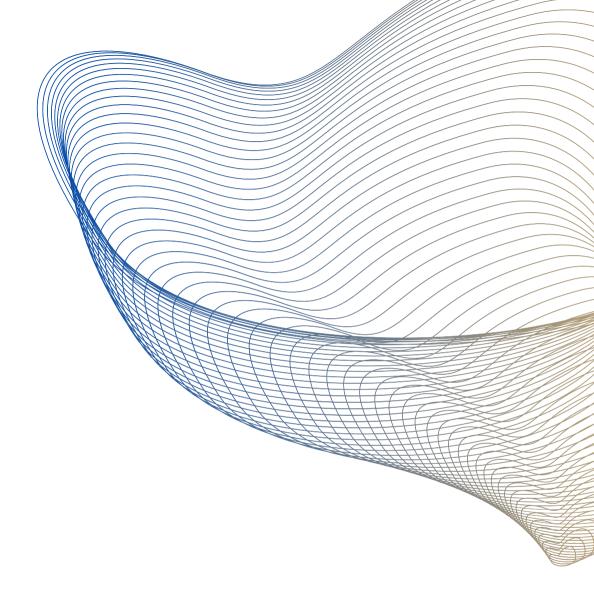
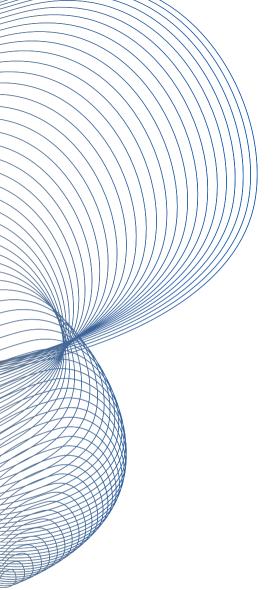




Quarterly Market Review
First Quarter 2023







Overview

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

Market Summary

World Stock Market Performance

US Stocks

<u>International Developed Stocks</u>

Emerging Markets Stocks

Country Returns

Real Estate Investment Trusts (REITs)

Commodities

Fixed Income

Global Fixed Income

<u>Quarterly Topic: When Headlines Worry You, Bank</u>

on Investment Principles

Quarterly Market Summary

Index returns



	US Stock Market	International Developed Stocks	Emerging Markets Stocks	Global Real Estate	US Bond Market	Global Bond Market ex US
Q1 2023		STO	ВО	NDS		
	7.18%	8.02%	3.96%	1.37%	2.96%	2.86%

Since Jan. 2001						
Average Quarterly Return	2.2%	1.5%	2.5%	2.2%	0.9%	0.9%
Best Quarter	22.0%	25.9%	34.7%	32.3%	4.6%	4.6%
	2020 Q2	2009 Q2	2009 Q2	2009 Q3	2001 Q3	2008 Q4
Worst Quarter	-22.8%	-23.3%	-27.6%	-36.1%	-5.9%	-4.1%
	2008 Q4	2020 Q1	2008 Q4	2008 Q4	2022 Q1	2022 Q1

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]), US Bond Market (Bloomberg US Aggregate Bond Index), and Global Bond Market ex US/Bloomberg Global Aggregate ex-USD Bend-Index [net dividends]), US Bond Market (Bloomberg US Aggregate Bond Index), and Global Bond Market ex US/Bloomberg Global Aggregate ex-USD Bend-Index [net dividends]), S&P data © 2023 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 © MSCN 2023, all rights reserved. Bloomberg data provided by Bloomberg.

Long-Term Market Summary Index returns as of March 31, 2023



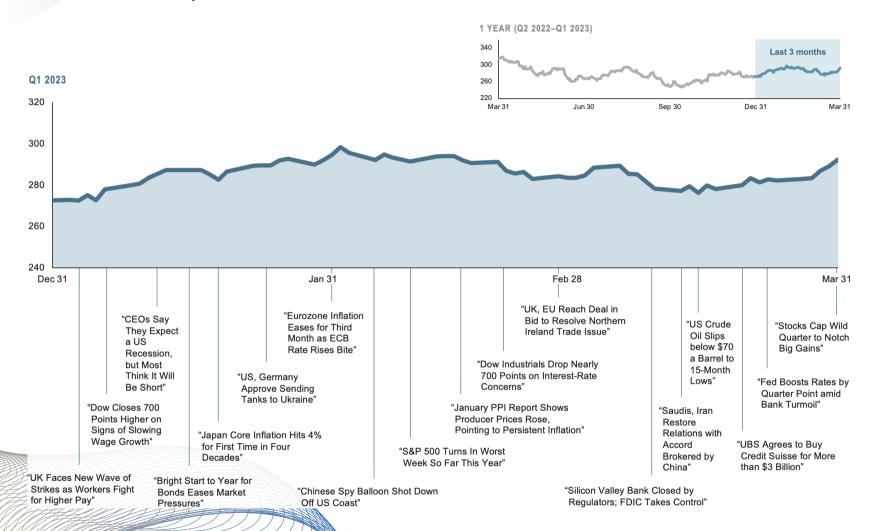
	US Stock Market	International Developed Stocks	Emerging Markets Stocks	Global Real Estate	US Bond Market	Global Bond Market ex US
1 Year		STO	CKS		BOI	NDS
	-8.58%	-2.74%	-10.70%	-20.29%	-4.78%	-3.27%
5 Years						
	10.45%	3.80%	-0.91%	2.41%	0.91%	0.90%
10 Years	-		-			
	11.73%	4.91%	2.00%	3.26%	1.36%	2.28%

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World Stock Market Performance



MSCI All Country World Index with selected headlines from Q1 2023

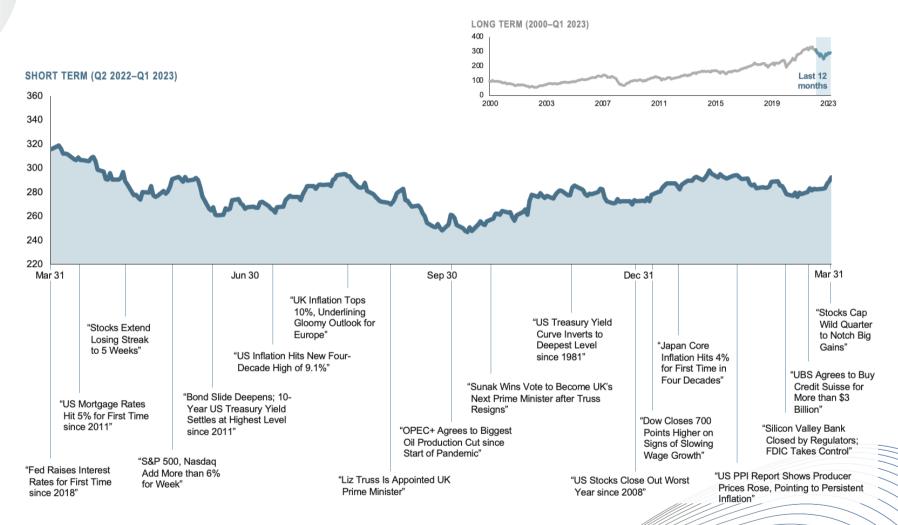


These headlines are not offered to explain market returns. Instead, they serve as a reminder that investors should view daily events from a long-term perspective and avoid making investment decisions based solely on the news.

World Stock Market Performance



MSCI All Country World Index with selected headlines from past 12 months



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.

US Stocks

First quarter 2023 index returns



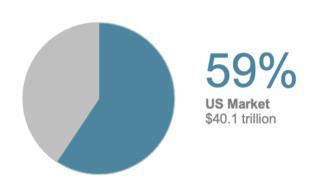
The US equity market posted positive returns for the quarter and underperformed non-US developed markets, but outperformed emerging markets.

Value underperformed growth.

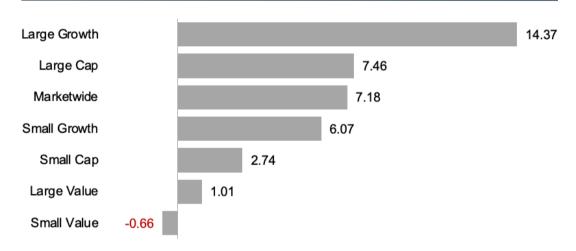
Small caps underperformed large caps.

REIT indices underperformed equity market indices.

World Market Capitalization—US



Ranked Returns (%)



Period Returns (%)

			Annualized				
Asset Class	QTR	1 Year	3 Years	5 Years	10 Years		
Large Growth	14.37	-10.90	18.58	13.66	14.59		
Large Cap	7.46	-8.39	18.55	10.87	12.01		
Marketwide	7.18	-8.58	18.48	10.45	11.73		
Small Growth	6.07	-10.60	13.36	4.26	8.49		
Small Cap	2.74	-11.61	17.51	4.71	8.04		
Large Value	1.01	-5.91	17.93	7.50	9.13		
Small Value	-0.66	-12.96	21.01	4.55	7.22		

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International Developed Stocks

First quarter 2023 index returns



Developed markets outside of the US posted positive returns for the quarter and outperformed both US and emerging markets.

Value underperformed growth.

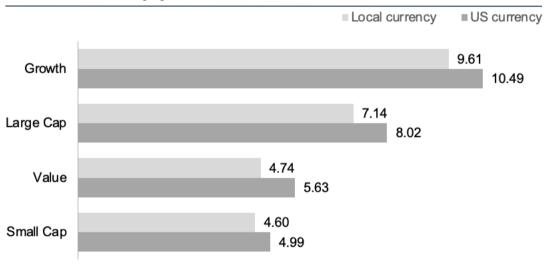
Small caps underperformed large caps.

World Market Capitalization—US





Ranked Returns (%)



Period Returns (%)

			Annualized				
Asset Class	QTR	1 Year	3 Years	5 Years	10 Years		
Growth	10.49	-4.04	11.15	4.96	5.77		
Large Cap	8.02	-2.74	13.49	3.80	4.91		
Value	5.63	-1.85	15.32	2.18	3.80		
Small Cap	4.99	-10.13	13.43	1.54	5.54		

Past performance is not a guarantee of tuture results: Indices are not gualitate for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Market segment (index representation) as follows: Marketwider (Russell 3000 Index); Large Cop (Russell 1000 Index), Large Value (Russell 1000 Value Index), Large Growth (Russell 1000 Growth Index), Small Cap (Russell 2000 Index), Small Cap

Emerging Markets Stocks

First quarter 2023 index returns

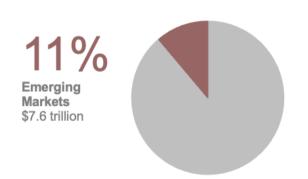


Emerging markets posted positive returns for the quarter and underperformed both US and non-US developed markets.

Value underperformed growth.

Small caps underperformed large caps.

World Market Capitalization—US



Ranked Returns (%)



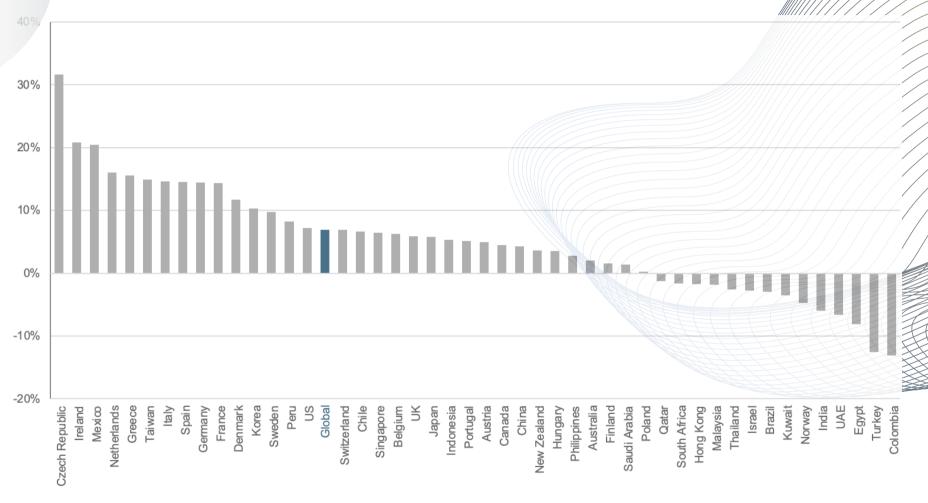
Period Returns (%)

Asset Class	QTR	1 Year	3 Years	5 Years	10 Years
Growth	4.00	-11.87	5.65	-0.79	3.18
Large Cap	3.96	-10.70	7.83	-0.91	2.00
Value	3.91	-9.44	10.04	-1.15	0.69
Small Cap	3.87	-10.99	20.68	1.80	3.18

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Country Returns

Second quarter 2023 index returns



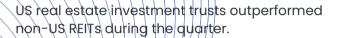
Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Market segment (index representation) as follows: Marketwide (Russell 3000 Index), Large Cap (Russell 1000 Value Index), Large Growth (Russell 1000 Growth Index), Small Gap (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 2023, all rights reserved. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes.



Real Estate Investment Trusts (REITs)



First quarter 2023 index returns



World Market Capitalization—US



Ranked Returns (%)



Period Returns (%)

			Annualized		
Asset Class	QTR	1 Year	3 Years	5 Years	10 Years
US REITS	2.77	-20.98	11.32	4.66	5.31
Global ex US REITS	-0.90	-20.93	4.83	-2.06	0.79

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Commodities

First quarter 2023 index returns



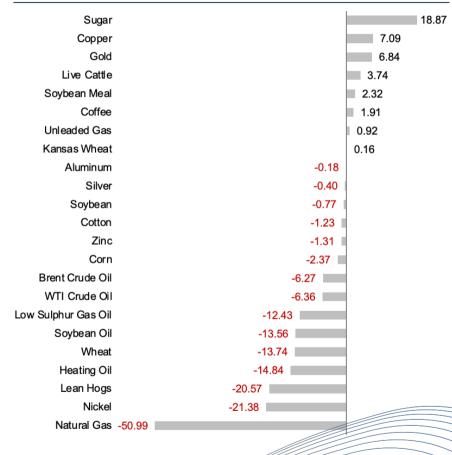
Natural Gas and Nickel were the worst performers, returning -50.99% and -21.38% during the quarter, respectively. Sugar and Copper were the best performers, returning +18.87% and +7.09% during the quarter, respectively.

Period Returns (%)

			Annualized				
Asset Class	QTR	1 Year	3 Years	5 Years	10 Years		
Commodities	-5.36	-12.49	20.82	5.36	-1.72		



Ranked Returns (%)



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Market segment (index representation) as follows: US Stock Market (Russell 3000 Index), International Developed Stocks (MSCI World ex USA Index [pst dividends]), Emerging Markets (MSCI-Emerging Markets Index [net dividends]), US Bond Market (Bloomberg US Aggregate Bond Index), and Global Bond Market ex US (Bloomberg Global Aggregate ex USD Bend-Index [nedged to USD]). S&P data 2023

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Fixed Income

First quarter 2023 index returns



Within the US Treasury market during the first quarter of 2023, interest rates generally increased in the ultrashort-term segment and decreased in the short- to long-term segment.

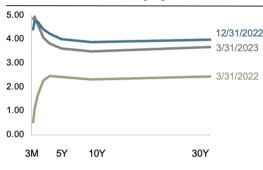
On the short end of the yield curve, the 1-Month US Treasury Bill yield increased 62 basis points (bps) to 4.74%, while the 1-Year US Treasury Bill yield decreased 9 bps to 4.64%. The yield on the 2-Year US Treasury Note decreased 35 bps to 4.06%.

The yield on the 5-Year US Treasury Note decreased 39 bps to 3.60%. The yield on the 10-Year US Treasury Note decreased 40 bps to 3.48%. The yield on the 30-Year US Treasury Bond decreased 30 bps to 3.67%.

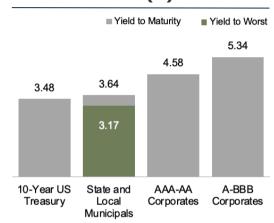
In terms of total returns, short-term US treasury bonds returned +1.87% while intermediate-term US treasury bonds returned +2.27%. Short-term corporate bonds returned +1.68% and intermediate-term corporate bonds returned +2.50%.1

The total returns for short- and intermediateterm municipal bonds were +1.37% and +2.35%, respectively. Within the municipal fixed income market, general obligation bonds returned +2.59% while revenue bonds returned +2.96%.2





Ranked Returns (%)



Ranked Returns (%)

				Annualized	
Asset Class	QTR	1 Year	3 Years	5 Years	10 Years
Bloomberg U.S. Government Bond Index Long	6.16	-15.94	-11.25	-0.36	1.44
Bloomberg U.S. High Yield Corporate Bond Index	3.57	-3.34	5.91	3.21	4.10
Bloomberg U.S. TIPS Index	3.34	-6.06	1.75	2.94	1.49
Bloomberg U.S. Aggregate Bond Index	2.96	-4.78	-2.77	0.91	1.36
Bloomberg Municipal Bond Index	2.78	0.26	0.35	2.03	2.38
FTSE World Government Bond Index 1-5 Years	2.08	-3.38	-1.99	-1.06	-0.71
FTSE World Government Bond Index 1-5 Years (hedged to USD)	1.81	-0.40	-0.89	1.06	1.14
ICE BofA 1-Year US Treasury Note Index	1.25	1.02	0.08	1.29	0.85
ICE BofA US 3-Month Treasury Bill Index	1.07	2.50	0.89	1.41	0.87

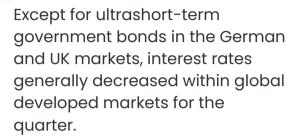
One basis point (bps) equals 0.01%. Past performance is not a guarantee of future results. Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Yield curve data from Federal Reserve. State and local bonds and the Yield to Worst are from the S&P National AMT-Free Municipal Bond Index. AAA-AA Corporates represent the ICE BofA 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) Hearbook**, bloomberg. Chicago (annually updated work by Roger G. libotson and Rex A. Sinquefield). FTSE fixed income indices 2023 FTSE Fixed income LLC, all rights reserved. JCE BofA index data 2023 ICE Data Indices, LLC. S&P data 2023 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. Bloomberg.

^{1.} Bloomberg US Treasury and US Corporate Bond Indices.

^{2.} Bloomberg Municipal Bond Index.

Global Fixed Income

First quarter 2023 yield curves

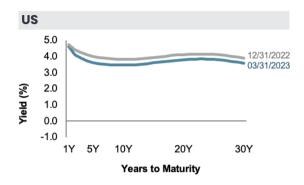


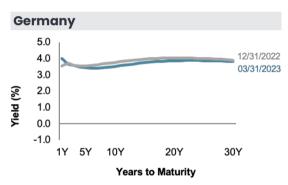
Realized term premiums were positive in global developed markets.

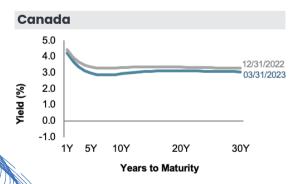
In Japan, ultrashort-term nominal interest rates were negative. In Germany, the UK, Canada, and Australia the short-term segment of the yield curve was inverted.

Changes in Yields (bps) since 12/31/2022

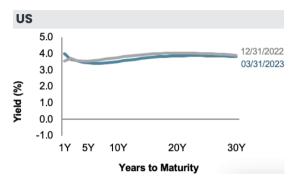
	1Y	5Y	10Y	20Y	30Y
US	-11.4	-37.9	-34.8	-31.3	-32.2
UK	44.6	-13.5	-24.6	-17.0	-8.8
Germany	56.9	-15.6	-19.5	-11.5	-8.0
Japan	-13.0	-15.9	-15.5	-25.7	-27.0
Canada	-20.3	-39.9	-38.8	-22.7	-22.5
Australia	-19.4	-65.3	-73.3	-61.7	-54.6

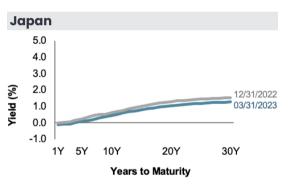


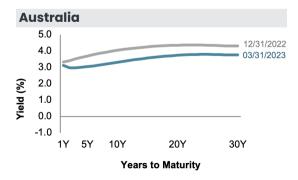












One pasis point (bps) equals 0,01%, source: CE BotA government yield. ICE BotA Index (actor) 2023 ICE Data Indices, LLC.

When Headlines Worry You, Bank on Investment Principles



First quarter 2023
Dimensional Fund Advisors

On Friday, March 10, regulators took control of Silicon Valley Bank as a run on the bank unfolded. Two days later, regulators took control of a second lender, Signature Bank. With increasing anxiety, many investors are eyeing their portfolios for exposure to these and other regional banks.

Rather than rummaging through your portfolio looking for trouble when headlines make you anxious, turn instead to your investment plan. Hopefully, your plan is designed with your long-term goals in mind and is based on principles that you can stick with, given your personal risk tolerances. While every investor's plan is a bit different, ignoring headlines and focusing on the following time-tested principles may help you avoid making shortsighted missteps.

1. Uncertainty Is Unavoidable

Remember that uncertainty is nothing new and investing comes with risks. Consider the events of the last three years alone: a global pandemic, the Russian invasion of Ukraine, spiking inflation, and ongoing recession fears. In other words, it may have seemed as if there were plenty of reasons to panic. Despite these concerns, for the three years ending February 28, 2023, the Russell 3000 Index (a broad market-capitalization-weighted index of public US companies) returned an annualized 11.79%,

slightly outpacing its average annualized returns of 11.65% since inception in January 1979. The past three years certainly make a case for weathering short-term ups and downs and sticking with your plan.

2. Market Timing Is Futile

Inevitably, when events turn bleak and headlines warn of worse to come, some investors' thoughts turn to market timing. The idea of using short-term strategies to avoid near-term pain without missing out on long-term gains is seductive, but research repeatedly demonstrates that timing strategies are not effective. The impact of miscalculating your timing strategy can far outweigh the perceived benefits.

3. "Diversification Is Your Buddy"

Nobel laureate Merton Miller famously used to say, "Diversification is your buddy." Thanks to financial innovations over the last century in the form of mutual funds, and later ETFs, most investors can access broadly diversified investment strategies at very low costs. While not all risks—including a systemic risk such as an economic recession—can be diversified away (see Principle I above), diversification is still an incredibly effective tool for reducing many risks investors face.

1. Laura Saunders, "Your Child Picked a College! Tee Up Your 529 Plan," Wall Street Journal, May 5, 2023.
2. In US dollars. Based on S&P 500 Index annual returns, 1926–2022. S&P data © 2023 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved, Indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio.

When Headlines Worry You, Bank on Investment Principles



First quarter 2023 (continued from page 15)

In particular, diversification can reduce the potential pain caused by the poor performance of a single company, industry, or country. As of February 28, Silicon Valley Bank (SIVB) represented just 0.04% of the Russell 3000, while regional banks represented approximately 1.70%. For investors with globally diversified portfolios, exposure to SIVB and other US-based regional banks likely was significantly smaller. If buddying up with diversification is part of your investment plan, headline moments can help drive home the long-term benefits of your approach.

When the unexpected happens, many investors feel like they should be doing something with their portfolios. Often, headlines and pundits stoke these sentiments with predictions of more doom and gloom. For the long-term investor, however, planning for what can happen is far more powerful than trying to predict what will happen.

l. Consider that a study of single stock performance in the US from 1927 to 2020 illustrated that the survival of any given stock is far from guaranteed. The study found that on average for 20-year rolling periods, about 18% of US stocks went through a "bad" delisting. The authors note that delisting events can be "good" or "bad" depending on the experience for investors. For example, a stock delisting due to a merger would be a good delist, as the shareholders of that stock would be compensated during the acquisition. On the other hand, a firm that delists due to its deteriorating financial condition would be a bad delist since it is an adverse outcome for investors. Given these results, there is a good case to avoid concentrated exposure to a single company. Source: "Singled Out: Historical Performance of Individual Stocks" (Dimensional Fund Advisors, 2022).

2. Regional banks weight reflects the weight of the "Regional Banks" GICS Sub-Industry. GICS was developed by and is the exclusive property of MSCI and S&P Dow Jones Indices LLC, a division of S&P Global.

Investments involve risks. The investment return and principal value of an investment may fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original value. Past performance is not a guarantee of future results. There is no guarantee strategies will be successful. Diversification neither assures a profit nor guarantees against loss in a declining market. Past performance is not a guarantee of future results. Indices are not available for direct investment; therefore, their performance does not reflect the expenses associated with the management of an actual portfolio.

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