



The Bear & Bull Dilemma

An Economic and Market Outlook



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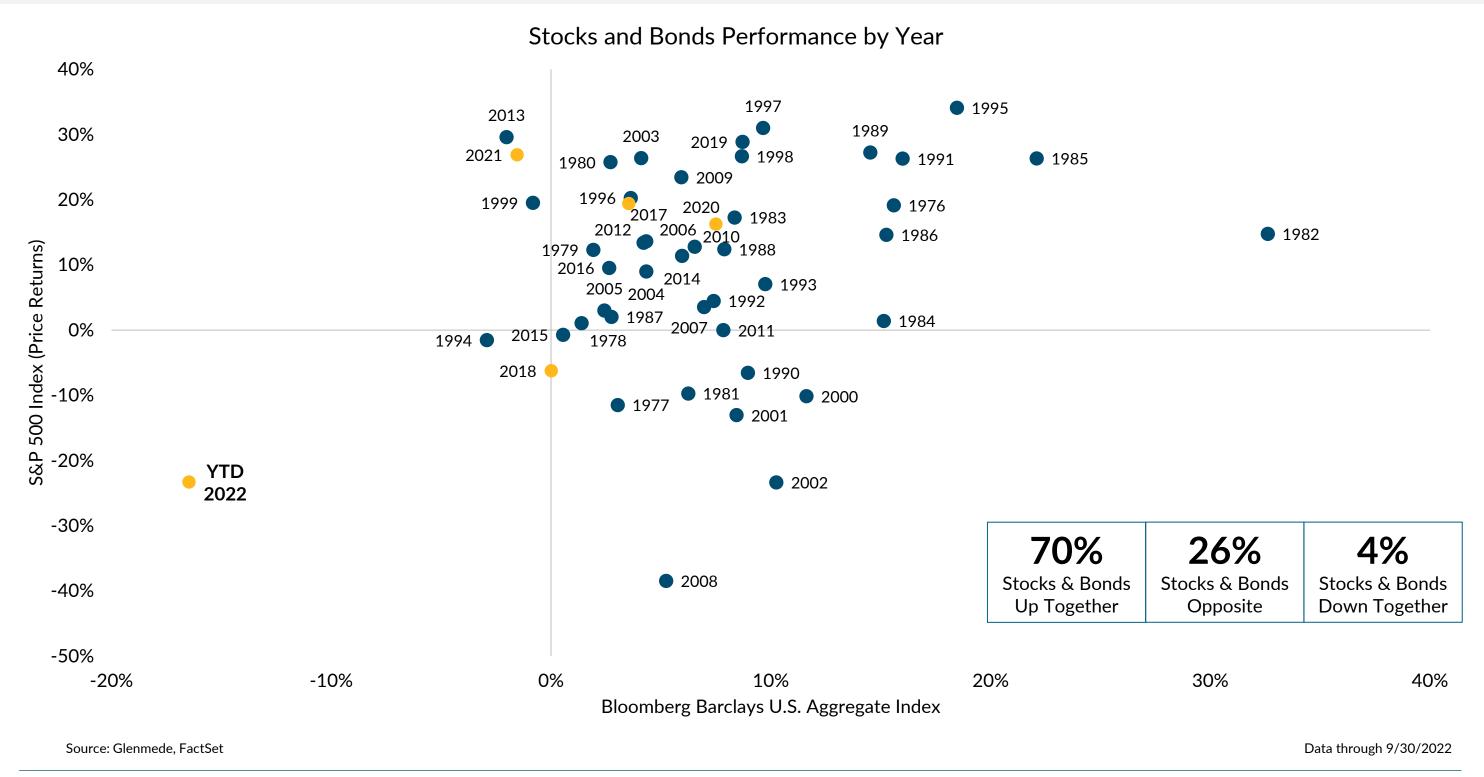


Ilona Vovk, CFP Officer **Investment Strategy**

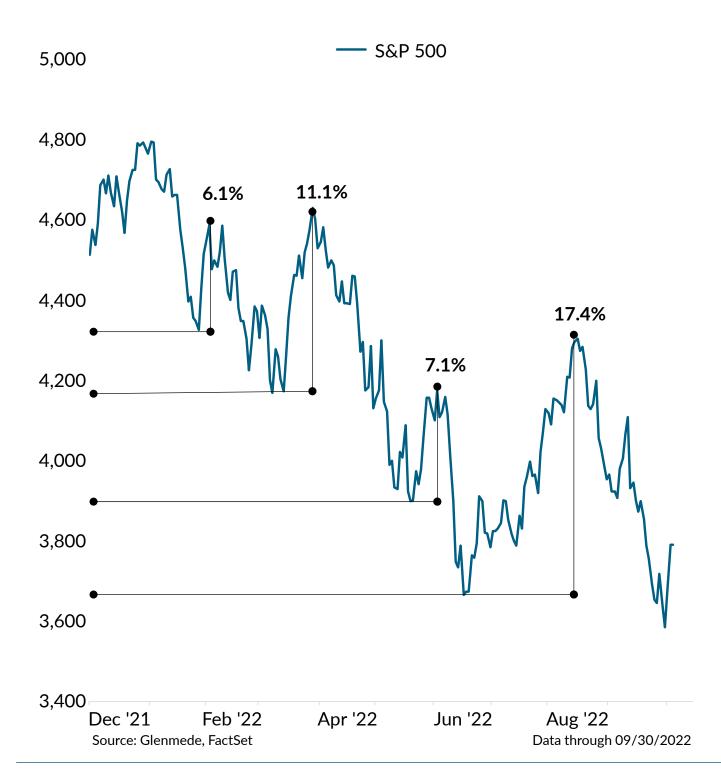
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Stocks and bonds have declined in tandem, a rare event



The recent market rally was quite large, but is not uncommon within longer-term bear markets



S&P 500 Index Bear Market Analysis

Market Top	Market Bottom	Decline	# of Rallies	Largest Rally
1/11/1973	10/3/1974	-48.2%	8	13.1%
11/28/1980	8/12/1982	-27.2%	4	12.1%
8/25/1987	12/4/1987	-33.5%	0	N/A
3/24/2000	10/9/2002	-49.1%	7	21.4%
10/9/2007	3/9/2009	-56.8%	7	24.7%
2/19/2020	3/23/2020	-33.9%	0	N/A
1/3/2022	?	?	4	17.4%
Average*			6.5	17.8%

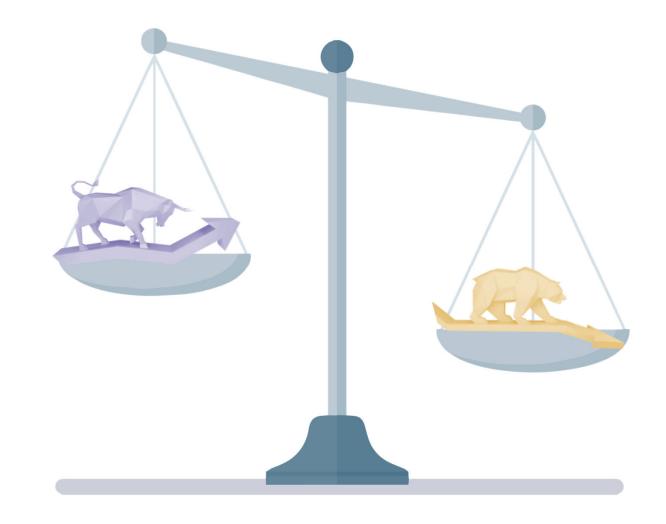
^{*}Average incorporates historical statistics of longer bear markets when a bear rally occurred at least once

Source: Glenmede Data through 9/30/2022

The cumulative weight of evidence points bearish

Bull Market:

- **&** Economy proves resilient
- Inflation declines meaningfully
- Fed slows tightening
- Earnings hold up
- Valuation premiums remain



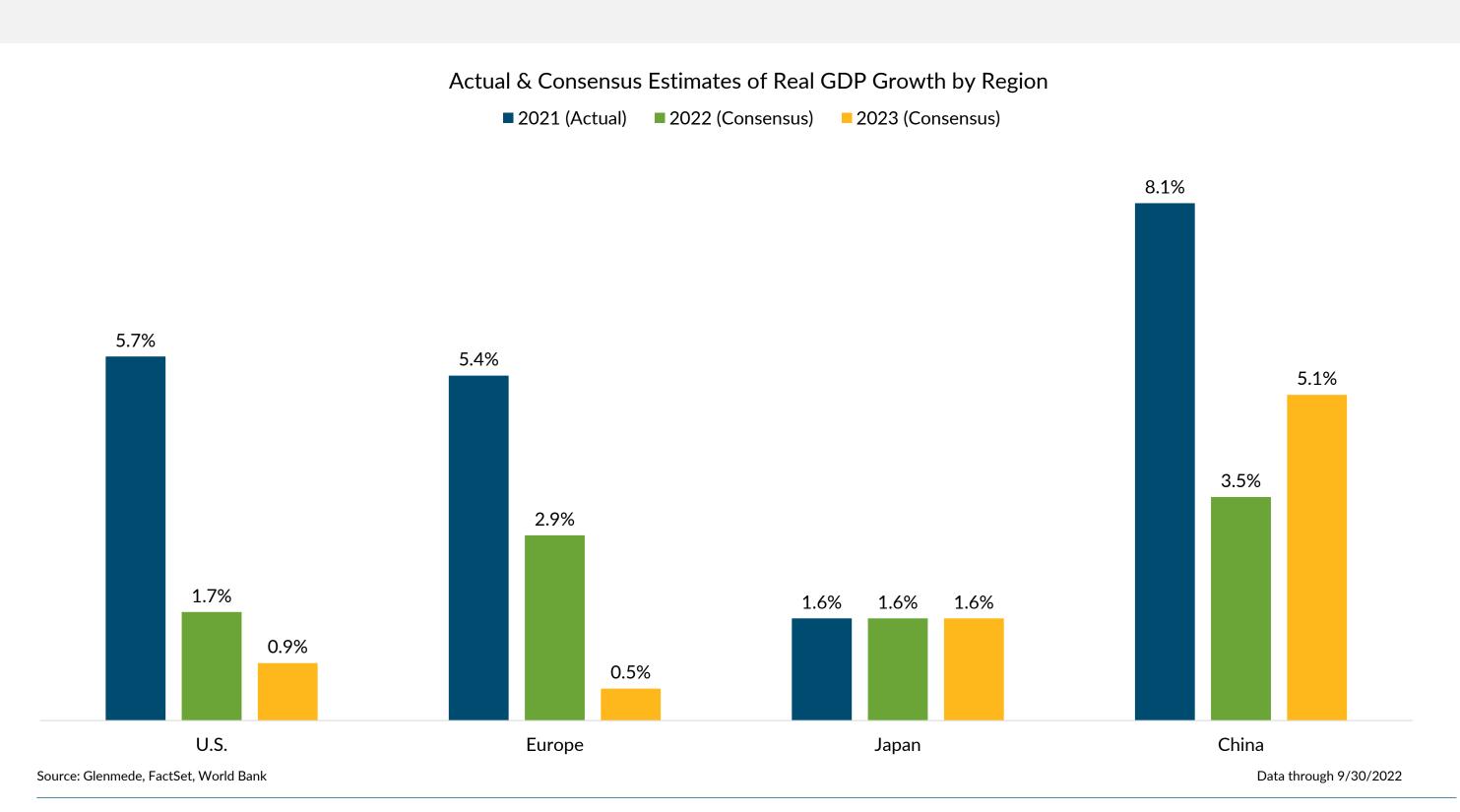
Bear Market:

- Economy contracts
- Inflation declines slowly
- Fed continues rapid tightening
- Earnings decline
- Valuations approach fair value

Investors should target an underweight to market (equity) risk

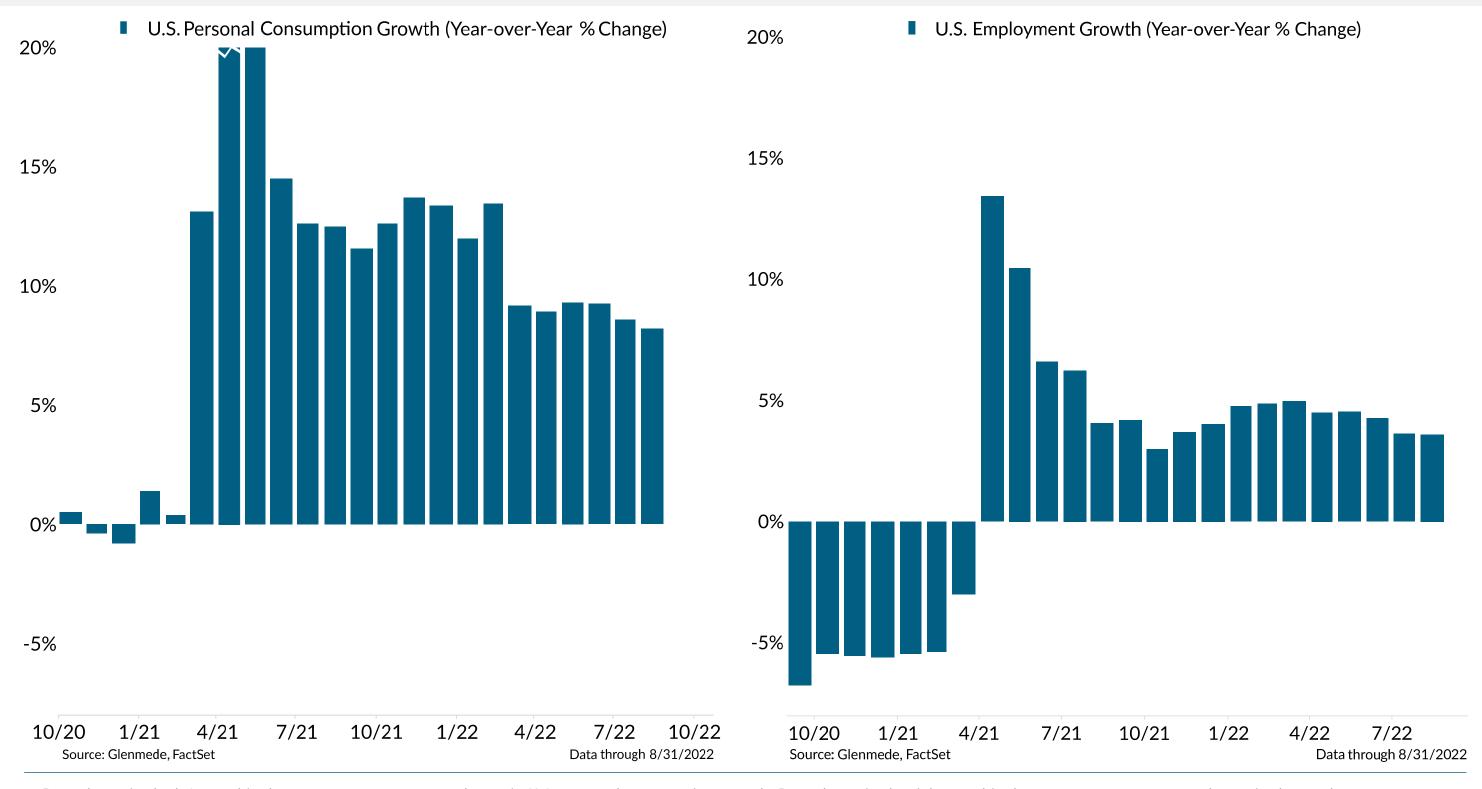
Economists still expect growth in 2022 and 2023





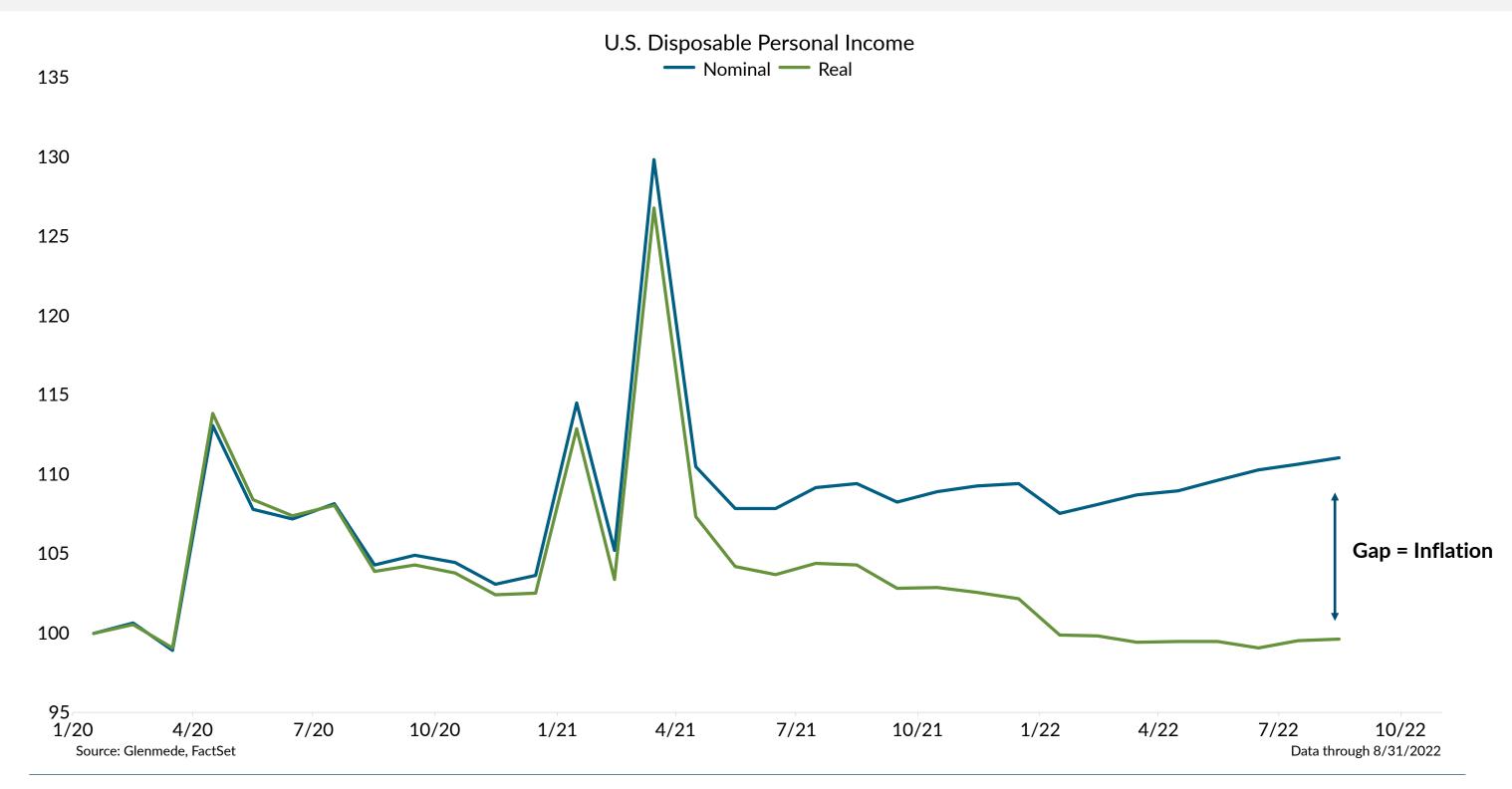
U.S. consumption and employment remain resilient





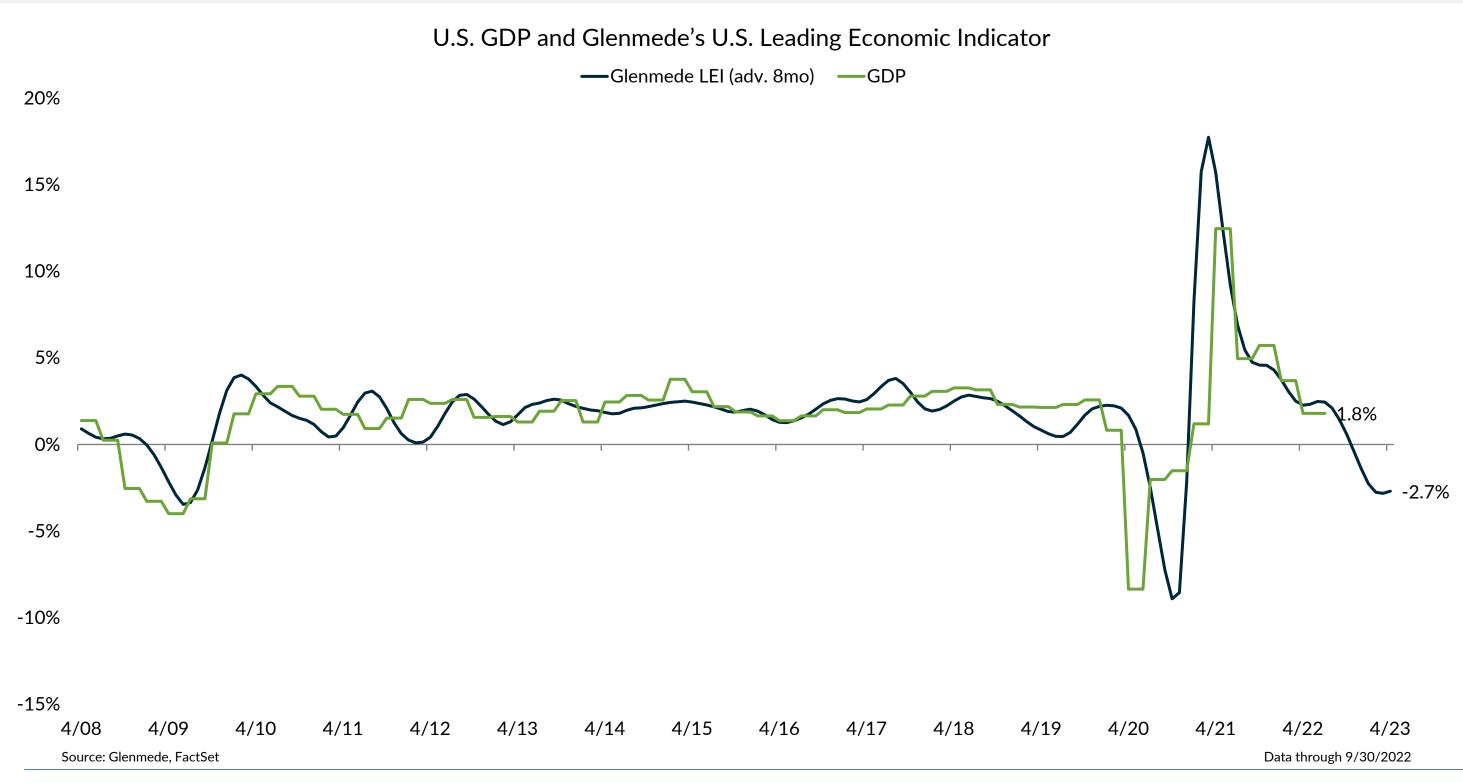
Real disposable income appears to be in decline





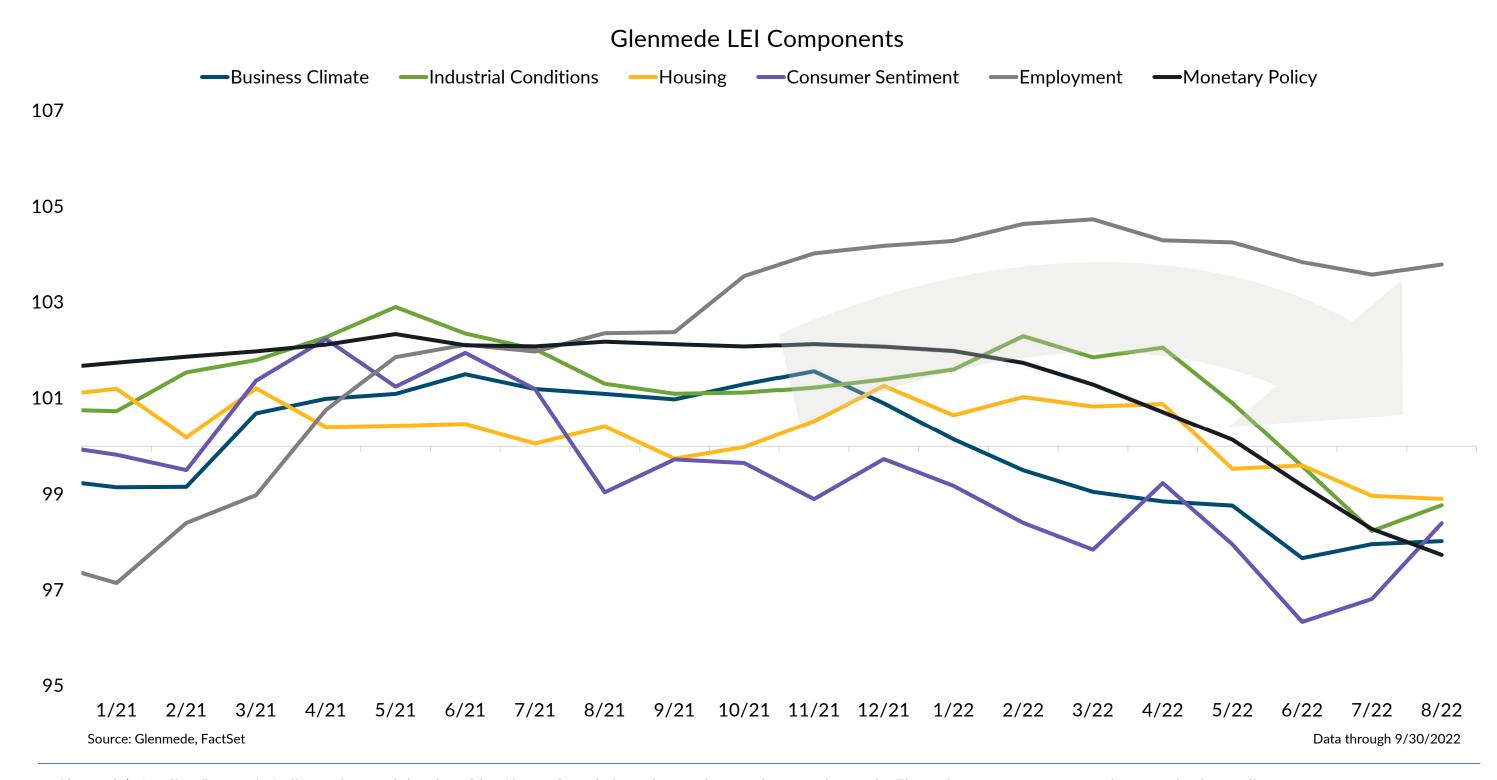
Glenmede's Leading Economic Indicator suggests economic growth will turn negative





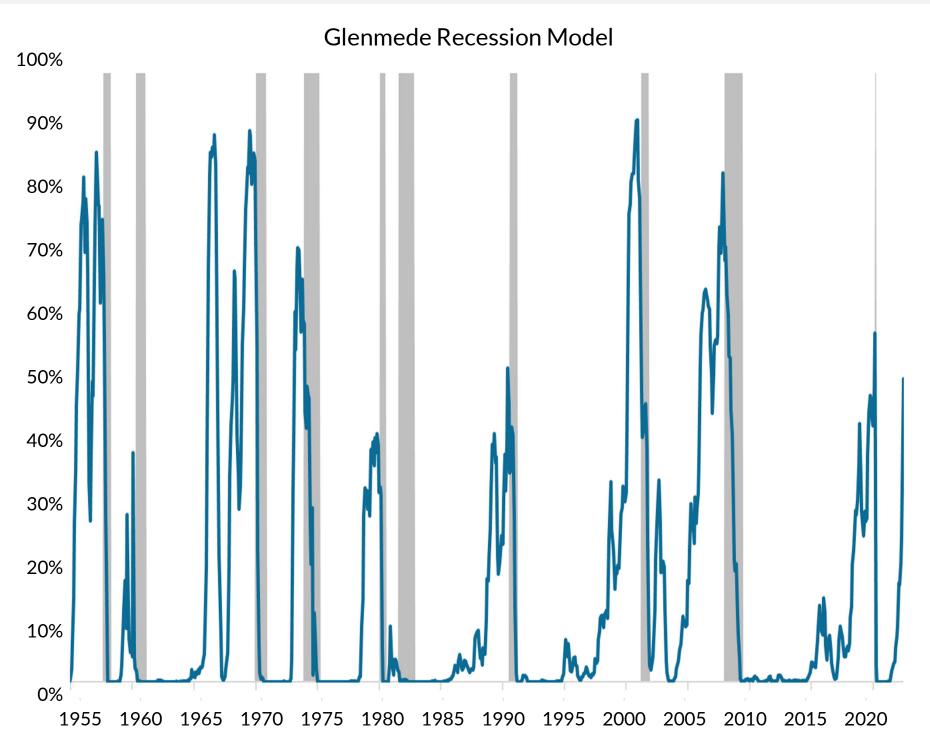
Deteriorating economic conditions appear broad-based





The risk of recession remains high





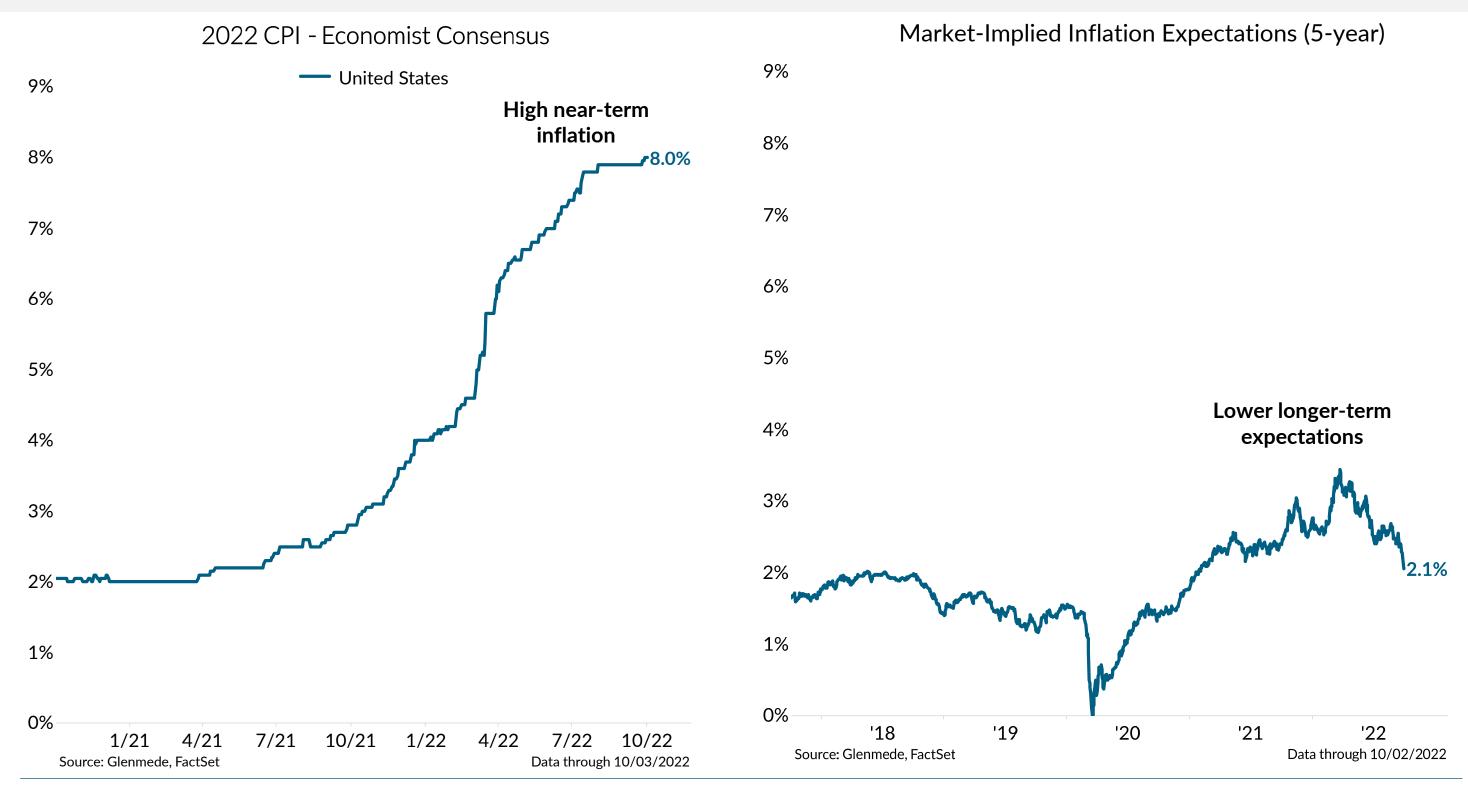
Probability of Recession	S&P 500 ex-Post 12mo. Total Return
90% to 100%	-5.7%
80% to 90%	-6.9%
70% to 80%	-6.0%
60% to 70%	0.7%
50% to 60%	1.0%
40% to 50%	5.0%
30% to 40%	10.9%
20% to 30%	11.7%
10% to 20%	12.8%
0% to 10%	15.9%

Source: Glenmede, FactSet

Data through 9/30/2022

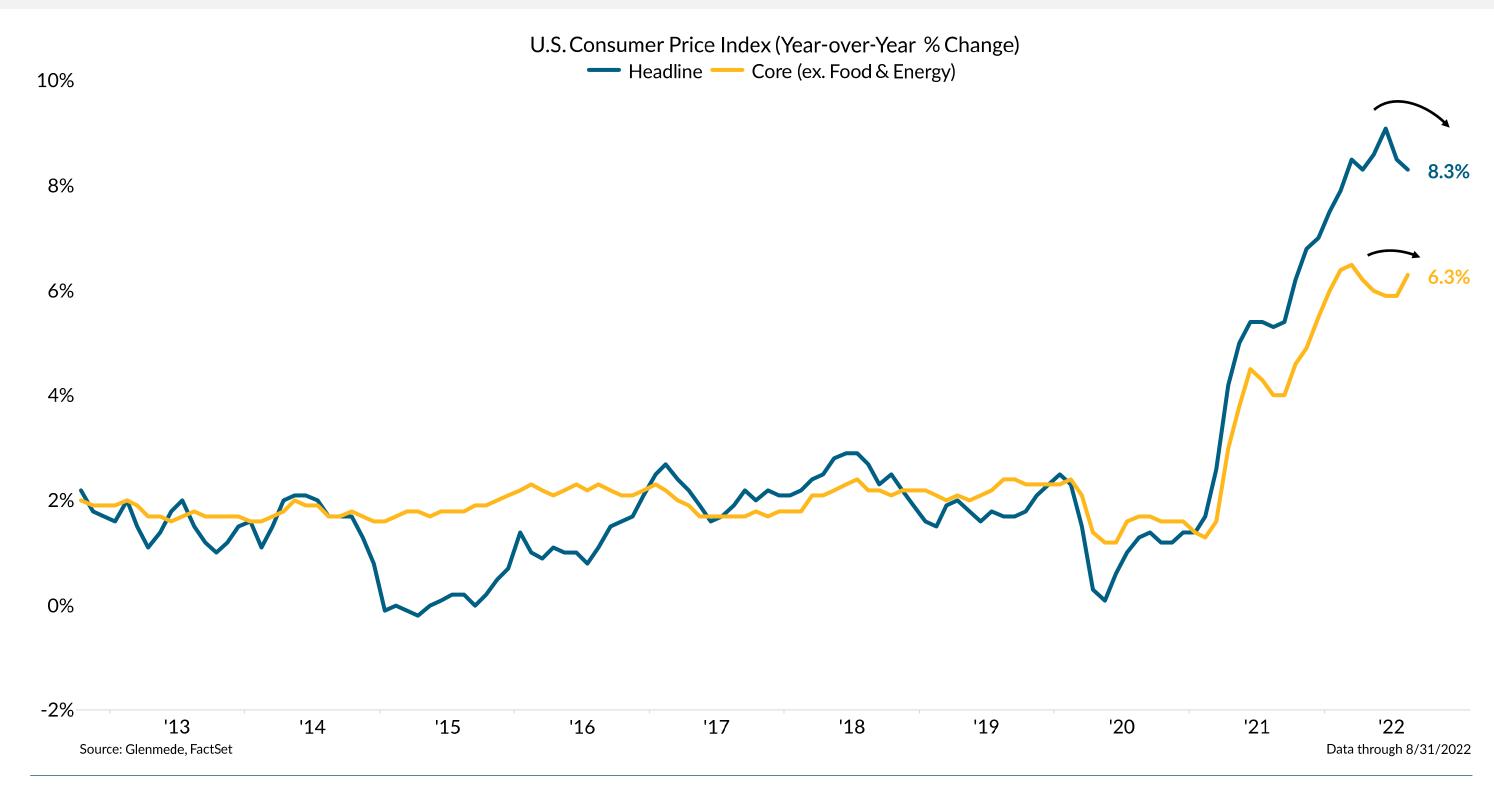
Bull and bear cases show clearly in inflation expectations





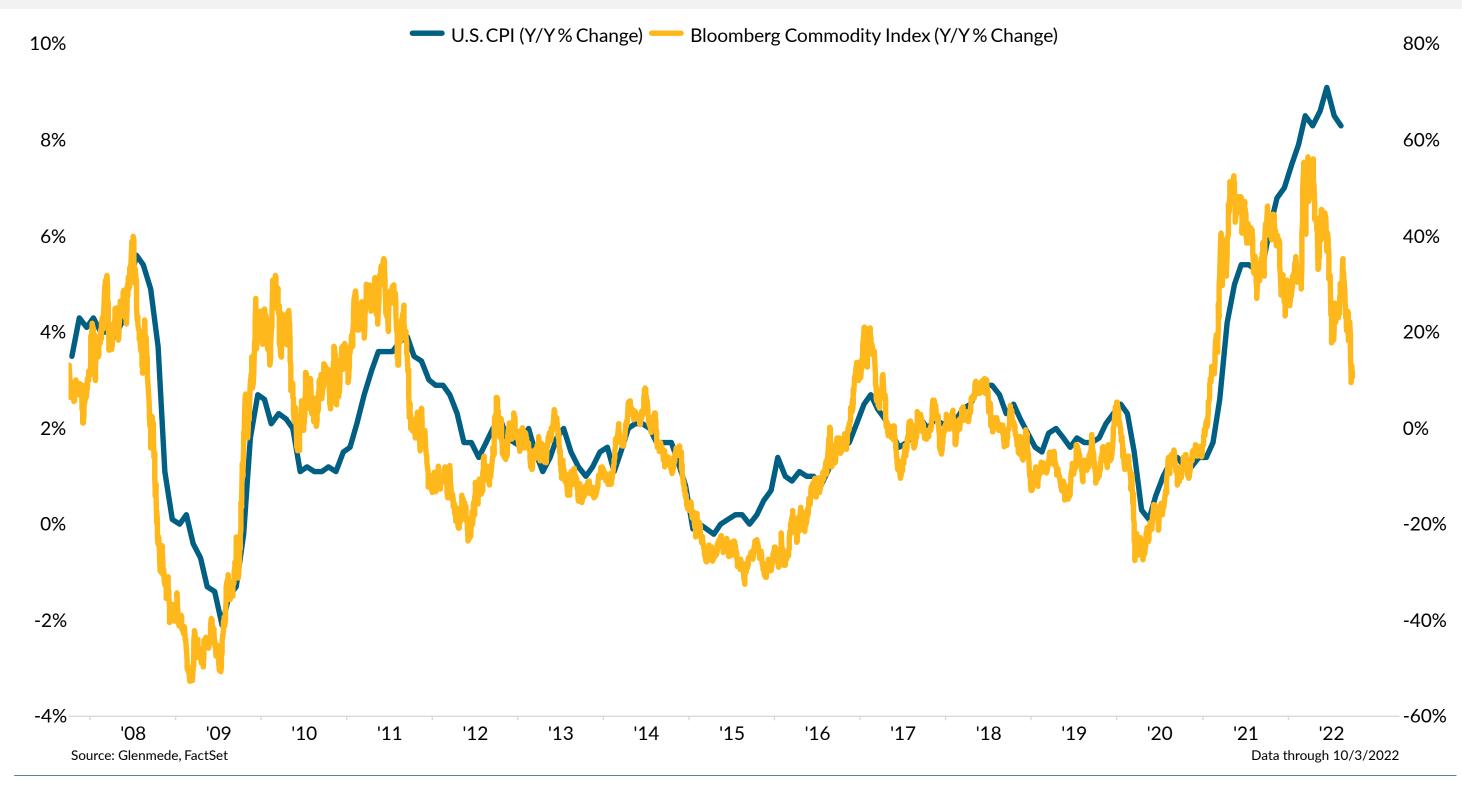
Inflation seems to be slowing, but a notable decline has yet to begin





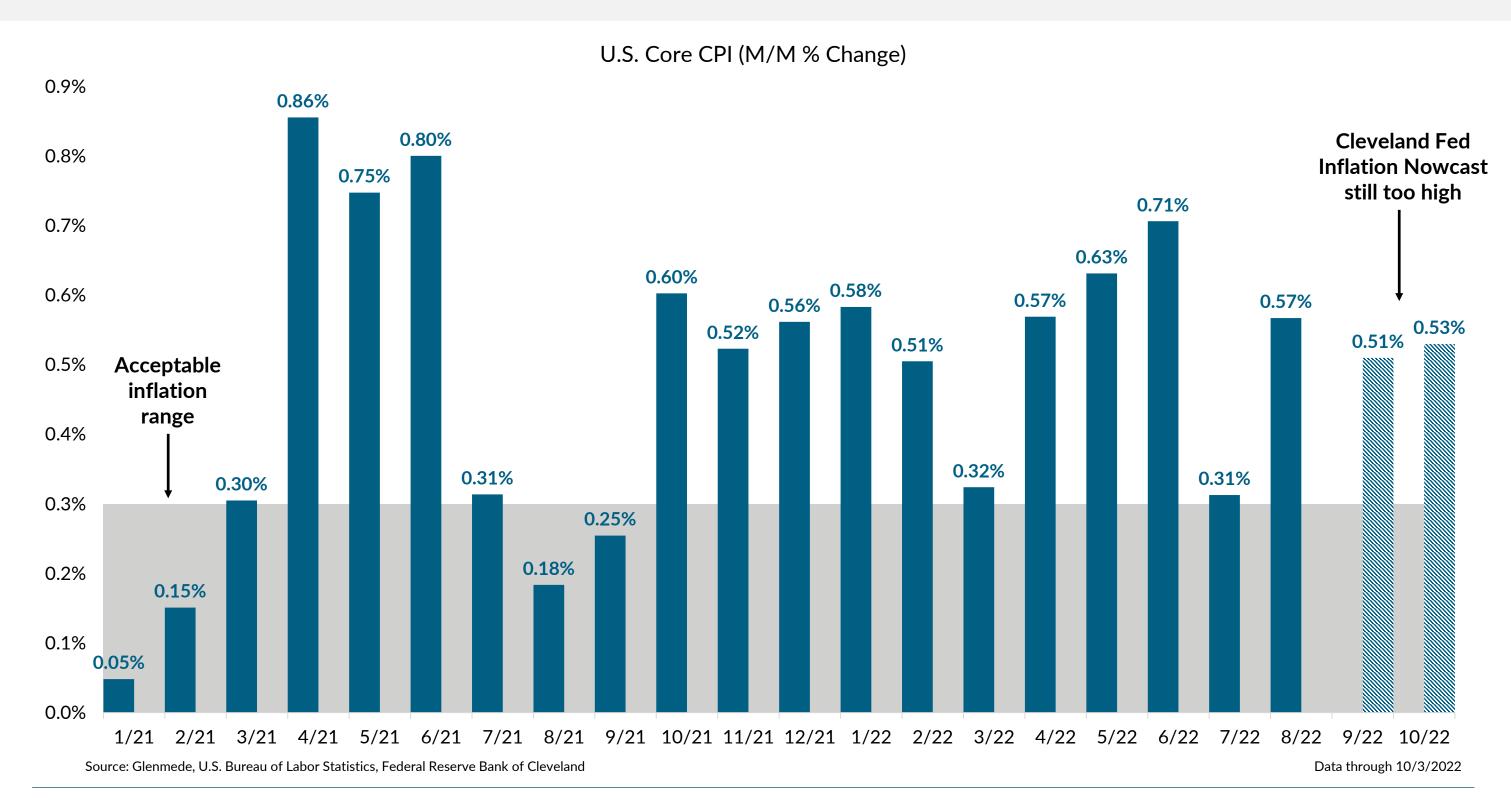
Slower gains in commodity prices may act to moderate inflation





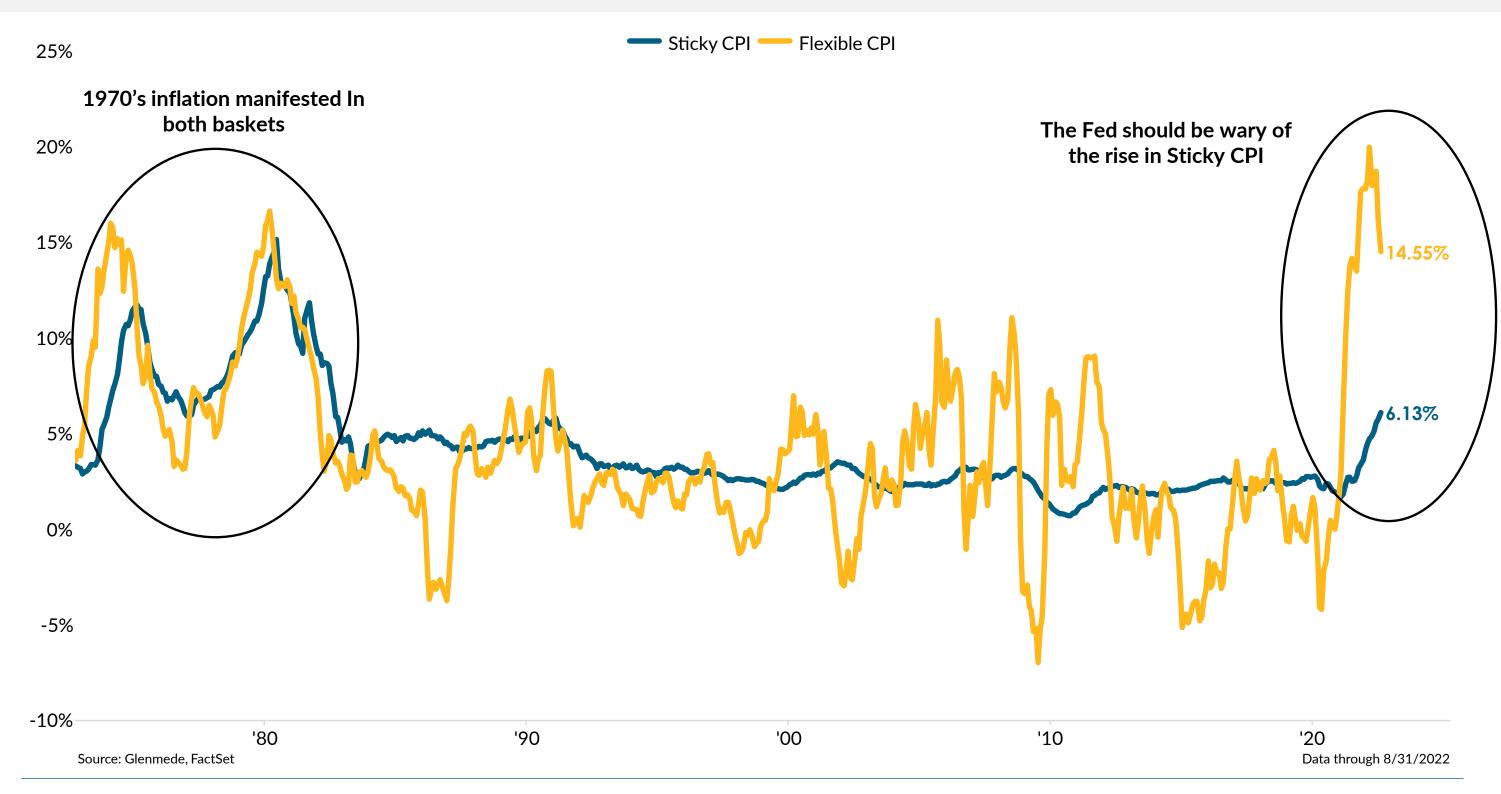
The Fed wants inflation below +0.3% per month





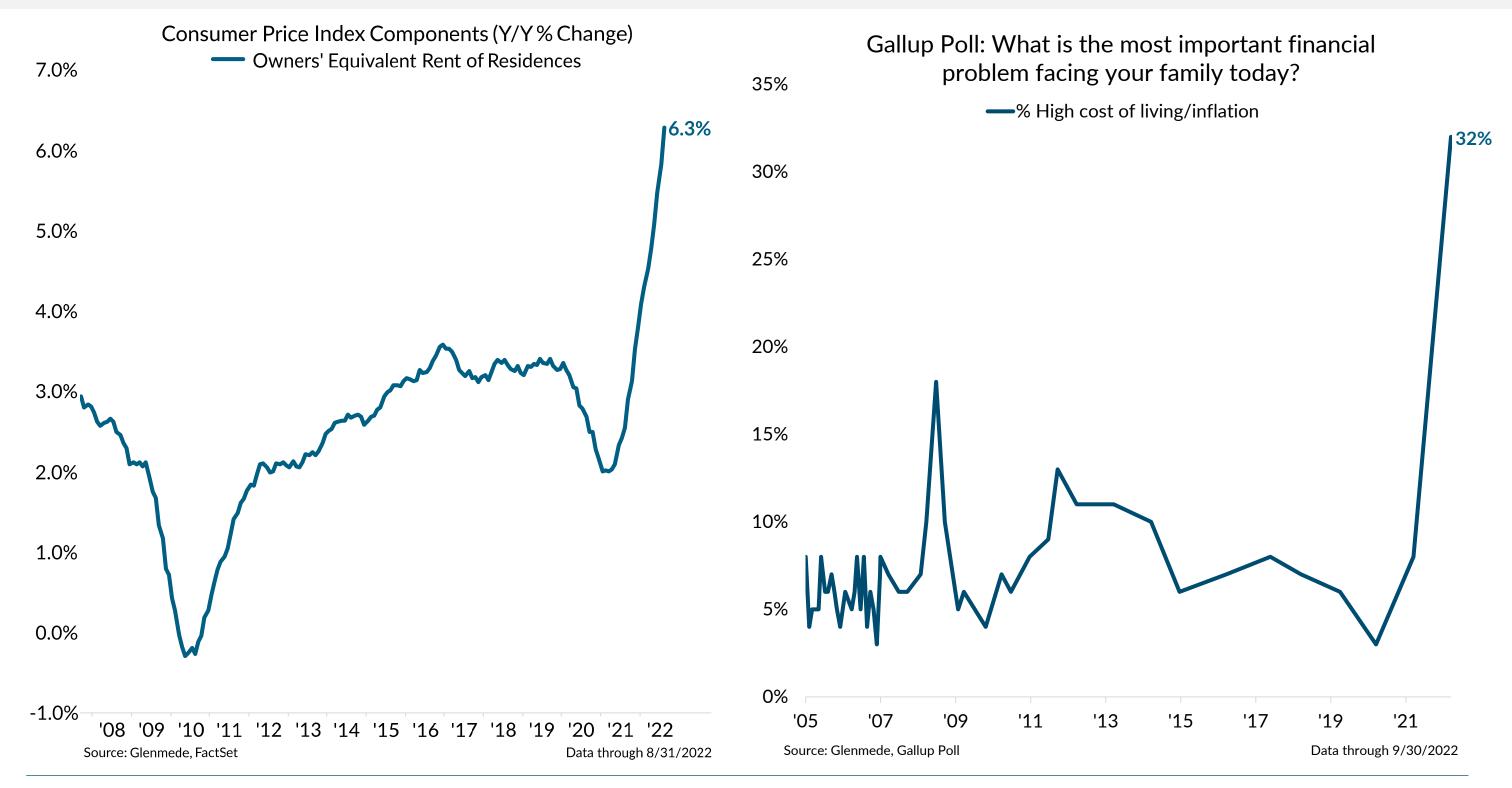
A comparison to the 1970's shows differences, but the Fed can't be complacent





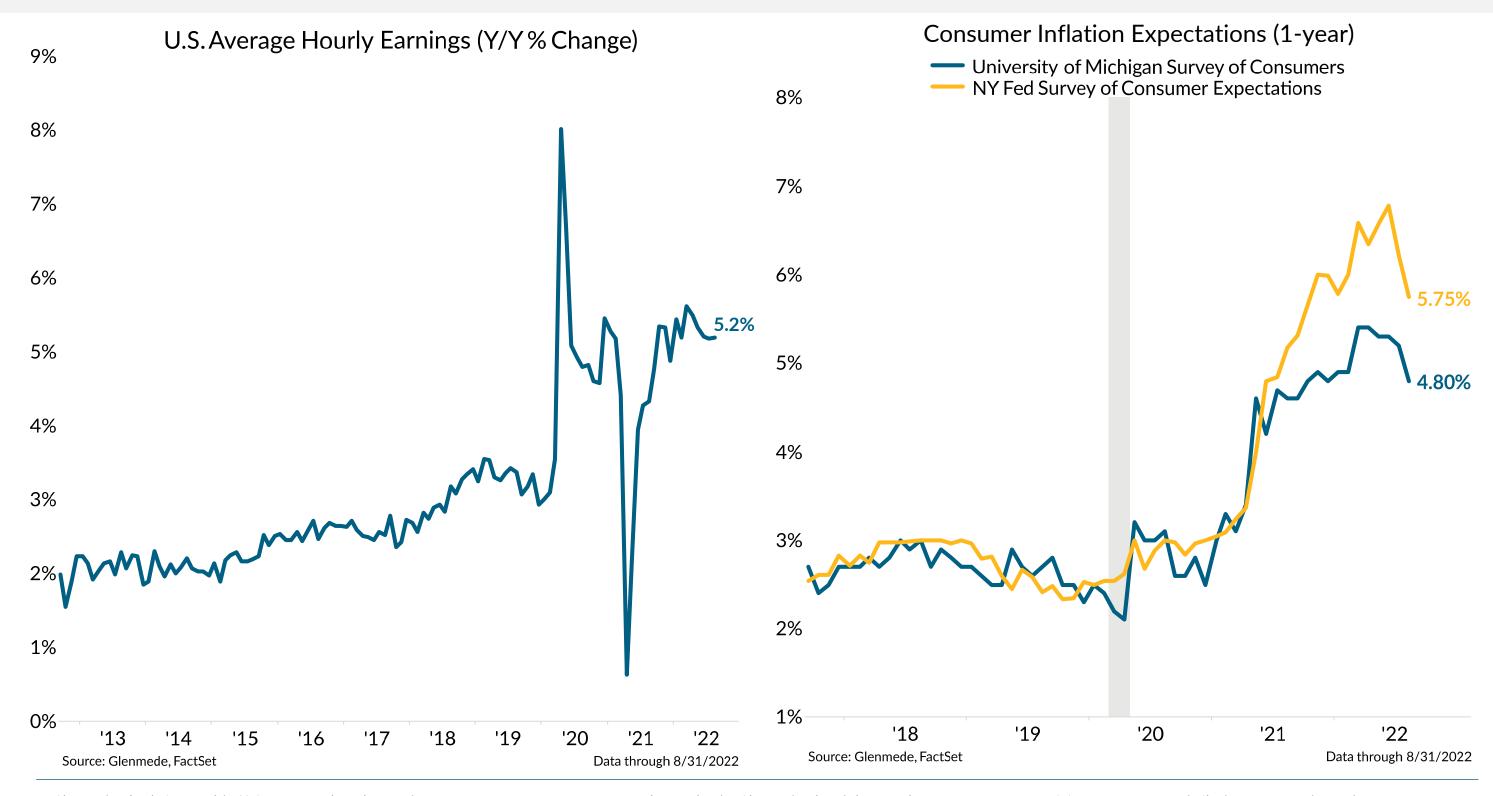
Rising costs are impacting the average consumer





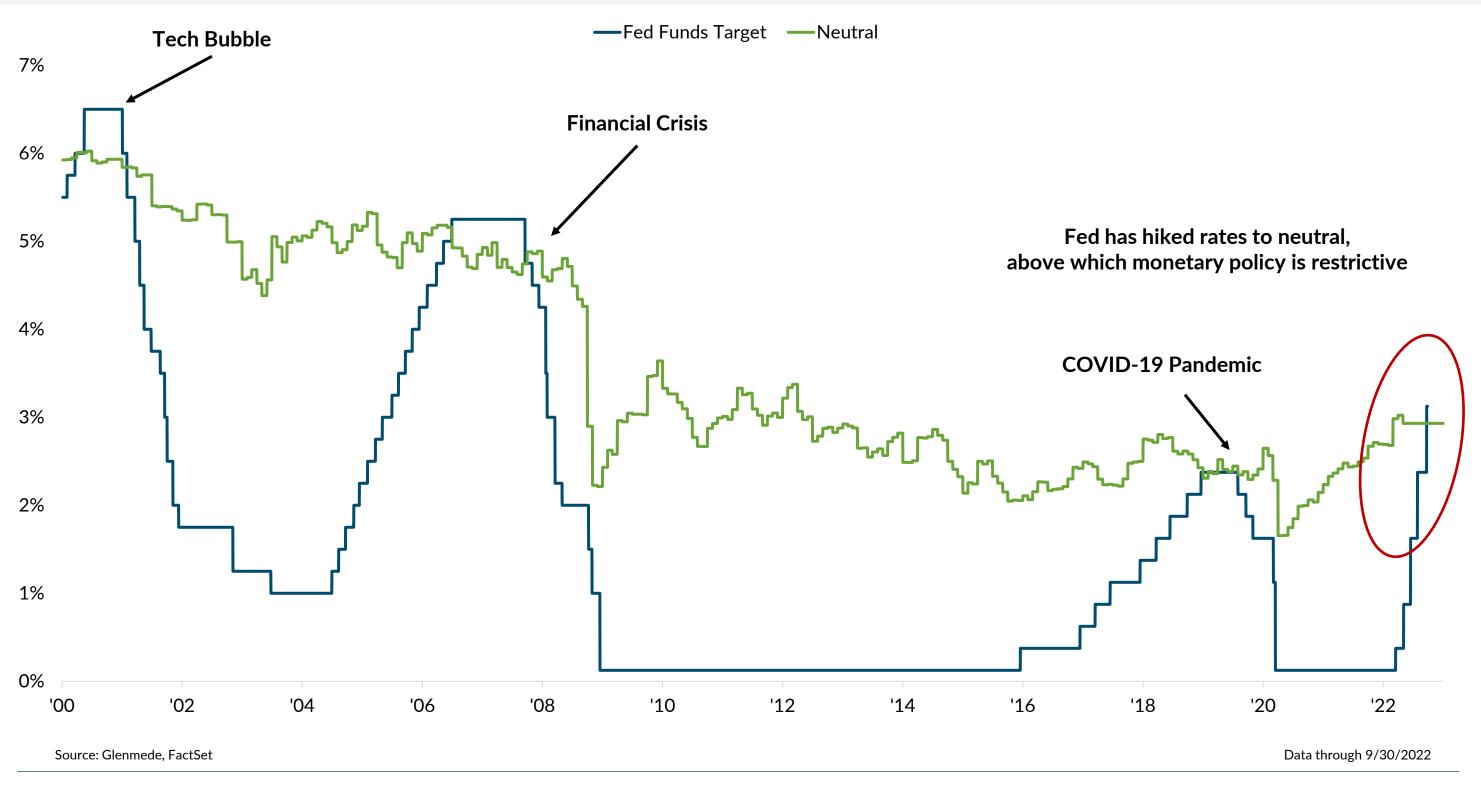
The Fed is worried that rising prices and wages could lead inflation expectations higher longer-term





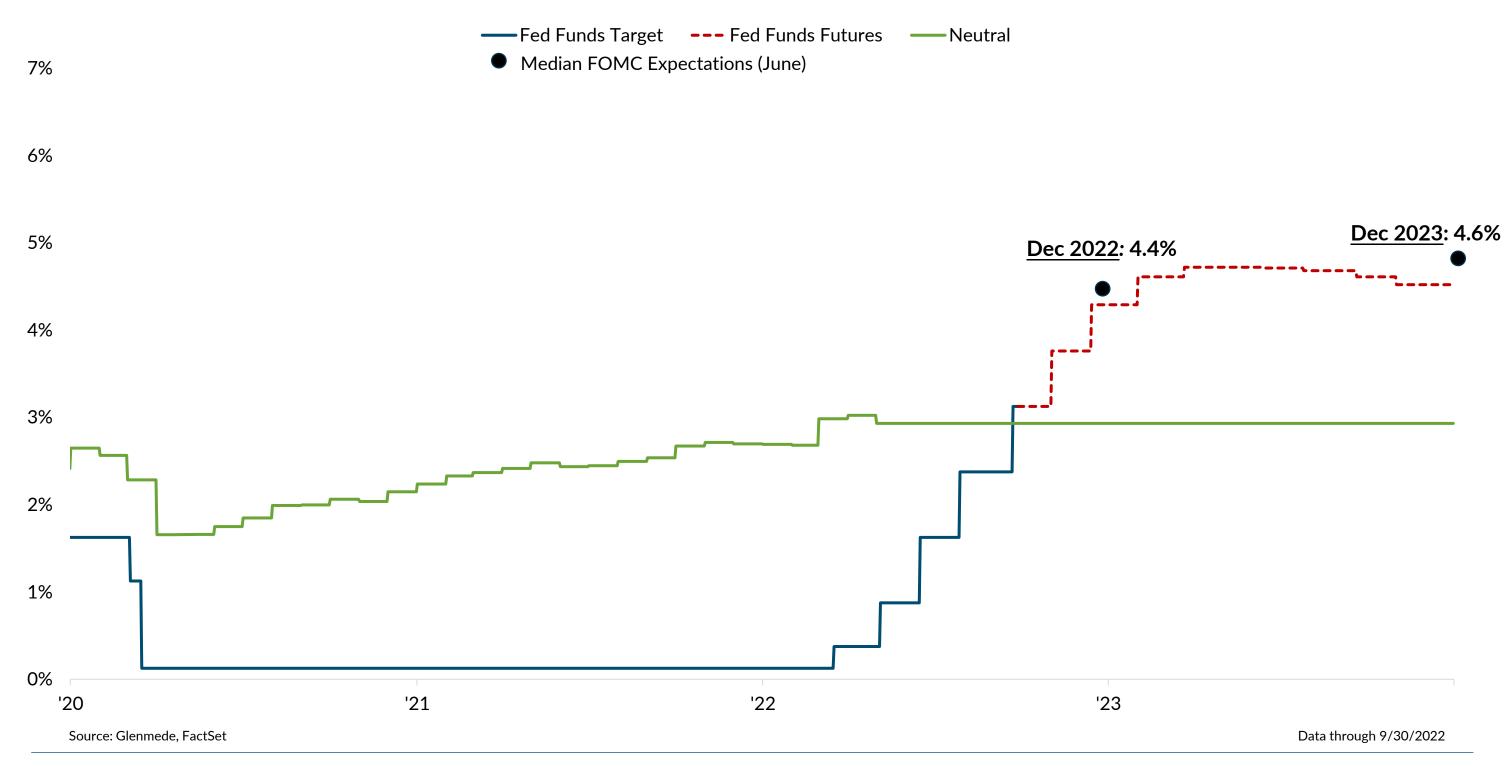
The Federal Reserve has hiked rates to neutral quickly, but some argue a Fed pivot is still coming





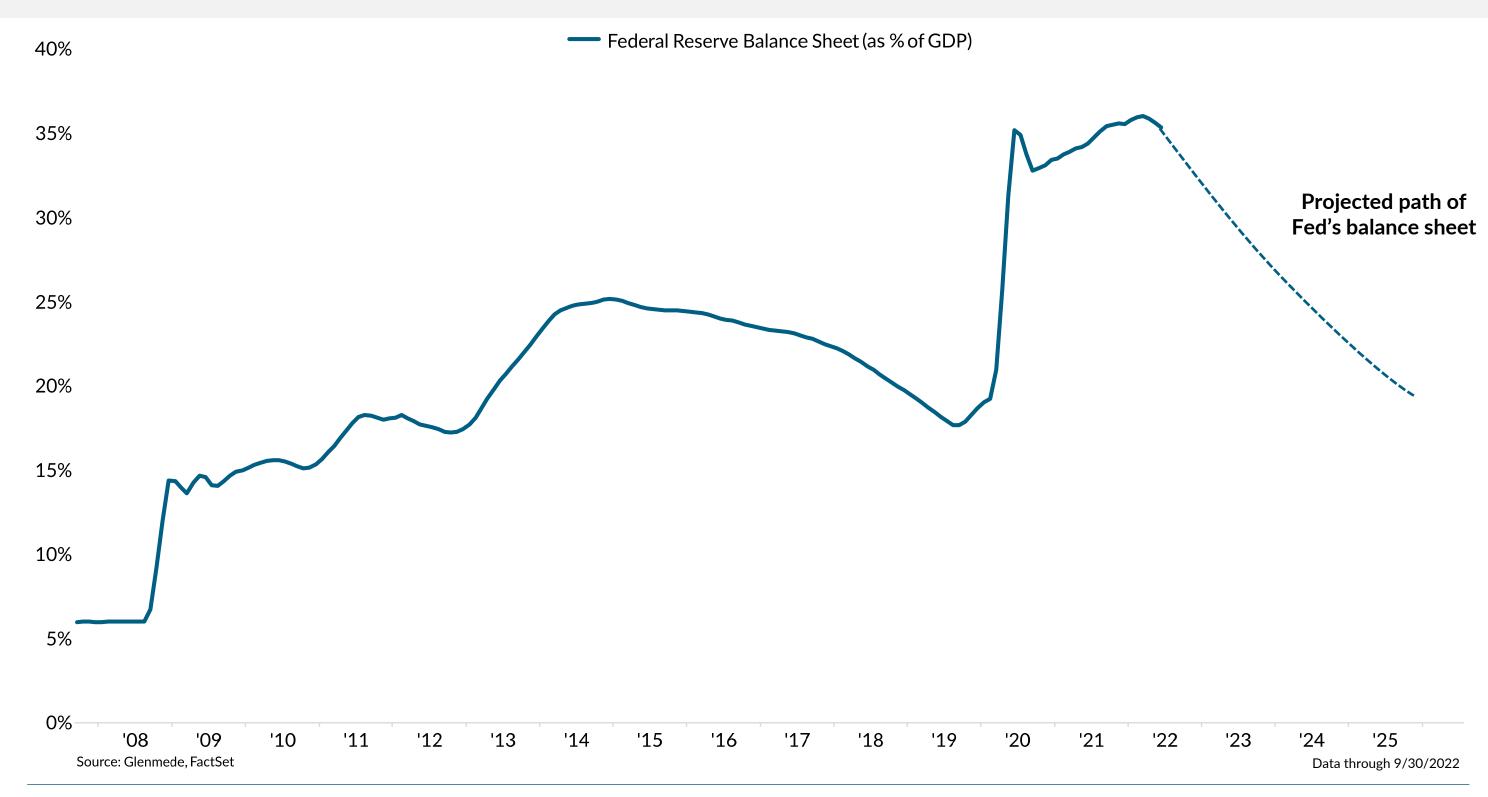
The Fed is likely to hike rates well above neutral





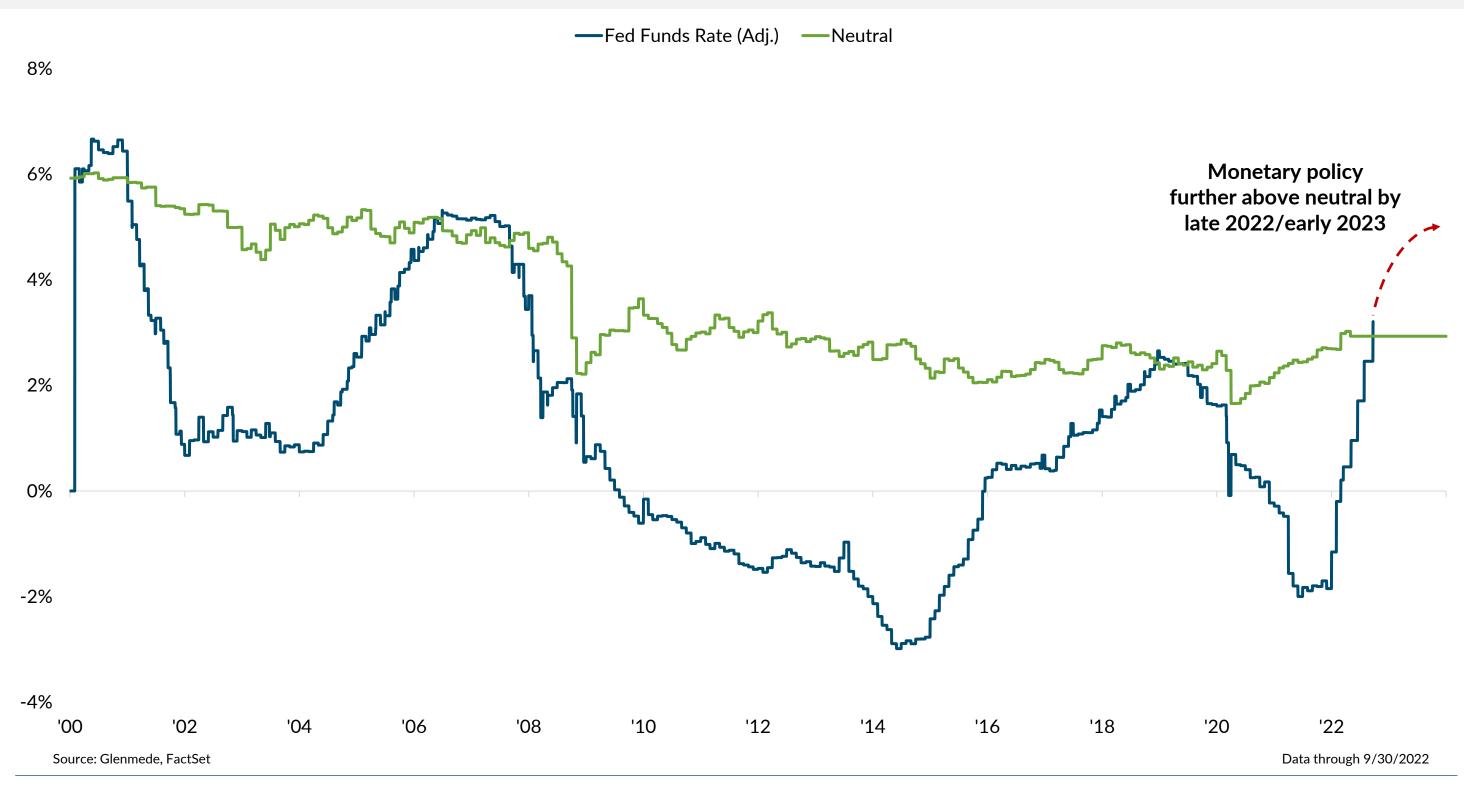
The Federal Reserve plans to reduce its balance sheet





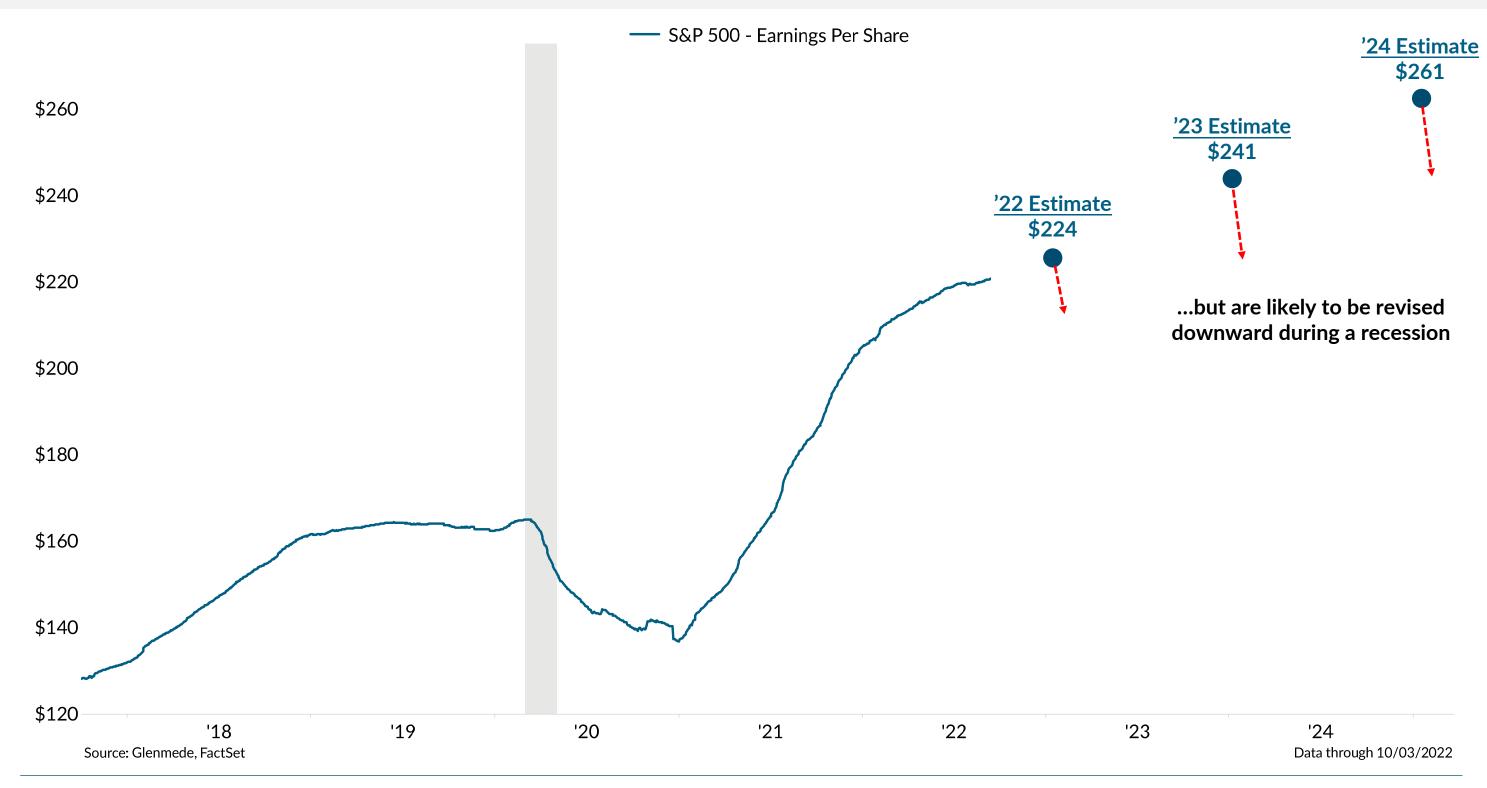
Balance sheet reductions are likely to push monetary policy even further above neutral





Earnings estimates still appear supportive of equities...





Most recessions feature an earnings decline, often to the tune of 10 – 20%



Earnings Drawdowns During Economic Recessions (1900 - Present)

Peak	Earnings Drawdown	Peak	Earnings Drawdown
1902 - 1904	-20.6%	1953 - 1954	4.4%
1907 -1908	-12.7%	1957 - 1958	-15.6%
1910 - 1911	-21.3%	1960 - 1961	-5.2%
1913 - 1914	-23.5%	1969 - 1970	-11.2%
1918 - 1919	-7.5%	1973 - 1975	3.6%
1920 - 1921	-53.3%	1980	-4.3%
1923 - 1924	11.9%	1981 - 1982	-17.2%
1926 - 1927	-10.5%	1990 - 1991	-7.1%
1929 - 1933	-72.9%	2001	-12.4%
1937 - 1938	-34.2%	2007 - 2009	-22.8%
1945	0.0%	2019 - 2020	-20.5%
1948 - 1949	1.3%		
	_		

Average: -15.3%

Source: Glenmede, FactSet, Compustat, Empirical Research Partners, NBER

\$250 \$240 \$230 \$220 A 15% decline would equate to

Nov Dec Jan Feb Mar Apr May Jun

2023 S&P 500 Earnings Per Share Progression

The left panel shows the decline in last-twelve-month earnings per share for the S&P 500 from the quarterly recession peaks to bottom, as defined by the National Bureau of Economic Research (NBER), for each recession since 1900. The right panel shows S&P 500 earnings per share estimates for 2023The S&P 500 is a market capitalization weighted index of U.S. large cap stocks. Actual results may differ materially from expectations. Past performance may not be indicative of future results. One cannot invest directly in an index.

Data through 9/30/2022

\$280

\$270

\$260

\$210

Source: Glenmede, FactSet

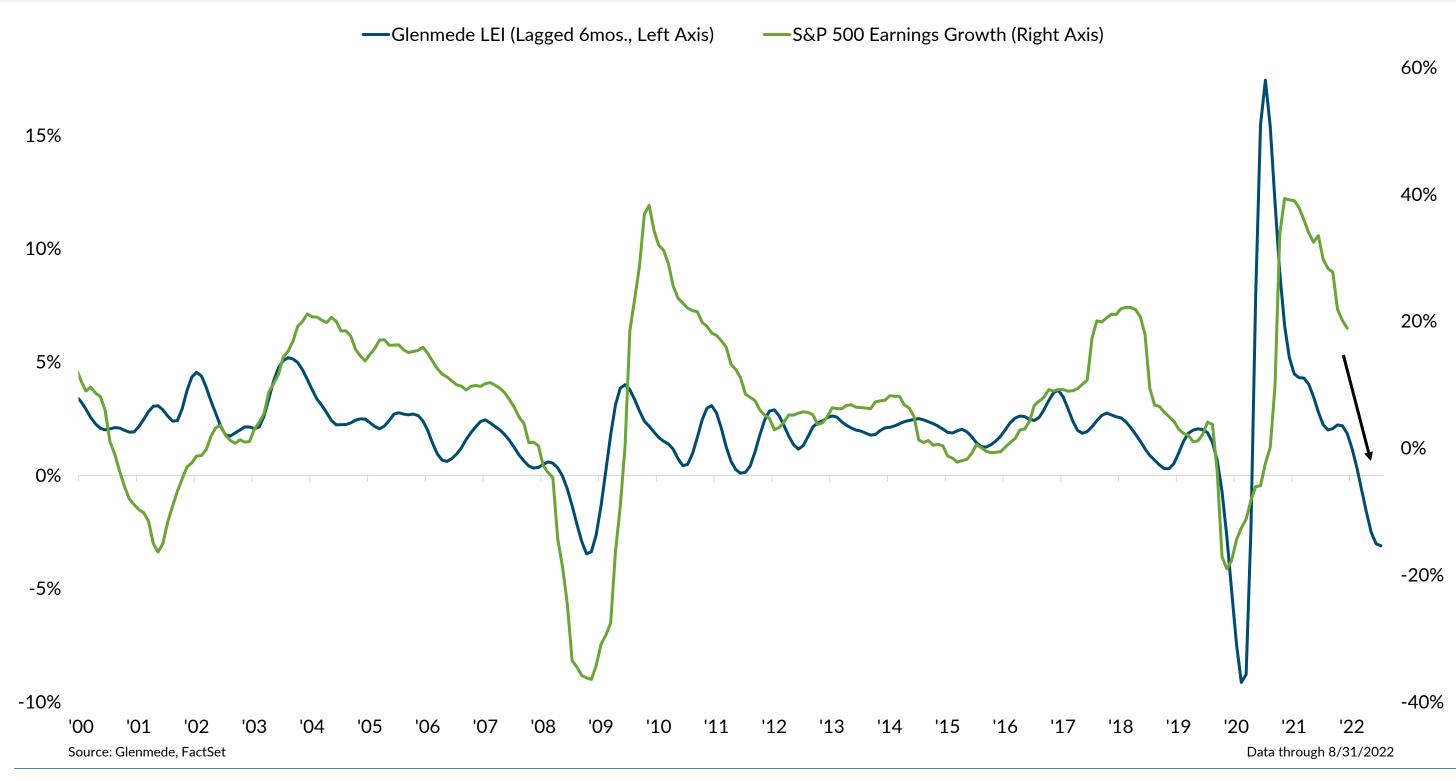
2023 EPS of \$214

Aug Sep

Data through 10/3/2022

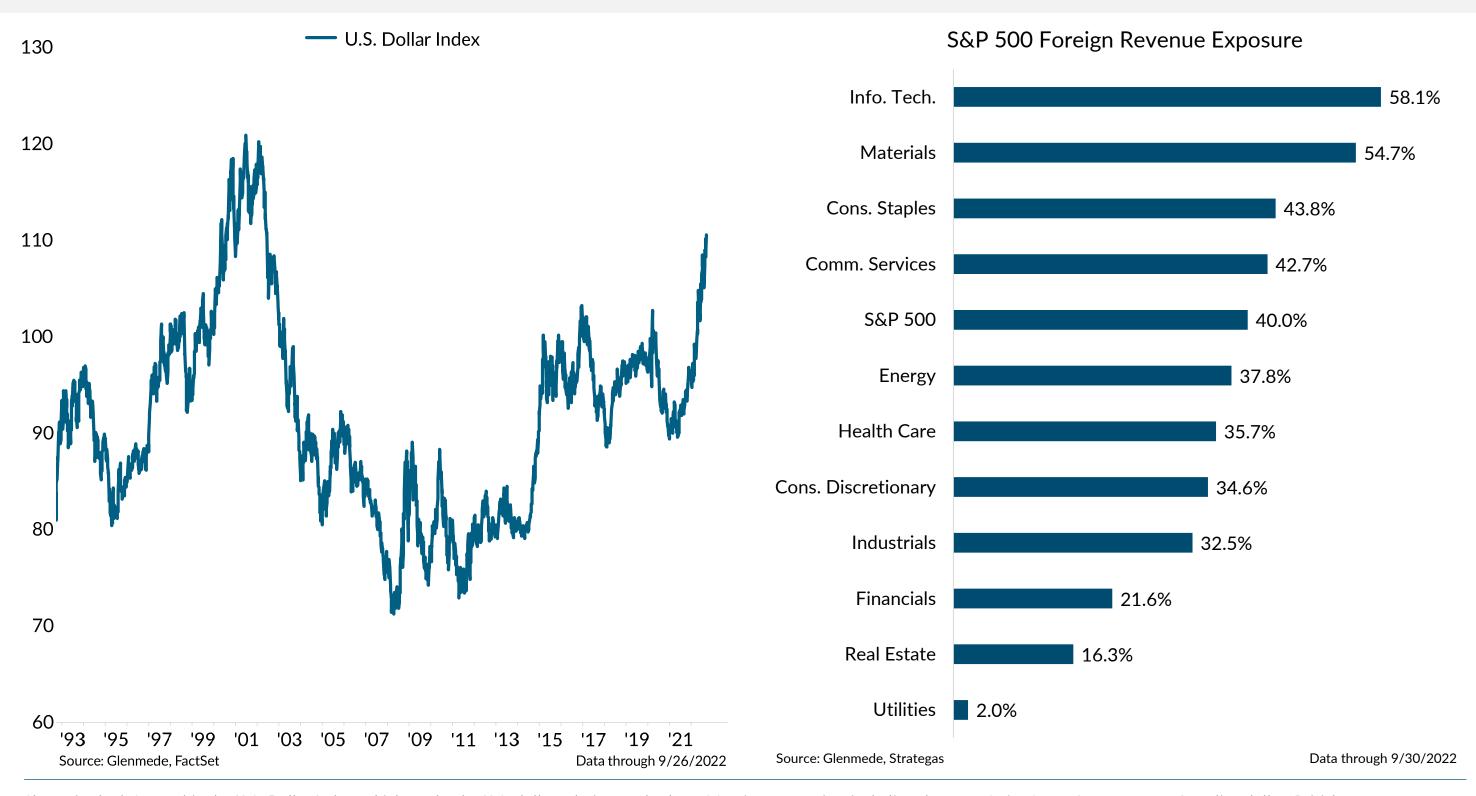
Glenmede's Leading Economic Indicator suggests earnings should decline





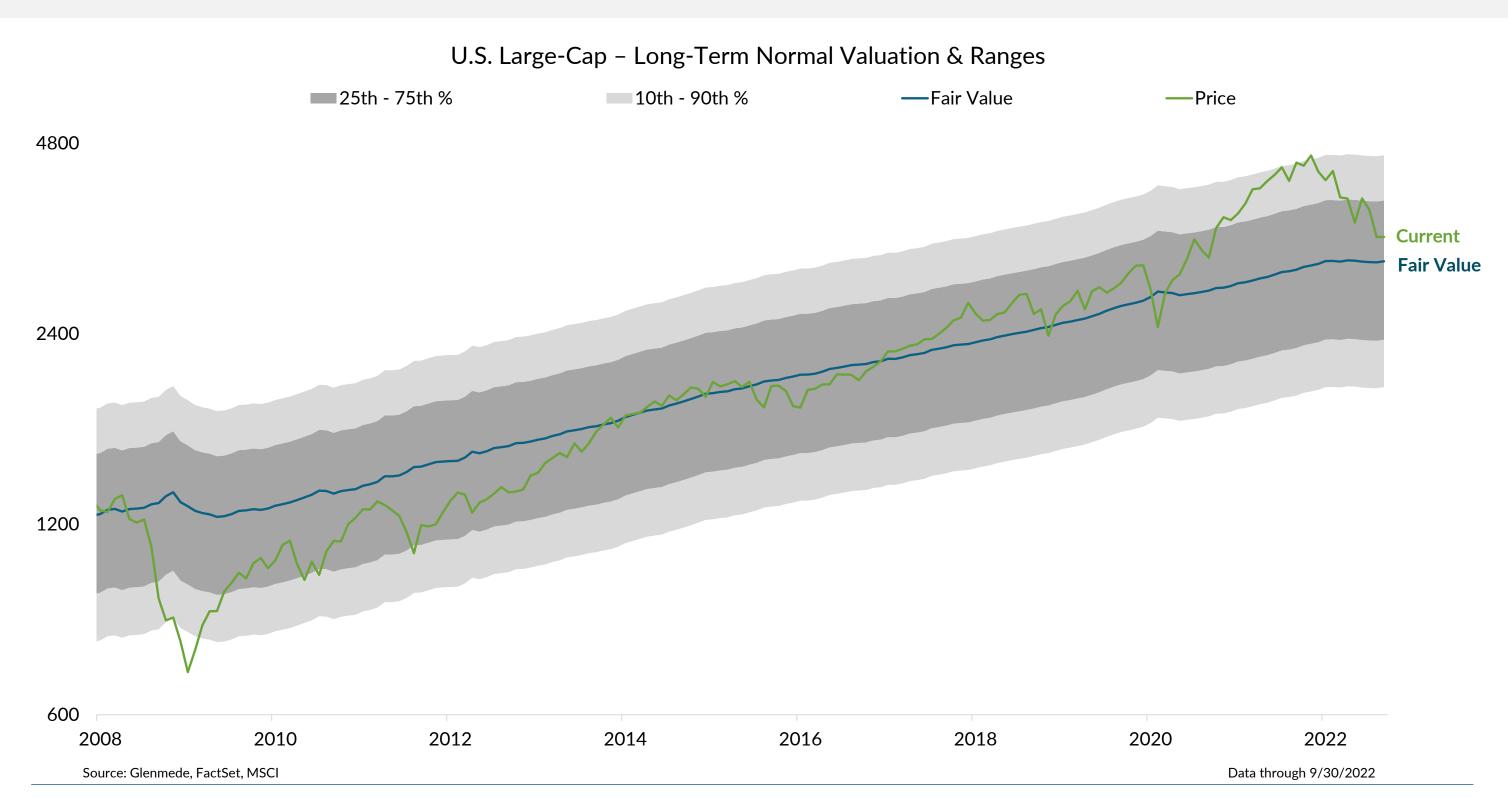
A strong dollar means lower profits for U.S. multinationals





Equity valuations remain above fair value

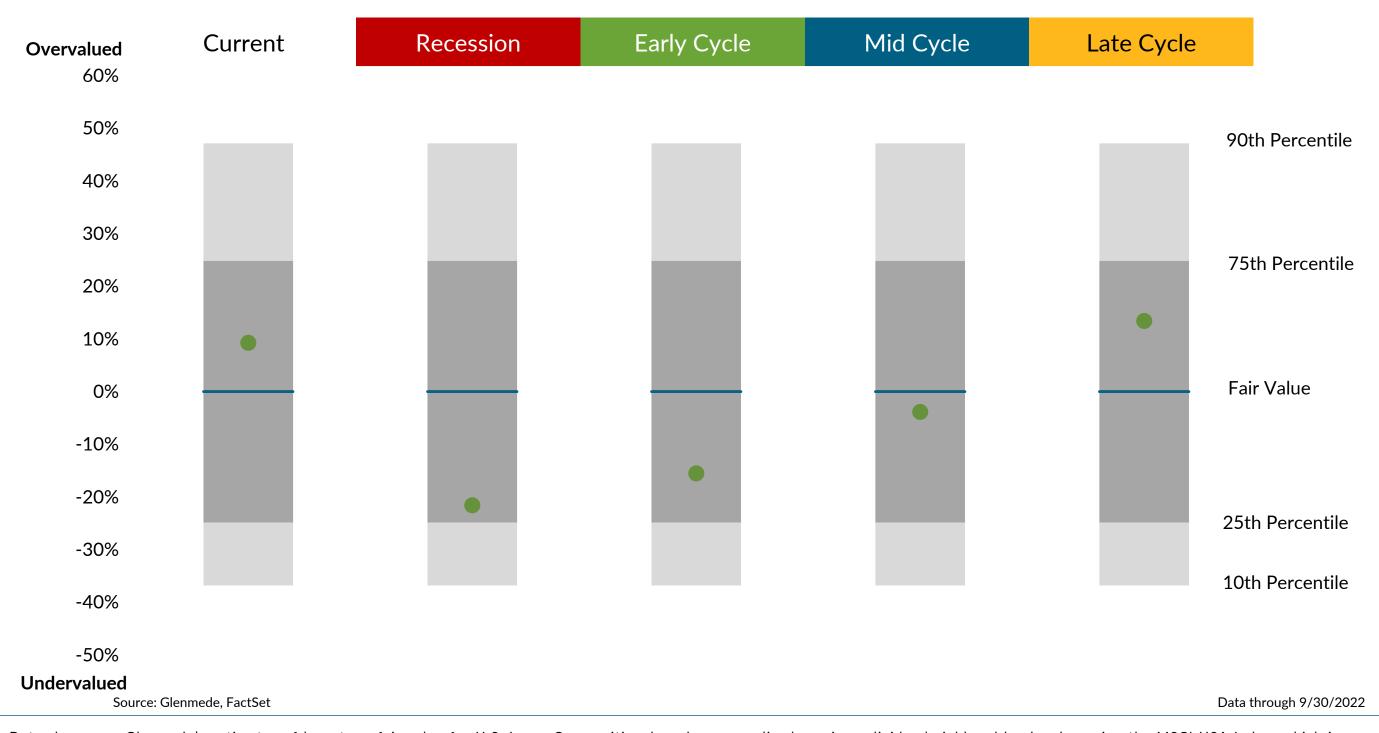




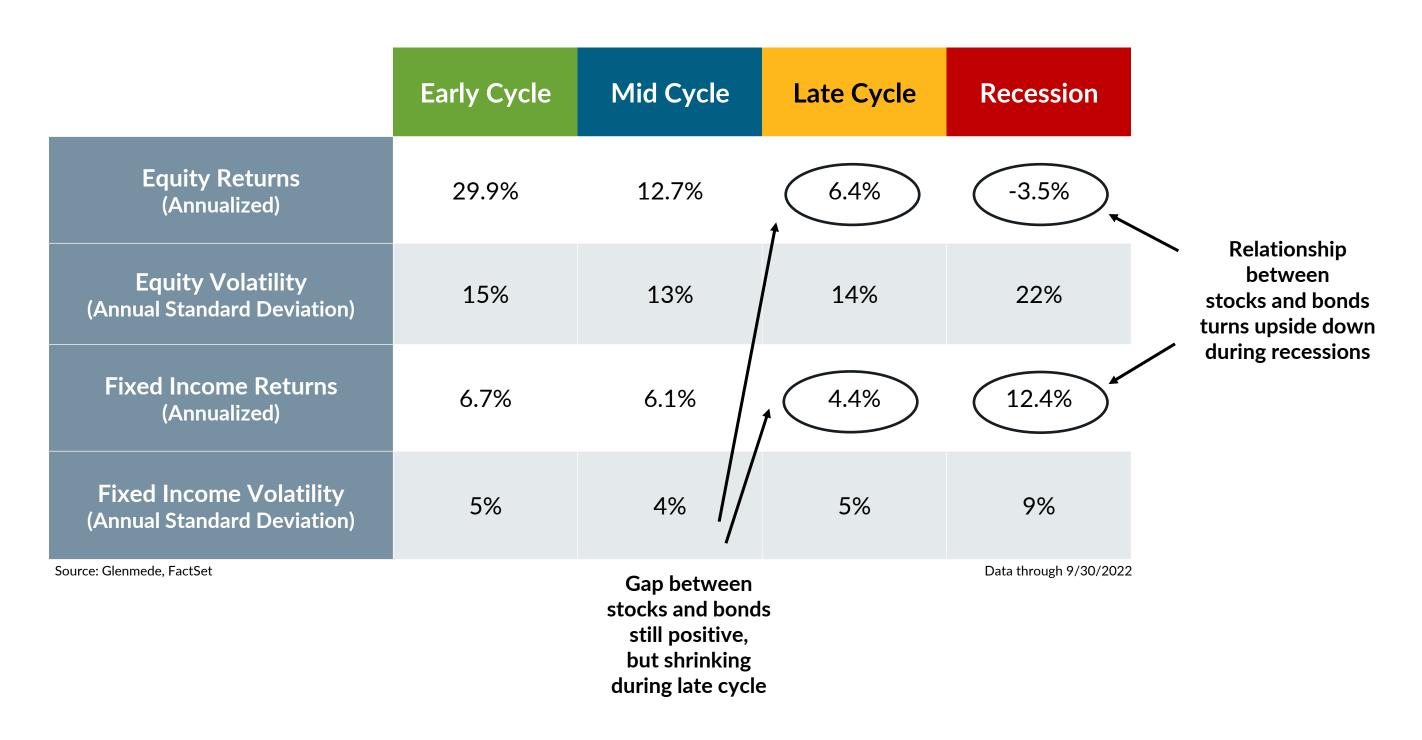
Valuations do not reflect the likelihood of recession







The return advantage of stocks declines as the cycle progresses and risks rise

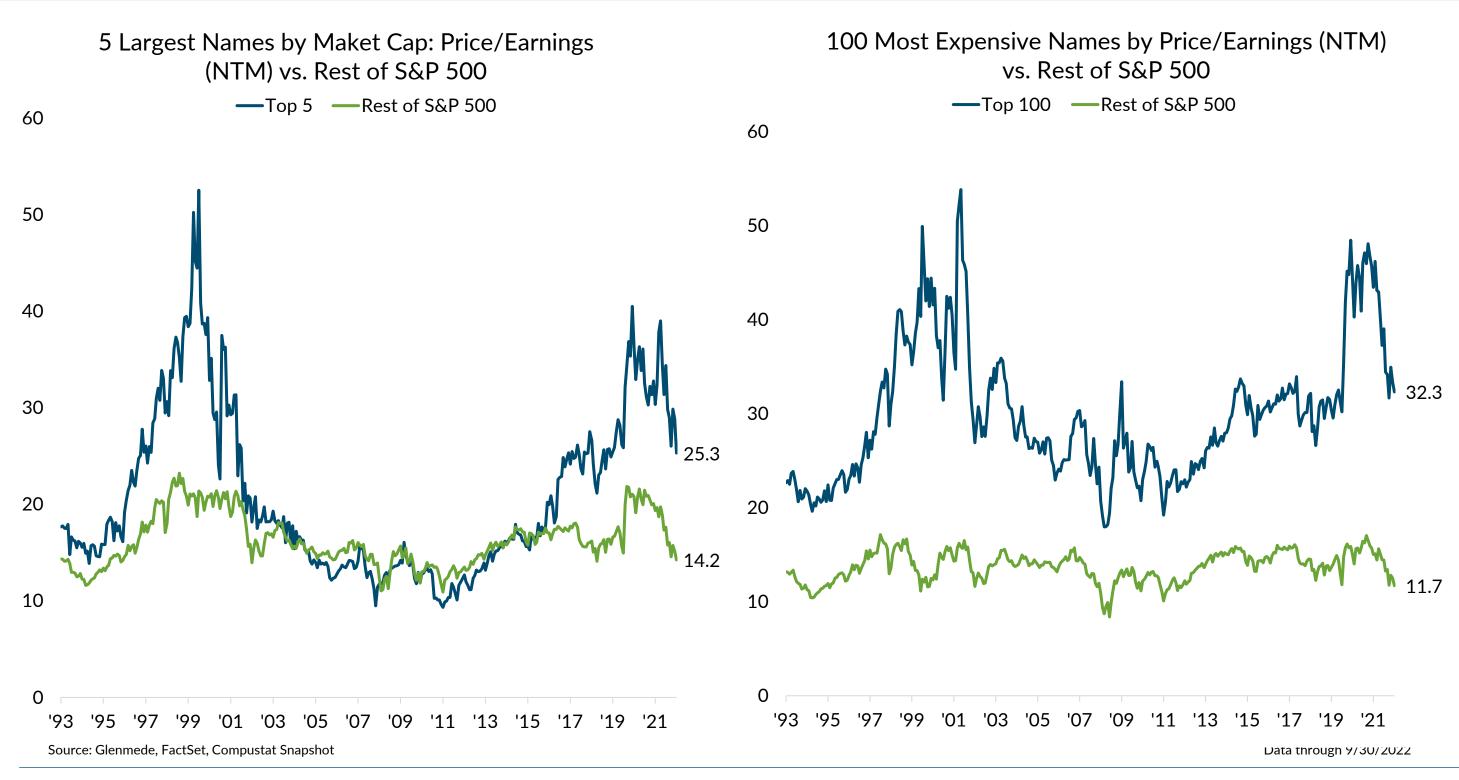


Framework for risk allocation indicates a larger underweight to equities is warranted

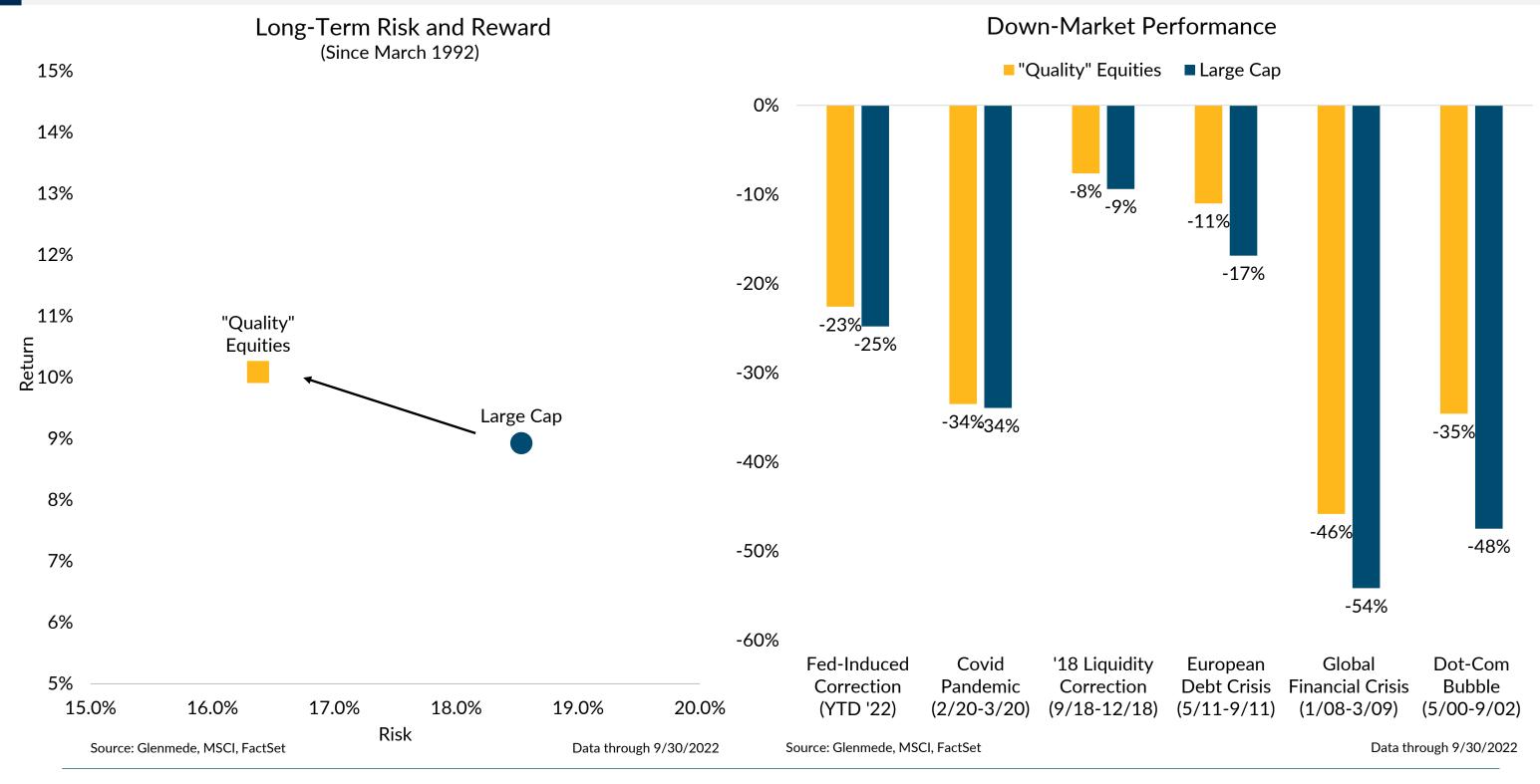
		Fundamental		
		Mid Cycle	Late Cycle	Recession
	Above 75 th	Neutral	↓	↓ ↓
Valuation (Equity Percentiles)	50 th to 75 th	↑	Neutral	\
	Below 50 th	↑ ↑	^	Neutral
↑ Overweight ↓ Underweight ☐ Current Position Number of arrows represent magnitude				

Source: Glenmede Data through 9/30/2022

Growth valuations are on a path back to normal levels

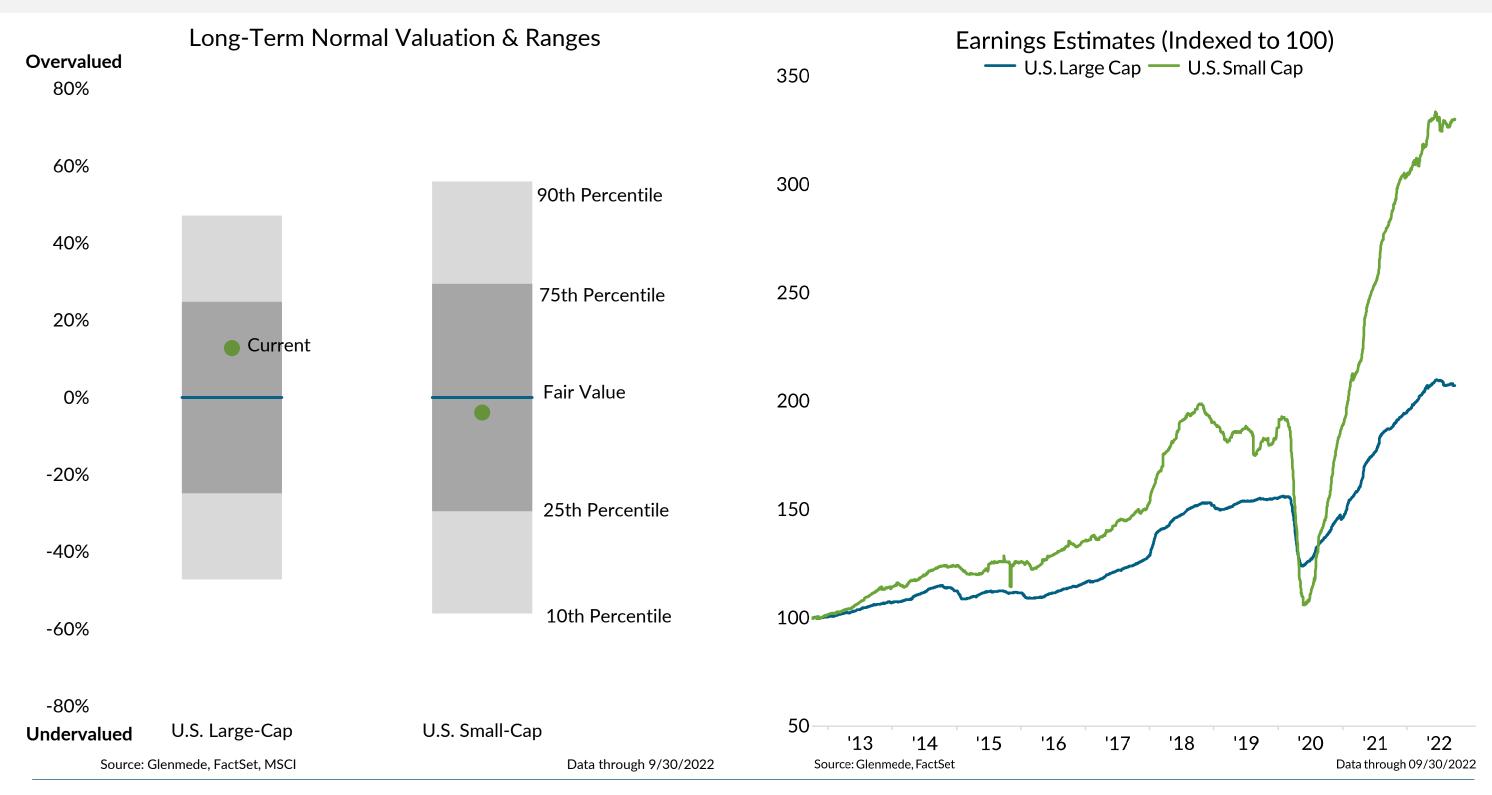


Quality equities should also provide added defense

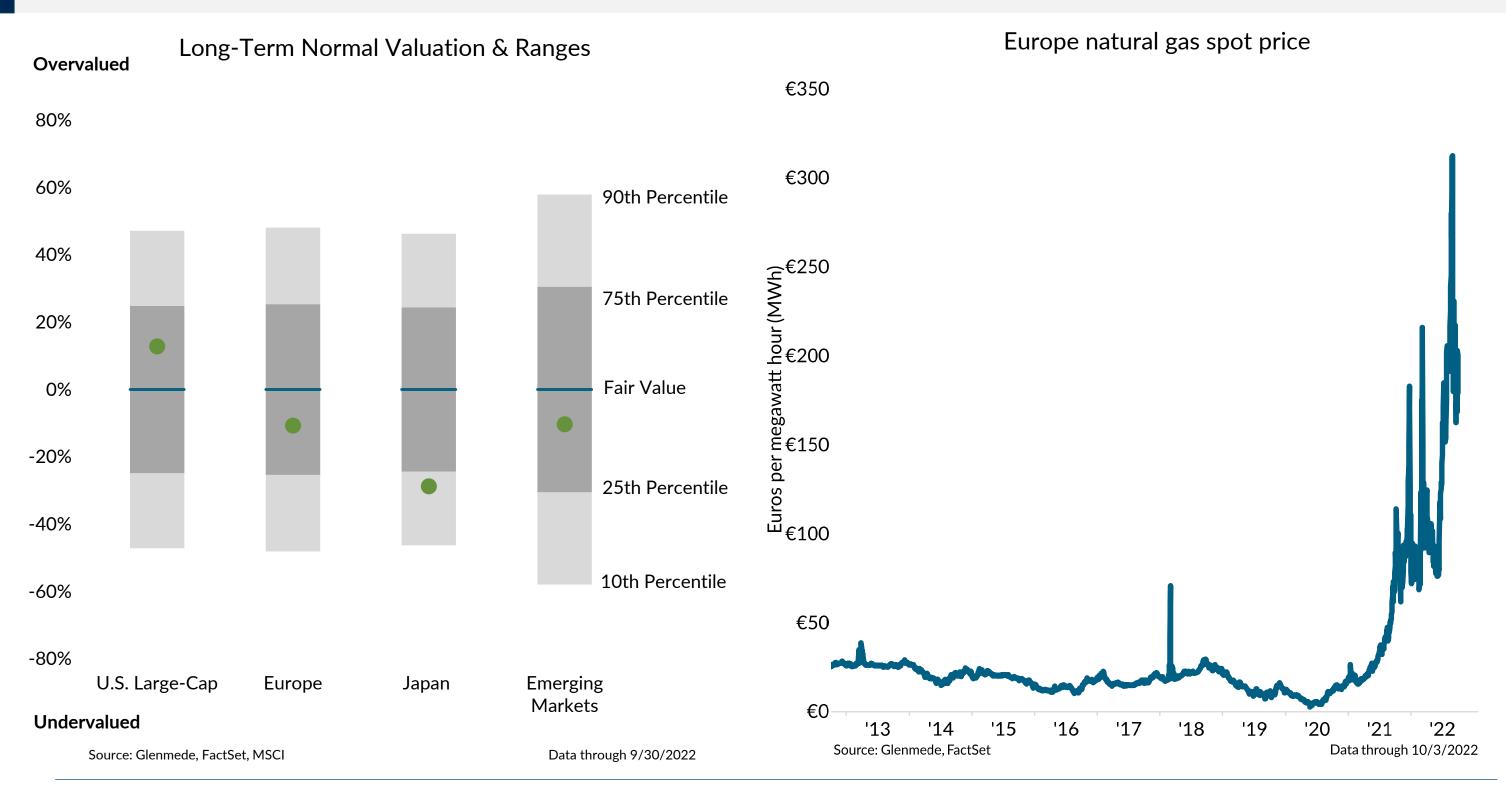


[&]quot;Quality" Equities is a 50%-50% mix of the MSCI USA Minimum Volatility and USA High Quality Equity indices. Large-cap is represented by the MSCI USA Index. Return is measured as the annualized total return from March 1992 until the specified data through date. Risk is measured by annualized standard deviation over the same period. Past performance is not indicative of future results. These are unmanaged, total return indices. One cannot invest directly in an index. Past performance may not be indicative of future results.

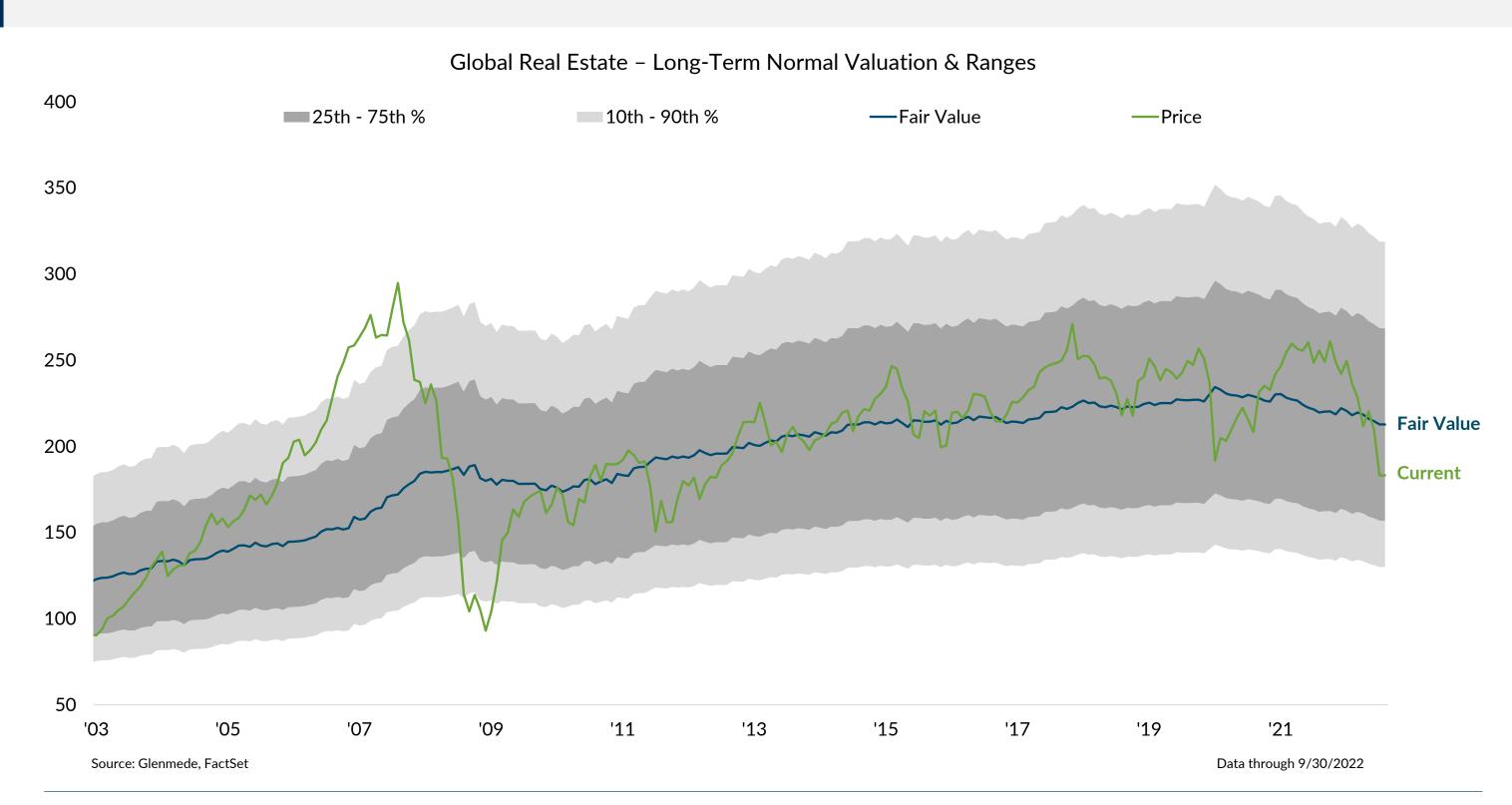
Small-caps offer fair valuations and more favorable growth



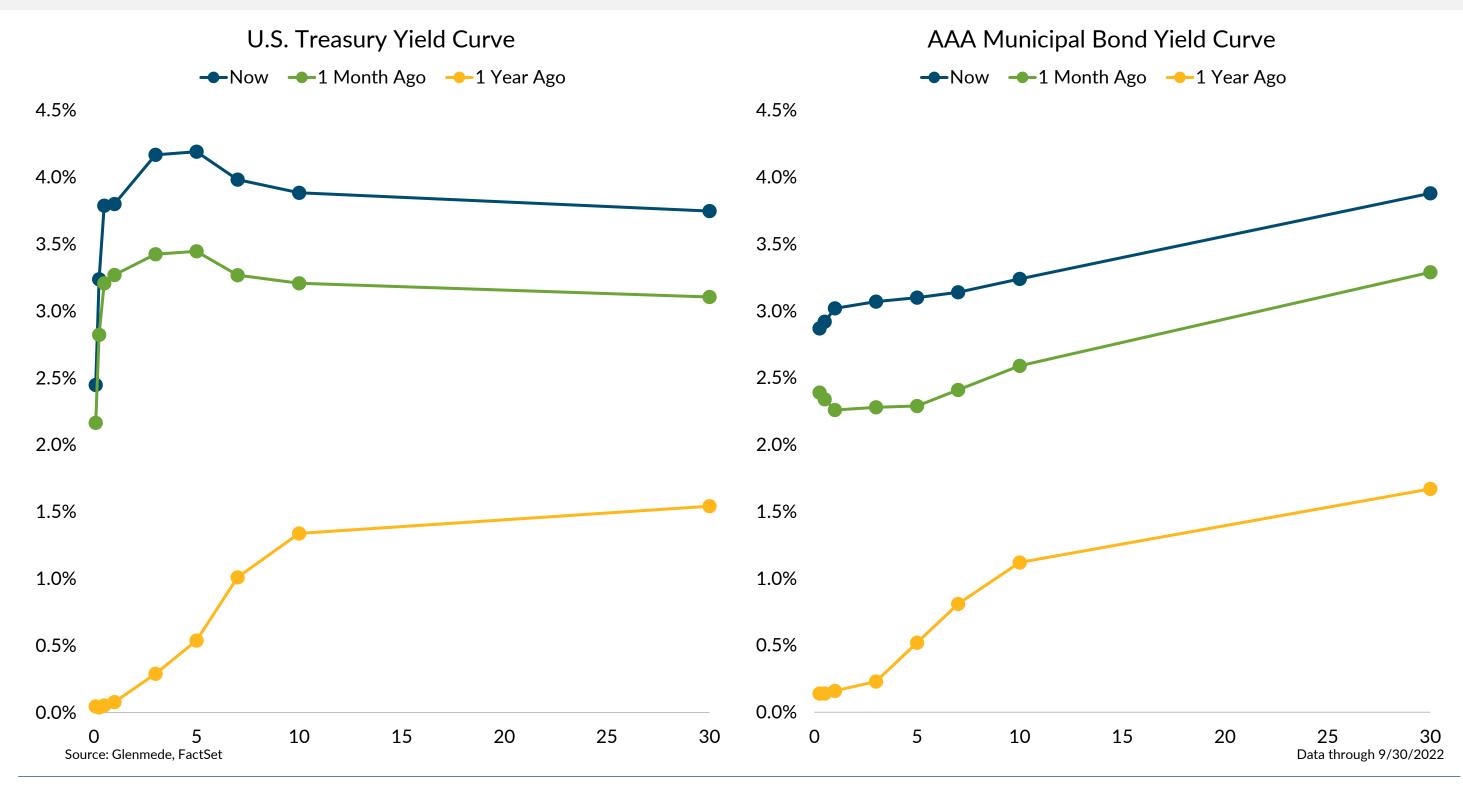
International's valuation discount reflects a more difficult economic environment



Real estate appears the most attractive opportunity



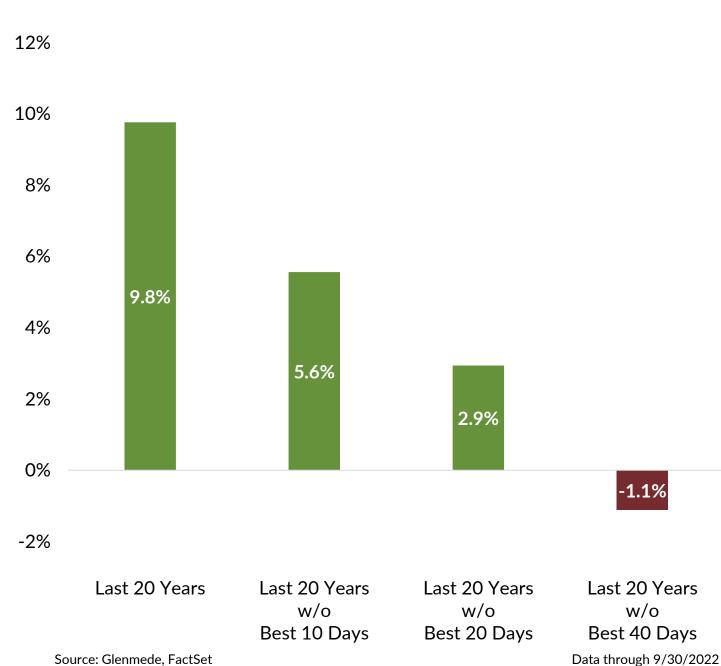
Rising interest rates means yields are now starting to look more attractive for bond investors



Exiting equity investments entirely can prove costly

Penalty for being out of the market

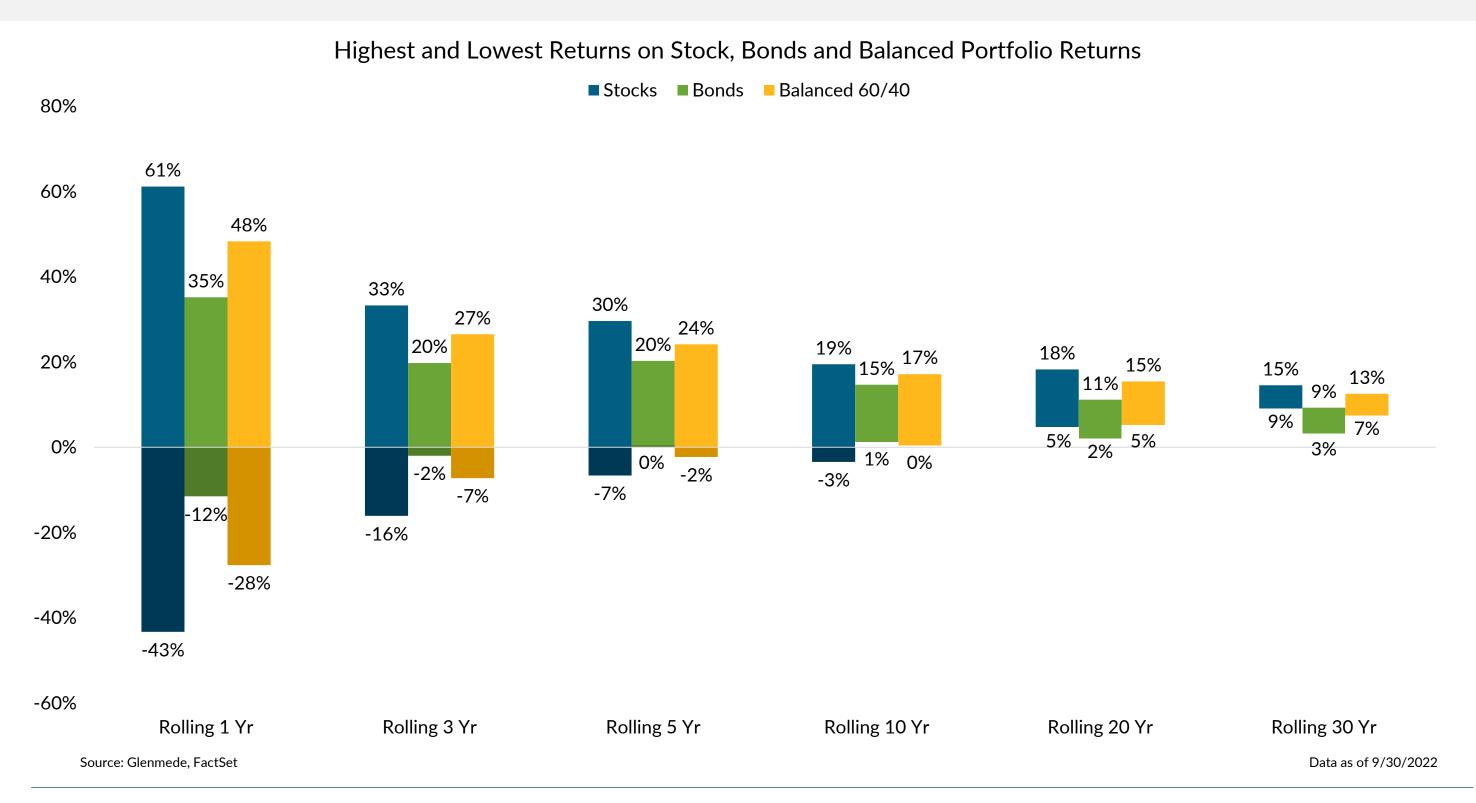
S&P 500 Annualized Total Return (2002 - 2022)



The best days for returns come when volatility is highest

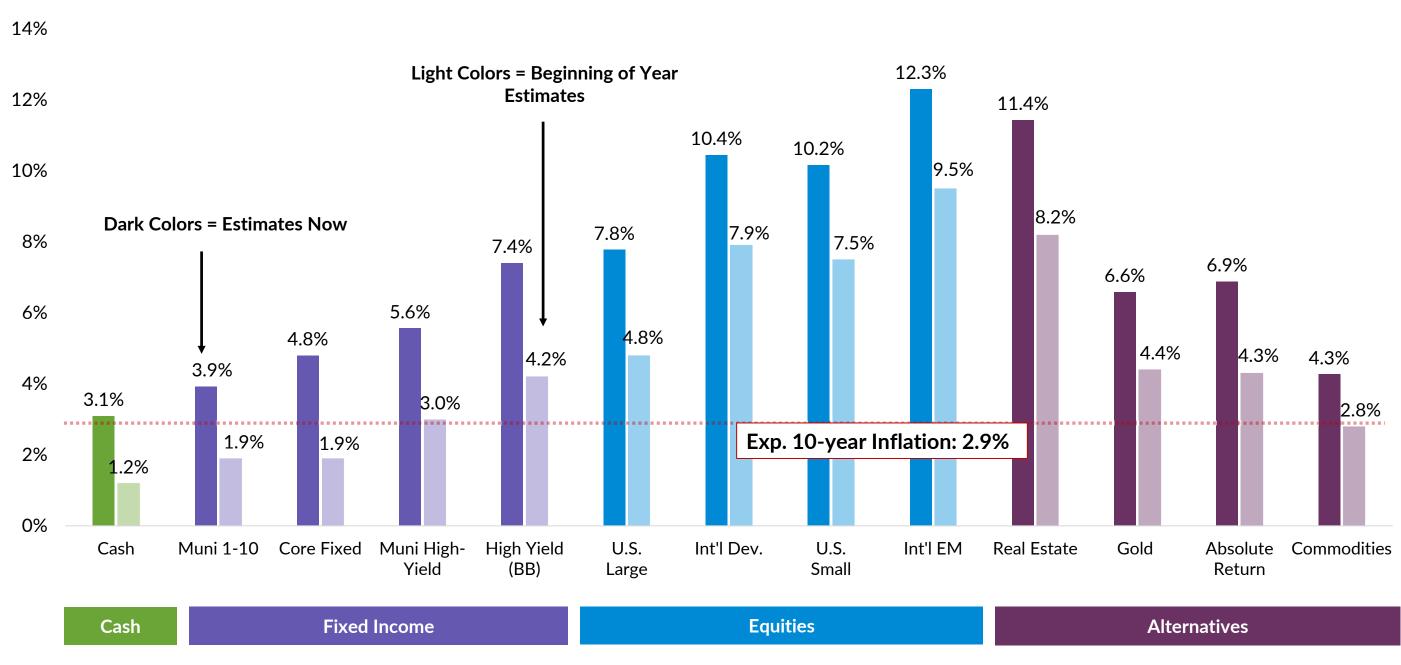
10 Best Days for the S&P 500 Since January 1, 1995			
Rank	Date	S&P 500 Return	VIX
1	10/13/2008	11.6%	55.0
2	10/28/2008	10.8%	67.0
3	3/24/2020	9.4%	61.7
4	3/13/2020	9.3%	57.8
5	3/23/2009	7.1%	43.2
6	4/6/2020	7.0%	45.2
7	11/13/2008	6.9%	59.8
8	11/24/2008	6.5%	64.7
9	3/10/2009	6.4%	44.4
10 Source: Glenmede, FactSet	11/21/2008	6.3%	72.7 Data through 9/30/2022

Long-term investors have time on their side in managing risk



Longer-term projected returns on most asset classes have risen materially

Projected 10-Year Returns by Asset Class



Source: Glenmede, FactSet Data through 10/04/2022

What to do and what to watch

Investment Positioning

Overall Portfolio Risk

□ Underweight market (equity) risk

Equities

- Overweight Large-Cap
- □ Overweight Small-Cap
- Underweight International

Fixed Income & Cash

- Overweight Fixed Income and Cash
- □ Favor shorter duration and opportunistic

Alternatives

☐ Modest overweight to Real Estate

What We're Watching

Geopolitical Conflict

 □ A resolution to the Russia/Ukraine conflict could reduce inflationary pressures

Late Cycle Dynamics

 Monitor magnitude of slowdown in consumer and business spending

Inflation & Fed Policy Mistake

 Federal Reserve is currently on a path to over-tighten, but may still adjust

Market Valuation/Sentiment

 Stay nimble amid volatility and fluctuating market sentiment