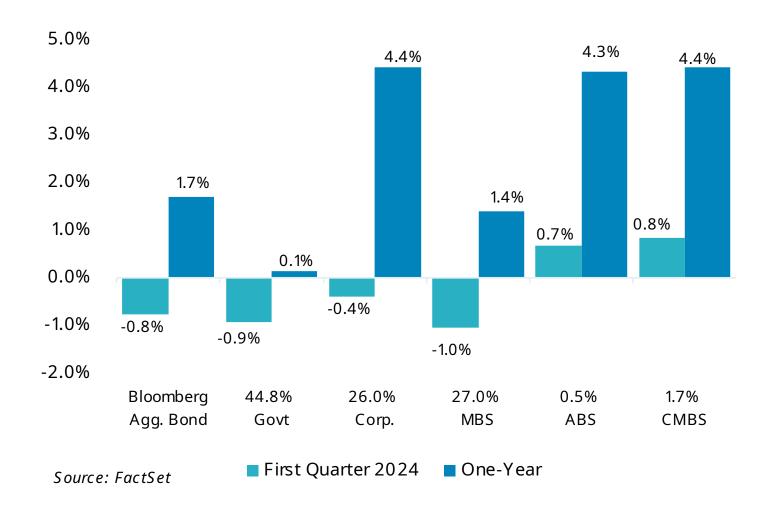
## **U.S. Fixed Income Markets**



- point cuts this year.
- The Bloomberg U.S. Aggregate Bond Index was down 0.8% over the quarter but was up 1.7% on a one-year basis.
- Across durations, all maturities (except for 1-3 years) finished the quarter in negative territory with longer maturities falling more.
- during the quarter. High yield bonds rose by 1.5%. On a one-year basis, high yield bonds outperformed indicating an increase in risk appetite.

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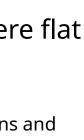
### **BLOOMBERG AGGREGATE RETURNS BY SECTOR** AS OF 03/31/2024



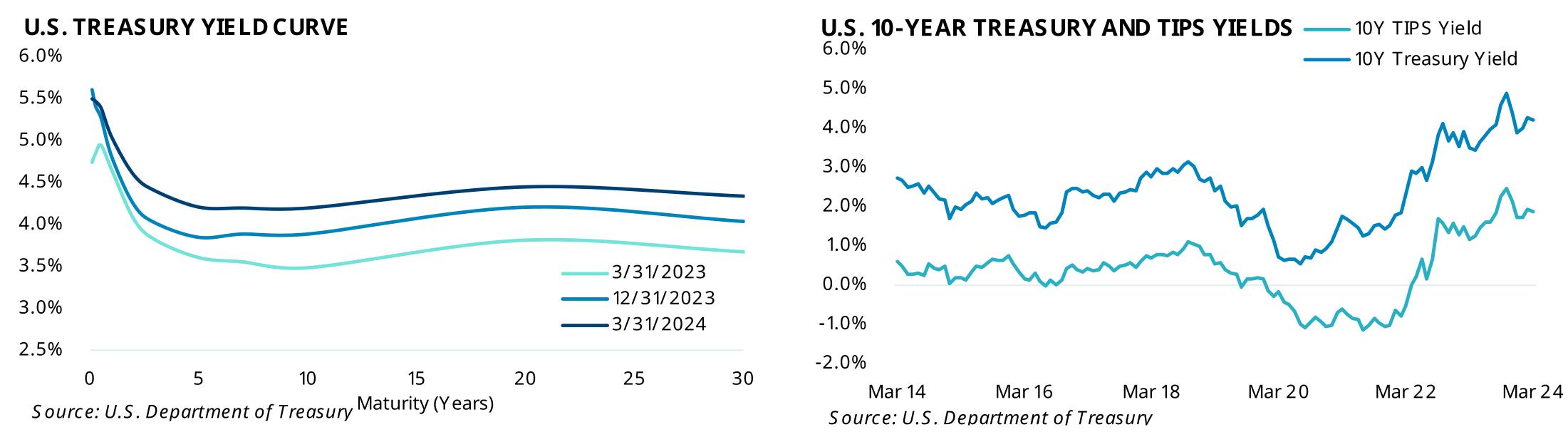
• The U.S. Federal Reserve (Fed) kept its interest rate unchanged at 5.25%-5.5%. The Federal Open Market Committee (FOMC) does not expect it will be appropriate to reduce the target range until it has gained greater confidence that inflation is moving sustainably towards 2%. According to the latest Fed "dot plot", the FOMC members see three, quarter-

• Within investment-grade bonds, higher-quality issues generally underperformed lower-quality issues, with Aa-rated bonds comparatively falling more. Aaa-rated bonds were flat





## **U.S. Fixed Income Markets**



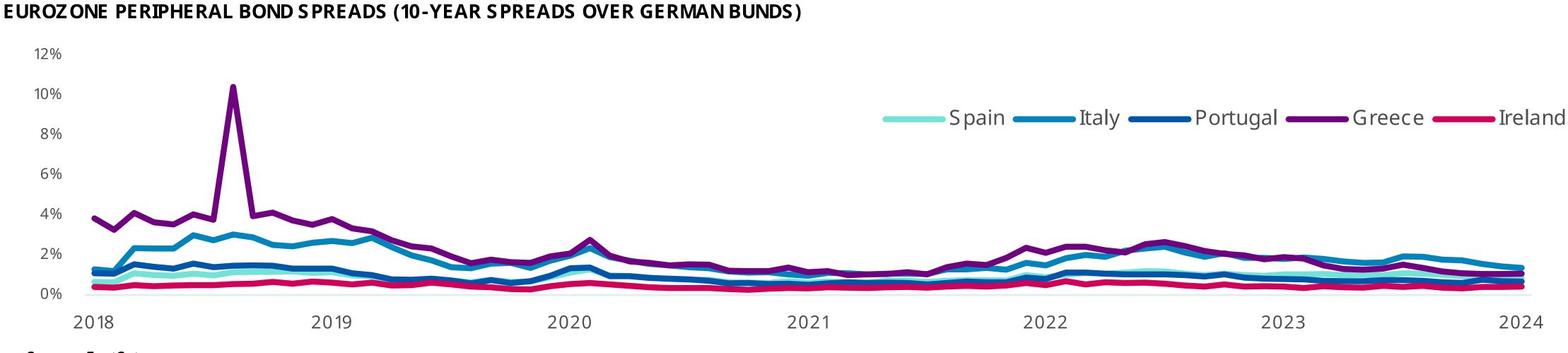
- to 4.2%, and the 30-year Treasury yield rose by 31bps to 4.34% over the quarter.
- from the previous month's 3.9% but higher than economists' expectations of 3.7%.
- The 10-year TIPS yield rose by 16bps over the quarter to 1.88%.

• U.S. Treasury yields generally rose across maturities as the yield curve shifted upwards over the quarter. The 10-year Treasury yield rose by 32bps

• U.S. headline consumer price inflation (CPI) increased to 3.2% year-on-year in February. It exceeded economists' expectations and the previous month's reading of 3.1%. Meanwhile, U.S. core inflation, which excludes energy and food prices, reduced to 3.8% year-on-year in February, down



## **European Fixed Income Markets**



Source: FactSet

- substantial contribution to this goal.
- 3.66%. Greek and Spanish government bond yields rose by 27bps and 20bps to 3.37% and 3.15%, respectively over the quarter.
- German bund yields rose by 30bps to 2.3% over the quarter.
- Core inflation slowed to 3.1% in the year to February, down from January's 3.3% but higher than economists' forecast of 2.9%.



European government bond spreads over 10-year German bunds generally narrowed across the Euro Area (except for Portugal and Ireland). The European Central Bank (ECB) kept its interest rate unchanged at an all-time high of 4.0% as it lowered its annual inflation forecast. The Governing Council (GC) is determined to ensure that inflation returns to its 2% medium-term target in a timely manner. Based on its current assessment, the GC considers restricting key ECB interest rates for a sufficiently long duration, will make a

• Irish and Portuguese government bond yields rose by 38bps and 37bps to 2.73% and 2.98%, respectively over the quarter while Italian government bond yields fell by 8bps to

• Eurozone headline inflation slowed as the CPI rose 2.6% year-on-year in February, down from the previous month's rate of 2.8% but higher than market expectations of 2.5%.

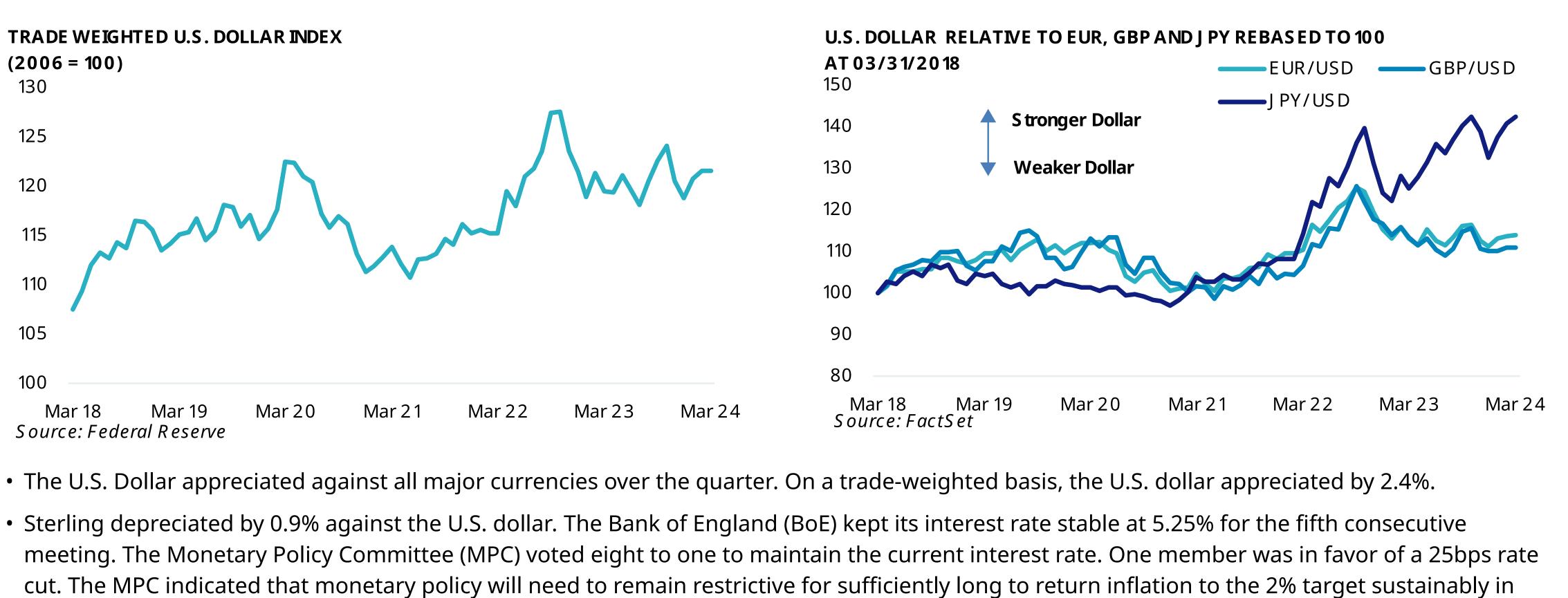
## **Credit Spreads**

Spread (bps)	3/31/2024	12/31/2023	3/31/2023	Quarterly Change (bps)	One-Year
U.S. Aggregate	39	42	57	-3	-18
Long Gov't	0	2	2	-2	-2
Long Credit	109	117	159	-8	-50
Long Gov't/Credit	57	62	86	-5	-29
MBS	49	47	63	2	- 14
CMBS	96	126	142	-30	-46
ABS	55	68	85	-13	-30
Corporate	90	99	138	-9	-48
High Yield	299	323	455	-24	-156
Global Emerging Markets FactSet, Bloomberg	260	294	352	-34	-92

- Credit markets rose amid increasing risk tolerance sentiment, with spreads generally narrowing.
- Global Emerging Markets and CMBS spreads narrowed by 34bps and 30bps, respectively. Meanwhile, MBS spreads widened by 2bps.

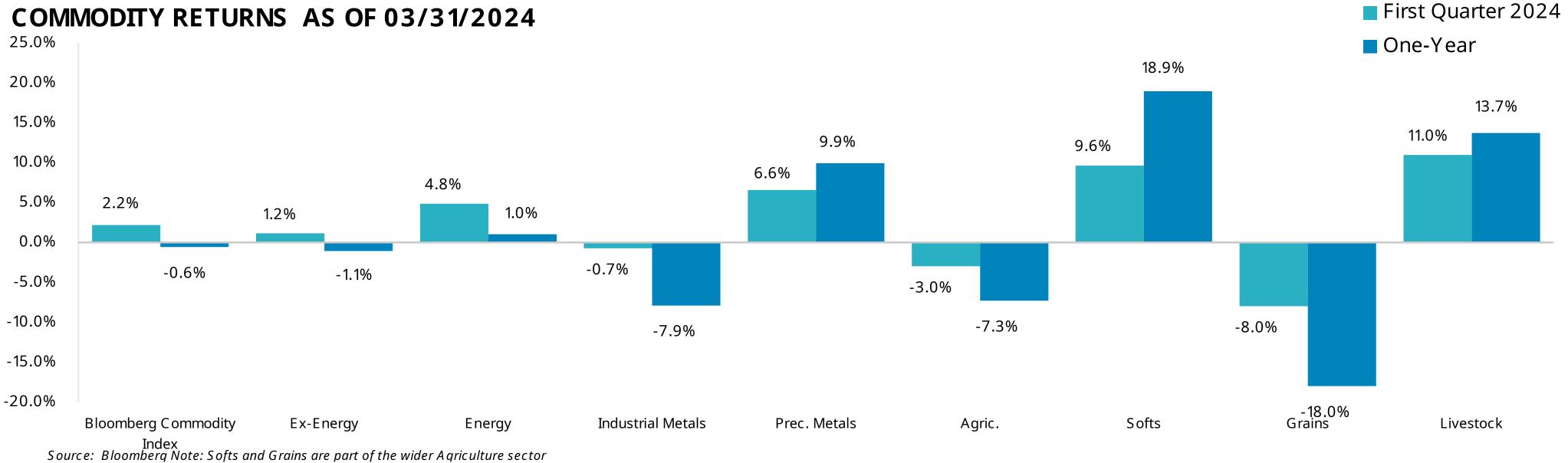


## Currency



- the medium term.
- The U.S. dollar appreciated by 2.3% against the euro and by 7.4% against the yen.

## Commodities



### COMMODITY RETURNS AS OF 03/31/2024

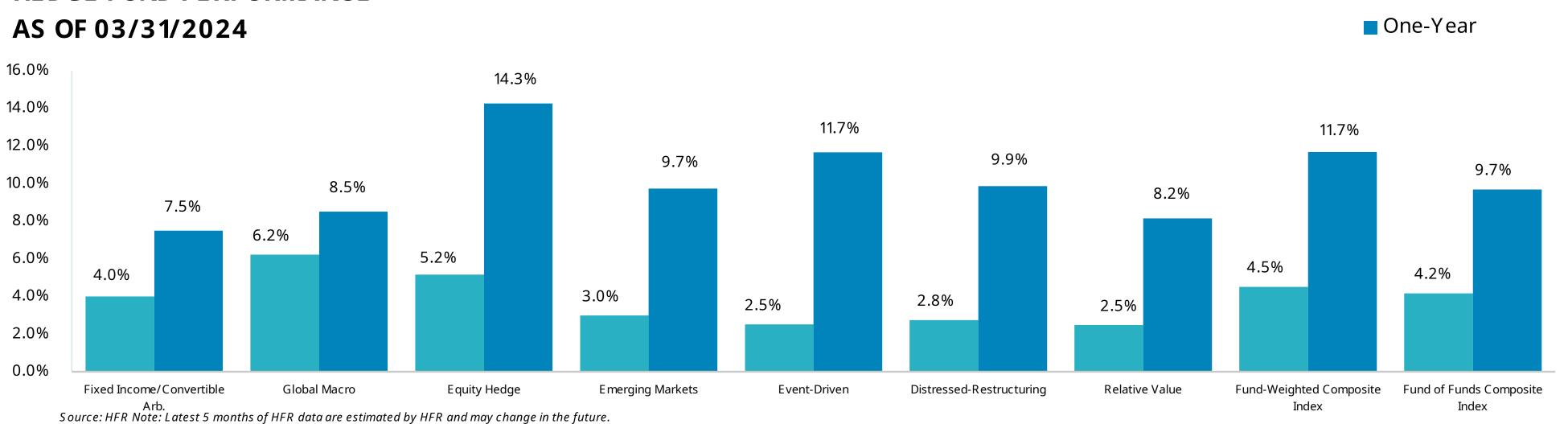
- Commodity prices rose over the quarter with the Bloomberg Commodity Index rising by 2.2% for the quarter.
- \$83/BBL.
- Livestock rose the most over the quarter at 11.0%.
- The grain sector was the worst performer with a return of -8.0% over the quarter.

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• The Energy sector was up by 4.8% over the quarter and 1% on a one-year basis. The price of WTI crude oil was significantly up by 16.1% to U.S.

## Hedge Funds Market Overview

## HEDGE FUND PERFORMANCE



- Hedge fund performance was positive over the quarter.
- Over the quarter, Global Macro was the best performer with a return of 6.2%.
- Relative Value was the worst performer with a return of 2.5% over the quarter.

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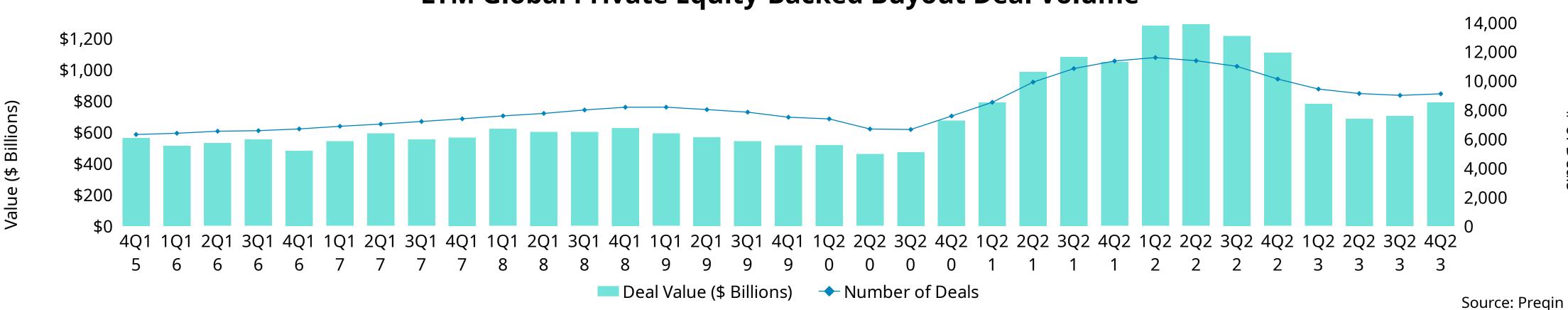
• The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of 4.5% and 4.2% over the quarter, respectively.

• On a one-year basis, Equity Hedge has outperformed all other strategies whilst Fixed Income/Convertible Arbitrage has performed the worst.

First Quarter 2024



# **Private Equity Overview — Fourth Quarter 2023**



- Dry powder stood at \$3.2 trillion at the end of the year, an increase of 15.9% and 39.4% compared to year-end 2022 and the five-year average, respectively.<sup>1</sup>
- value from 2,030 deals during 2022.<sup>1</sup>
- exits in 2022. This was meaningfully below the \$796.8 billion of exit value from 1,990 transactions during 2021.<sup>3</sup>

Sources: 1 Pregin 2 Pitchbook/LCD 3 PitchBook/NVCA Venture Monitor 4 Fitch Ratings 5 Jefferies Notes: FY=Fiscal year ended 12/31; YTD=Year to date; LTM=Last 12 months (aka trailing 12 months); PPM=Purchase Price Multiples: Total Purchase Price ÷ EBITDA.

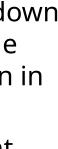
LTM Global Private Equity-Backed Buyout Deal Volume

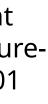
• Fundraising: In 2023, \$1.1 trillion was raised by 2,544 funds, which was a decrease of 14.4% on a capital basis and a decrease of 41.1% by number of funds over the prior year.

Buyout: Global private equity-backed buyout deals totaled \$788.6 billion in 2023, which was a decrease on a capital basis of 28.6% compared to 2022 but 30.6% higher compared to the five-year average.<sup>1</sup> During the year, the median purchase price multiple for all North American and European private equity buyouts was 10.9x EBITDA, down from 12.5x in 2022 and down from the five-year average (12.0x). The median purchase price multiple for North American PE buyouts ended the year at 11.8x EBITDA, while European LBO transactions ended the year at 10.2x EBITDA.2 Globally, buyout exit value totaled \$444.7 billion across 2,077 deals during the year, down from \$498.4 billion in

• Venture: During the year, an estimated 15,766 venture-backed transactions totaling \$170.6 billion were completed, which was a decrease on both a capital and deal count basis over the prior year's total of \$242.2 billion across 17,592 deals. This was also a decrease of 19.5% compared to the five-year average of \$212.0 billion. Total U.S. venturebacked exit value decreased during the year, totaling approximately \$61.5 billion across an estimated 1,129 completed transactions, compared to \$78.6 billion across 1,401

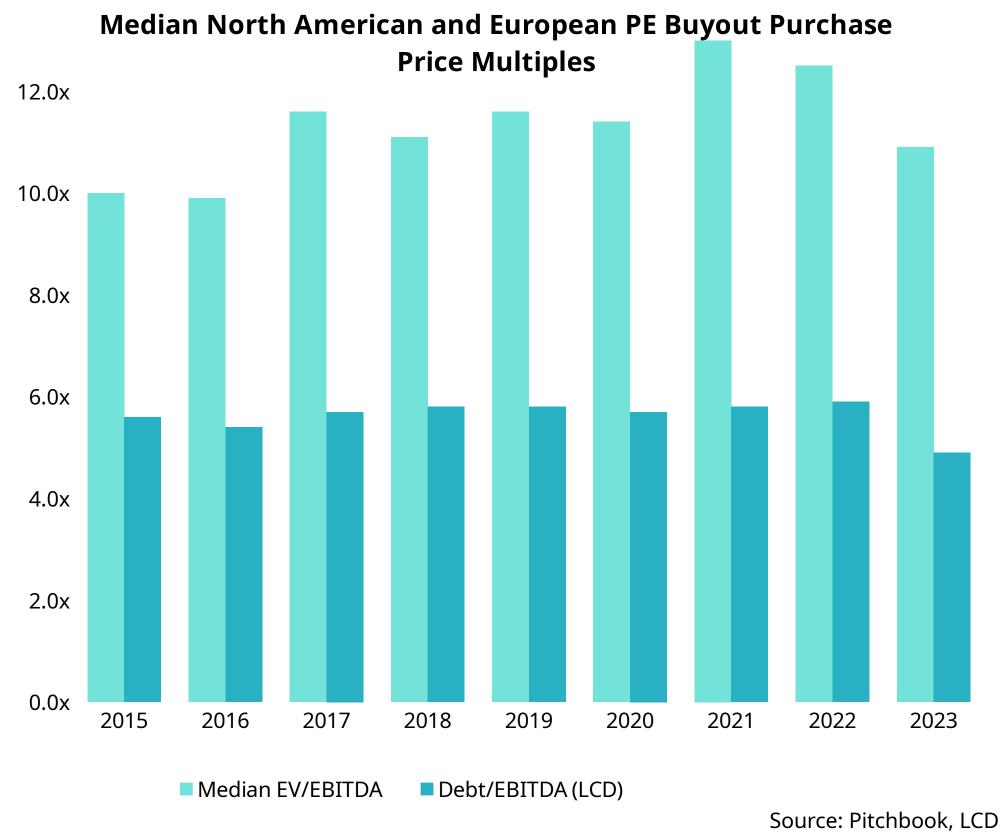








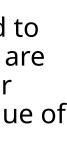
# Private Equity Overview (cont.)



Sources: 1 Pregin 2 Pitchbook/LCD 3 PitchBook/NVCA Venture Monitor 4 Fitch Ratings 5 Jefferies

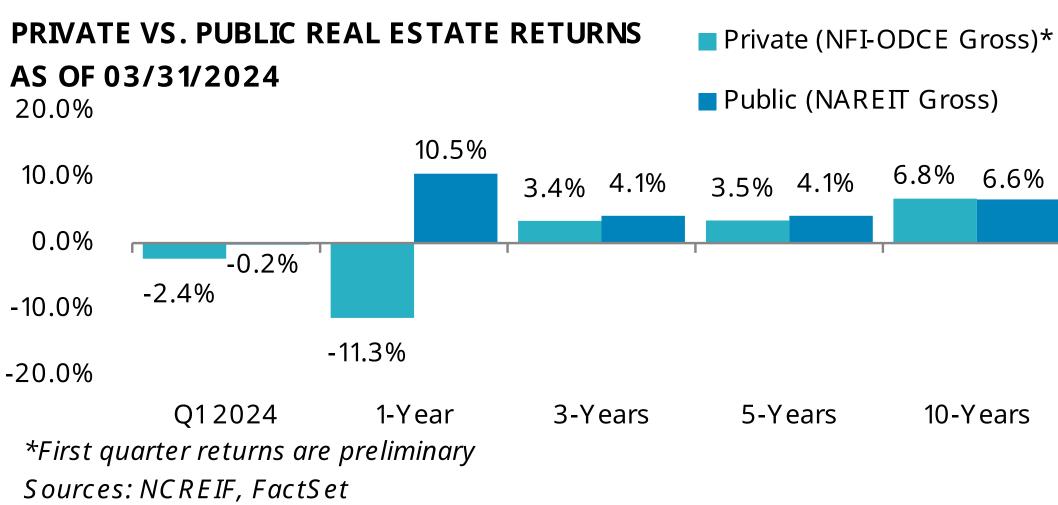
- Mezzanine: 28 funds closed on \$38.6 billion during the year. This was an increase from the prior year's total of \$27.1 billion raised by 52 funds and represented an increase of 72.6% from the five-year average of \$22.4 billion. Estimated dry powder was \$65.5 billion at the end of 2023, up from \$57.7 billion at the end of the prior year.<sup>1</sup>
- **Distressed Debt/Special Situations:** The TTM U.S. high-yield default rate was 3.0% as of December 2023, which was up from December 2022's TTM rate of 1.3%. Fitch expects the high-yield default rate to continue trending higher through 2024, with forecasted default rates of 5.0% to 5.5%.<sup>4</sup> During the year, \$53.2 billion was raised by 61 funds, down from the \$62.8 billion raised by 70 funds during 2022. Dry powder was estimated at \$164.0 billion at the end of Q4 2023, which was down 1.4% from Q4 2022. This remained above the five-year average level of \$142.1 billion.<sup>1</sup>
- **Secondaries:** 58 funds raised \$93.8 billion during 2023, up substantially from the \$36.2 billion raised by 70 funds in 2022. This was an increase compared to the fiveyear average of \$42.0 billion.<sup>1</sup> The average discount rate for LP buyout and venture capital portfolios finished the year at 9.0% and 32.0%, respectively.<sup>5</sup>
- **Infrastructure:** \$77.6 billion of capital was raised by 84 funds in 2023 compared to \$177.0 billion of capital raised by 159 partnerships in 2022. Infrastructure funds are staying in market longer, with 55.2% of closed funds fundraising for two years or more. Infrastructure managers completed 2,067 deals for an aggregate deal value of \$308.2 billion in 2023 compared to 2,652 deals totaling \$420.4 billion in 2022.1
- **Natural Resources:** During 2023, 27 funds closed on \$10.5 billion compared to 39 funds totaling \$5.7 billion in 2022. 277 energy and utilities deals were completed in 2023 totaling \$40.0 billion, an increase compared to 237 completed deals totaling \$36.7 billion in 2022.<sup>1</sup>



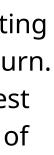


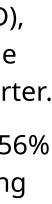


## **U.S. Commercial Real Estate Markets**

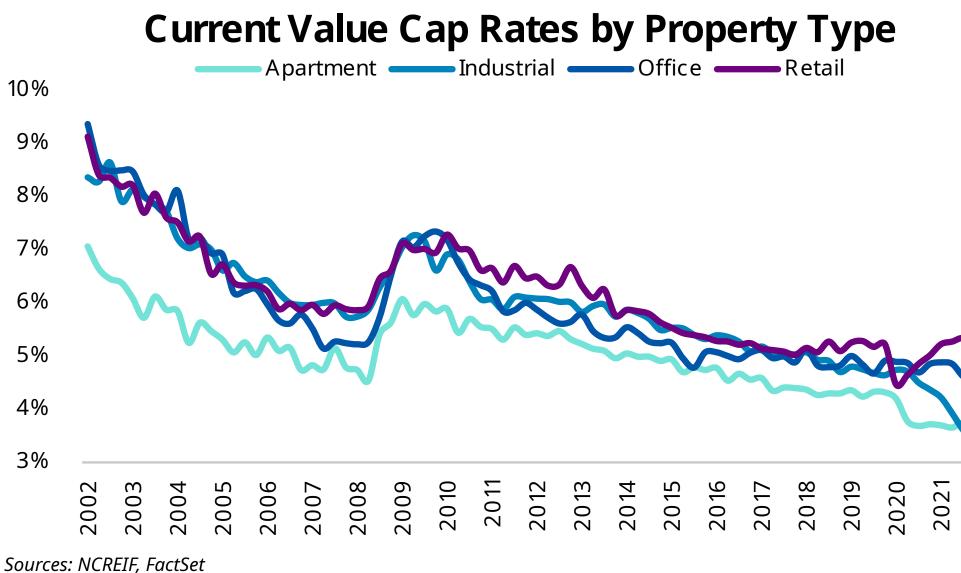


- U.S. Core Real Estate returned -3.2%\* gross return in the first quarter 2023, resulting in a -3.1% total gross return for the trailing one-year, including a 3.4% income return. Real estate capital markets have been impacted by the higher inflation and interest rate environment and resulting increased cost of capital. During the first quarter of 2023, REITs rebounded as inflationary pressures appeared to settle, and the perceived probability of fed funds rate cuts in 2023 increased.
  - Global property markets, as measured by the FTSE EPRA/NAREIT Developed Real Estate Index, returned 1.0% (USD) in aggregate during the first quarter and experienced a cumulative decline of 20.6% over the trailing 1-year period. REIT market performance during the quarter was driven by North America (+2.7% USD), with Europe (-2.8% USD) and Asia Pacific (-2.2% USD) lagging the global Index. The U.S. REIT markets (FTSE NAREIT Equity REITs Index) returned 2.7% in the first quarter.
  - In the first quarter of 2023, U.S. private real estate transaction volumes declined 56% from the first quarter of 2022 to \$85 billion. This decline is the culmination of rising interest rates, the availability of capital, and a perceived bid-ask spread.





## **U.S. Commercial Real Estate Markets**



- While capital markets have created significant near-term headwinds for nearly every asset class, we believe real estate fundamentals have remained generally promising, but also highly bifurcated. Even in the midst of moderating rent growth, Multifamily properties continue to experience near record-high occupancy and may be a net beneficiary of the eroding affordability of homeownership in this high interest rate environment. Industrial vacancy rates are amongst the lowest which supports continued NOI growth, helping offset pricing pressure as a result of rising cap rates.
- The retail and office sectors are facing significant headwinds over the near term. Retail real estate demand has seen modest recovery from occupiers, but the sector faces declining consumer confidence and purchasing power. Additionally, work-fromhome trends and a cooling labor market are impacting office space needs. Weakening demand and increasing sublease inventory have pushed occupancy rates down across the sector—although demand for high-quality assets in well-located markets has been more resilient than commodity product.
- Townsend has identified high conviction investment themes that are predicated on secular growth trends and strong underlying real estate market fundamentals. These investment themes have commonalities such as anticipated tenant demand growth, natural barriers to supply, and operating complexity that are anticipated to persist medium to long-term.

### **Appendix** Index Definitions

Index	Definition
MSCI AC World Index	The MSCI ACWI Index, MSCI's flagship glo developed and 24 emerging markets. As capitalization in each market.
MSCI All Country World Investable Market Index	A capitalization-weighted index of stocks investable large-, mid- and small-cap sect
MSCI World Index	A free float-adjusted market capitalization developed market country indices.
MSCI EAFE	The MSCI EAFE Index is an equity index want of an ada. With 783 constituents, the in
MSCI Emerging Markets	The MSCI Emerging Markets Index captu approximately 85% of the free float-adjustion of the free float-adjustic structures and the free float-adjustic structures are structures and the free float-adjustic structures are structures and the free float-adjustic structures are str
MSCI Emerging Markets Investable Market Index	A capitalization-weighted index of stocks
MSCI Factor indexes	These are rules-based indexes that captu Value, Low Size, Low Volatility, High Yield,
MSCI USA Value/Growth	The MSCI USA Value/Growth Index capture characteristics for index construction are investment style characteristics for index internal growth rate and long-term histor
Dow Jones U.S. Total Stock Market Index	A capitalization-weighted index of stocks
S&P 500	The S&P 500® is widely regarded as the bincludes 500 leading companies and capt
S&P GSCI	A world-production weighted index that i
Russell 3000 Index	The Russell 3000 Index is a market-capita
Russell 2000 Index	The Russell 2000 Index measures the per representing approximately 10% of the to their market cap and current index mem
Bank of America Merrill Lynch U.S. Corporate Index	An unmanaged index considered represe
Bank of America Merrill Lynch U.S. High Yield Index	An unmanaged index considered represe

lobal equity index, is designed to represent performance of the full opportunity set of large- and mid-cap stocks across 23 s of May 2022, it covers more than 2,933 constituents across 11 sectors and approximately 85% of the free float-adjusted market

s representing approximately 49 developed and emerging countries, including the U.S. and Canadian markets and covering all curities.

on weighted index that is designed to measure the equity market performance of developed markets, representing 24

which captures large and mid-cap representation across 21 Developed Markets countries\* around the world, excluding the US index covers approximately 85% of the free float-adjusted market capitalization in each country.

ures large and mid-cap representation across 24 Emerging Markets (EM) countries. With 1,441 constituents, the index covers usted market capitalization in each country.

s representing approximately 26 emerging countries, and covering all investable large-, mid- and small-cap securities.

ure the returns of systematic factors that have historically earned a persistent premium over long periods of time—such as d, Quality and Momentum and Growth.

ures U.S. large and mid cap securities exhibiting overall value/growth style characteristics. The value investment style e defined using three variables: book value to price, 12-month forward earnings to price and dividend yield. The growth x construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current prical EPS growth trend and long-term historical sales per share growth trend.

s representing all U.S. equity eligible securities.

best single gauge of large-cap U.S. equities and serves as the foundation for a wide range of investment products. The index otures approximately 80% coverage of available market capitalization.

is based on the average quantity of production of each commodity in the index.

alization-weighted equity index that seeks to track 3000 of the largest U.S.-traded stocks.

erformance of the small-cap segment of the U.S. equity universe. The Russell 2000 Index is a subset of the Russell 3000® Index total market capitalization of that index. It includes approximately 2000 of the smallest securities based on a combination of nbership.

sentative of fixed-income obligations issued by U.S. corporates.

sentative of sub-investment grade fixed-income obligations issued by U.S. corporates.

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### **Appendix** Index Definitions

Index	Definition
Bloomberg U.S. Government Index	An unmanaged index considered represe
Bloomberg Long Credit Index	An unmanaged index considered represe
Bloomberg Global Aggregate Index	The Bloomberg Global Aggregate Index is markets. This multi-currency benchmark i both developed and emerging markets is
Bloomberg U.S. Aggregate Index	The Bloomberg US Aggregate Bond Index market. The index includes Treasuries, go
Bloomberg U.S. TIPS Index	The Index measures the performance of t
JP Morgan EMBI Global	The J.P.Morgan Emerging Markets Bond In expanded version of the JPMorgan EMBI+
Bloomberg Commodity Index	The Bloomberg Commodity Index is a bro
HFRI Fund Weighted Composite	The HFRI Fund Weighted Composite Index of all fees performance in US Dollar and h active performance. The HFRI Fund Weigh
HFRI Fund of Funds	HFR FOF Indices are comprised of funds the volatility fund of funds.
FTSE NARIET	The FTSE Nareit U.S. Real Estate Index Ser
NCREIF NFI-ODCE	The NFI-ODCE, like the NCREIF Property Ir which is defined as beginning market valu
FTSE Global Core Infrastructure	The FTSE Infrastructure Index Series is a comperformance of infrastructure and infrast

entative of fixed-income obligations issued by the U.S. government.

entative of long duration fixed-income obligations issued by U.S. corporates.

is a flagship measure of global investment grade debt from twenty-eight local currency k includes treasury, government-related, corporate and securitized fixed-rate bonds from issuers.

ex is a broad-based flagship benchmark that measures the investment grade, US dollar denominated, fixed-rate taxable bond jovernment-related and corporate securities, fixed rate agency MBS, ABS and CMBS (agency and non-agency).

f the U.S. treasury inflation linked bond market.

Index Global ("EMBI Global") tracks total returns for traded external debt instruments in the emerging markets and is an I+.

roadly diversified commodity price index distributed by Bloomberg Index Services Limited.

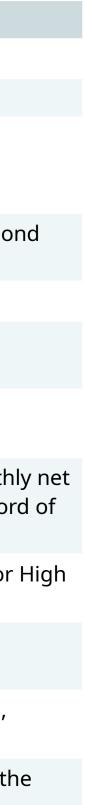
ex is a global, equal-weighted index of single-manager funds that report to HFR Database. Constituent funds report monthly net have a minimum of \$50 Million under management or \$10 Million under management and a twelve (12) month track record of ghted Composite Index does not include Funds of Hedge Funds.

that are constituents of the HFRI 500 Index and are designed to synthetically (S) represent the performance of Low, Mid or High

eries tracks the performance of the U.S. REIT industry at both an industry-wide level and on a sector-by-sector basis.

Index (NPI) and other stock and bond indices, is a capitalization-weighted index based on each fund's net invested capital, alue net assets (BMV), adjusted for weighted cash flows (WCF) during the period.

comprehensive set of nine cap-weighted indices, diversified across six FTSE-defined infrastructure sub-sectors, to reflect the structure-related listed securities worldwide.



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Aon Investments USA Inc. 200 E. Randolph Street Suite 700 Chicago, IL 60601 ATTN: Aon Investments Compliance Officer

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