

Capital Markets

The RBC Macroscope

Bond Yields Take A Bite

RBC Capital Markets, LLC

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INVESTMENT STRATEGY RESEARCH | APRIL 25, 2022 For required conflicts disclosures, see page 213.

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This report is priced as of market close April 22, 2022 ET unless otherwise noted. All values in U.S. dollars unless otherwise noted.

US Equity Market Outlook: Bond Yields Take A Bite

In a Nutshell

Macroscope is our monthly chart book in which we update our thoughts on the US equity market outlook from both a top-down and bottom-up perspective. We review six DRIVERs of performance for a number of dimensions – the S&P 500, stocks vs. bonds, US vs. non-US, Growth vs. Value, S&P 500 sectors, Russell 1000 industries and factors, and Small Cap. The big things you need to know: (1) We are trimming our year-end 2022 S&P 500 price target from 5,050 to 4,860. The recent move up in bond yields was the biggest contributor to the downward revision to our forecast. (2) We think US equities are likely to keep benefiting from safe haven status for a bit longer. (3) We continue to be more intrigued with Growth than Value going forward, though we'd be highly selective in our Growth exposure. (4) While Small Caps are looking interesting again on valuation and positioning, we remain concerned that fundamentals will stay challenging for Small Caps given the downshift in economic expectations towards slower growth.

Trimming Our Year-End 2022 S&P 500 Price Target, Still Looking for Modest Gains on the Year & Upside From Now to Year-End

We've refreshed the models we use to arrive at our S&P 500 price target for the latest shifts in the macro variables that serve as inputs. Our analysis has prompted us to trim our year-end 2022 S&P 500 price target from 5,050 to 4,860, a cut of 3.7%.

Our updated price target of 4,860 is the average of 13 different scenarios that we examined (full details are on page 7). Our models point to a wide range of outcomes, as the most bearish is <4,400 and the most bullish is >5,200. Even though economic forecasts on the Street have been lowered, our GDP-based models – which bake in current consensus GDP forecasts as tracked by Bloomberg – remain among the more constructive ones, pointing to an S&P 500 that ends the year in the 4,800-5,300 range. Our sentiment models are also constructive, pointing to a year-end level of 4,742 (the number suggested by deeply bearish readings on the AAII survey – see pages 32-33) or 5,259 (the number implied when we bake in the average rebound off growth scare lows such as 2010, 2011, 2015-2016, and late 2018, which recent trading has mimicked, including the latest bout of weakness – see pages 8-9). One of our valuation models, which bakes in the average P/E contraction seen during the past five Fed hiking cycles (see page 39) does the best job of articulating the bear case (assuming recession and a broadening of the Russia/Ukraine war to NATO are avoided, key downside risks to our call), and suggests the S&P 500 should end the year a little below 4,400. Our cross asset analysis is in between, with our models comparing stocks to bonds (see pages 73, 76, and 77), arguing the S&P 500 deserves to end the year at 4,500-4,600.

As always, our approach to our targets is quantitative and data driven. We don't massage the data to fit the narrative we want to tell, but use it to help us understand what the narrative should be. The story the data is telling us right now is that economic forecasts haven't fallen enough to derail equities for the year (current consensus anticipates 2022 and 2023 real GDP of 3.2% and 2.1%, with odds of a US recession pegged at 25% – see pages 47-48), and that at the March 8th low – which stocks seem poised to retest – sentiment already priced in many of the challenges that equity market participants have been grappling with (at -17.5% last week on the 4-week average, net bulls on the AAII survey remain well below the -10% contrarian buy threshold that has been followed by 12-month forward returns of 15.5% in the S&P 500 in the past). Our valuation work also suggests that at the March 8th low, the S&P 500 may have largely baked in Fed tightening (assuming no recession follows), as the P/E contraction seen on March 8th was in line with the multiple contraction seen in past Fed tightening cycles. Like many other things associated with pandemic trading, it simply seemed to happen with a vengeance on an accelerated time frame.

The data is also telling us that the recent rise in 10-year yields has diminished, but not totally destroyed, the case for US equities for the remainder of the year. Other than reducing the influence of our GDP models in our targeting process, the biggest contributor to the reduction in our year-end S&P 500 target was the move in bond yields. What strikes us about these models is that they are arguing for slower gains in US equities going forward as opposed to declines. For example, the percent of stocks with a dividend yield in excess of the 10-year Treasury yield has fallen to 18% as of mid-April – a level consistent with a 5.1% gain in the S&P 500 on a 9-month forward basis. Additionally, when real yields are rising, 9-month forward S&P 500 gains have averaged 6.8%.

Executive Summary / Overview

US Equity Market Outlook: Bond Yields Take A Bite

US Equities Seem Likely To Keep Benefiting From Safe Haven Status for the Time Being

We continue to get questions about why US equities have been so resilient despite massive headwinds from Fed tightening fears, recession fears, and the Russia/Ukraine war. A number of the ideas embedded in our S&P 500 price target analysis speaks to this issue – the idea that Fed tightening was priced in at the March 8th low, that equities have been pricing in slower economic growth but not a recession (supported by ongoing resilience in high frequency economic indicators and earnings season commentary but an assumption that came into serious doubt this week with talk of a 75 bps hike), that sentiment has already gotten washed out, that buy-side margin expectations have been lowered while companies continue to manage through myriad challenges, and that higher bond yields are a problem for US equities but not a reason on their own to look for a down year – are all part of the answer to that question.

Another equally important part of the answer to this question is the idea that US equities are benefiting from safe haven status relative to other geographies. As we highlight on page 82, US equities have outperformed non-US equity since last summer, with leadership seeing another leg up in late February as Russia invaded Ukraine. The US dollar has rallied, and US equities have done what they normally do when this happens – outperformed their non-US peers (page 86). As we ran through the global section of Macroscope this month, one thing that jumped out to us is that most of the economic-related indicators that we use to monitor the US/non-US equity trade favor the US right now. Economic surprises look a bit better in the US right now than other major countries (page 87). Consensus GDP forecasts for 2022 are improving in the US relative to EU (page 89). Recession expectations have risen much faster for Europe than the US (page 90). And gauges of economic sentiment and economic policy uncertainty have been more resilient in the US than other major countries (pages 91 and 98). For now, the Russia/Ukraine war as well as COVID – which is hitting China hard – are being viewed by equity market participants as having fewer reverberations in the US. For now, this is overriding the expensive relative valuation profile of the US (page 85).

We Continue To Be More Intrigued With Growth Than Value Going Forward, but Would Stay Selective

In mid-March, sparked by the Fed meeting, the Growth trade started to outperform Value in a trade that lasted until early April. Since then Value has caught another tailwind and the relative ratio between the R1000 Growth and R1000 Value indices is right back where it was when it inflected in mid-March (page 101). Despite the shift in momentum back to Value in April, we continue to be more intrigued with Growth than Value going forward.

As we ran through the style section of Macroscope this month, we were struck by how many of our charts are looking better for Growth vs. Value or are making the case for Growth over Value again. From a bigger picture/longer-term perspective, four things are key to remember: (1) When US equities are outperforming non-US equities, Growth tends to outperform Value within the US (page 83); (2) Value typically outperforms ahead of 1st Fed rate hikes, but Growth tends to take leadership back during the hiking cycle (page 123); (3) Value typically outperforms when the economy is running above average, but Growth tends to take back leadership when the economy is running below average (page 121) as consensus expectations have started to anticipate for 2023 (consensus is at 2.1% per Bloomberg) and 2024 (consensus is at 2%), but not yet for 2022 (consensus is at 3.2%); and (4) Growth is higher quality than Value quantitatively (page 112), a factor that tends to outperform over time and when uncertainty is high and rising.

There are a few other tactical indicators that we are watching on this trade that also keep us looking for Growth leadership to return sooner rather than later: (1) Nasdaq futures positioning among asset managers has been recovering after hitting 2020-2021 lows – suggesting to us that Growth got oversold (page 115). (2) ETF flows are starting to fade for Value while improving for Growth (page 127); (3) While Growth doesn't look cheap relative to Value on P/E yet, the relative P/E has returned to pre-pandemic levels (page 116); (4) Growth is starting to look slightly attractive vs. Value on normalized P/Es and cash flow multiples (page 118); (5) The compression in the Growth/Value relative P/E tends to move in sync with the relative long-term EPS growth expectation of the two style segments – a gap that had been narrowing but now appears to be stabilizing (page 110); (6) The rate of upward EPS estimate revisions slightly favors Value over Growth at the moment but less so than recent months (page 109).

Executive Summary / Overview

US Equity Market Outlook: Bond Yields Take A Bite

It is important to stress, however, that we'd be highly selective in our Growth exposure. We continue to like Large Cap Information Technology, which has modestly attractive valuations vs. the S&P 500 (page 152), strong EPS/sales revisions trends vs. other sectors (page 149), a high quality profile relative to other sectors (page 138), an optimistic outlook from RBC's analyst teams in our latest analyst survey (page 140), a strong ESG profile (page 139), less risk from Russia/Ukraine (pages 159-160), and stronger ETF flows than other parts of the Growth trade (page 163). By contrast, we've stayed market weight Consumer Discretionary and Communication Services, which have weaker EPS and sales revisions trends, are more exposed to the consumer, have seen weaker ETF flows, have a less exciting ESG profile, and more cautious outlooks from our analyst teams than the Technology sector.

Note that while we understand the impulse to shift towards defensive sectors given their tendency to outperform following first Fed rates hikes and the economic fears that are swirling, we are struggling to figure out exactly what we'd want to buy in the defensive part of the stock market. Generally, we find that defensive sectors are already overvalued with poor earnings revisions trends and low quality profiles. As investors navigate the defensive parts of the market in the very near term, the results of our latest analyst survey taken in late March are worth keeping in mind. Among the defensive sectors, our survey found the most constructive views from our Health Care analysts and the least constructive views from our Consumer Staples team, which sees risk in the back half of the year and 2Q reporting season. Our REITs and Utilities teams came in more neutral on their performance outlooks, with our REITs' team becoming more constructive over the past few months. For additional details on our sector views, see our sector scorecard on page 141.

Valuations and Positioning Have Improved for Small Cap, but We Suspect Fundamental Conditions Will Stay Challenging a Bit Longer for Them

Small Caps have been trading sideways relative to Large Caps since late January (page 175). While we acknowledge that the set-up for Small Caps has improved – something that keeps us constructive on the broader market through year-end – we still see some fundamental challenges for Small Caps that keep us skeptical of the idea of returning to an overweight on Small Cap vs. Large Cap.

To be sure, Small Caps are looking better on our positioning/sentiment and valuation work. Sell-side ratings are on the rise for the Russell 2000 relative to Mega Caps (page 184), and Small Cap futures positioning among asset managers appears to have bottomed after hitting 2016 lows on a dollar value basis and 2020 lows on a number of contracts basis (page 185). Additionally, the Russell 2000's weighted median forward P/E multiple has dipped slightly below its long-term average again (page 186) – similar to what we saw in early 2020 – and continues to look deeply discounted relative to the S&P 500 (page 187). When we dig down deeper into the Russell 2000, we find all of the market cap quintiles within the index look reasonably valued or deeply undervalued (page 190), a change from the past few years when the biggest stocks (which tend to be the most investable) still looked expensive even though the smallest stocks looked cheap.

While these improvements could justify taking a more neutral posture on Small Cap relative to Large Cap as opposed to an underweight stance, at least for longerterm investors, we've been reluctant in recent client conversations to recommend a shift back to overweight on Small Cap relative to Large Cap. As we ran through the Small Cap section of Macroscope this month, we were reminded by one chart after another that Small Caps still have a massive challenge in place given the concerns swirling around earnings and the economy. On earnings, we continue to see evidence that Small Caps are having a tougher time managing through margin pressures. The rate of upward EPS estimate revisions has been far weaker for the Russell 2000 than the S&P 500 (page 182), and the rate of change on Small Cap margins has been trailing that of Large Cap margins, something that is normally accompanied by Small Cap underperformance relative to Large Caps (page 180). On the economy, we think we need to get deeper into the cyclical cooling off that's currently underway before taking a more constructive stand on Small Caps. On this point, it's important to keep in mind that Small Caps reliably tend to see a major peak in performance vs. Large Cap in the middle of Fed hiking cycles (see page 202), arguably this peak got pulled forward into 2021, and typically underperform Large Caps when GDP is trending below average (page 193). Small caps also tend to lag when ISM manufacturing is falling (page 195), when Small Business optimism is waning (page 194), and when high yield credit spreads are widening (page 199) – all reminders that when it comes to Small Cap returns, perceptions of how the economic backdrop is changing can matter the most.

Broader US Equity Market Outlook

US Equities Generally Including The S&P 500



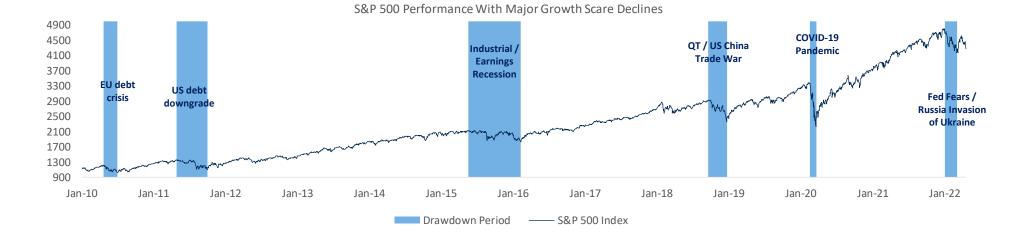
Our Current Thinking on the Year-End Level for the S&P 500 in 2022

- Our updated price target of 4,860 is the average of 13 different scenarios that we examined. Our models point to a wide range of outcomes, as the most bearish is <4,400 and the most bullish is >5,200.
- Even though economic forecasts on the street have been trimmed, our GDP-based models which bake in current consensus GDP forecasts as tracked by Bloomberg
 – remain among the more constructive ones, pointing to an S&P 500 that ends the year in the 4,800-5,300 range.
- Our sentiment models are also constructive, pointing to a year-end level of 4,742 (the number suggested by deeply bearish readings on the AAII survey) or +5,200 (the number implied when we bake in the average rebound off growth scare lows such as 2010, 2011, 2015-2016, and late 2018, which recent trading has mimicked even with the latest bout of weakness).
- One of our valuation models, which bakes in the average P/E contraction seen during the past five Fed hiking cycles does the best job of articulating the bear case (assuming recession and a broadening of the Russia/Ukraine war to NATO are avoided, key downside risks to our call), and suggests the S&P 500 should end the year a little below 4,400.
- Our cross asset analysis is in between, with our models comparing stocks to bonds, arguing the S&P 500 deserves to end the year at 4,500-4,600. These models are
 where we saw some of the biggest downward revisions since our last update.

| Fundamentals/Economy | | Implied Level | % from 12/31/21 |
|---------------------------------|--|---------------|------------------------|
| GDP Regression (2022) | Implied year-end 2022 level based on consensus GDP forecasts (3.1% as of mid April 2022) | 5,137 | 7.8% |
| Economic Momentum (2022) | Decelerating & Below Avg GDP Growth (Current year avg return; 2022 consensus is 3.1% & Porcelli is at 2.5% as of mid April 2022) | 5,281 | 10.8% |
| Economic Momentum (2023) | Decelerating & Below Avg GDP Growth (Prior year avg return, 2023 consensus is 2.1% as of mid April 2022) | 4,800 | 0.7% |
| | | | |
| Valuation | | Implied Level | <u>% from 12/31/21</u> |
| Flat Next Year P/E | P/E at 20.8x (12-31-21 price / bottom up consensus 2022 EPS forecast of \$230) on \$252 (consensus bottom up EPS forecast for 2023) | 5,228 | 9.7% |
| Contracted Next Year P/E Due To | P/E at 17.3x (16.5% contraction - avg Fed hikes impact - to 12-31-21 price / bottom up consensus 2022 EPS forecast of \$230) on \$252 (bottom up | | |
| Fed Hikes | consensus EPS forecast for 2023) | 4,366 | -8.4% |
| | | | |
| Sentiment | | Implied Level | <u>% from 12/31/21</u> |
| Contrarian Bearishness | Avg 9 month fwd return when AAII net bulls <10% on the 4 week avg (11%) vs. 4/22/2022 close | 4,742 | -0.5% |
| Growth Scare Rebound | Avg 9 month fwd rebound from post Fin Crisis growth scare trough (26.1%) vs.YTD low (3/8/2022) | 5,259 | 10.3% |
| | | | |
| Policy | | Implied Level | <u>% from 12/31/21</u> |
| United Democratic Leadership | Avg full year return when Democrats control White House, Senate & House | 5,243 | 10.0% |
| Election Cycle | Avg full year return in 2nd year of Presidential term / Midterm Election Year | 5,043 | 5.8% |
| QT/Geopolitics | 2018 full-year decline in the S&P 500, the best example of full-year impact of QT/geopolitical risk hitting stocks | 4,471 | -6.2% |
| | | | |
| Cross Asset | | Implied Level | <u>% from 12/31/21</u> |
| Dividend Yield Test | Avg 9M Fwd Retum (5.1%) when <20% of S&P 500 stocks have div yield above 10 Yr Yld (18% as of mid April 2022), vs 4/22/22 close | 4,490 | -5.8% |
| Earnings Yield Gap Test | Avg 9M Fwd Retum (6.8%) since 1989 when earnings yield gap (based on FY2 P/E & 10 Yr) is 1-2 standard deviations below the post GFC avg (- | | |
| | 1.8 as of mid April 2022) vs. 4/22/22 close | 4,561 | -4.3% |
| Real Yield Test | Avg 9M Fwd Return (6.8%) since 2010 when real yields are rising | 4,562 | -4.3% |

Broader US Equity Market / Performance Context

Post-GFC Growth Scares Have Been Accompanied by Drawdowns in the 14–20% Range



S&P 500 Growth Scare Pullbacks Post 2010: Peak To Trough Declines & Performance Post Trough

| | S&P | 500 Decline Deta | ils | | | |
|--------------------|-------------|-------------------------------|---------------------|-----------------------|-----------|-------------------|
| Peak Date | Trough Date | Duration (# Calendar Days) | Peak Price Level | Trough Price Level | % Decline | 9 Month Return |
| 04/23/2010 | 07/02/2010 | 70 | 1217 | 1023 | -16.0% | 30.3% |
| 04/29/2011 | 10/03/2011 | 157 | 1364 | 1099 | -19.4% | 25.0% |
| 05/21/2015 | 02/11/2016 | 266 | 2131 | 1829 | -14.2% | 18.3% |
| 09/20/2018 | 12/24/2018 | 95 | 2931 | 2351 | -19.8% | 27.3% |
| 01/03/2022 | 03/08/2022 | 64 | 4797 | 4171 | -13.0% | |
| Median ex current | | 126 | | | -17.7% | 26.1% |
| Average ex current | | 147 | | | -17.3% | 25.2% |

The early 2022 drawdown totaled 13% as of the March 8^{th} low – a little shallower than other post GFC growth scares.

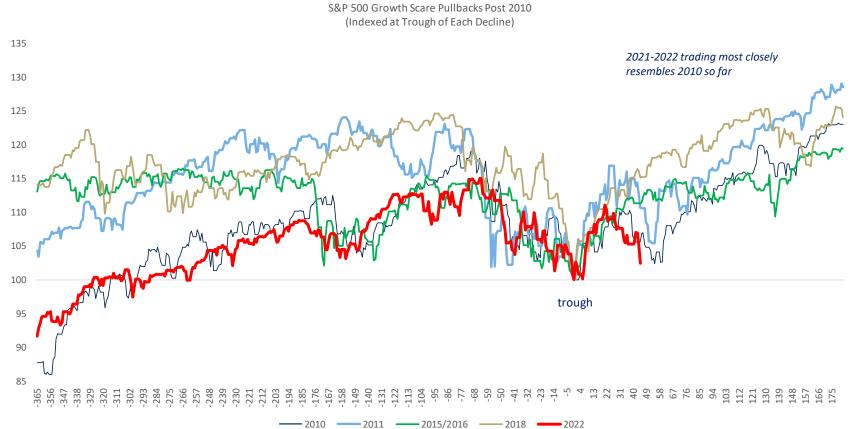
A median growth scare drawdown would take the S&P 500 to ~3,950 while a late-2018-type drawdown would take the S&P 500 to ~3,850. We see that as the potential downside level to watch if the March 8th lows don't hold and recession is avoided.

Nine months post-growth scare troughs, stocks tend to be 25-26% higher. A 26% move off the March 8th low would take the index above 5,200.

Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

Broader US Equity Market / Performance Context

Growth Scare Declines Take 2-9 Months, Recoveries Take 4-5 Months



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| | | S&P 500 Perfe | ormance With Maj | or Growth Scare Declines | | | |
|--|------------|---------------|------------------|--------------------------|---------------|---------------|-----------------------------|
| | | | Duration in # of | Drawdown Duration | Full Recovery | Full Recovery | Full Recovery Duration From |
| | Peak Date | Trough Date | Calendar Days | Esimated # of Months | Date | Duration | Trough Esimated # of Months |
| 2010 - European Debt Crisis | 04/23/2010 | 07/02/2010 | 70 | 2 | 11/04/2010 | 125 | 4 |
| 2011 - US Debt Downgrade | 04/29/2011 | 10/03/2011 | 157 | 5 | 02/24/2012 | 144 | 5 |
| 2015 / 2016 - Industrial Recession | 05/21/2015 | 02/11/2016 | 266 | 9 | 07/11/2016 | 151 | 5 |
| 2018 - QT / US-China Trade War | 09/20/2018 | 12/24/2018 | 95 | 3 | 04/23/2019 | 120 | 4 |
| 2022 - Fed Tightening / Russia Invasion of Ukraine | 01/03/2022 | 03/08/2022 | 64 | 2 | TBD | TBD | TBD |
| Average ex 2022 | | | 147 | 5 | | 135 | 5 |
| | | | | | | | |

Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

Broader US Equity Market / DRIVERs Overview

Our DRIVERs Still Tilt Positive for the Broader US Equity Market

Deals & **Cash Deployment**

Modest Positive

Overall corporate confidence, capex expectations, and tech spending expectations appear to have peaked, but remain at high levels.

Cash levels remain elevated (despite ticking lower) and debt levels have fallen along with interest expense, suggesting balance sheets are being well managed. Debt paydown discussion surged in 2021.

Commentary on buybacks, dividends, and capex has been on the rise, but a softening in ISM new orders may foretell a coming moderation in capex.

The case for stocks from a dividend perspective vs. bonds has deteriorated as just 18% of S&P 500 companies have a dividend yield higher than the 10-year yield, which calls for more muted returns in the S&P 500 going forward.

The dividend yield appeal of the S&P 500 has dwindled. with just 18% of stocks having a dividend yield above the 10year Treasury yield as of mid-April, something that tends to be followed by 7.8% in the US equity market.

Revisions & Earnings

Neutral

S&P 500 EPS forecasts have moved up in the aggregate, supported by a few key sectors. Under the surface, the down around pandemic lows rate of upward EPS estimate revisions for the S&P 500 has turned slightly negative despite gains in the US equity market ongoing positive revisions for revenues.

Margin trends have been outperforming commentary on margins, with demand still strong, pricing power robust, and an emphasis on cost savings and productivity offsetting inflation, labor, and supply chain challenges for now. While the sell-side has looked for flattening margins across the broader S&P 500. the buy-side has been anticipating margin contraction alreadv.

Investor Sentiment & Positioning

Strong Positive

Retail investor sentiment has been deeply bearish on the AAII survey, but has been and at levels that in the past have been followed by strong over the next 12 months. Institutional investors have also been deeply pessimistic, with Nasdag and Russell 2000 futures positioning among asset managers returning to levels consistent with past

From an asset allocation perspective, US equities look over owned among US households & professional investors, with US equity stakes in line with or above past highs. But this seems unlikely to change much as long as inflation remains elevated. Over time, equity ownership in US households (as a percent of financial assets, net of cash and bonds) has tracked CPI.

lows before starting to

recover.

Valuation vs. **History & Bonds**

Neutral

Bottom-up valuations have improved but don't look cheap yet. Our bottom-up market cap weighted forward P/E of the index is well below peak, but still remains a little less than 1 standard deviation above its LT average.

The top-down forward S&P 500 P/E appears to be baking in the Fed hiking cycle already. The multiple contracted by 20% on the March 8th low in the index and had contracted ~16% as of March month end – in line with past Fed hiking cycles which saw multiple compression of 7-21% over the past few decades.

Stocks still look attractive when we look at earnings vields vs. treasuries. though far less so than usual. Mid-April levels are consistent with 12month forward S&P 500 returns of 6-9%.

Economy & Policy

Mixed

The high frequency indicators we track show signs of consumer spending shifting from goods to services, with some slippage on same-store sales but improvement/stability in dining, flying, public transportation and back to work. GDP forecasts have been trimmed but for now, the economic narrative driving stocks appears to be one in which economic growth decelerates back to trend much more quickly than anticipated. This is supportive of further gains in the S&P 500 this year should it hold up. Expectations for a recession have been rising, but are still only 25% according to Bloomberg's survey of professional forecasters, similar to 2011 and 2015-2016 when major growth scares occurred.

On fiscal policy, mid-term years are often challenging for stocks with below-trend returns. But there is some optimism embedded in the market about the midterms, which are widely expected to shift Congressional control back to Republicans.

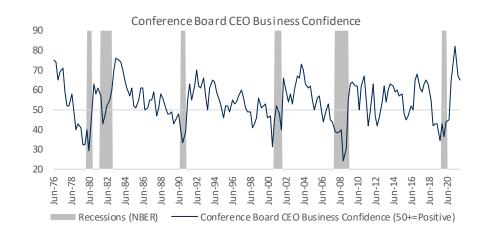
Foreign policy is a key risk to monitor. A broadening out of the Russia/Ukraine war to include NATO or use of nuclear weapons doesn't appear to be baked in based on our survey work, though prolonged sanctions/stalemate are.

Retail Money Flows

Neutral

US equity flows were briefly positive earlier this year, but non-US flows and bond flows have seen momentum shift back in their favour of late. ESG flows which have been another source of buying power for US equities, have stayed positive despite moderating from last year's peak.

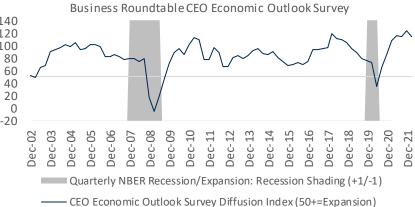
C Suite Confidence Appears To Have Peaked on Most Surveys



Chief Executive Magazine CEO Confidence

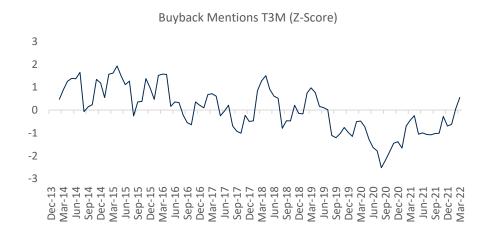


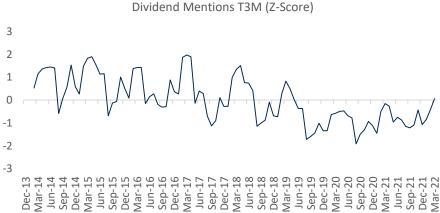


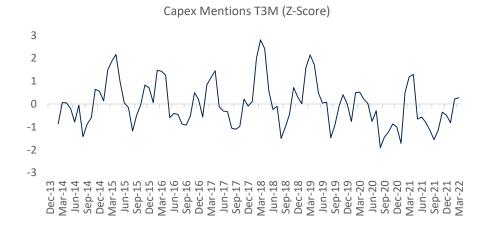


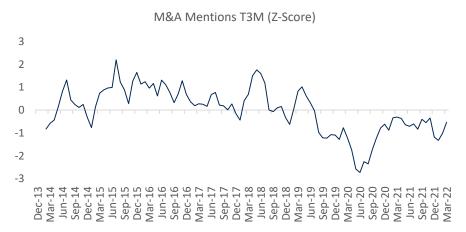
Source: RBC US Equity Strategy, Haver Analytics, Bloomberg; all charts quarterly as of 1Q22 except for Chief Executive Magazine which is monthly as of April 2022

Buyback, Dividend & Capex Discussions Picking Up, M&A Discussion Has Been Stable



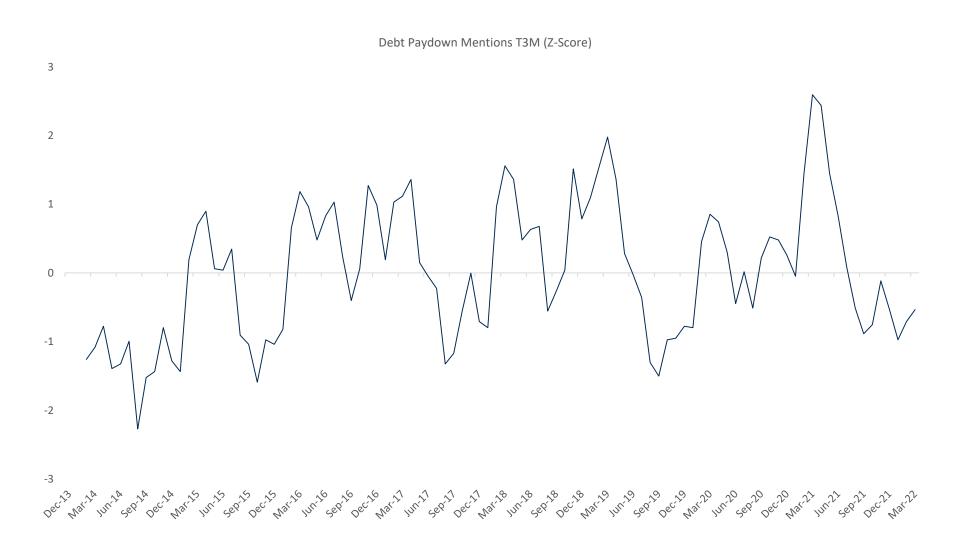






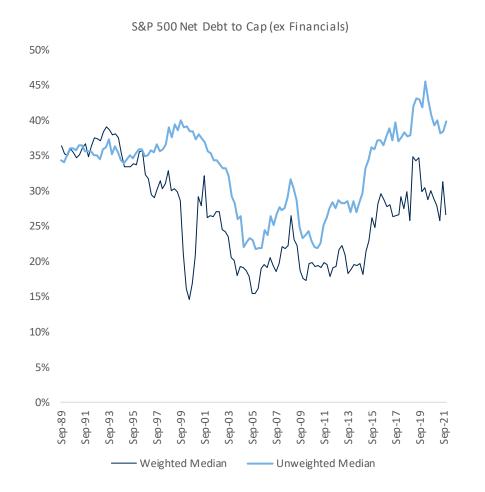
Source: RBC US Equity Strategy, Bloomberg; transcript analysis is based on mentions through earnings calls and other event transcripts for S&P 500 companies, latest data point is as of March 2022

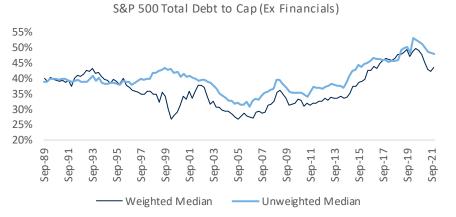
Debt Paydown Discussion Has Eased After Spiking in 2021



Source: RBC US Equity Strategy, Bloomberg; transcript analysis is based on mentions through earnings calls and other event transcripts for S&P 500 companies, latest data point is as of March 2022

Debt Levels Have Been High, but Are Coming Down





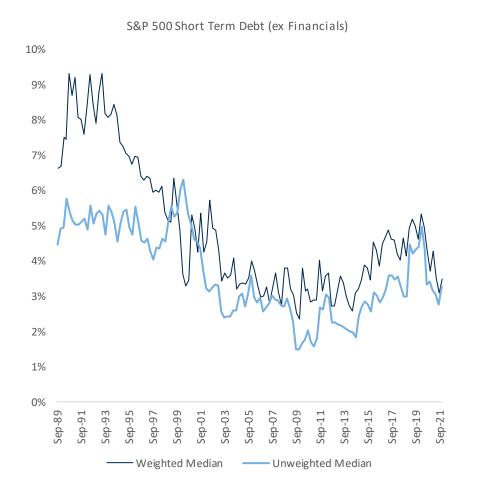


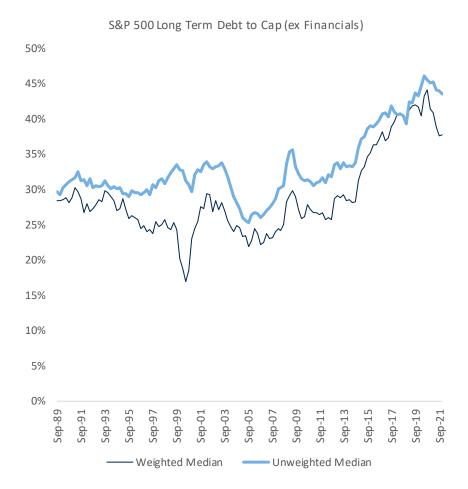
20%



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Compustat; note that changes to lease accounting procedures took effect in 1Q19; latest data point is 4Q21

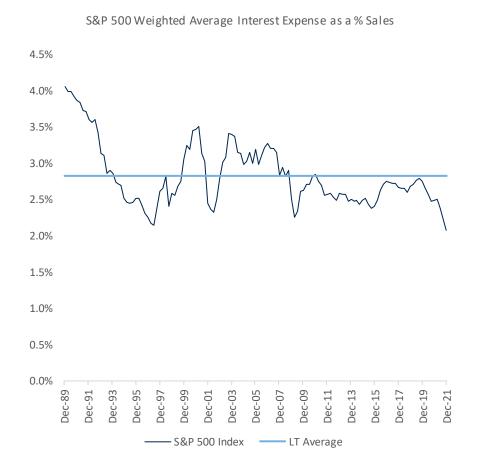
Short-Term and Long-Term Debt Has Been Coming Down





Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Compustat; note that changes to lease accounting procedures took effect in 1Q19; latest data point is 4Q21

Interest Expense Fell Sharply Ahead of Fed Liftoff





S&P 500 Average Interest Expense as a % Sales

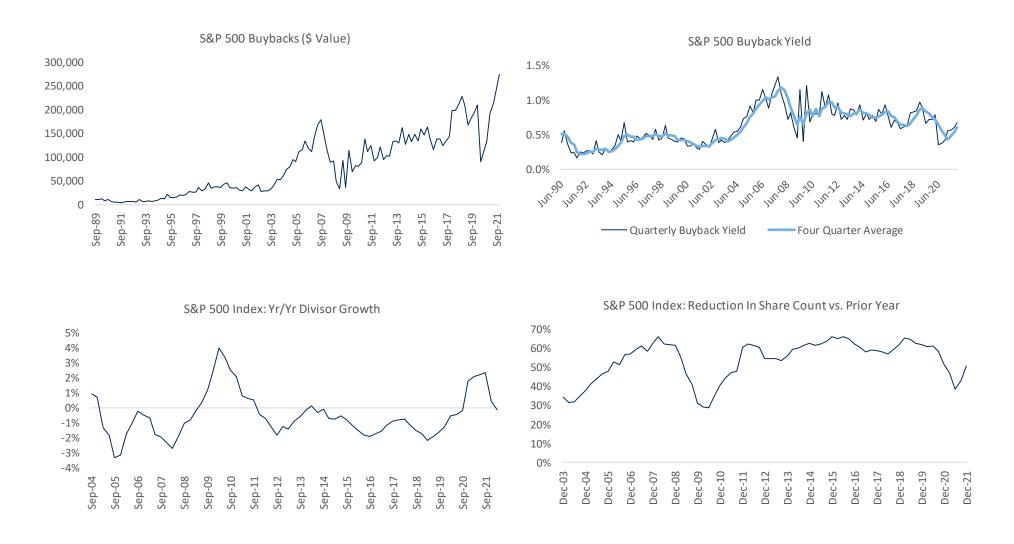
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Compustat; latest data point is 4Q21

Most Companies Have Long Leads on Repayment

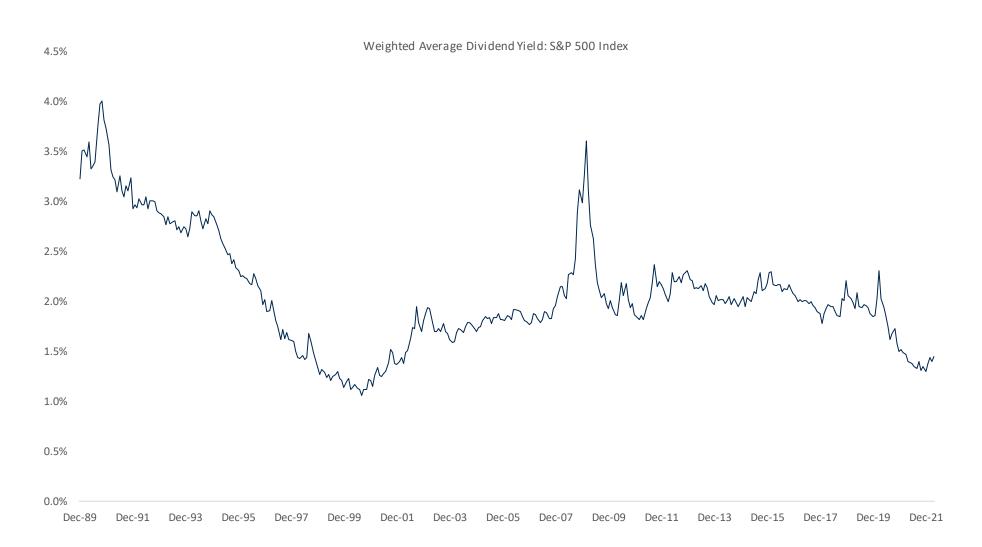
45% 41% 40% 35% 30% 25% 25% 21% 20% 15% 10% 10% 5% 2% 0% < 2 Years 2 - 5 Years 5 - 10 Years 10 - 15 Years > 15 Years

S&P 500 Companies: Breakdown of Wgt Average Maturity Dates (% Companies)

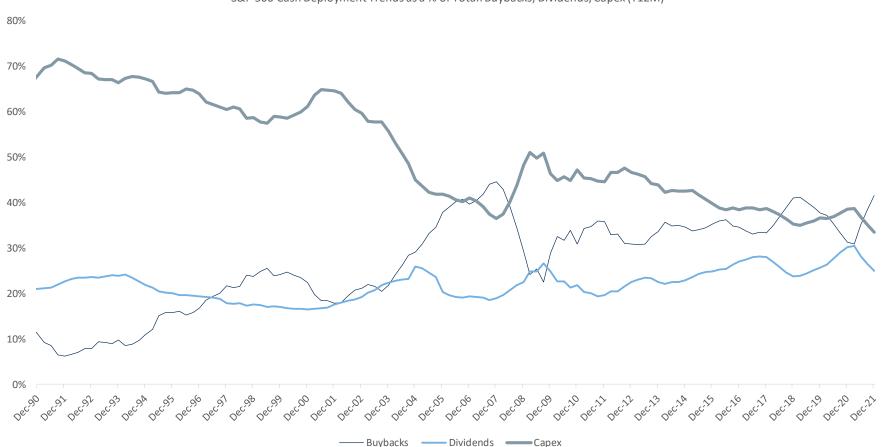
Buybacks Have Bounced Back



The S&P 500's Dividend Yield Has Stabilized



Buybacks Favored Over Dividends & Capex in Recent Years



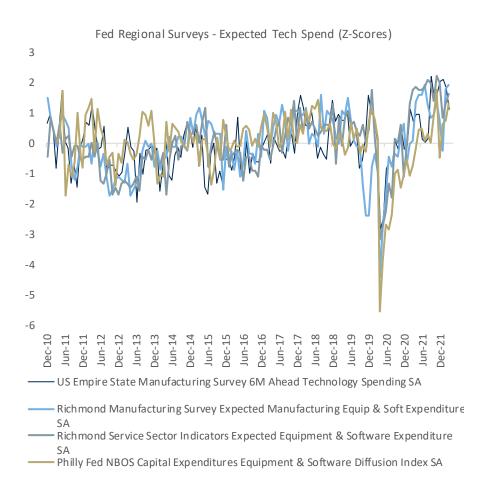
S&P 500 Cash Deployment Trends as a % of Total: Buybacks, Dividends, Capex (T12M)

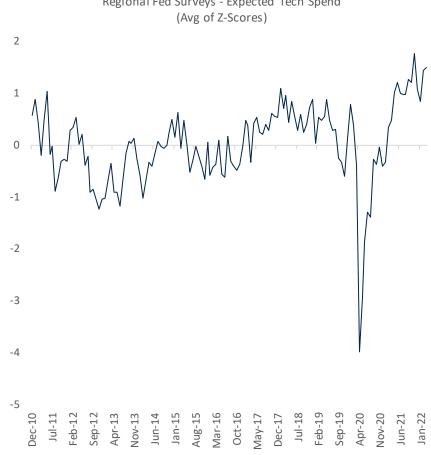
Capex Expectations Have Slipped/Stalled, but Generally Remain at Healthy Levels



Source: RBC US Equity Strategy, Haver, Bloomberg; all charts monthly through March 2022 except Business Roundtable through 1Q22 and Philly and Empire Fed through April 2022

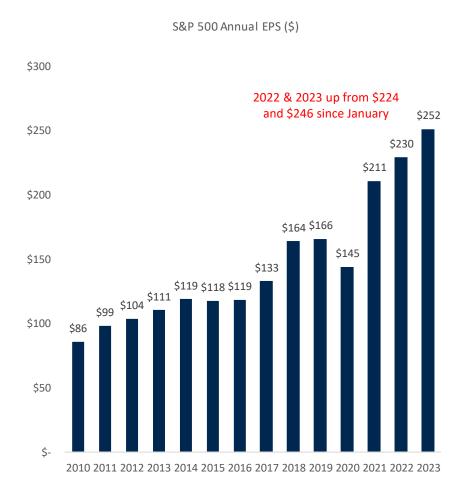
Tech Spending Expectations May Have Peaked but Remain Robust

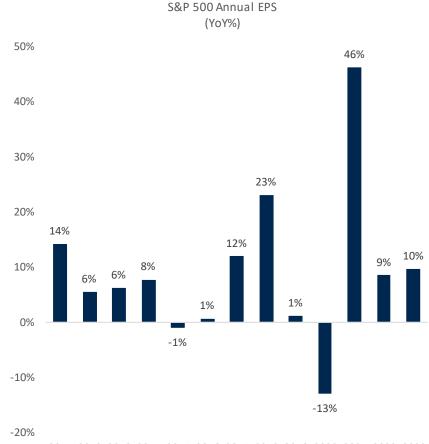




Regional Fed Surveys - Expected Tech Spend (Avg of Z-Scores)

Consensus EPS Forecasts for the S&P 500 Have Moved Up

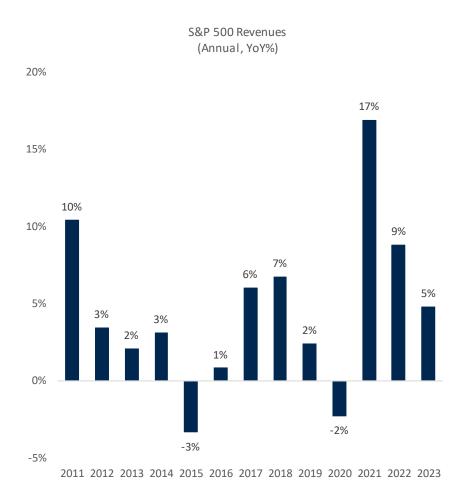


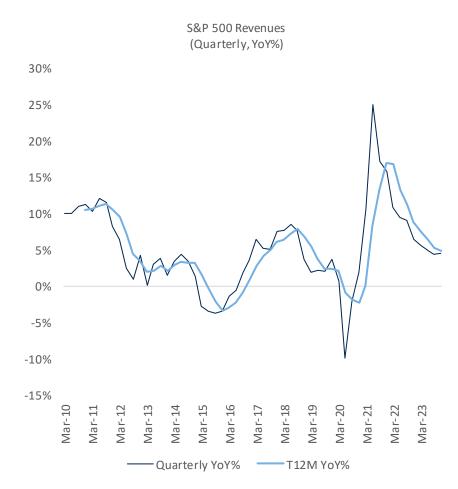


2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Source: RBC US Equity Strategy, Bloomberg; as of April 8th, 2022; 2022-2023 are bottom-up sell-side consensus forecasts as tracked by Bloomberg

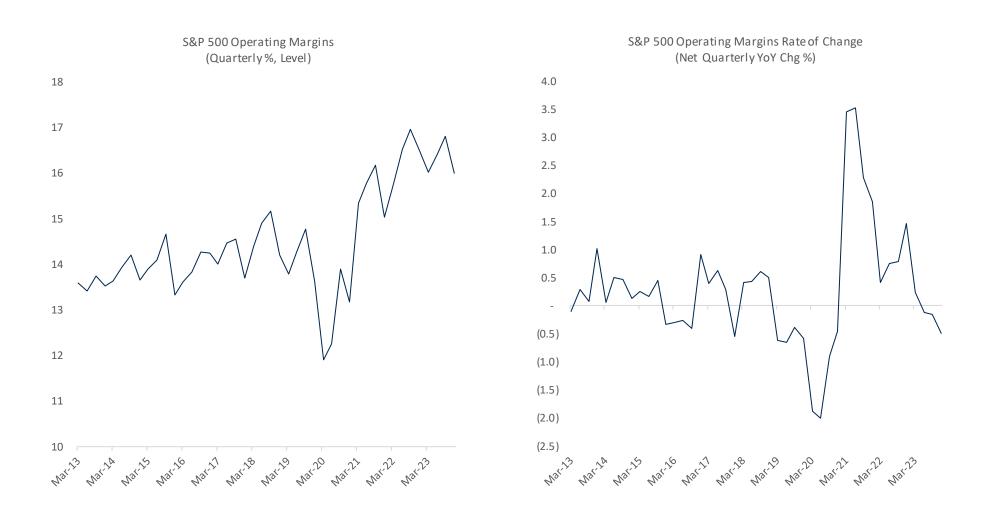
Consensus Expects Revenue Growth to Decelerate in 2022-2023, After Peaking in 2021





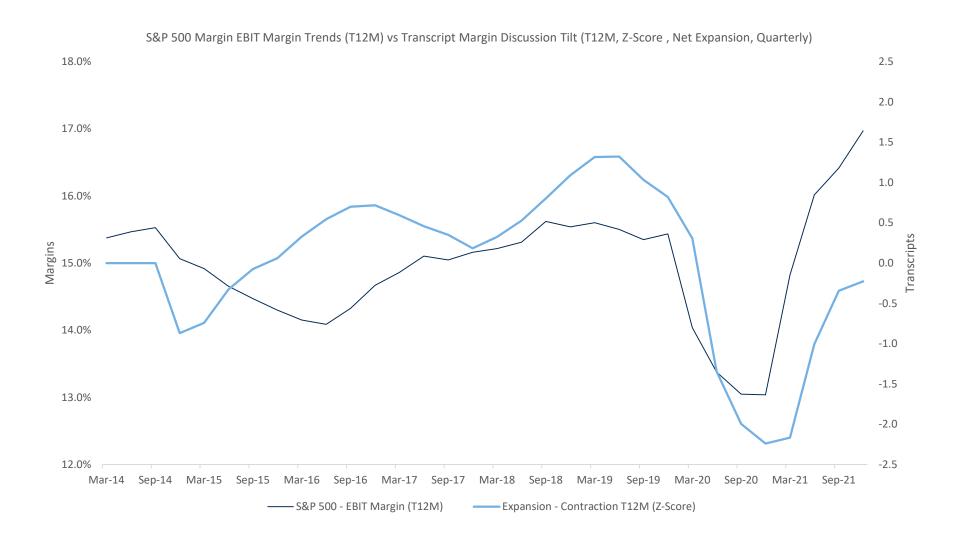
Source: RBC US Equity Strategy, Bloomberg; as of April 20, 2022; 2022-2023 are bottom-up sell-side consensus forecasts as tracked by Bloomberg

Consensus Expects Margins to Flatten Out in 2022-2023, After Peaking in 2021



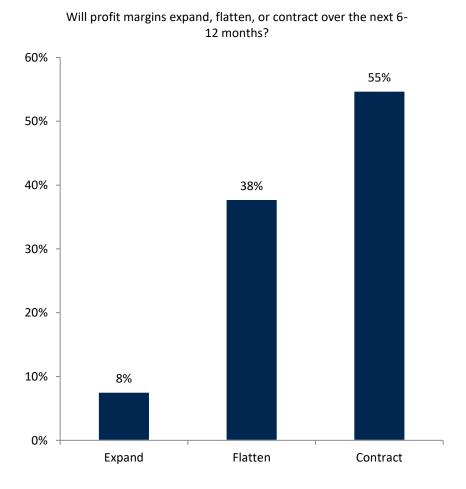
Source: RBC US Equity Strategy, Bloomberg; as of April 20, 2022; 2022-2023 are bottom-up sell-side consensus forecasts as tracked by Bloomberg; excludes REITs and Financials

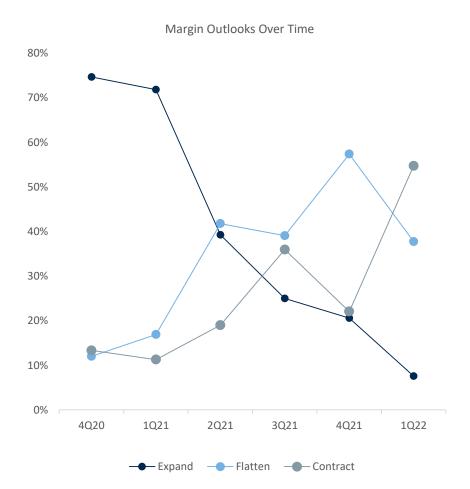
Actual Margin Trends Have Been Tracking Better Than Company Commentary in Transcripts



Source: RBC US Equity Strategy, Bloomberg, Transcript analysis based on mentions through earnings calls & other event transcripts for S&P 500 companies, latest data point is as 4Q21 for both transcripts and margin trends

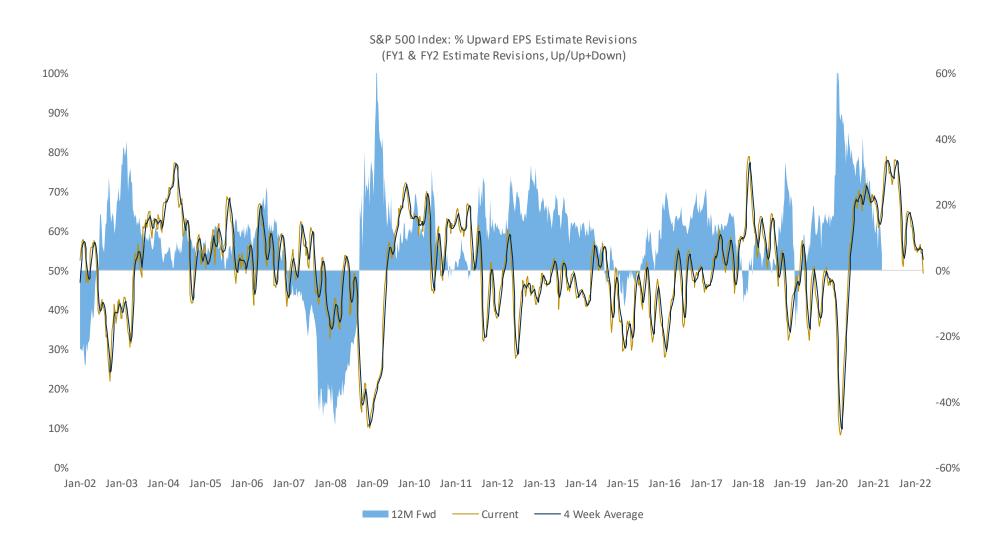
Most US Equity Investors Expected Margin Contraction by a Wide Margin in Our Late-March Survey





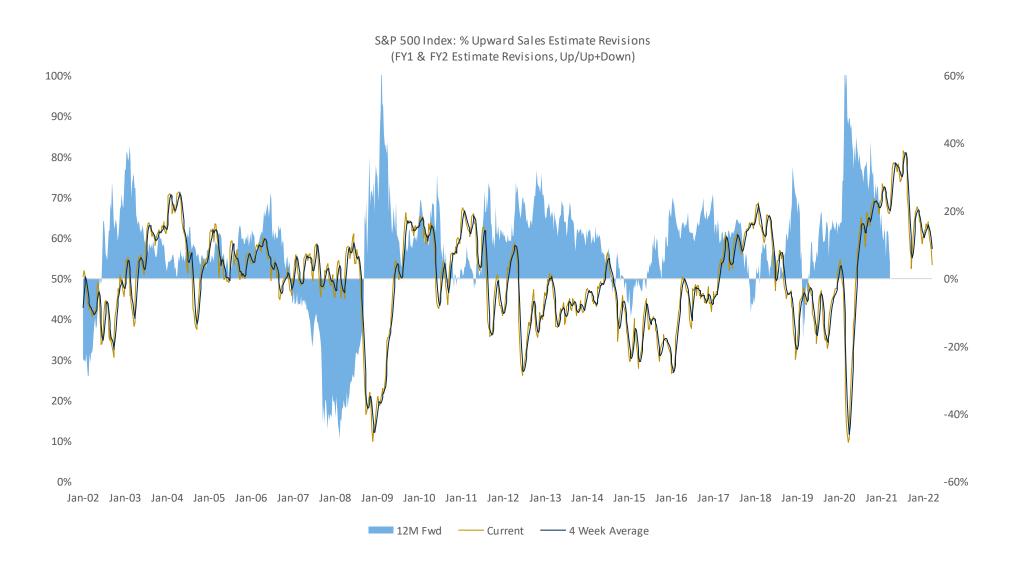
Source: RBC US Equity Strategy; survey taken March 28th-31st, 2022 of 106 institutional investors

EPS Revisions Have Faded for the S&P 500, Are Back in Slight Negative Territory

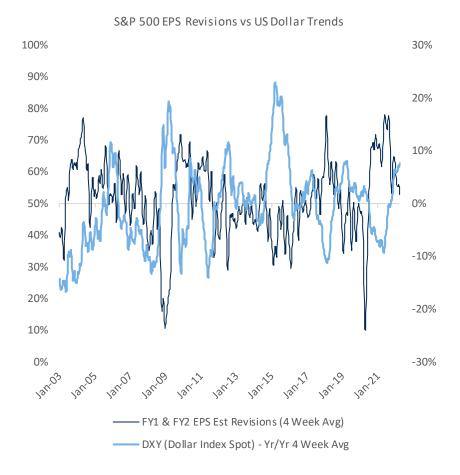


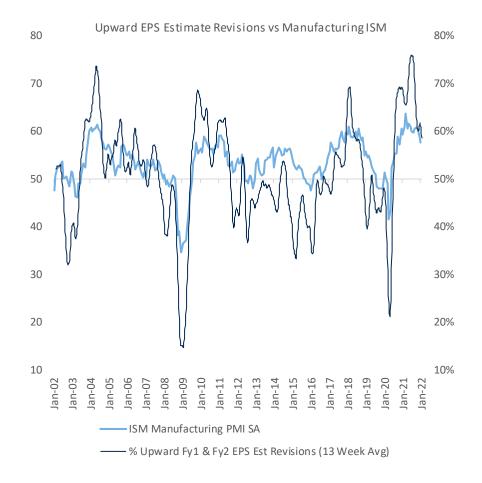
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, CIQ estimates. For REITS, FFO/share revisions are used instead of EPS revisions; as of April 15, 2022

Sales Revisions Still Slightly Positive for the S&P 500



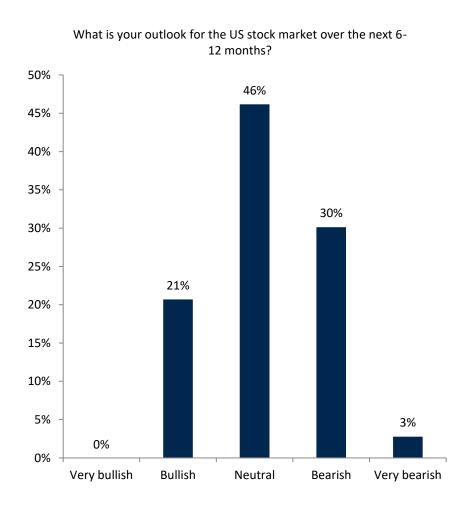
Stronger Dollar & Weakening ISM Mfg Typically Coincide With Weaker EPS Revisions Trends

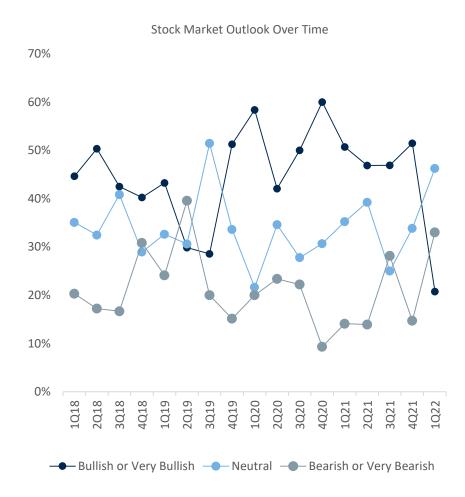




Source: RBC US Equity Strategy, CIQ estimates, S&P Capital IQ/ClariFI, Bloomberg. Revisions as of April 15, 2022; DXY as of April 8, 2022; ISM as of March 2022

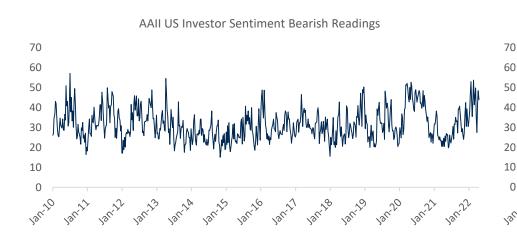
The Bears Outnumber the Bulls, for the 1st Time Since Mid-2019





Source: RBC US Equity Strategy

Bulls Retreating Again in April, While Bears Re-Emerge



AAII US Investor Sentiment Bullish Readings 120-10 121-11 121-12 Jan-13 121-22 land land land land land land land land 121-21

70

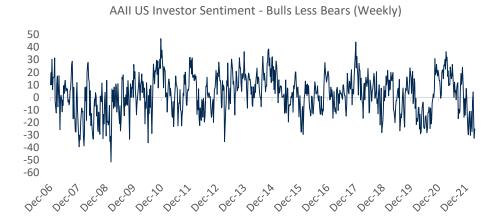
60

50

30

20 10

0

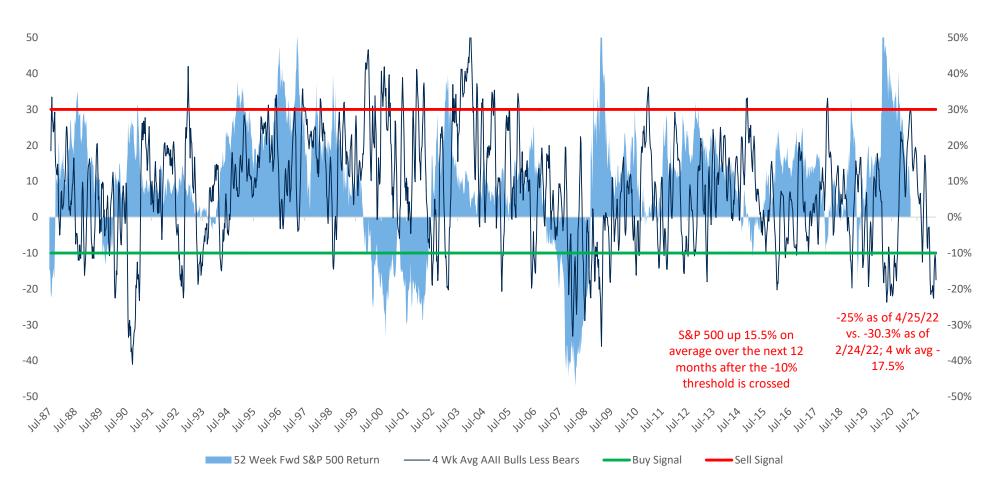


Avg S&P 500 Fwd Return since 1987 when 4 Week Avg AAII Bulls Less Bears Spread is below -10



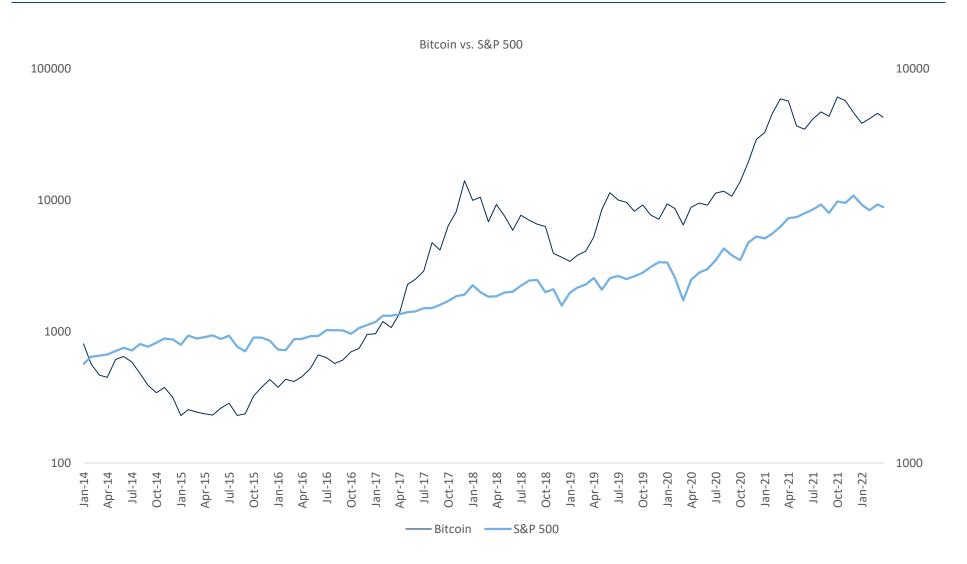
Source: RBC US Equity Strategy, AAII, Bloomberg; as of April 21, 2022

Individual Investor Sentiment Still Deeply Bearish, a Contrarian Buy Signal

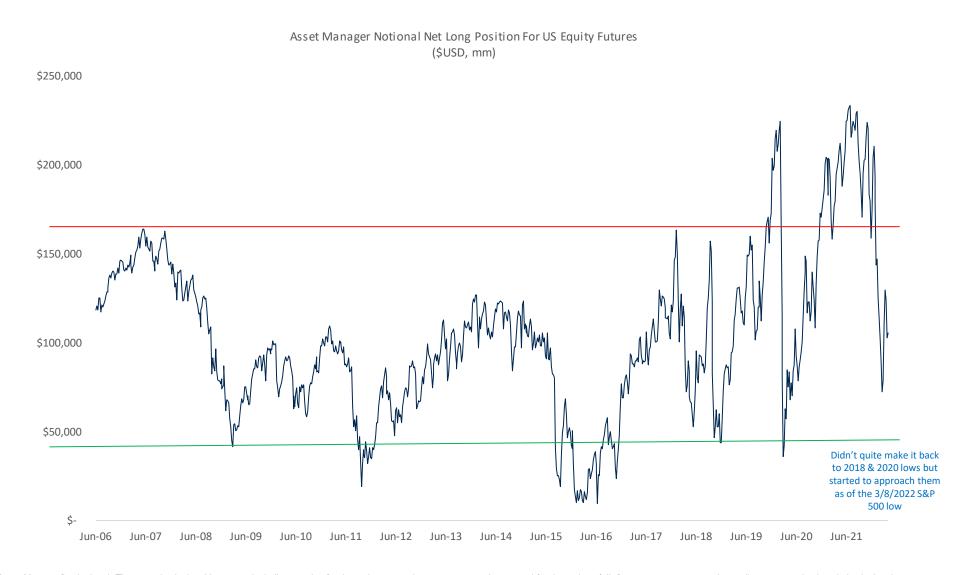


AAII Bulls Less Bears (4 Week Avg) vs. 12 Month Forward S&P 500 Return

Bitcoin and the S&P 500 Have Become Correlated Risk Assets

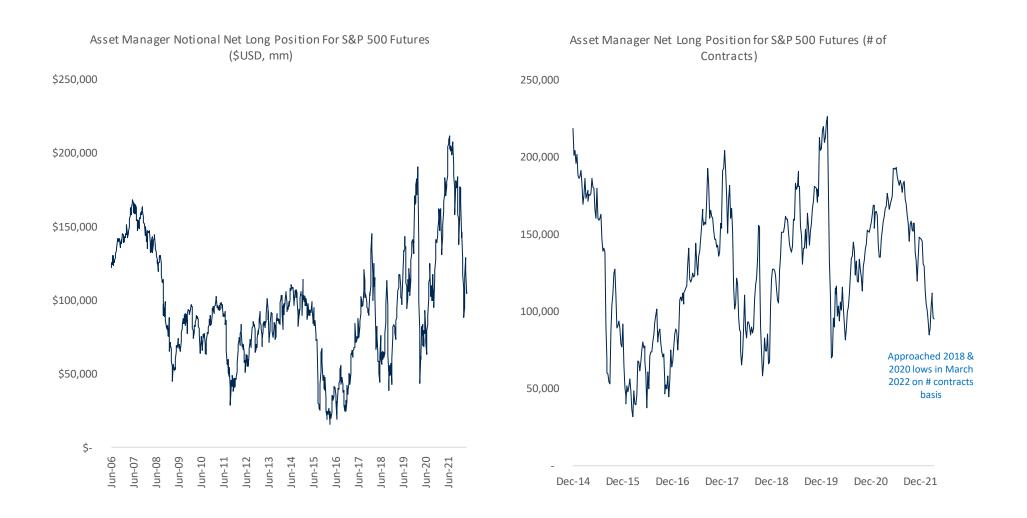


Asset Managers' US Equity Futures Positioning Bounced in March After Falling Sharply



Asset Manager/Institutional: These are institutional investors, including pension funds, endowments, insurance companies, mutual funds, and portfolio/investment managers whose clients are predominantly institutional. Source: RBC US Equity Strategy, RBC Futures Desk, CFTC; as of April 19, 2022

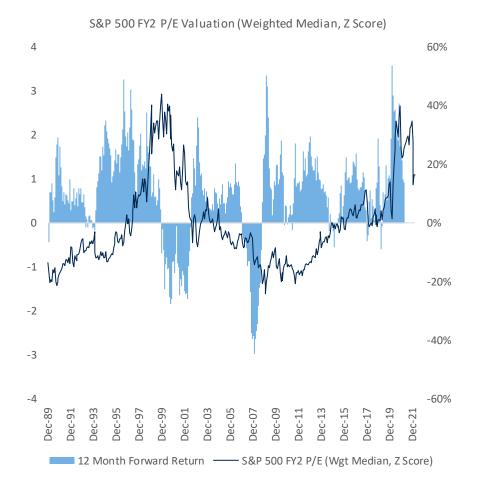
Positioning in S&P 500 Futures Has Stabilized After Declining Sharply

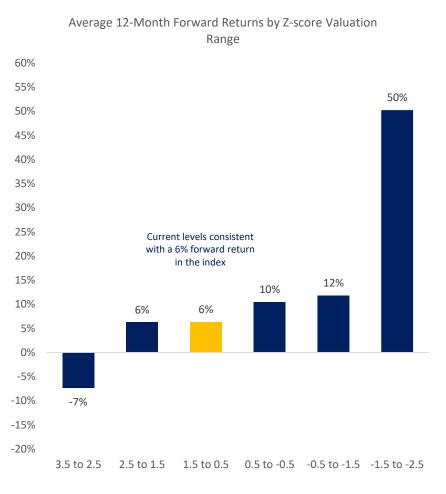


Asset Manager/Institutional: These are institutional investors, including pension funds, endowments, insurance companies, mutual funds, and portfolio/investment managers whose clients are predominantly institutional. Source: RBC US Equity Strategy, RBC Futures Desk, CFTC; as of April 19, 2022

Broader US Equity Market / Valuation

S&P 500 Still Elevated, but Well Below Peak, on Bottom-Up Forward P/Es





Bottom-Up S&P 500 Valuations Still Elevated on Most Metrics

| COD 500 Laws Ca | | | | | | | | | | | | | | | | | | |
|------------------|---------|------------|-------------|-----|------|-----------|----------|---------|--------|--------|----------|---------|---------|---------|-----|---------|---------|--------|
| S&P 500 Large Ca | - | | | | | | | | | | | | | | | | | |
| | LTM P/E | Norm P/E | Norm P/E | | | LTM | LTM | LTM | LTM | LTM | LTM | NTM P/E | FY1 P/E | FY2 P/E | | NTM | | |
| Unweighted | ex neg | ex neg - 5 | ex neg - 10 | LTM | LTM | EV/EBITDA | P/EBITDA | EV/EBIT | P/EBIT | P/OCF | P/FCF ex | ex neg | ex neg | ex neg | NTM | P/CF ex | FY2 PEG | Price/ |
| Medians | EPS | Yr Avg | Yr Avg | P/S | EV/S | ex neg | ex neg | ex neg | ex neg | ex neg | neg | EPS | EPS | EPS | P/S | neg CF | ex neg | Book |
| Current | 24.5 | 33.4 | 39.8 | 3.2 | 3.8 | 14.6 | 12.2 | 20.5 | 16.8 | 16.4 | 22.3 | 19.6 | 19.6 | 17.5 | 3.0 | 14.3 | 1.4 | 3.7 |
| Z Score | 1.6 | 2.3 | 2.4 | 2.5 | 2.4 | 2.4 | 2.3 | 2.5 | 2.4 | 2.2 | 0.6 | 1.4 | 1.1 | 1.2 | 2.1 | 1.4 | 0.3 | 2.1 |
| Avg | 19.5 | 23.6 | 27.7 | 1.6 | 2.1 | 9.8 | 7.9 | 13.7 | 11.0 | 11.4 | 19.8 | 16.4 | 17.1 | 14.9 | 2.0 | 10.5 | 1.4 | 2.6 |
| Median | 19.2 | 24.4 | 28.5 | 1.6 | 2.0 | 9.8 | 7.7 | 13.5 | 10.7 | 11.5 | 19.8 | 16.4 | 17.3 | 15.1 | 1.9 | 11.1 | 1.3 | 2.7 |
| S&P 500 Large Ca | p | | | | | | | | | | | | | | | | | |
| | LTM P/E | Norm P/E | Norm P/E | | | LTM | LTM | LTM | LTM | LTM | LTM | NTM P/E | FY1 P/E | FY2 P/E | | NTM | | |
| Weighted | ex neg | ex neg - 5 | ex neg - 10 | LTM | LTM | EV/EBITDA | P/EBITDA | EV/EBIT | P/EBIT | P/OCF | P/FCF ex | ex neg | ex neg | ex neg | NTM | P/CF ex | FY2 PEG | Price/ |
| Medians | EPS | Yr Avg | Yr Avg | P/S | EV/S | ex neg | ex neg | ex neg | ex neg | ex neg | neg | EPS | EPS | EPS | P/S | neg CF | ex neg | Book |
| Current | 27.4 | 42.6 | 49.2 | 4.7 | 5.0 | 17.6 | 16.6 | 23.6 | 21.4 | 20.6 | 26.2 | 23.3 | 23.4 | 20.7 | 4.4 | 18.2 | 1.5 | 6.4 |
| Z Score | 1.2 | 2.3 | 1.9 | 2.5 | 2.1 | 1.9 | 2.1 | 2.0 | 2.0 | 1.7 | 0.4 | 1.2 | 1.0 | 1.1 | 1.3 | 0.7 | 0.3 | 2.0 |
| Avg | 21.0 | 25.9 | 31.4 | 2.3 | 2.9 | 11.3 | 9.6 | 15.1 | 13.1 | 13.3 | 23.0 | 17.9 | 18.6 | 16.4 | 2.9 | 13.0 | 1.4 | 3.7 |
| Median | 19.6 | 24.4 | 28.9 | 2.1 | 2.8 | 10.6 | 9.1 | 13.7 | 11.9 | 12.2 | 21.2 | 16.6 | 17.3 | 15.5 | 2.5 | 12.1 | 1.4 | 3.3 |

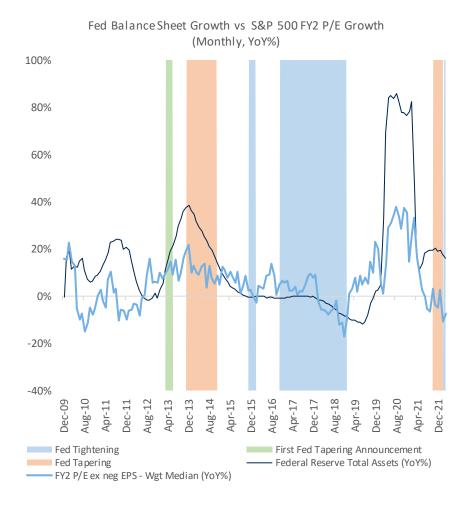
Broader US Equity Market / Valuation

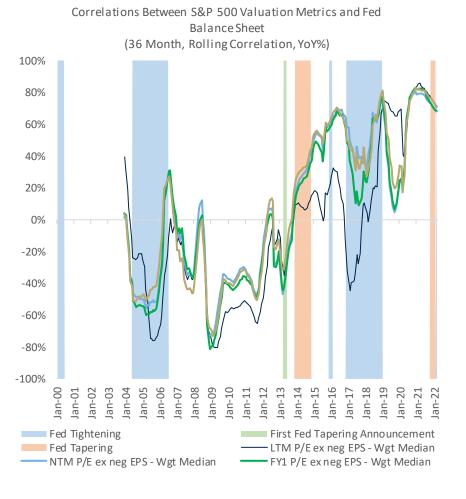
S&P 500 Fwd P/E Contraction in Early 2022 Similar to Past Hiking Periods & '90-'91 Recession



S&P 500 Next Year P/E vs. Fed Hiking/Tapering & Recessions

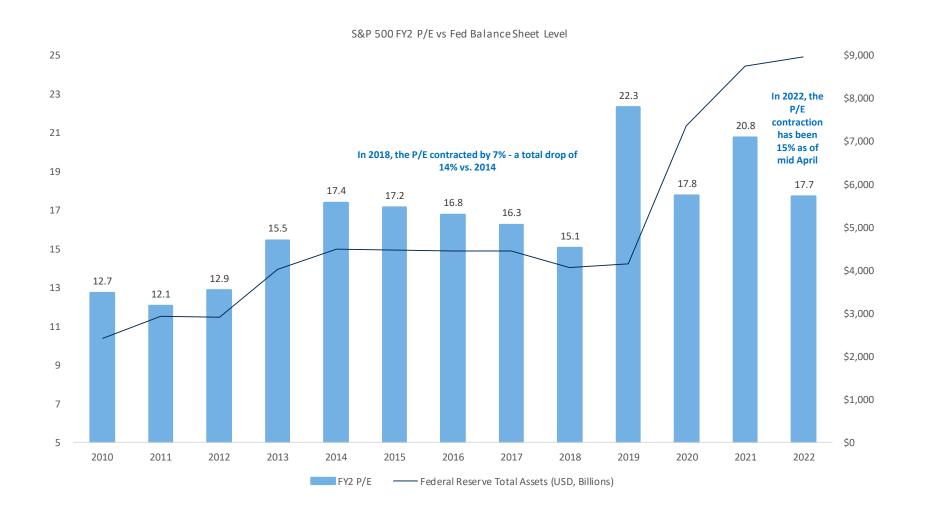
Bottom-Up P/E Contraction in 2022 on Par With 2011's Contraction, Occurred Despite B/S Growth





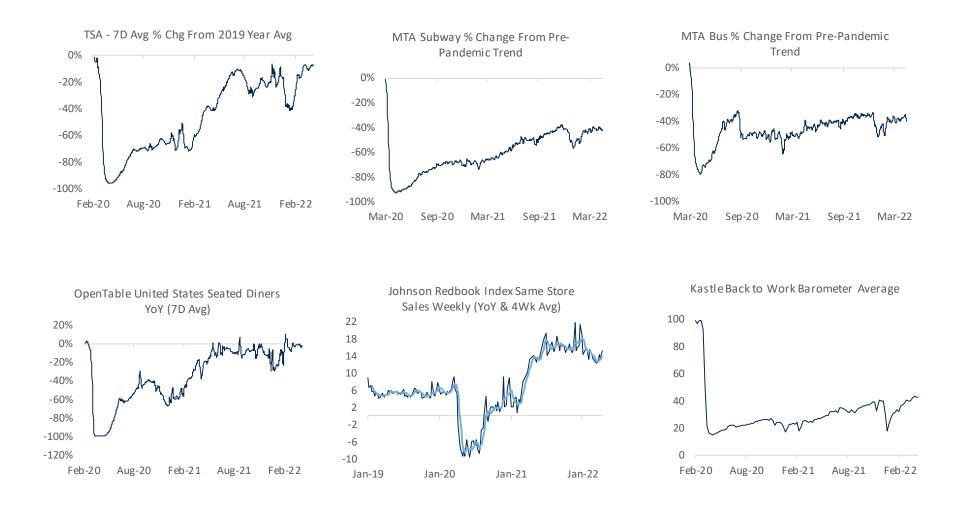
Broader US Equity Market / Valuation

Tapering/QT Tripped Up the P/E Multiple in the Past, But 2022's Move Reflects That Pain Already



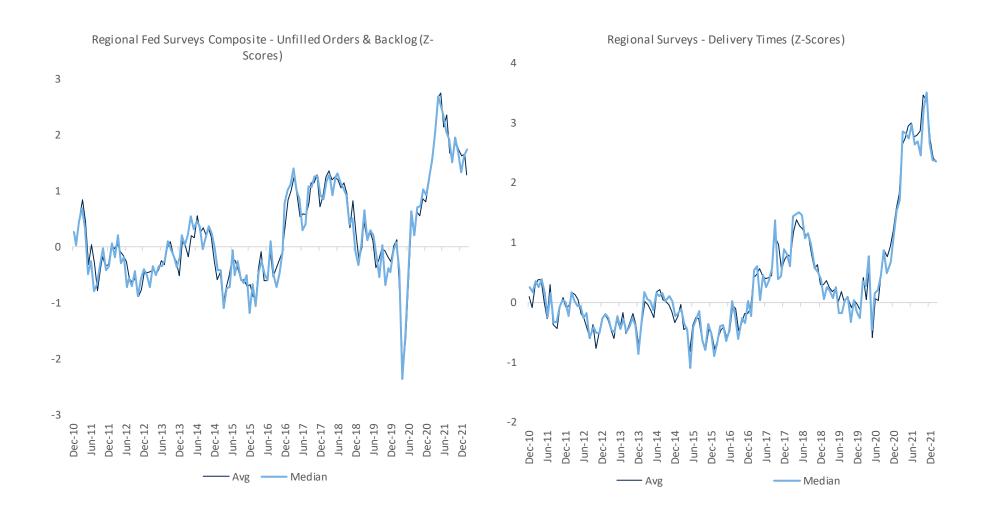
Source: RBC US Equity Strategy, Bloomberg; as of April 18, 2022; 2022 P/E based on current pricing and bottom-up estimate of 2023 EPS; 2021 P/E based on actual close and bottom-up estimate of 2022 EPS

Flying & Back to Work Rising, Dining & MTA Stable, Same-Store Sales Slipping



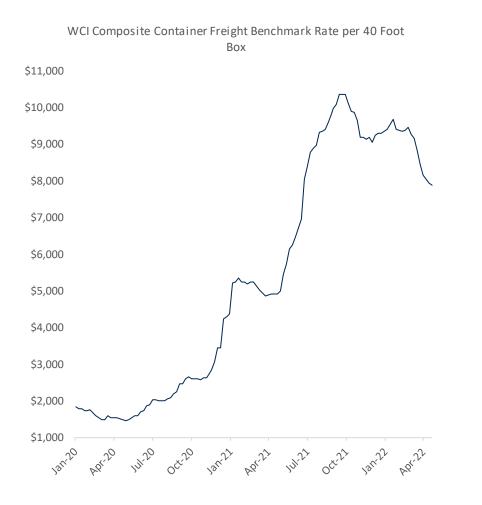
Source: RBC US Equity Strategy, Bloomberg; as of April 2022

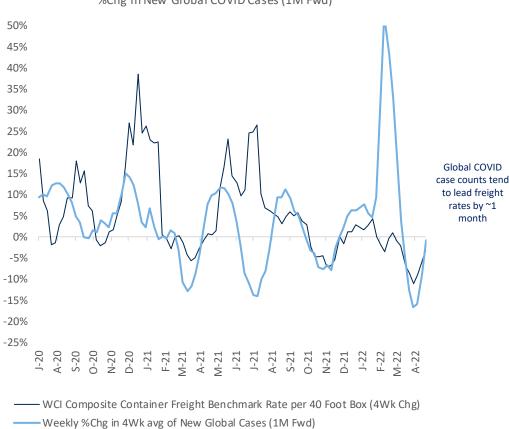
Trends in Unfulfilled Orders and Backlogs Improving, Along With Delivery Times



Source: RBC US Equity Strategy, Bloomberg; as of March 2022

Freight Rates Have Come Down, but May Worsen Due to Latest Global COVID Developments

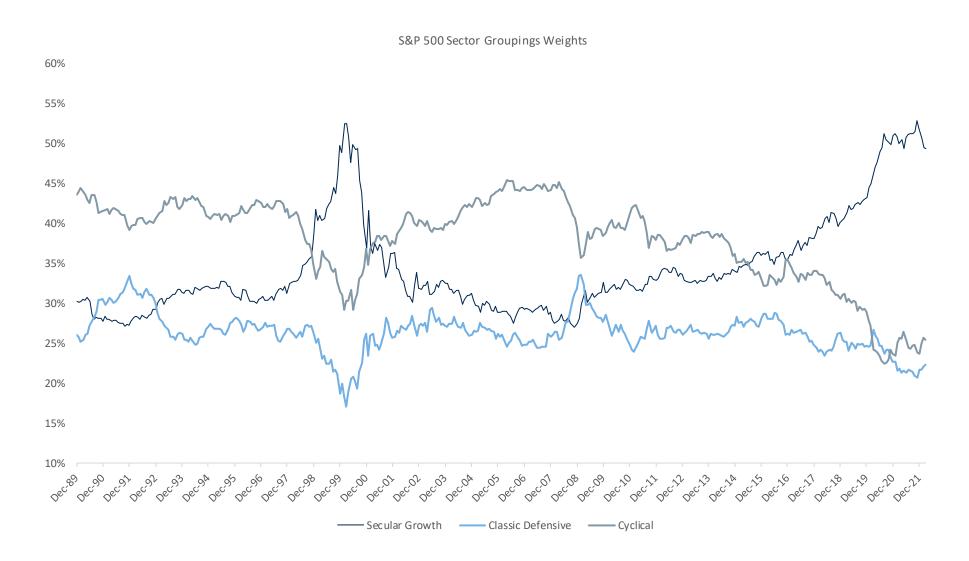




Freight Benchmark Rate Composite (4Wk %Chg) vs Weekly %Chg in New Global COVID Cases (1M Fwd)

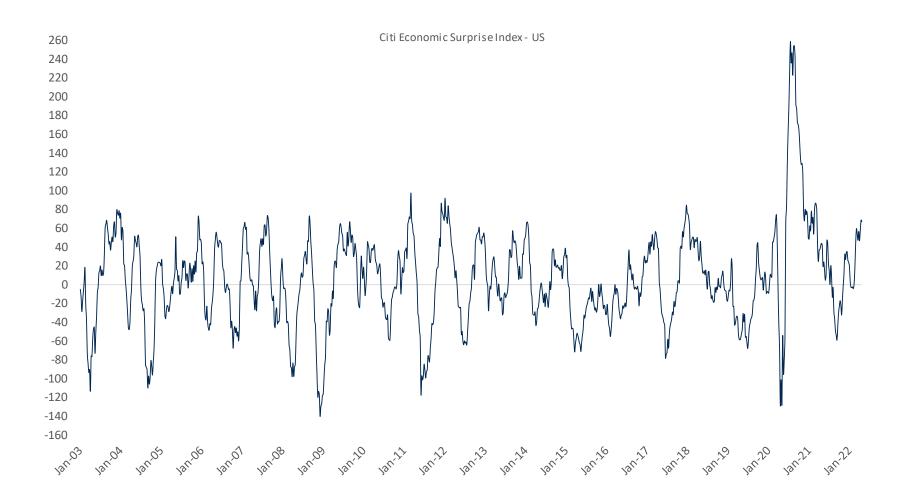
Source: RBC US Equity Strategy, Bloomberg, Drewry; as of April 21, 2022

The S&P 500 Has a Clear Secular Growth Bias



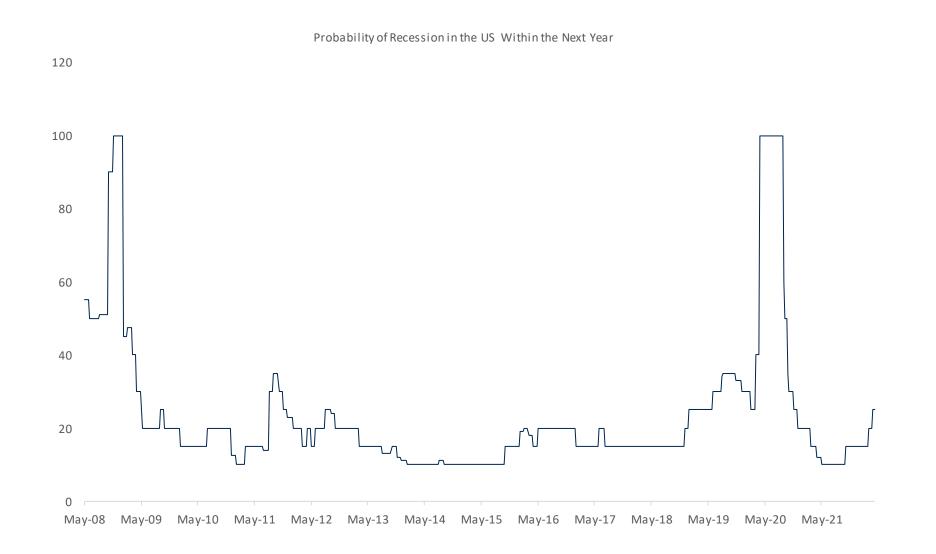
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi. Cyclical Sectors: Materials, Energy, Industrials, and Financials. Secular Growth: Tech, Internet, Communication Services, Consumer Discretionary ex Internet. Defensives: Consumer Staples, Health Care, Utilities; as of March 2022

Positive US Economic Surprises Are Picking Up



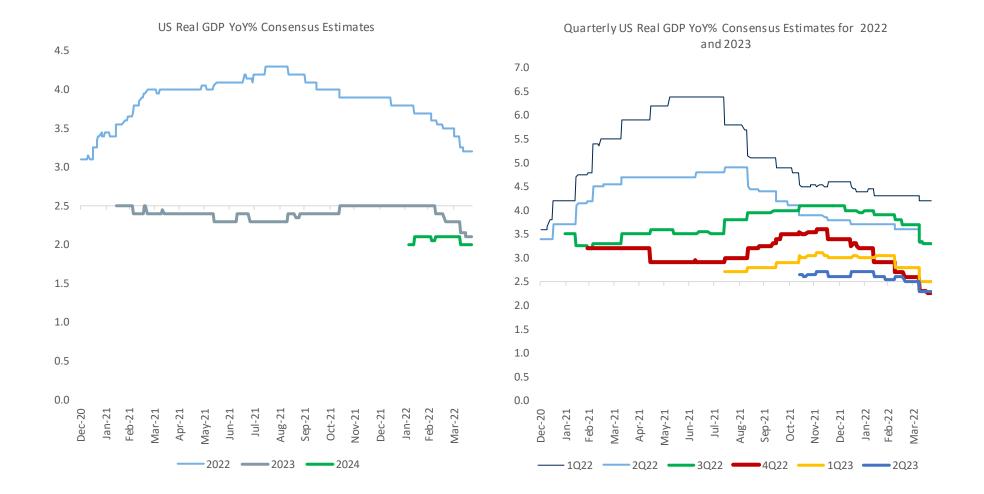
Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

US Recession Expectations Rising But Still Low, Similar to 2011 and 2016



Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

2022 GDP Forecast Slipping, Expected To Fall Below Average in 4Q22 & 2023-2024

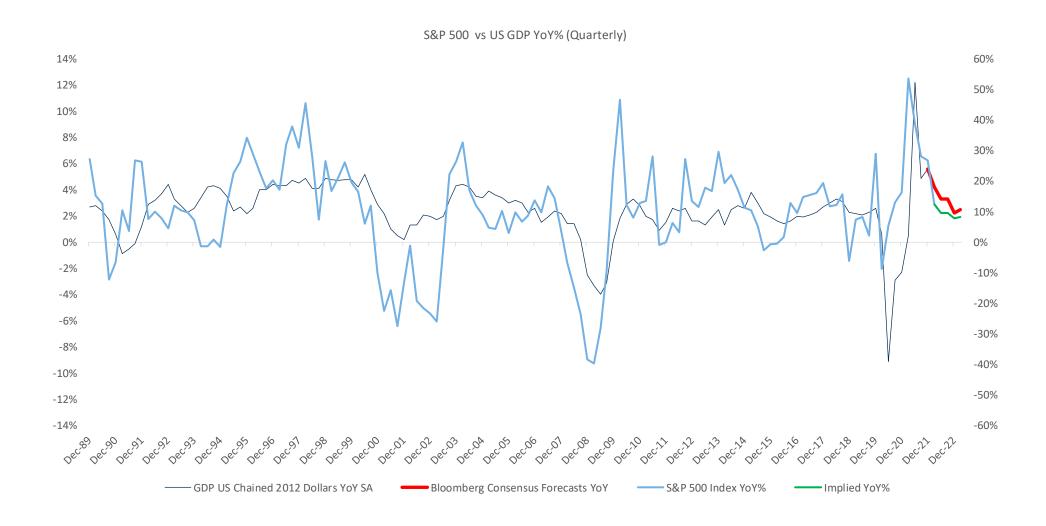


Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

If the Economy Sees Slow Growth in 2023, Stocks Should Be Up but Below Trend in 2022

| | Real GDP Range | # Instances | Average Return (Prior Year) | Median Return (Prior Year) | Average Return (Current Year) | Median Return (Current Year) | |
|---|-----------------------|-------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|--|
| _ | < 0% | 12 | -7.5% | -8.2% | 13.6% | 19.9% | When a recession happens, stocks are usually down the year before |
| | 0 - 2% | 8 | 4.0% | 6.0% | 0.0% | 0.0% | Sub 2% real GDP years are usually problematic for stocks, the year of and before they happen, but modest gains are seen the year before if recession is averted |
| | 2 - 4 % | 28 | 10.3% | 8.7% | 9.6% | 11.1% | Stocks are usually ok – with trend-like returns – before and during 2-4% GDP years |
| | > 4% | 27 | 15.9% | 16.5% | 9.6% | 12.4% | Stocks are usually well above trend the year before higher-than-average GDP occurs |
| | All Years (1947-2021) | 75 | 8.8% | 10.8% | 9.2% | 11.4% | |

Stock Price Gains Tend To Moderate as GDP Growth Slows



The Stock Market Tends To Lose, on Average, One-Third of Its Value Heading into Recessions

| Drawdowns have ranged from 14% to 57%, with an aver | age drop of 32% |
|---|-----------------|
|---|-----------------|

S&P 500 Peak To Trough Declines Around Recessions

| | | | | | S&P 500 Peak To | S&P Pullback Duration (# | | | Estimated # of Months Stocks Bottomed |
|-----------------------|--------------|-------------|--------------|--------------|-----------------|-----------------------------|------------------------|------------------|--|
| | S&P 500 Peak | S&P 500 | S&P 500 Peak | S&P 500 | Trough Decline | Calendar | Estimated end of | Estimated Trough | Before Recession |
| Recession Dates | Date | Trough Date | Level | Trough Level | (% Chg) | Days) | Recession Month | Month | Ended |
| May 1937 - June 1938 | 03/10/1937 | 03/31/1938 | 19 | 9 | -54% | 386 | 06/30/1938 | 03/31/1938 | -3.0 |
| Nov 1948 - Oct 1949 | 06/15/1948 | 06/13/1949 | 17 | 14 | -21% | 363 | 10/31/1949 | 05/31/1949 | -5.1 |
| July 1953 - May 1954 | 01/05/1953 | 09/14/1953 | 27 | 23 | -15% | 252 | 05/31/1954 | 08/31/1953 | -9.1 |
| Aug 1957 - April 1958 | 07/15/1957 | 10/22/1957 | 49 | 39 | -21% | 99 | 04/30/1958 | 11/30/1957 | -5.0 |
| April 1960 - Feb 1961 | 08/03/1959 | 10/25/1960 | 61 | 52 | -14% | 449 | 02/28/1961 | 10/31/1960 | -4.0 |
| Dec 1969 - Nov 1970 | 11/29/1968 | 05/26/1970 | 108 | 69 | -36% | 543 | 11/30/1970 | 05/31/1970 | -6.1 |
| Nov 1973 - Mar 1975 | 01/11/1973 | 10/03/1974 | 120 | 62 | -48% | 630 | 03/31/1975 | 09/30/1974 | -6.1 |
| Jan 1980 - July 1980 | 02/13/1980 | 03/27/1980 | 118 | 98 | -17% | 43 | 07/31/1980 | 03/31/1980 | -4.1 |
| July 1981 - Nov 1982 | 11/28/1980 | 08/12/1982 | 141 | 102 | -27% | 622 | 11/30/1982 | 07/31/1982 | -4.1 |
| July 1990 - Mar 1991 | 07/16/1990 | 10/11/1990 | 369 | 295 | -20% | 87 | 03/31/1991 | 09/30/1990 | -6.1 |
| Mar 2001 - Nov 2001 | 03/24/2000 | 10/09/2002 | 1527 | 777 | -49% | 929 | 11/30/2001 | 09/30/2002 | 10.1 |
| Dec 2007 - June 2009 | 10/09/2007 | 03/09/2009 | 1565 | 677 | -57% | 517 | 06/30/2009 | 02/28/2009 | -4.1 |
| Feb 2020 - April 2020 | 02/19/2020 | 03/23/2020 | 3386 | 2237 | -34% | 33 | 04/30/2020 | 03/31/2020 | -1.0 |
| Average | | | | | -32% | 381 | | Average ex 2001 | -4.8 |
| Median | | | | | -27% | 386 | | Median ex 2001 | -4.6 |

We excluded the 1945 recession as there was no clear stock market pullback around it. Stats for Estimate # of Months Stocks Bottomed Before Recession Ended excludes 2001 recession. 2001 recession pullback stats are based on March 2000 peak / Oct 2002 low. The market hit a low in Nov 01, which was the retested and surpassed in 2002.

Latest Consensus 2023 GDP Forecast of 2.1% Highlights Risk of Flat Year in 2022 for the S&P 500

| S&P 500 Annual Returns During Different Economic Environments | | | | | | | | | | |
|---|------------|--------------|-----------|--|--|--|--|--|--|--|
| S&P 500 Average Annual Returns | | | | | | | | | | |
| Economic Environment | Prior Year | Current Year | Next Year | | | | | | | |
| Below Avg Real GDP Growth | 1.4% | 9.7% | 9.9% | | | | | | | |
| Above Avg Real GDP Growth | 15.8% | 8.8% | 8.6% | | | | | | | |
| | | | | | | | | | | |
| Decelerating GDP | 4.0% | 10.2% | 8.2% | | | | | | | |
| Decelerating & Above Avg GDP | 11.2% | 8.9% | 5.1% | | | | | | | |
| Decelerating & Below Avg GDP | 0.7% | 10.8% | 9.5% | | | | | | | |
| | | | | | | | | | | |
| Accelerating GDP | 13.7% | 8.3% | 9.7% | | | | | | | |
| Accelerating & Above Avg GDP | 17.2% | 8.4% | 9.6% | | | | | | | |
| Accelerating & Below Avg GDP | 3.7% | 8.1% | 10.1% | | | | | | | |

Expectations for Future Employment Trends May Have Peaked, but Also Remain at Strong Levels



NFIB: Percent Planning to Increase Employment, Net (SA, %)



Philly Fed Mfg Business Outlook: Future Employment Diffusion Index(SA, %Bal)



Kansas City Fed Mfg Survey: Number of Employees: Expected in 6 Months (SA, %Bal)



Jul-21 Jul-22 Ju Richmond Fed Mfg Survey: Expected Manufacturing Employment (SA, %Bal)

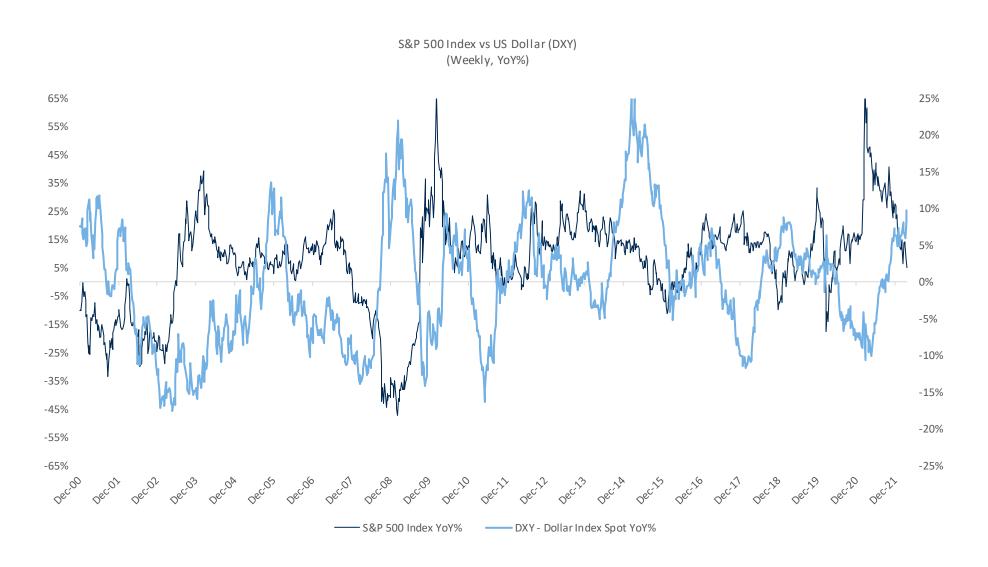


Empire State Mfg Svy: No of Employees, 6 Mos Ahead: Diffusion Index (SA, %Bal)

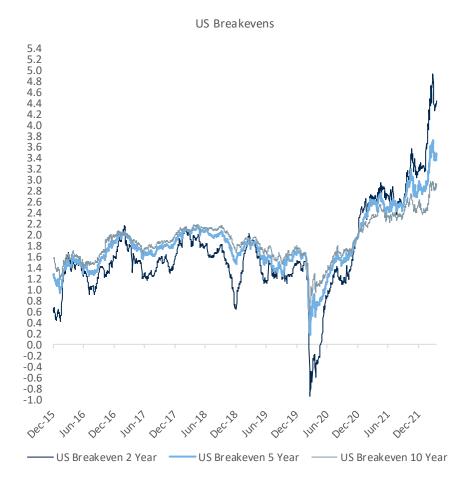


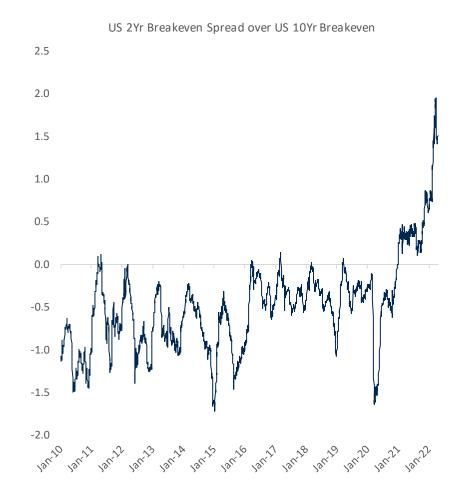
Source: RBC US Equity Strategy, Bloomberg, Haver; charts as of March 2022 except Empire and Philly Fed through April 2022

A Stronger Dollar Is Usually a Headwind for US Equity Market Direction



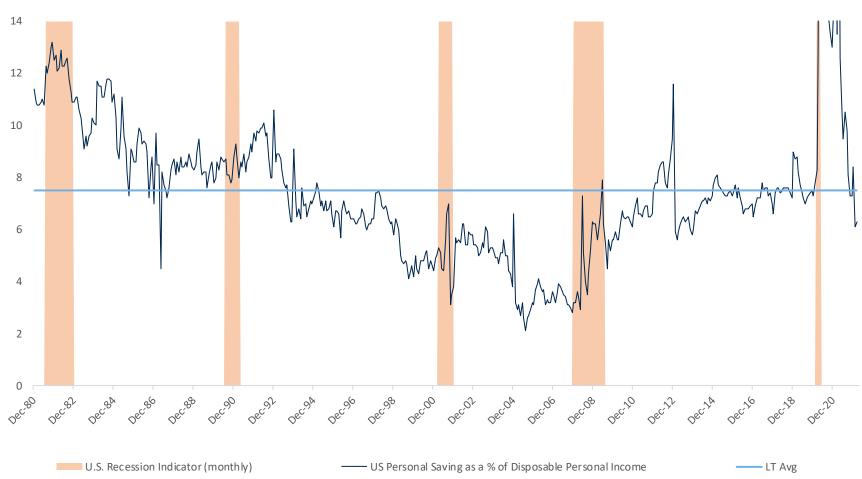
Inflation Expectations Remain Higher in the Short Term Than in the Medium & Longer Term





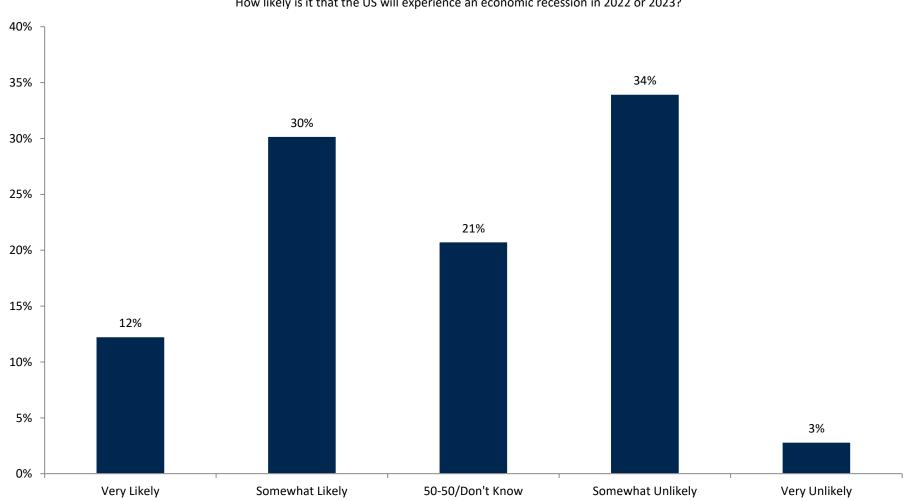
Source: RBC US Equity Strategy, Bloomberg; as of April 18, 2022

Consumer Cash Cushions Have Come Down, Still Above the Lows Seen in Most Recessions



US Personal Saving as a % of Disposable Personal Income

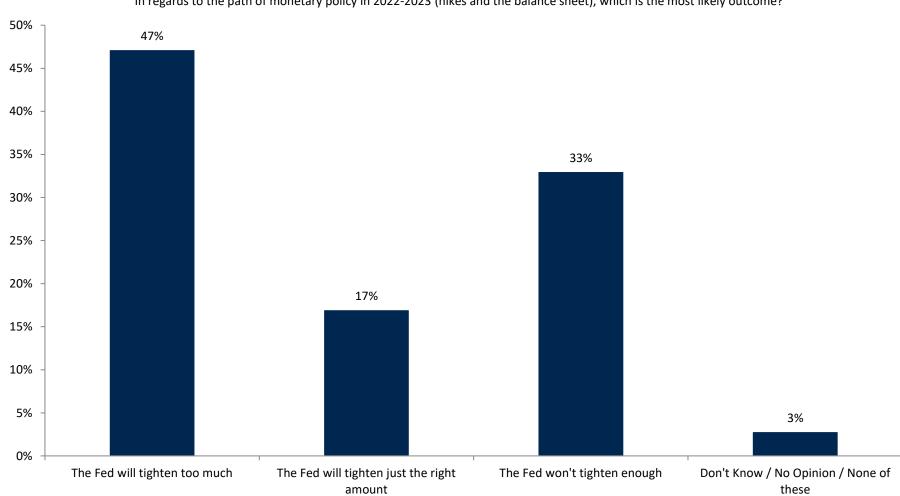
Split Views on a US Recession, With a Tilt Towards Those Who Say One Is Coming



How likely is it that the US will experience an economic recession in 2022 or 2023?

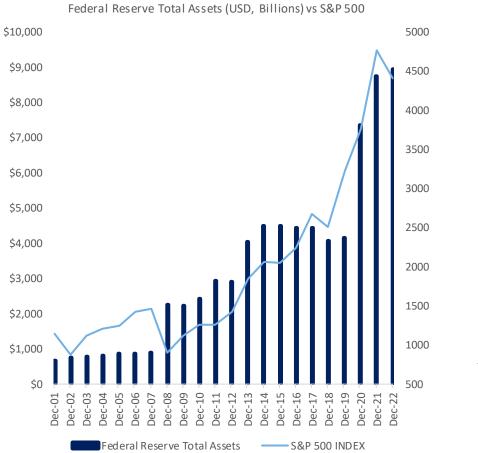
Source: RBC US Equity Strategy

Little Confidence in the Fed, Nearly Half Say They Will Tighten Too Much



In regards to the path of monetary policy in 2022-2023 (hikes and the balance sheet), which is the most likely outcome?

The S&P 500's 2022 YTD Decline Is Similar to 2018's, the Last Time QT Was Priced in Significantly





Source: RBC US Equity Strategy, Bloomberg, S&P 500 as of April 14, 2022

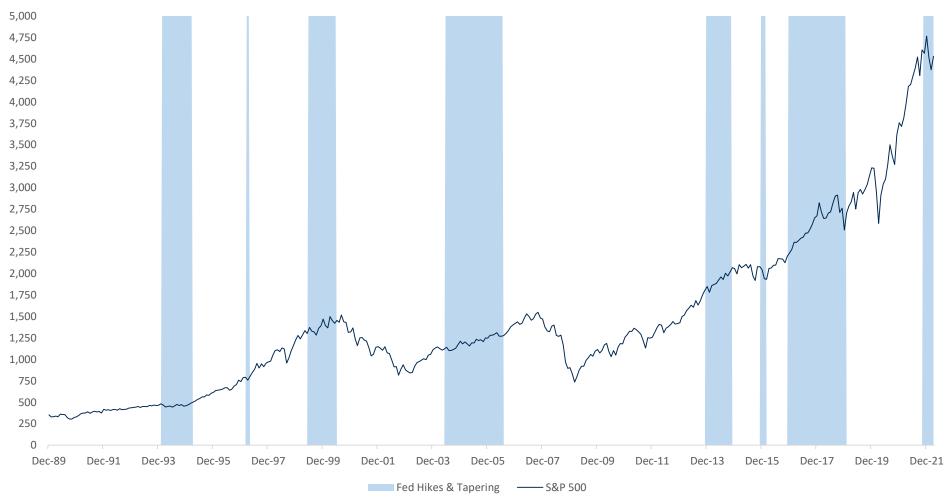
Correlation Between the Fed's Balance Sheet & US Equity Market Pricing Has Flipped Negative



Fed Balance Sheet Assets & S&P 500: 52 Week Rolling Correlation

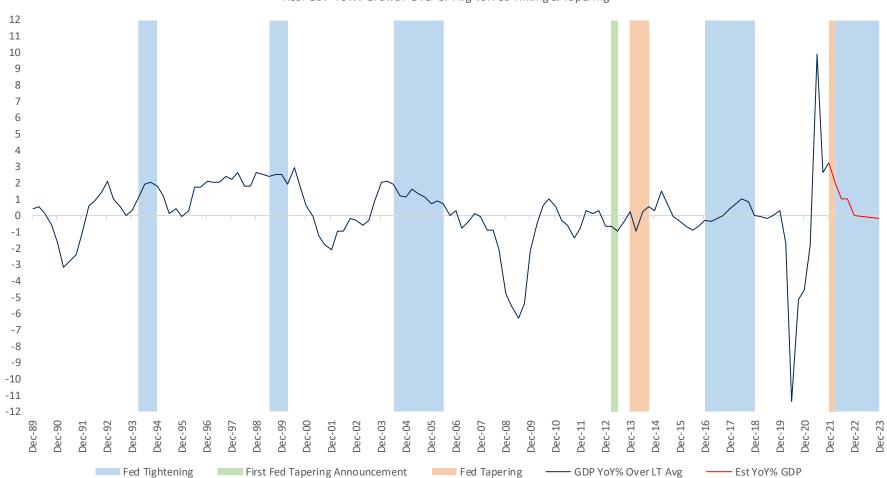
Source: RBC US Equity Strategy, Bloomberg, S&P 500 as of April 14, 2022

The S&P 500 Usually Keeps Climbing While the Fed Is Tightening, Despite Turbulence at Liftoff



Stock Market Performance During Hikes & Tapering

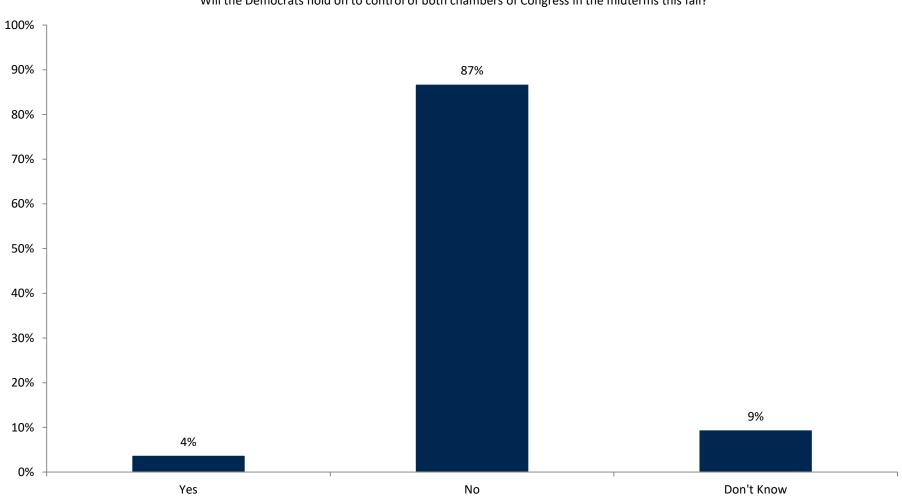
GDP Growth Usually Returns to Trend After Fed Rate Hikes Begin



Real GDP YoY% Growth Over LT Avg vs. Fed Hiking & Tapering

Source: RBC US Equity Strategy, Haver, Bloomberg; as of March 2022 (pricing) and April 2022 (GDP forecasts)

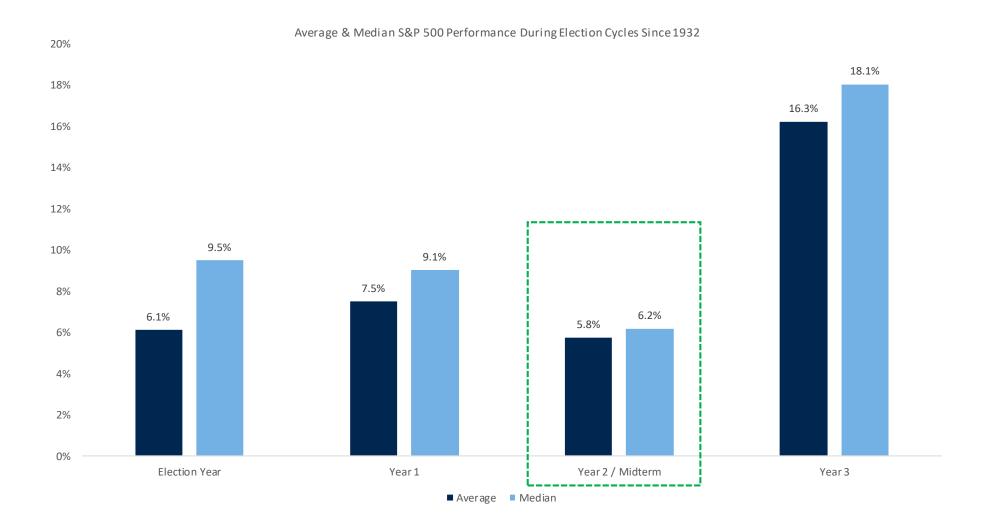
Democrats Widely Expected To Do Poorly in the Midterms



Will the Democrats hold on to control of both chambers of Congress in the midterms this fall?

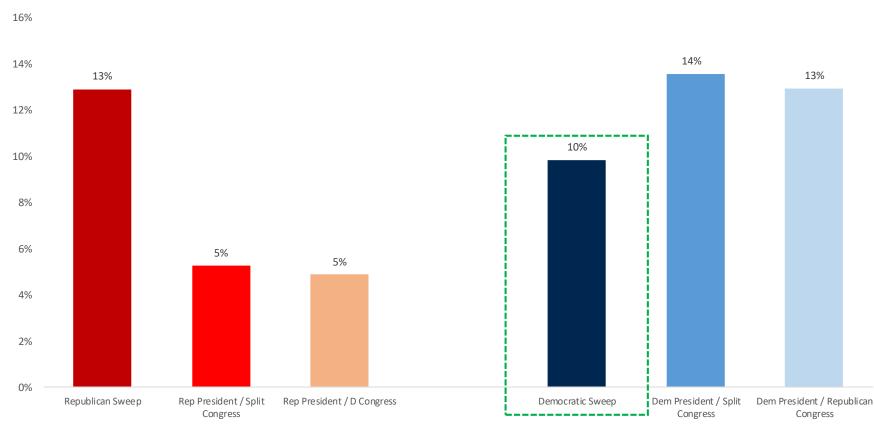
Source: RBC US Equity Strategy

2nd Year of a Presidential Cycle (Mid-Term Year) Tends To Be Up, but a Little Below Trend



Source: RBC US Equity Strategy, Bloomberg. Data goes back to 1932, based on price returns.

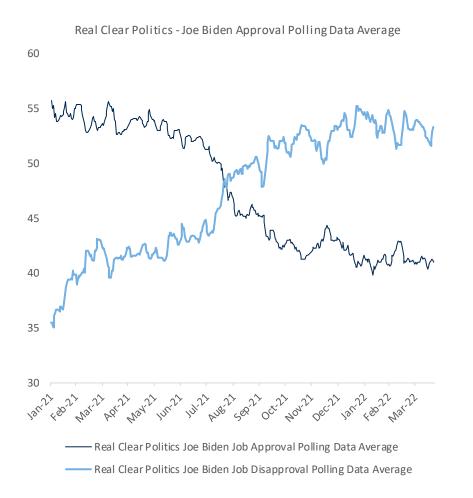
Longer Term, Stocks Tend To Rise Regardless of Which Party Is in Control of Government

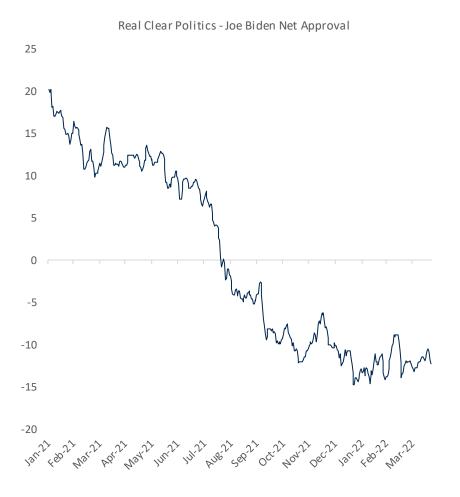


Average S&P 500 Returns When Different Political Parties Are In Control Of Government

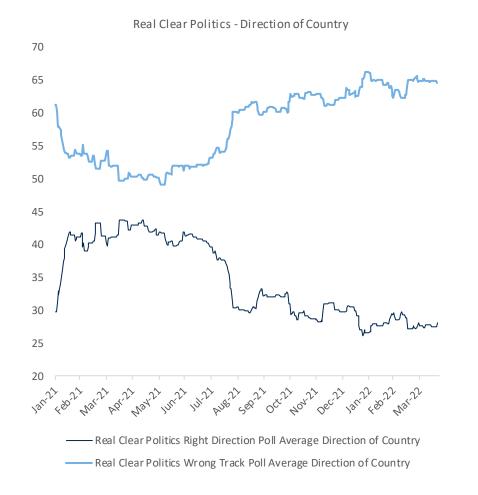
Source: RBC US Equity Strategy, Haver. Includes years since 1932; the 2000 election resulted in a 50/50 tie in the Senate (with a Republican VP acting as the deciding vote after inauguration). However, midway through 2001 one Republican Senator left to become an independent and caucus with the Democrats, based on price returns.

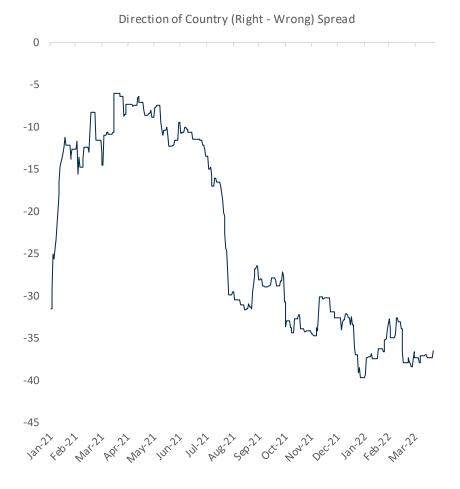
Biden's Polling Numbers Have Stabilized at Low Levels



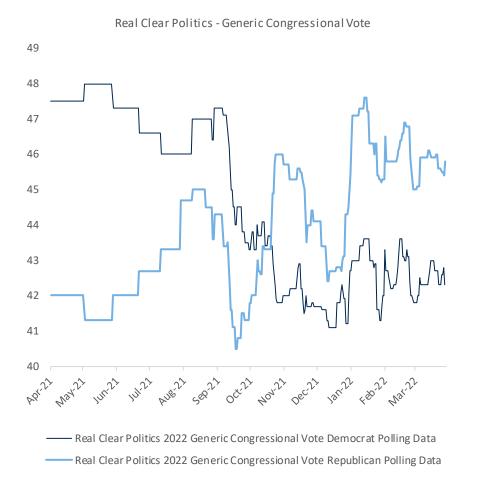


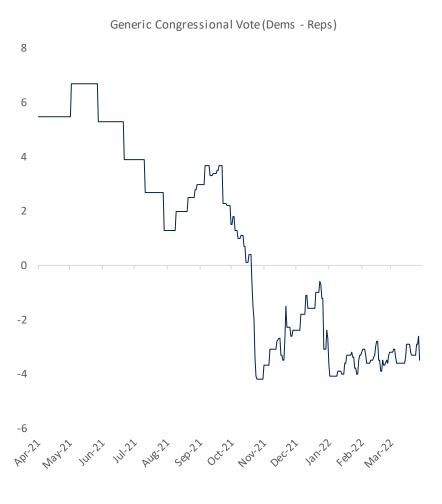
Views on the Direction of the Country Have Also Stabilized



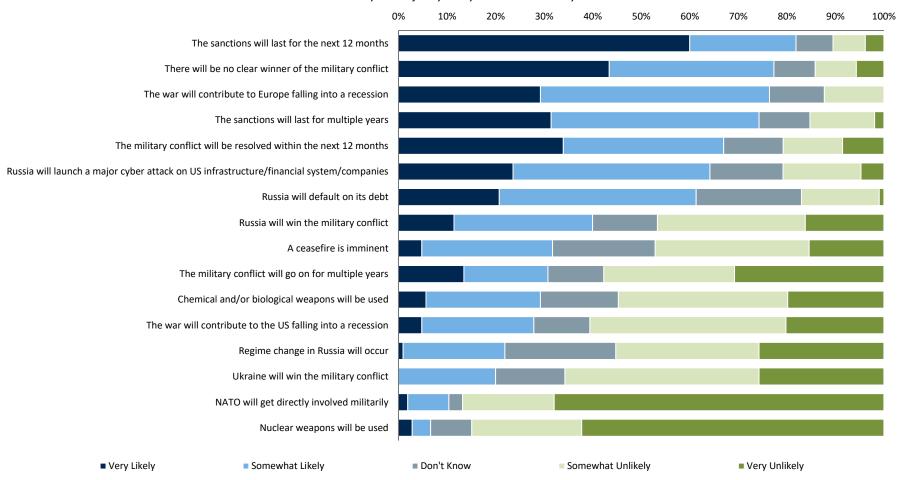


Views on Congressional Republicans Have Deteriorated, While Stabilizing for Democrats





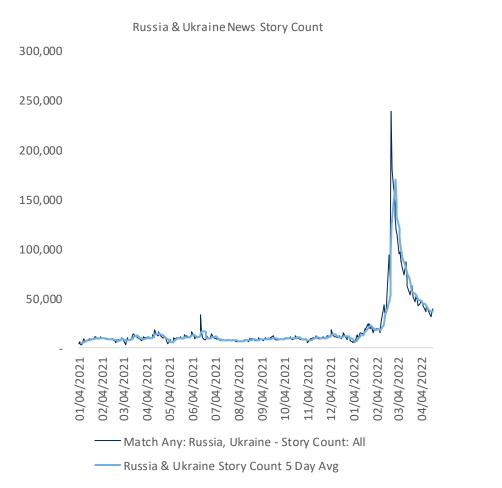
On Russia/Ukraine, Investors Expect Lengthy Sanctions, EU Recession, Cyber Attacks, Debt Default

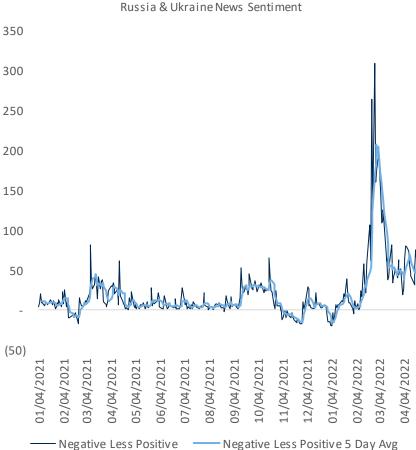


How likely do you think each of the following are with regards to the Russia/Ukraine conflict? Ranked by total of Very Likely & Somewhat Likely

Source: RBC US Equity Strategy; results from our March 2022 investor survey taken 3/28/22-3/31/22

Russia/Ukraine Concerns in the Media Have Faded





WW2 Drawdown in Stocks Little Worse Than Typical Recession



S&P 500 Performance During WW2

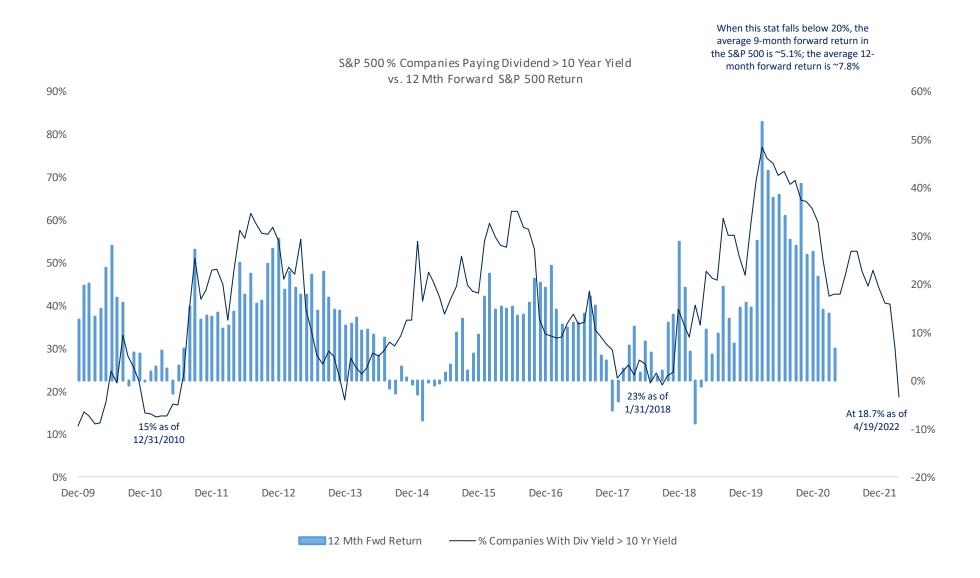
Cross Asset Context

Stocks vs. Bonds & Other Asset Classes



Cross Asset Context / Deals & Cash Deployment

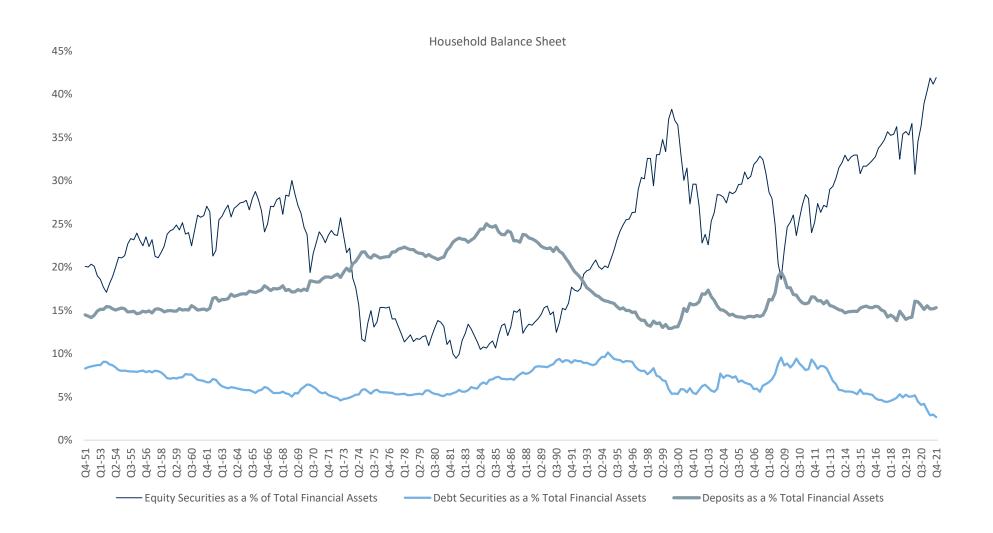
Dividend Appeal of the S&P 500 Has Diminished



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Bloomberg; as of April 19, 2022

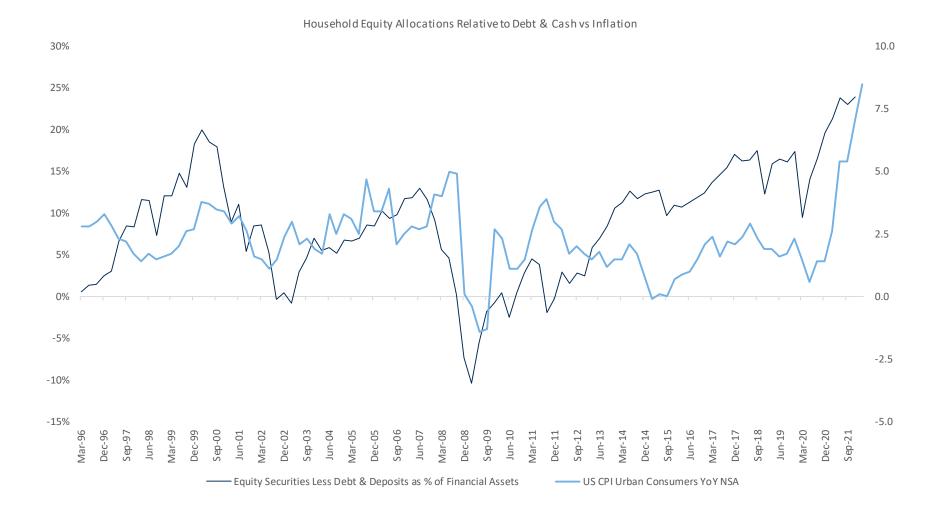
Cross Asset Context / Investor Sentiment & Positioning

Equity Stakes of US Households at All-Time Highs While Debt & Cash Exposure Have Eased



Cross Asset Context / Investor Sentiment & Positioning

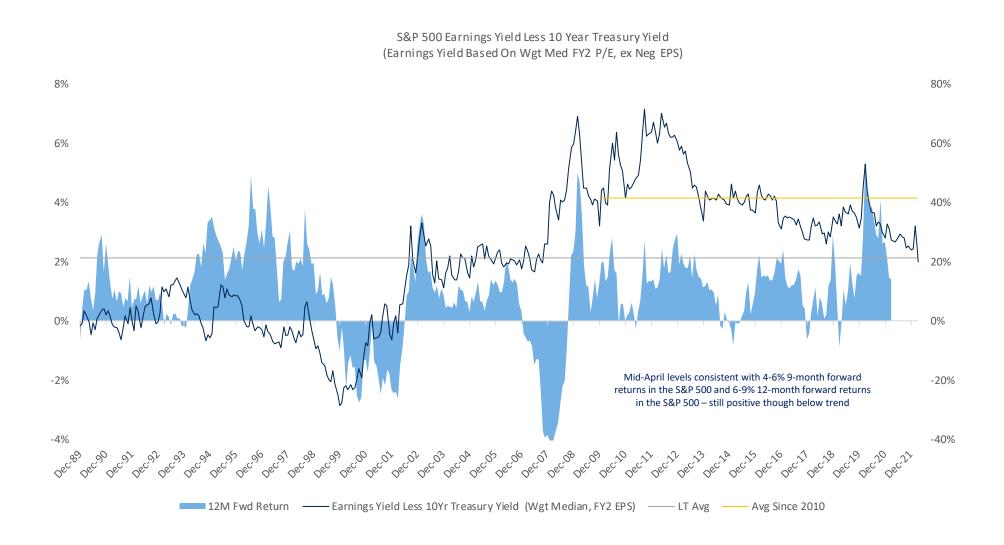
Inflationary Conditions Have Kept Households Invested in Equities



Source: RBC US Equity Strategy, Federal Reserve Flow of Funds, Haver, Bloomberg, CPI as of 1Q22, Asset Allocation Stats as of 4Q21

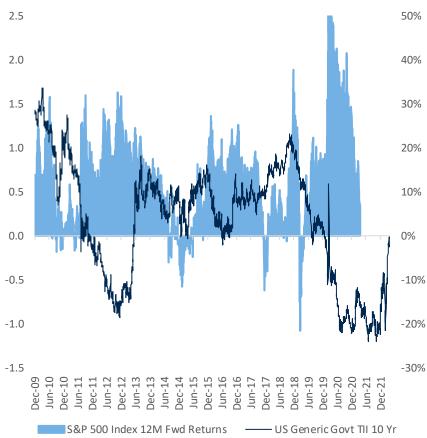
Cross Asset Context / Valuation

US Equities Have Gotten Less Attractive Relative to Bonds



Cross Asset Context / Economy

S&P 500 Returns Tend To Moderate When Real Yields Are Rising



US 10Yr Real Yield vs S&P 500 Index 12M Fwd Returns

| S&P 500 Forward Returns Sin | 500 Forward Returns Since 2010 When 10Yr Real Yield Increasing or Decreasi | | | | | | |
|--------------------------------|--|------------------------------|---------|--|--|--|--|
| | 3M Fwd | 9M Fwd | 12M Fwd | | | | |
| Declining Real Yields | 3.5% | 10.1% | 15.0% | | | | |
| Rising Real Yields | 2.4% | 6.8% | 11.0% | | | | |
| Return Difference (Declining - | | | | | | | |
| Rising) | 1.1% | 3.3% | 3.9% | | | | |
| Rising Negative Real Yields | 4.8% | 12.2% | 15.9% | | | | |
| S&P 500 Forward Retu | 3M Fwd | 9M Fwd | 12M Fwd | | | | |
| Declining Negative Real Yields | 5.0% | 15.4% | 24.7% | | | | |
| | | | | | | | |
| Return Difference (Declining - | | | | | | | |
| Rising) | 0.3% | 3.2% | 8.7% | | | | |
| | | | 0.770 | | | | |
| | | | | | | | |
| S&P 500 Forward Retu | urns Since 2010 | When 10Yr Real Yie | | | | | |
| S&P 500 Forward Retu | urns Since 2010 3M Fwd | When 10Yr Real Yie 9M Fwd | | | | | |

| Return Difference (Declining | - | | |
|-------------------------------------|------|-------|-------|
| Rising) | 0.2% | -1.7% | -4.8% |
| | | | |

2.2%

1.0%

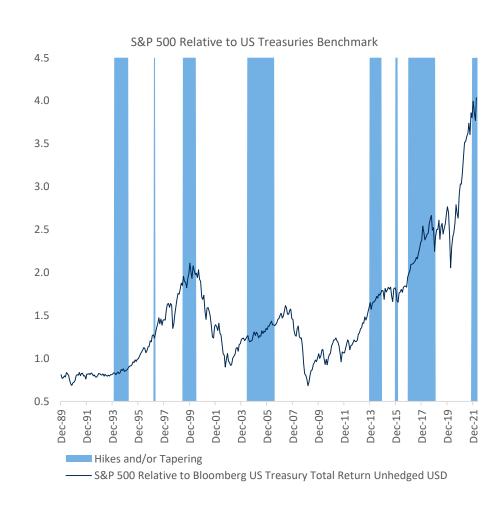
Declining Positive Real Yields

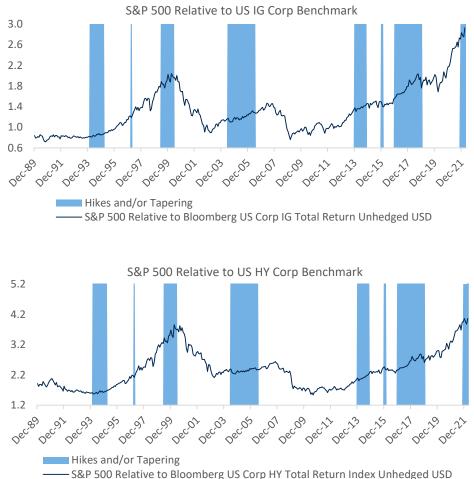
Source: RBC US Equity Strategy, Bloomberg. Study on declining and rising negative real yields assumes an interval of six months of changes in the benchmark; as of April 21, 2022

2.7%

Cross Asset Context / Policy

US Stocks Tend To Outperform Bonds When the Fed Is Hiking

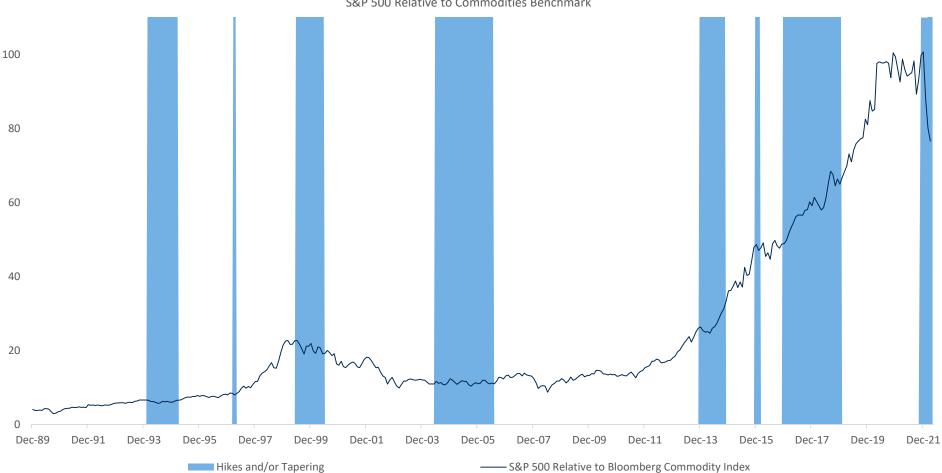




Source: RBC US Equity Strategy, Bloomberg, MSCI; as of April 19, 2022

Cross Asset Context / Policy

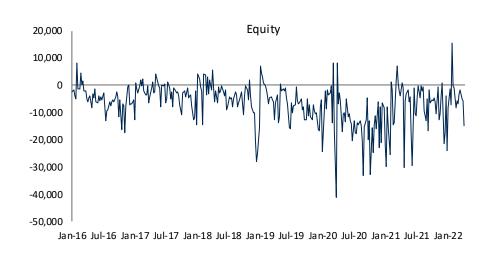
Stocks Often Lag Commodities As Hikes Get Underway



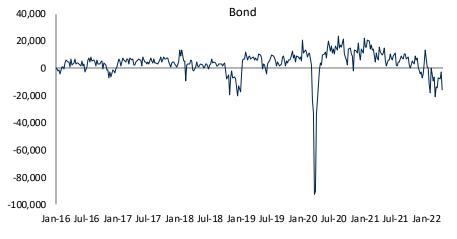
S&P 500 Relative to Commodities Benchmark

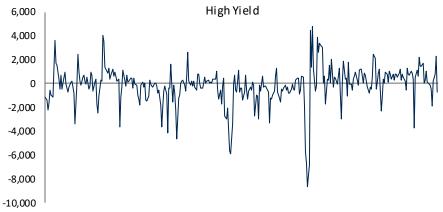
Cross Asset Context / Retail Money Flows

Equity Flows Perked Up To Start the Year but Have Faded; Bond Flows Starting to Heal









Jan-16 Jul-16 Jan-17 Jul-17 Jan-18 Jul-18 Jan-19 Jul-19 Jan-20 Jul-20 Jan-21 Jul-21 Jan-22

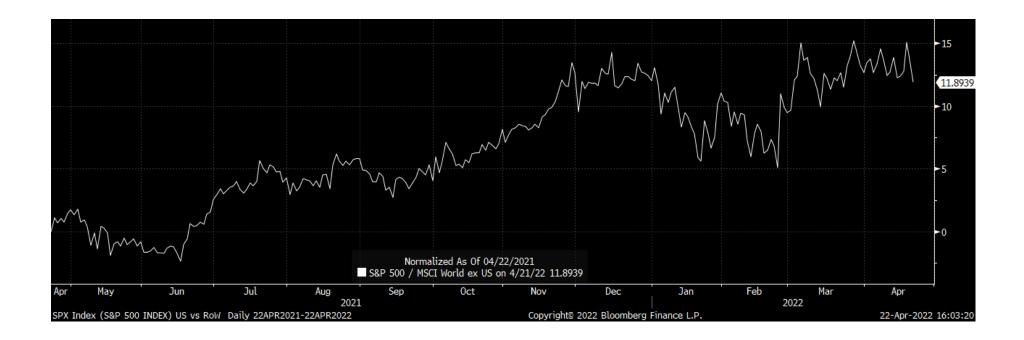
Global Context

US vs. Non-US Equities



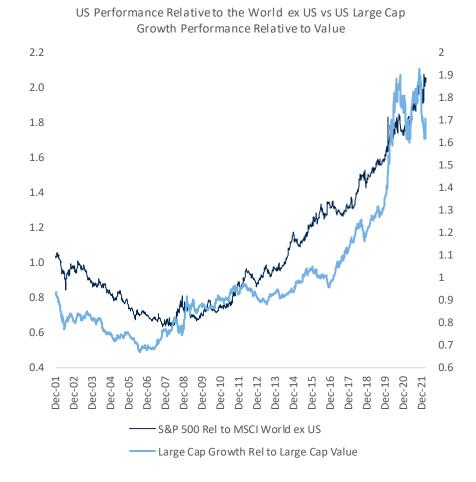
Global Context / Performance

US Has Outperformed Non-US Since Late February



Global Context / Performance

The Growth/Value and US/Non-US Trades Have Been Positively Correlated Recently

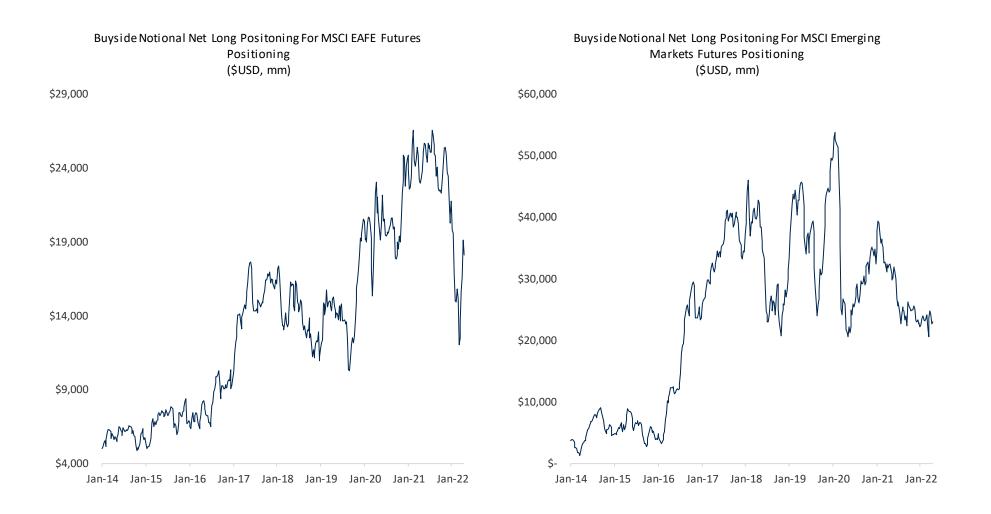




52-Week Rolling Correlation: US Performance Relative to the

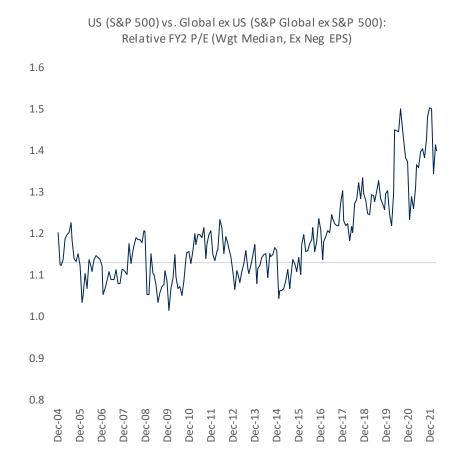
Global Context / Investor Sentiment & Positioning

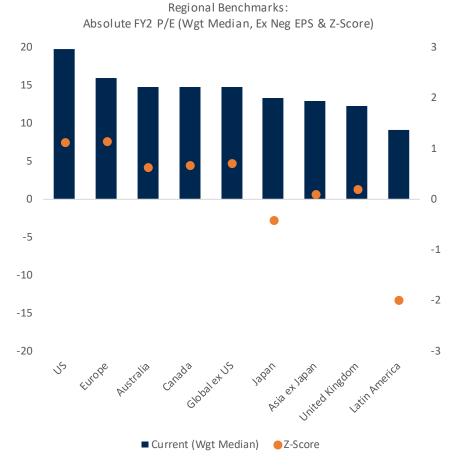
Futures Positioning Rebounding for Europe, Flat for EM



Source: RBC US Equity Strategy, RBC Futures Desk, CFTC. Asset Manager/Institutional: These are institutional investors, including pension funds, endowments, insurance companies, mutual funds, and those portfolio/ investment managers whose clients are predominantly institutional; Nikkei 225 Futures Positioning combines JPY and USD based contracts, converting JPY based contracts into USD using as of date JPY/USD FX Spot Prices. As of 4/19/2022

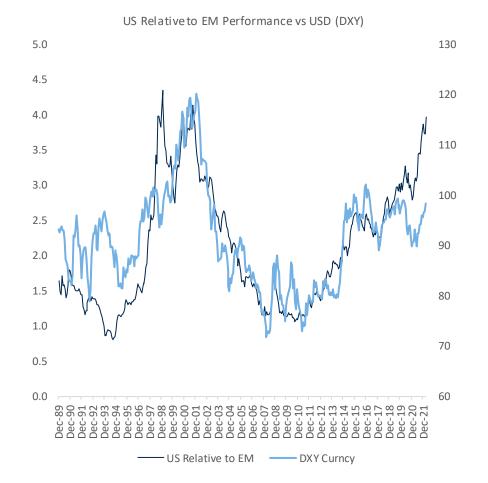
Valuations Have Improved for US-Equities vs. Non-US Equities, but Aren't Cheap

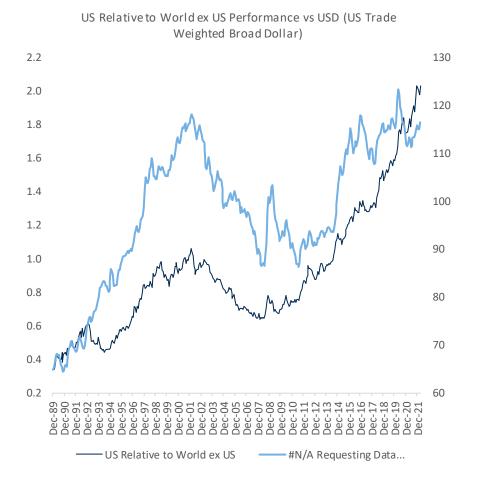




Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI. Z-Scores calculated since 2004; as of April 18, 2022

US Performance Relative to ROW Has Been Closely Aligned With US Dollar Trends Over Time



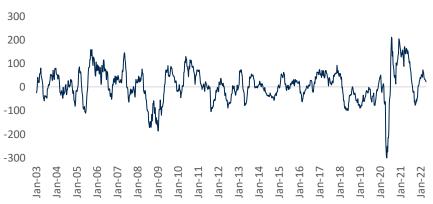


Source: RBC US Equity Strategy, Bloomberg; as of March 2022

Positive Economic Surprises Still Being Seen in the US and Europe





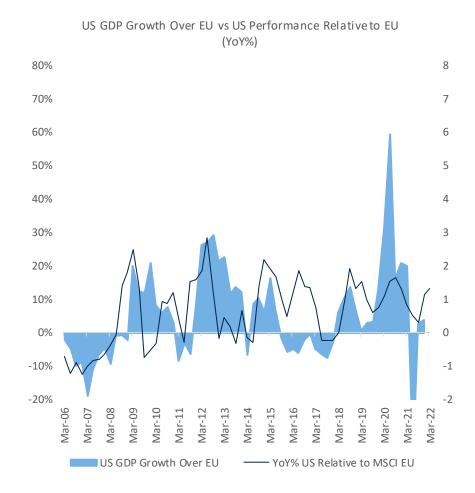


Citi Economic Surprise Index - Europe

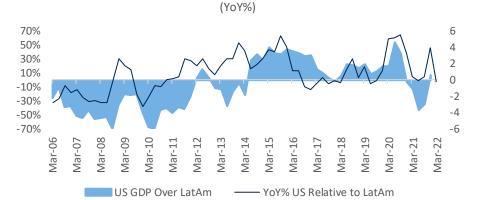


Source: RBC US Equity Strategy, Bloomberg; as of April 22, 2022

Superior Economic Growth in the US Has Driven Better Equity Returns Over Time





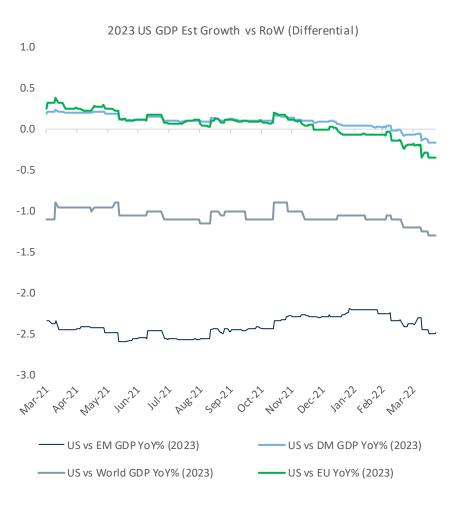


US GDP Growth Over Canada vs US Performance Relative to

Source: RBC US Equity Strategy, Bloomberg. As of 1Q22 (performance) and 4Q21 (GDP)

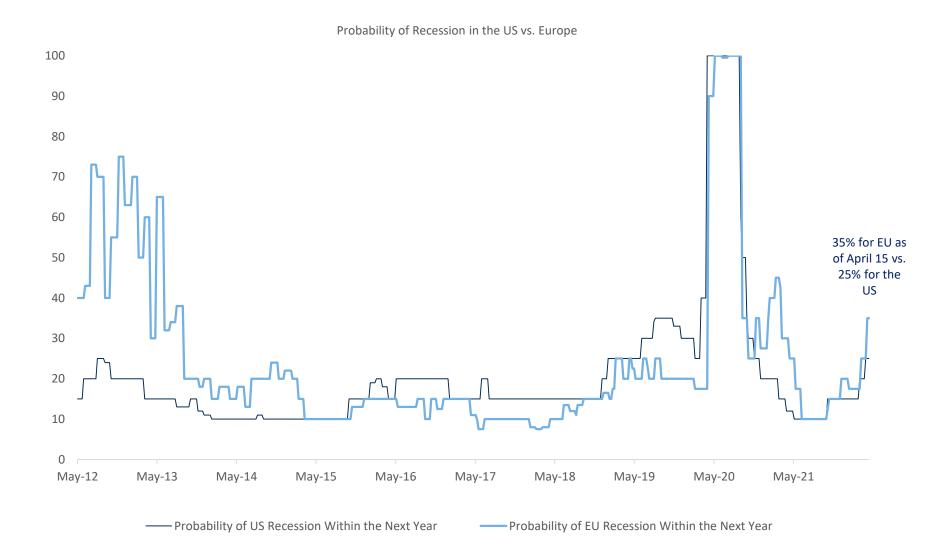
US GDP Expectations Picking Up Relative to Other Regions for 2022, Losing Steam on 2023





RBC Capital Markets

Recession Expectations Rising Faster in Europe Than the US

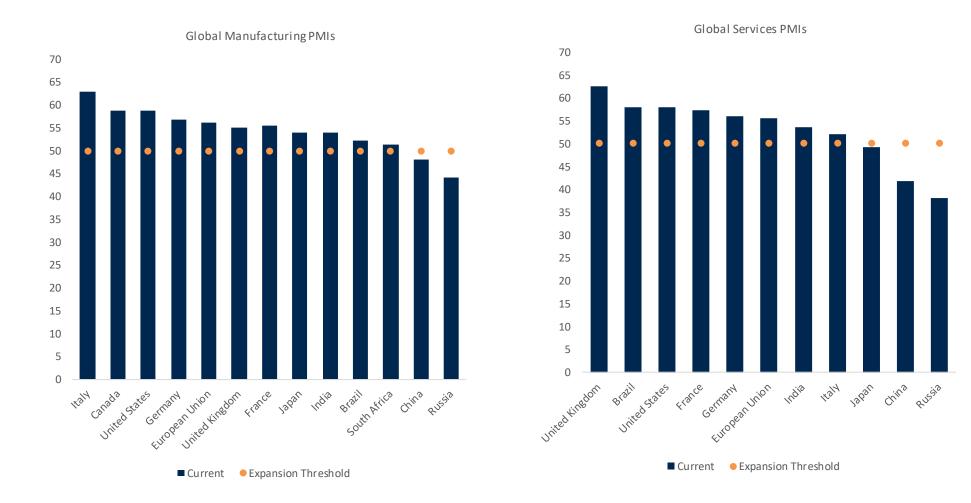


Perceptions of Economic Data Have Started To Ease Around the Globe, US Showing Resilience

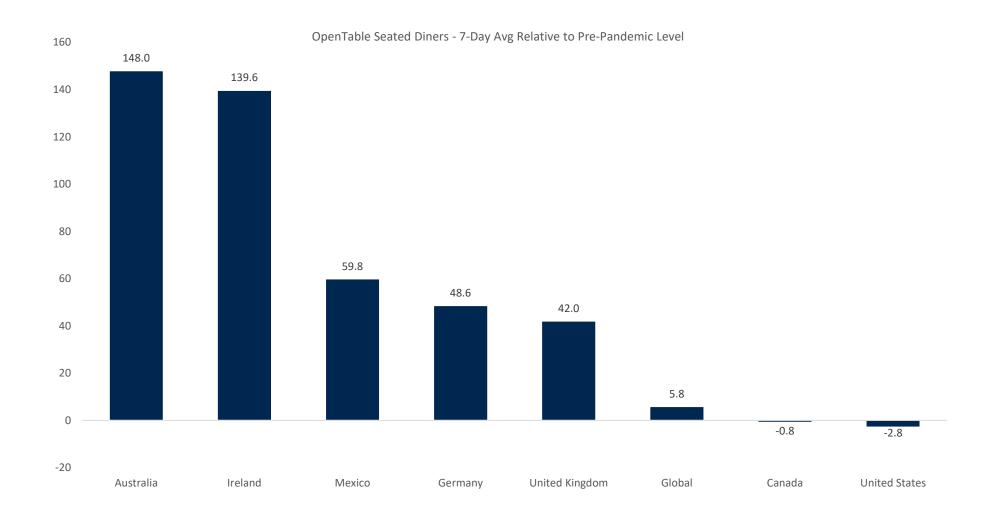


Source: RBC US Equity Strategy, Haver, Sentix. Sentix Overall Economic Indices are based on monthly surveys of around 4,500 respondents (over 1,000 institutional and almost 4,000 individual investors) on their expectations for economic developments. The Sentix survey results are representative of a broadly diversified group of investors; as of March 2022

The US Has Been a Leader Recently on Both Manufacturing & Services PMIs



US Is Lagging Other Major Countries in the Dining Recovery

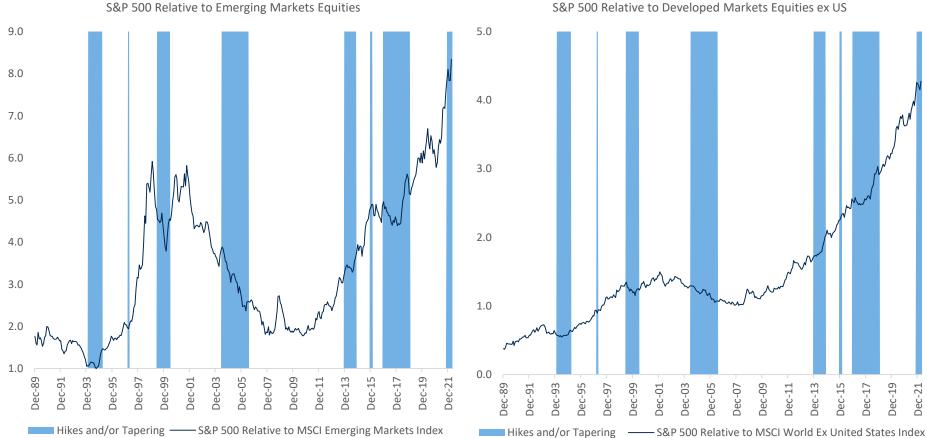


Source: RBC US Equity Strategy, Bloomberg; as of April 18, 2022 Data shows year-over-year (the same day of the week over the same week YA) seated diners at restaurants on the OpenTable network across all channels: online reservations, phone reservations, and walk-ins.

Central Banks Around the World Are Starting To Raise Rates

| | G-20 Central Bank Interest Rates | | | | | | | | | |
|----------------|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 05/31/2021 | 06/30/2021 | 07/30/2021 | 08/31/2021 | 09/30/2021 | 10/29/2021 | 12/31/2021 | 01/31/2022 | 02/28/2022 | 03/31/2022 |
| Argentina | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 38.00 | 40.00 | 42.50 | 44.50 |
| Change | | Unchanged | Unchanged | Unchanged | Unchanged | Unchanged | Unchanged | Raised | Raised | Raised |
| Australia | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Change | | Unchanged |
| Brazil | 3.50 | 4.25 | 4.25 | 5.25 | 6.25 | 7.75 | 9.25 | 9.25 | 10.75 | 11.75 |
| Change | | Raised | Unchanged | Raised | Raised | Raised | Raised | Unchanged | Raised | Raised |
| Canada | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 |
| Change | | Unchanged | Raised |
| China | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 | 4.35 |
| Change | | Unchanged |
| Eurozone | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Change | | Unchanged |
| United Kingdom | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.25 | 0.25 | 0.50 | 0.75 |
| Change | | Unchanged | Unchanged | Unchanged | Unchanged | Unchanged | Raised | Unchanged | Raised | Raised |
| Indonesia | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| Change | | Unchanged |
| India | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| Change | | Unchanged |
| Japan | -0.03 | -0.05 | -0.04 | -0.04 | -0.05 | -0.03 | -0.02 | -0.02 | -0.01 | -0.02 |
| Change | | Cut | Raised | Raised | Cut | Raised | Raised | Cut | Raised | Cut |
| South Korea | 0.50 | 0.50 | 0.50 | 0.75 | 0.75 | 0.75 | 1.00 | 1.25 | 1.25 | 1.25 |
| Change | | Unchanged | Unchanged | Raised | Unchanged | Unchanged | Raised | Raised | Unchanged | Unchanged |
| Mexico | 4.06 | 4.23 | 4.42 | 4.65 | 4.66 | 4.88 | 5.43 | 5.51 | 6.00 | 6.51 |
| Change | | Raised |
| Russia | 5.00 | 5.50 | 6.50 | 6.50 | 6.75 | 7.50 | 8.50 | 8.50 | 20.00 | 20.00 |
| Change | | Raised | Raised | Unchanged | Raised | Raised | Raised | Unchanged | Raised | Unchanged |
| Turkey | 19.00 | 19.00 | 19.00 | 19.00 | 18.00 | 16.00 | 14.00 | 14.00 | 14.00 | 14.00 |
| Change | | Unchanged | Unchanged | Unchanged | Cut | Cut | Cut | Unchanged | Unchanged | Unchanged |
| United States | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.50 |
| Change | | Unchanged | Raised |
| South Africa | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.75 | 4.00 | 4.00 | 4.25 |
| Change | | Unchanged | Unchanged | Unchanged | Unchanged | Unchanged | Raised | Raised | Unchanged | Raised |

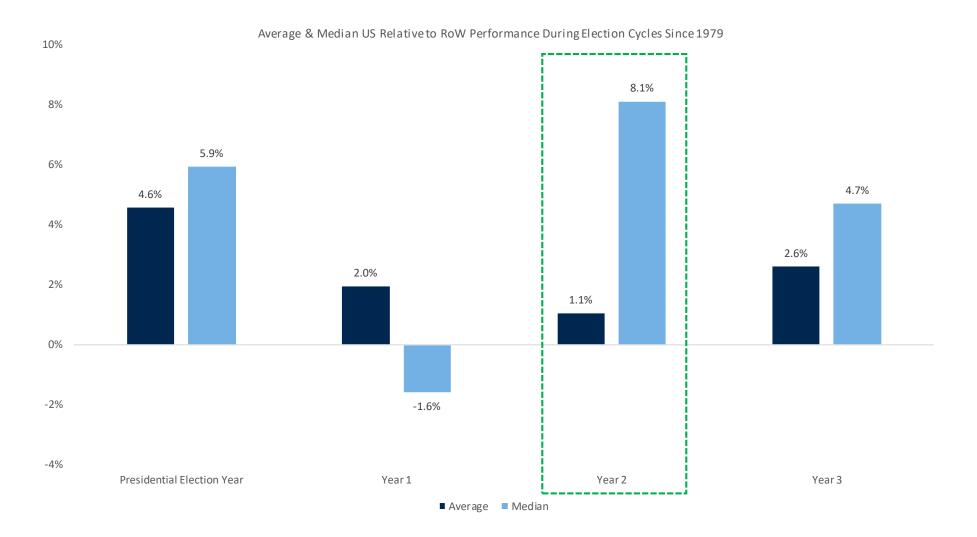
US Stocks Often Lag Non-US Stocks Early on in Hiking Cycles, Then Reclaim Leadership



Source: RBC US Equity Strategy, Bloomberg, MSCI; as of March 2022

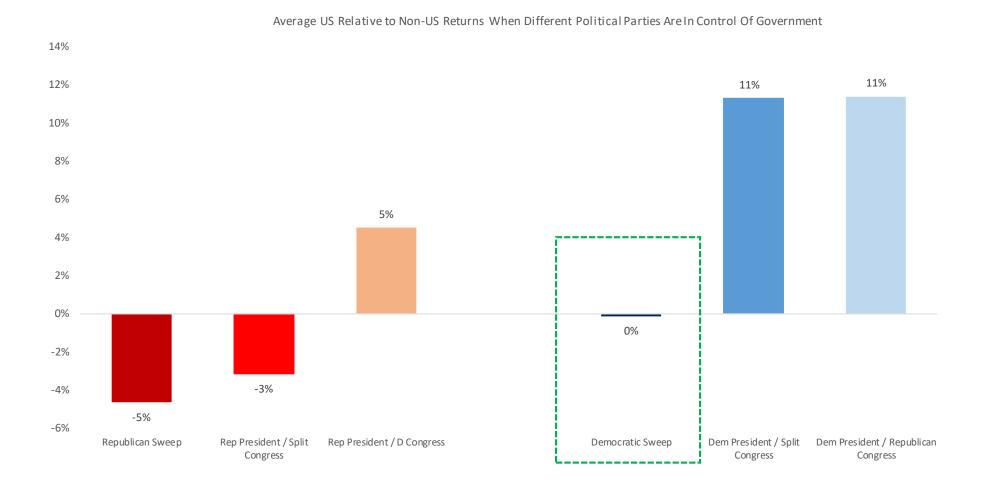
Dec-21

US Equities Tend To Outperform in Year 2 of the Election Cycle



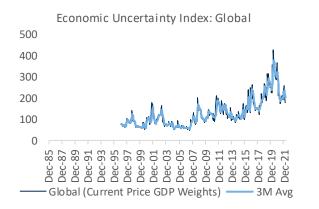
Source: RBC US Equity Strategy, Bloomberg. Study based on returns since 1979.

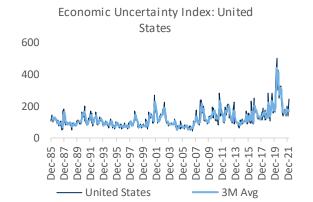
US Equities Tend To Lag Non-US Equities When Democrats Control the White House & Congress

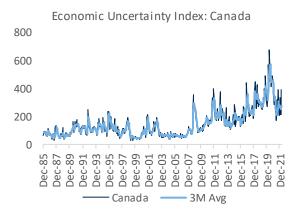


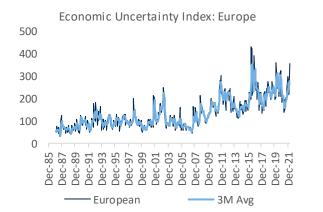
Source: RBC US Equity Strategy, Bloomberg. Study based on returns since 1979.

Economic Uncertainty Staring To Rise Again, More So in Europe & China Than in the US

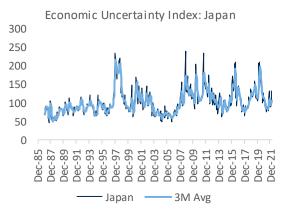










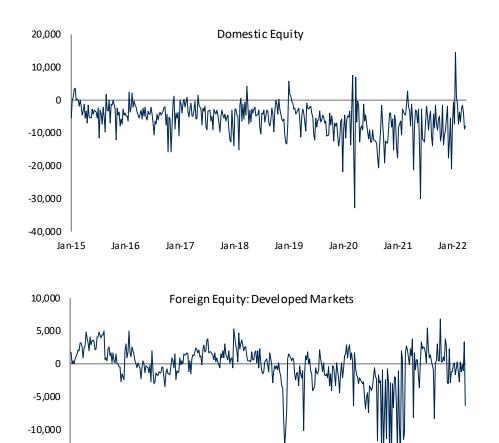


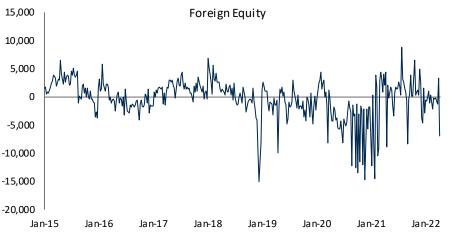
Source: RBC US Equity Strategy, Bloomberg, Baker, Bloom & Davis; as of March 2022

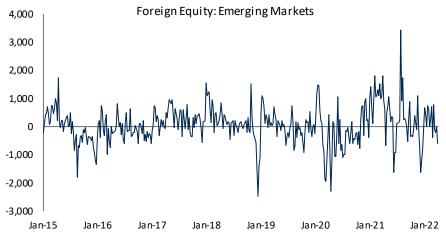
RBC Capital Markets

Global Context / Retail Money Flows

Foreign Equity Funds Flows Attempting to Perk Up As Domestic Equity Funds Flows Have Faded







Source: RBC US Equity Strategy, Haver Analytics, ICI; does not include Exchange-Traded Funds (ETFs); as of April 13, 2022

Jan-19

Jan-20

Jan-21

Jan-22

Jan-18

-15,000

-20,000

Jan-15

Jan-16

Jan-17

Large Cap Growth vs. Value

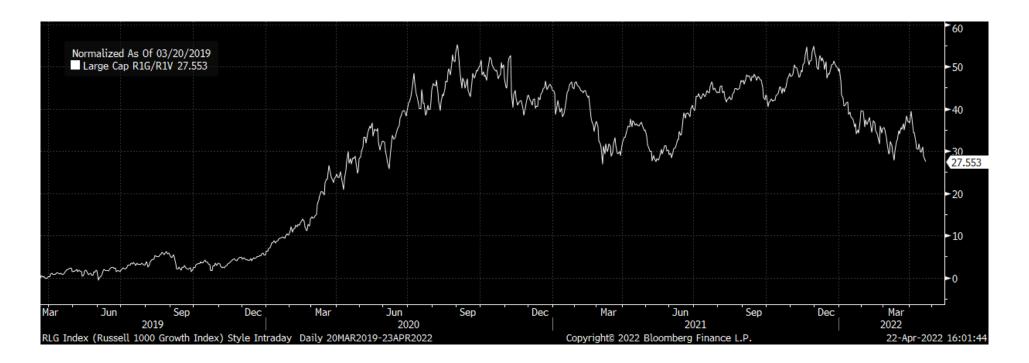
The Style Trade



Capital Markets

Large Cap Growth vs. Value / Performance Context

Growth Trade Attempting To Stabilize vs. Value

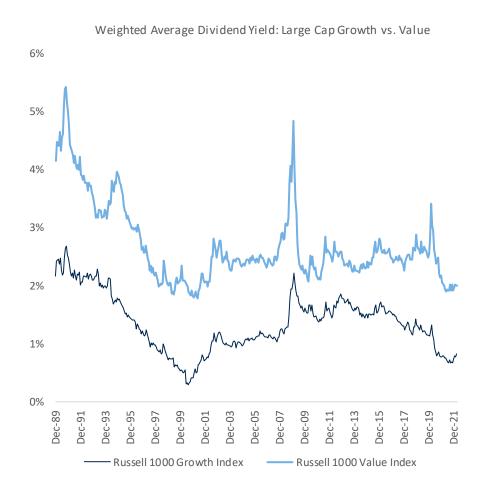


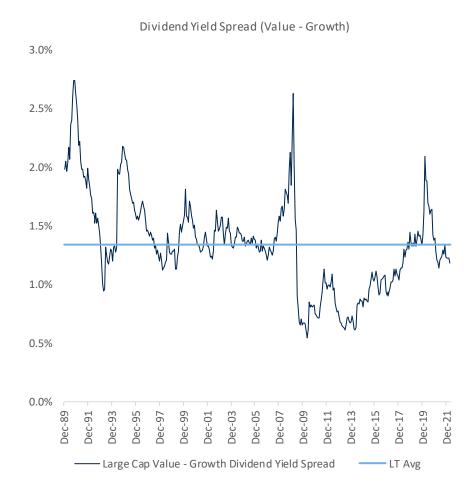
Buybacks Have Bounced Back in Both Styles, With a Stronger Move in Value



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell, Compustat. Latest data point is for 4Q21.

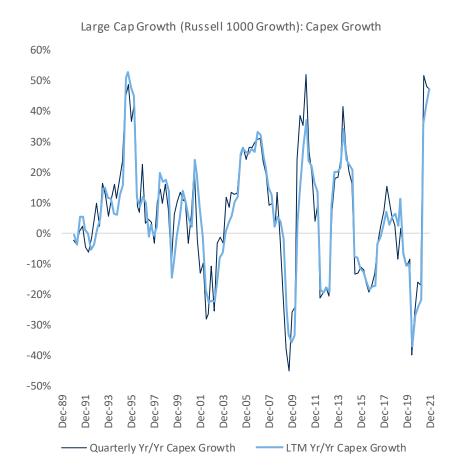
Dividend Yield Higher in Value Than Growth, Stabilizing in Both

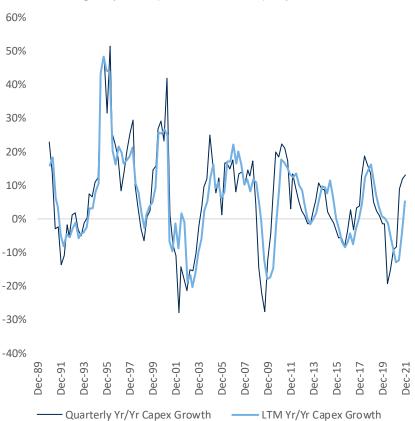




Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell; as of April 14, 2022

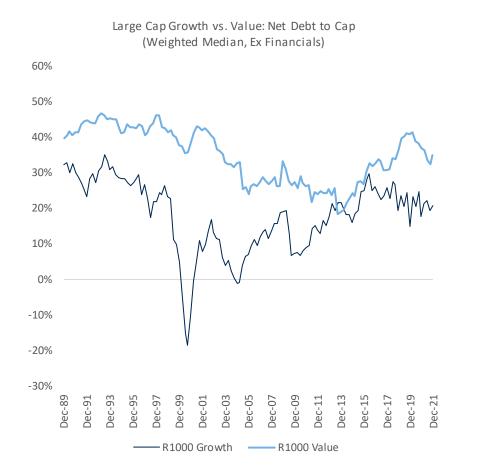
Capex Rebounding for Both Growth & Value

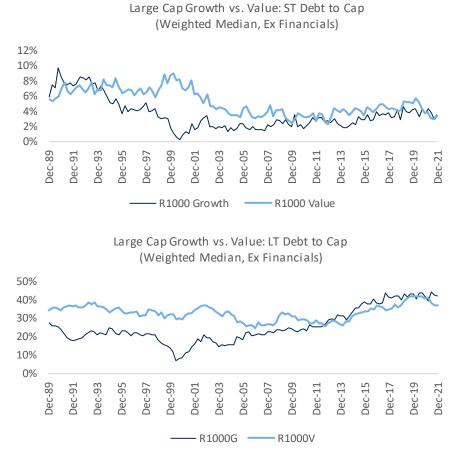




Large Cap Value (Russell 1000 Value): Capex Growth

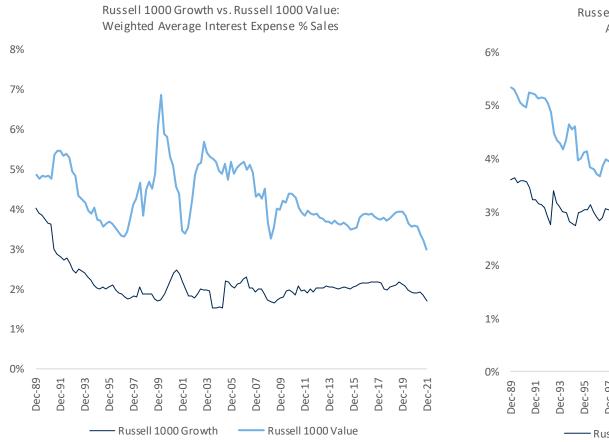
Debt Paydown Has Been Underway in Both Styles

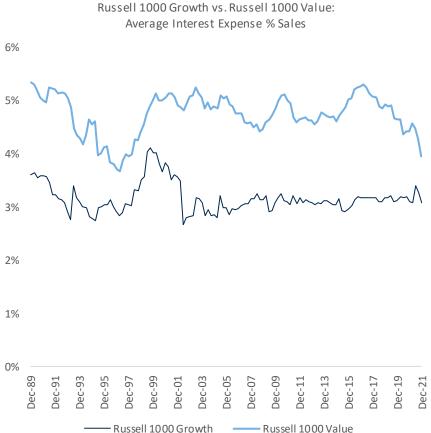




Source: RBC US Equity Strategy, S&P Capital IQ / ClariFI, Russell, Compustat. Latest data point is for 4Q21.

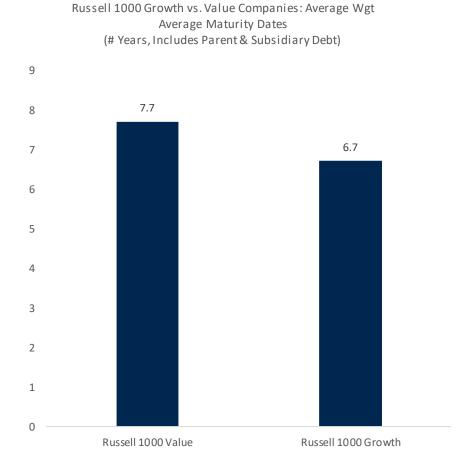
Interest Expense Relative to Sales Is Higher for Value, Has Been Declining in Both Styles



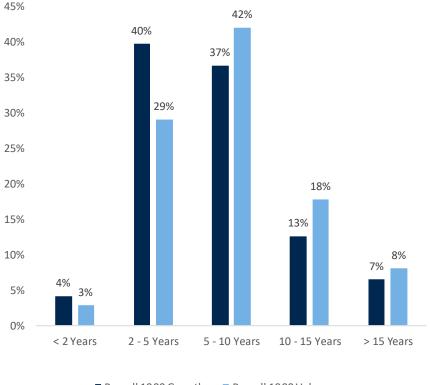


Source: RBC US Equity Strategy, S&P Capital IQ / ClariFI, Russell, Compustat. Latest data point is for 4Q21.

Growth Balance Sheets Look Slightly Worse Than Value Due to Shorter Debt Maturities



Russell 1000 Growth vs. Value Companies: Breakdown of Wgt Average Maturity Dates (% Companies, Includes Parent & Subsidiary Debt)

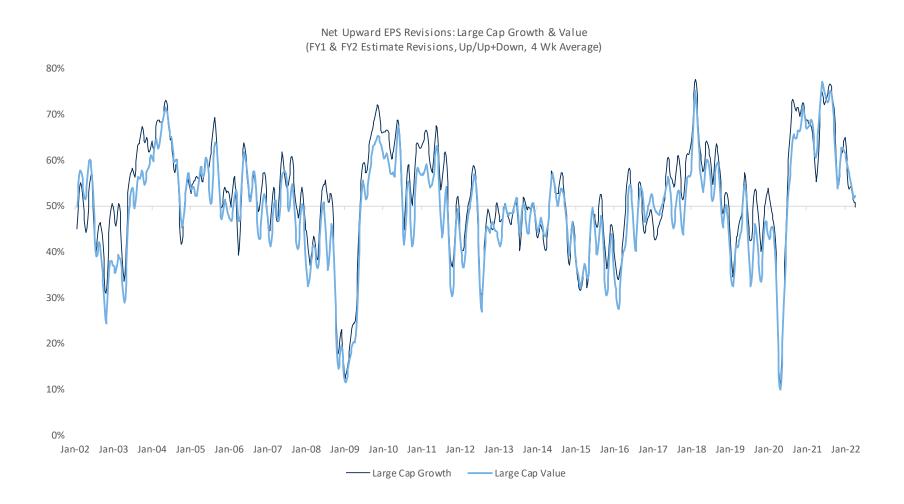


Russell 1000 Growth Russell 1000 Value

Source: RBC US Equity Strategy, Russell, Bloomberg; as of April 20, 2022

Large Cap Growth vs. Value / Revisions & Earnings

Earnings Revisions Are Slipping for Both Growth & Value

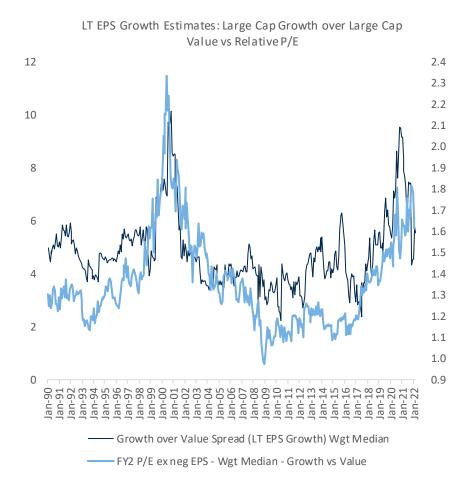


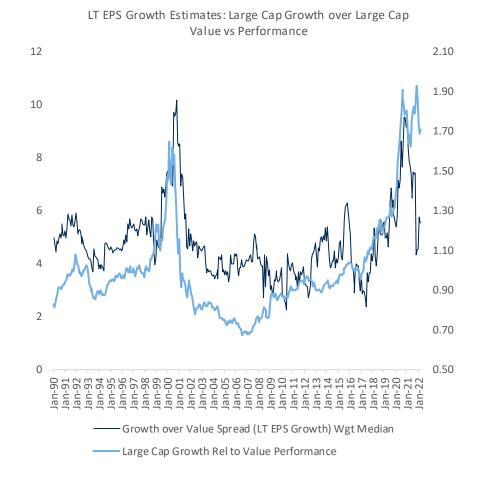
Earnings Revisions Trends Favor Value Over Growth, but Only Slightly

20% 15% 10% 5% 0% -5% -10% -15% 121-03 Jan-0A 31.06 Janoz 131-05 31-01 121-09 131-15 31-16 121-17 121-18 121-19 Jan-20 121-22 1311-08 4 Week Average Current

Net Upward EPS Revisions: Large Cap Growth Less Value (FY1 & FY2 Estimate Revisions, Up/Up+Down)

Growth/Value Relative P/E Compressed As the Gap in Growth Rates Narrowed

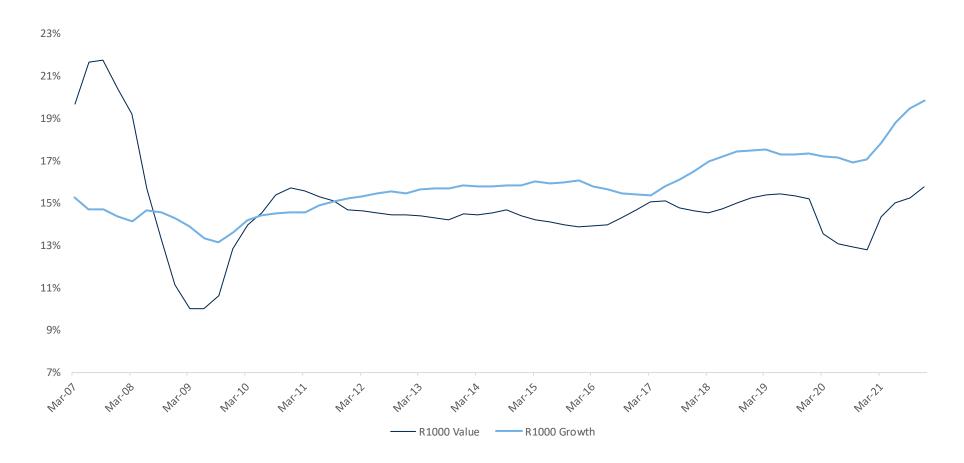




Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, IBES Estimates, LT Growth as of mid March 2022, long-term expectations based on 3-5-year outlook, pricing and performance as of the end of March 2022

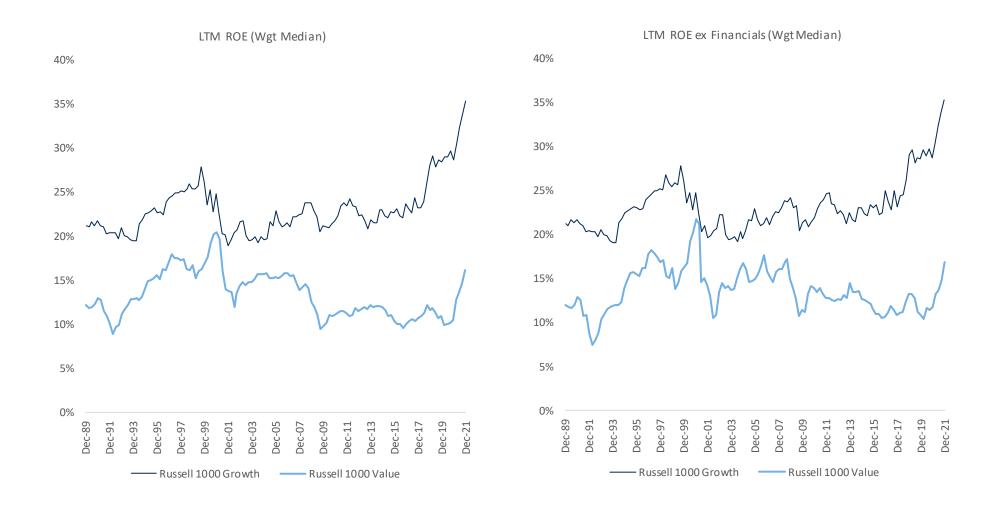
Margins Were More Resilient in Growth Than Value, Recovering in Both Recently

Large Cap Growth vs Value: LTM EBIT Margins

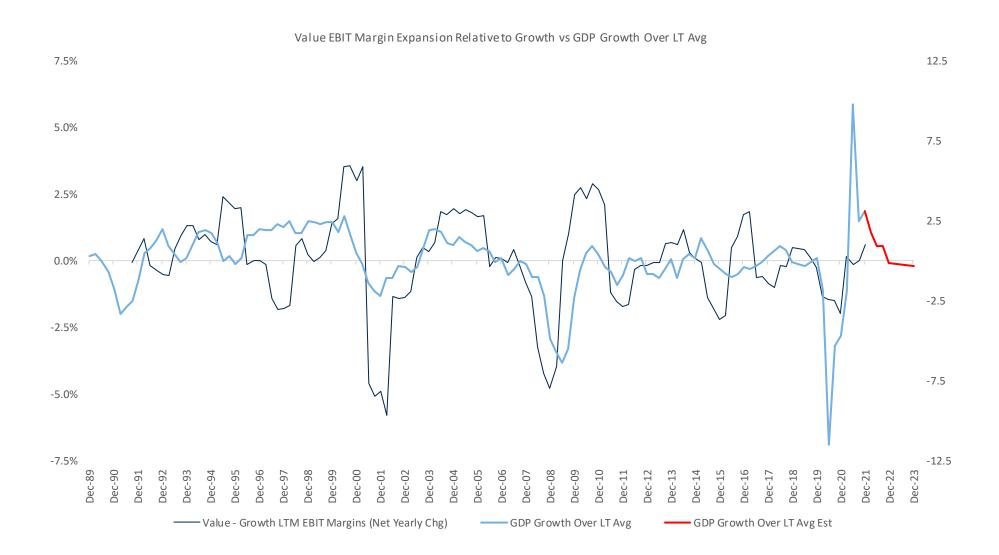


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell. Latest data point is as of 4Q21.

Growth is Seen as Higher Quality Than Value

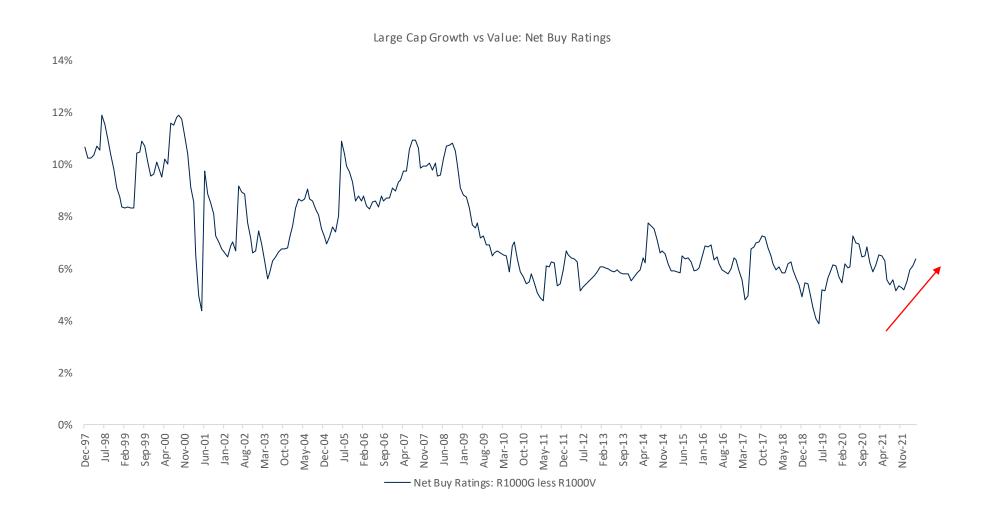


Value Margins Tend to Expand Faster Than Growth Margins When GDP Growth Is Above Trend



Large Cap Growth vs. Value / Investor Sentiment & Positioning

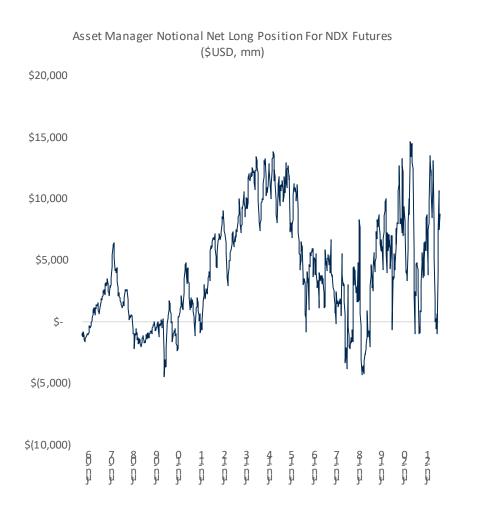
Growth Ratings Picking Up Relative to Value Again

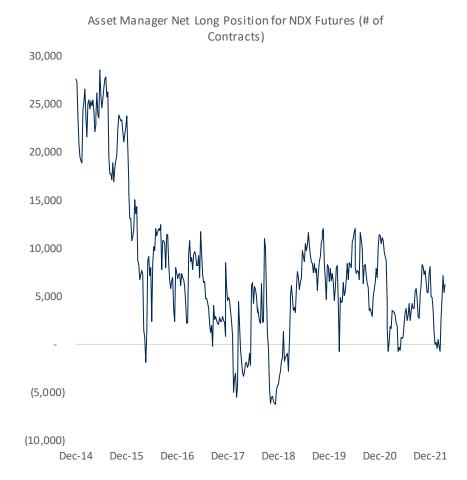


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell, CIQ estimates; as of April 14, 2022

Large Cap Growth vs. Value / Investor Sentiment & Positioning

Positioning in Nasdaq Futures Has Rebounded After Returning to 2020-2021 Lows

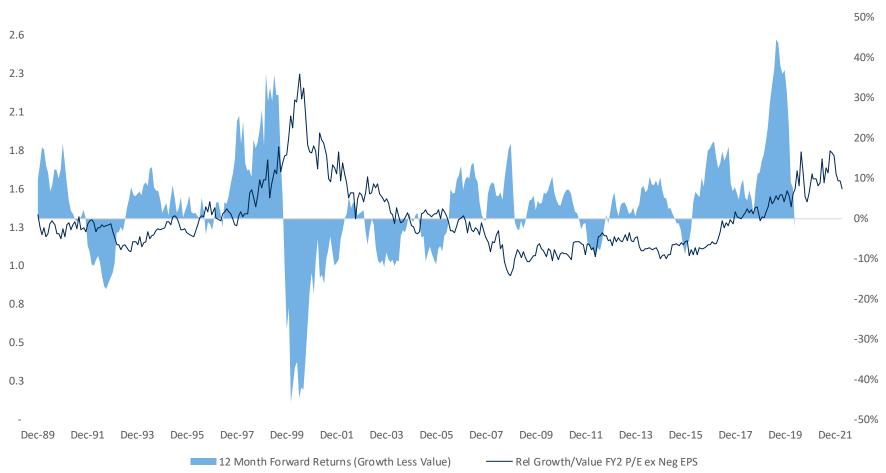




Asset Manager/Institutional: These are institutional investors, including pension funds, endowments, insurance companies, mutual funds, and portfolio/investment managers whose clients are predominantly institutional. Source: RBC US Equity Strategy, RBC Futures Desk, CFTC. As of 4/19/22.

Large Cap Growth vs. Value / Valuation

Growth Still Looks Expensive vs. Value on P/E, but Is Close to Pre-Pandemic Levels



Large Cap Growth/Value FY2 P/E ex Neg EPS (Weighted Median)

Growth/Value Relative Valuations by Metrics

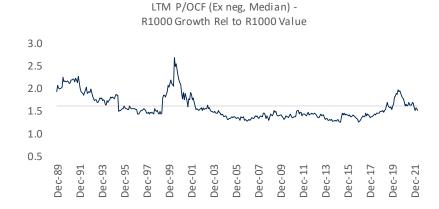
| Russell 1000 Gr | owth vs. Rus | sell 1000 Va | ue (Relative | Multip | les) | | | | | | | | | | | | | |
|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|---------------------------------|-----------------------------|-----------------------------|---|--------------------------------------|--------------------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|--------------------------|----------------------------------|
| | LTM P/E | Norm P/E | Norm P/E | | | LTM | LTM | LTM | LTM | LTM | LTM I | NTM P/E | FY1 P/E | FY2 P/E | | NTM | | |
| Unweighted | ex neg | ex neg - 5 | ex neg - 10 | LTM | LTM | EV/EBITDA | P/EBITDA | EV/EBIT | P/EBIT | P/OCF | P/FCF ex | ex neg | ex neg | ex neg | NTM | P/CF ex | FY2 PEG | Price/ |
| Medians | EPS | Yr Avg | Yr Avg | P/S | EV/S | ex neg | ex neg | ex neg | ex neg | ex neg | neg | EPS | EPS | EPS | P/S | neg CF | ex neg | Book |
| Current | 1.4 | 1.4 | 1.5 | 1.5 | 1.4 | 1.4 | 1.5 | 1.2 | 1.3 | 1.5 | 1.5 | 1.3 | 1.3 | 1.2 | 1.4 | 1.5 | 1.0 | 2.4 |
| Z Score | 0.2 | (0.4) | (0.6) | (0.2) | 0.3 | 0.8 | (0.3) | 0.3 | (0.5) | (0.3) | 0.1 | 0.1 | 0.0 | (0.2) | (0.1) | 0.6 | 1.1 | 1.0 |
| Avg | 1.3 | 1.5 | 1.6 | 1.6 | 1.3 | 1.3 | 1.6 | 1.2 | 1.5 | 1.6 | 1.4 | 1.3 | 1.3 | 1.3 | 1.5 | 1.3 | 0.9 | 2.0 |
| Median | 1.3 | 1.4 | 1.5 | 1.5 | 1.3 | 1.3 | 1.5 | 1.1 | 1.4 | 1.5 | 1.4 | 1.3 | 1.3 | 1.2 | 1.4 | 1.3 | 0.9 | 1.9 |
| Russell 1000 Gr | | sell 1000 Val Norm P/E | | Multip | les) | LTM | LTM | LTM | LTM | LTM | LTM I | NTM P/E | FY1 P/E | FY2 P/E | | NTM | | |
| Weighted | ex neg | ex neg - 5 | ex neg - 10 | LTM | LTM | EV/EBITDA | P/EBITDA | EV/EBIT | P/EBIT | D/OCE | P/FCF ex | ex neg | ex neg | ex neg | NTM | P/CF ex | FY2 PEG | Price/ |
| | | | | | | | 172011071 | | P/ CDII | P/UCF | | | | CALLEB | | | | , |
| Medians | EPS | Yr Avg | Yr Avg | P/S | EV/S | ex neg | ex neg | ex neg | ex neg | ex neg | neg | EPS | EPS | EPS | P/S | neg CF | ex neg | |
| Medians Current | EPS 1.4 | Yr Avg 1.7 | Yr Avg 2.0 | P/S 2.4 | EV/S 2.2 | • | • | | | | • | | • | • | | | ex neg 1.0 | |
| | | • | | | | ex neg | ex neg | ex neg | ex neg | ex neg | neg | EPS | EPS | EPS | P/S | neg CF | · · · | Book |
| Current | 1.4 | 1.7 | 2.0 | 2.4 | 2.2 | ex neg | ex neg 1.9 | ex neg 1.4 | ex neg 1.6 | ex neg 1.6 | neg 1.3 | EPS 1.5 | EPS 1.5 | EPS 1.6 | P/S 2.4 | neg CF 1.7 | 1.0 | Book 4.8 |
| Current Z Score | 1.4 (0.1) | 1.7 0.1 | 2.0 0.5 | 2.4 1.4 | 2.2 2.4 | ex neg 1.7 0.9 | ex neg 1.9 0.2 | ex neg 1.4 0.4 | ex neg 1.6 (0.3) | ex neg 1.6 (0.3) | neg 1.3 (0.3) | EPS 1.5 0.4 | EPS 1.5 0.3 | EPS 1.6 0.9 | P/S 2.4 1.2 | neg CF 1.7 0.4 | 1.0 0.8 | Book 4.8 2.5 |
| Current Z Score Max | 1.4 (0.1) 2.4 | 1.7 0.1 3.2 | 2.0 0.5 3.9 | 2.4 1.4 3.9 | 2.2 2.4 2.6 | ex neg 1.7 0.9 2.8 | ex neg 1.9 0.2 4.3 | ex neg 1.4 0.4 2.6 | ex neg 1.6 (0.3) 3.7 | ex neg 1.6 (0.3) 3.0 | neg 1.3 (0.3) 3.4 | EPS 1.5 0.4 2.4 | EPS 1.5 0.3 2.6 | EPS 1.6 0.9 2.3 | P/S 2.4 1.2 5.7 | neg CF 1.7 0.4 4.9 | 1.0 0.8 1.5 | Book 4.8 2.5 5.7 |

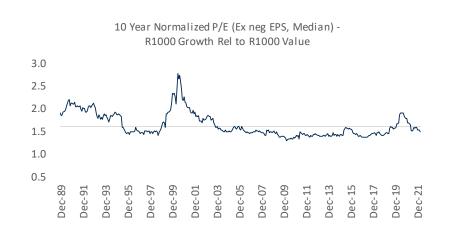
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell, Compustat, CIQ estimates, IBES estimates; as of April 18, 2022

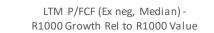
Large Cap Growth vs. Value / Valuation

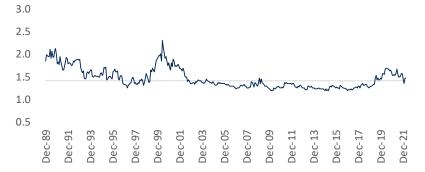
Growth Slightly Attractive vs. Value on Normalized P/Es and Cash Flow Metrics





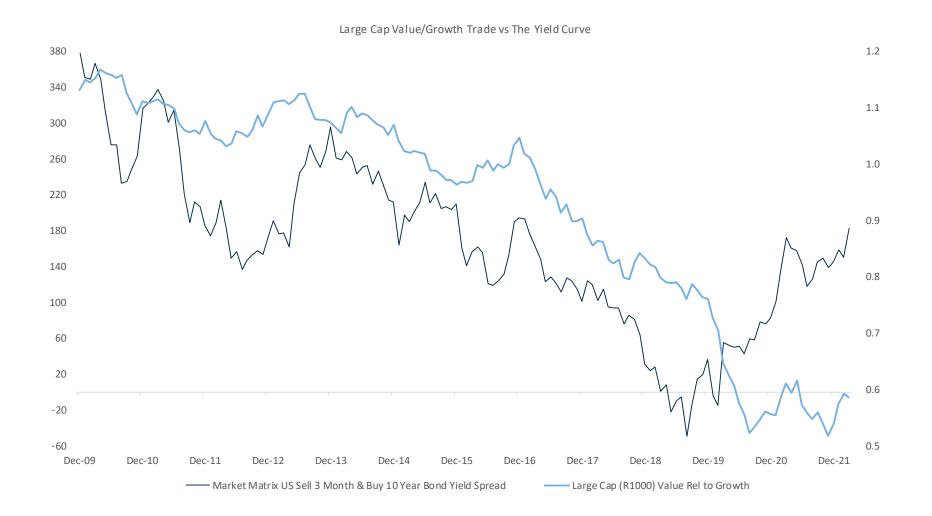




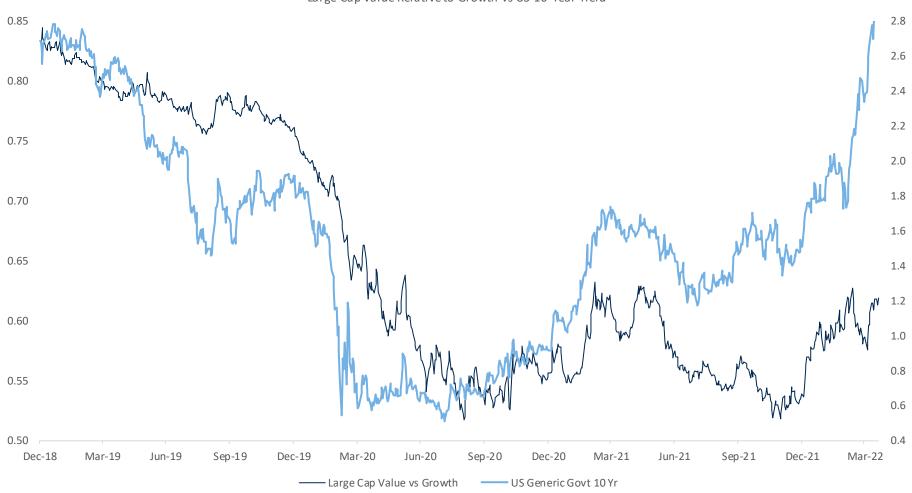


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, Russell, Compustat, CIQ estimates, IBES estimates; as of April 18, 2022

Yield Curve Remains an Important Barometer for the Style Trade

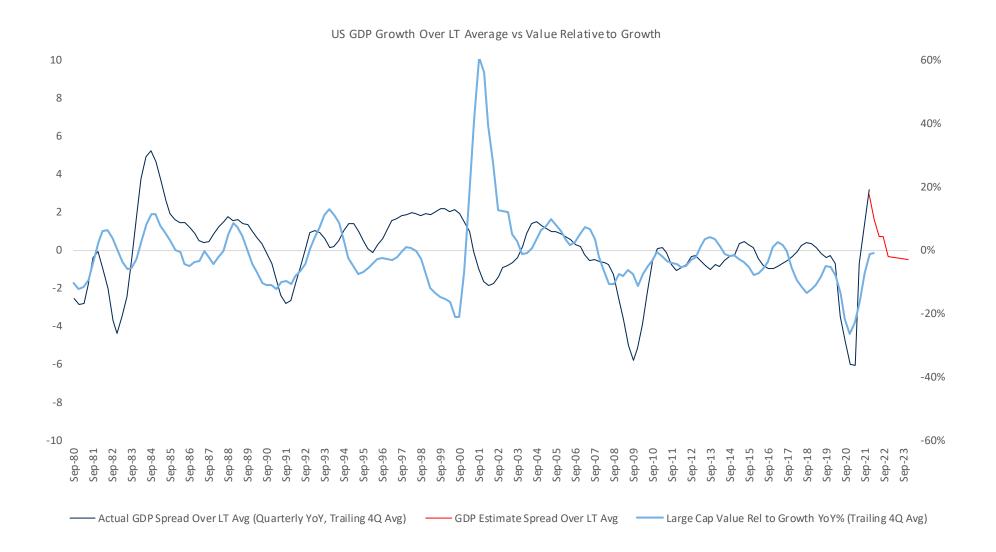


In 2021, Value Leadership Peaked Alongside 10-Year Yields



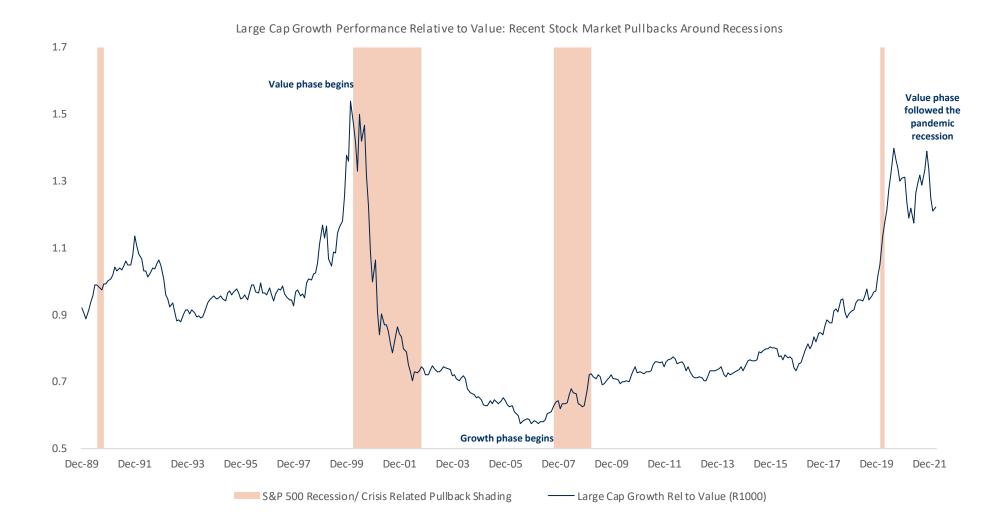
Large Cap Value Relative to Growth vs US 10-Year Yield

2022 GDP Backdrop Has Been Supportive of the Value Trade, but Seems Unlikely to Last

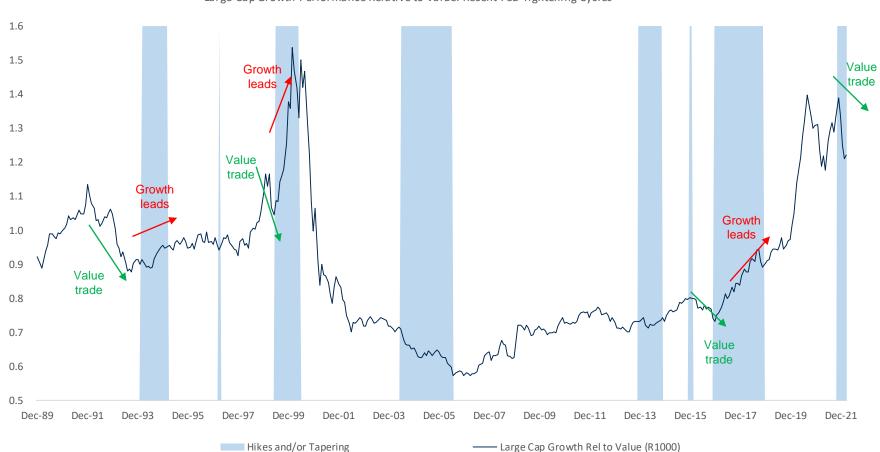


Source: RBC US Equity Strategy, Russell, Bloomberg; as of April 20, 2022

The Last Two Recessions Have Ushered in Sticky Shifts in Style Leadership



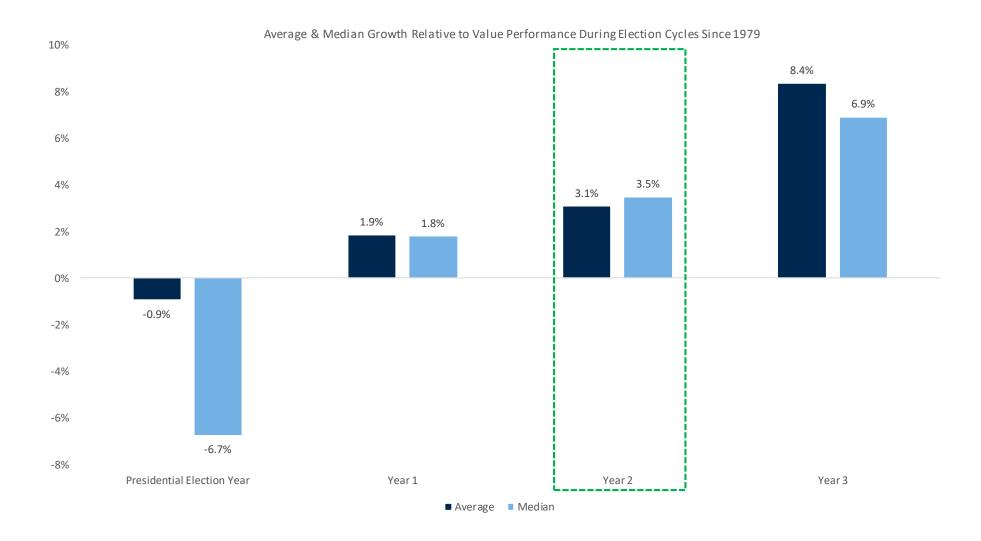
Edge to Value Ahead of Hiking, Edge to Growth During Hiking



Large Cap Growth Performance Relative to Value: Recent Fed Tightening Cycles

Large Cap Growth vs. Value / Policy

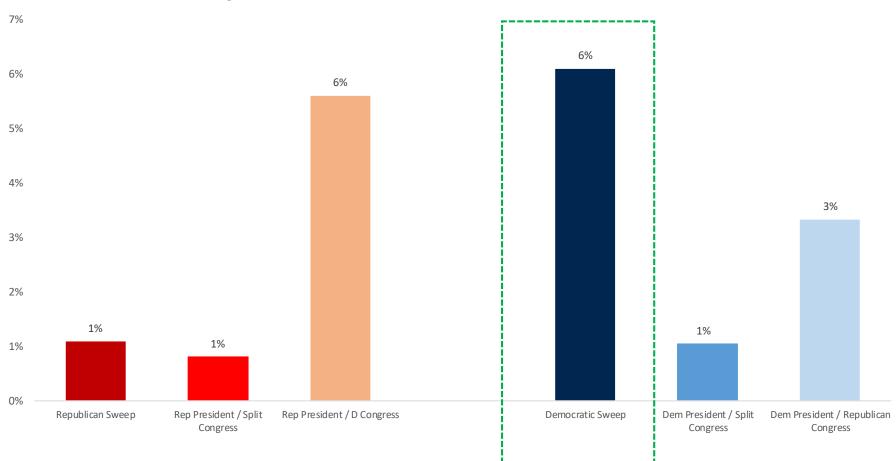
Growth Tends to Outperform in Year 2 of Election Cycles



Source: RBC US Equity Strategy, Russell, Bloomberg. Study based on returns since 1979.

Large Cap Growth vs. Value / Policy

Growth Usually Outperforms Under United Democratic Government

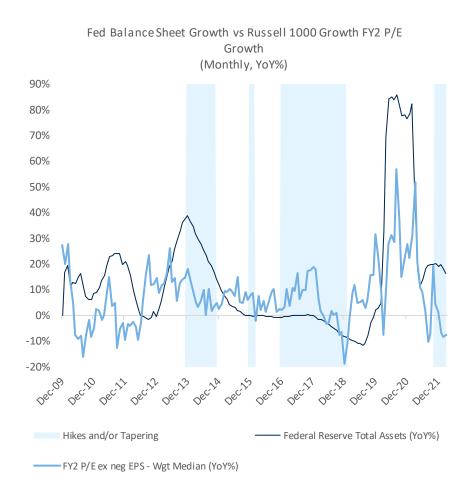


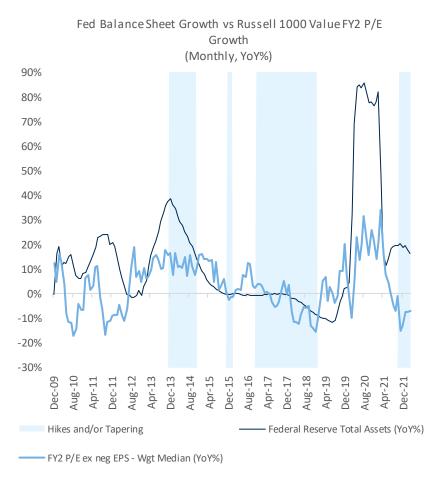
Average Growth Relative to Value Returns When Different Political Parties Are In Control Of Government

Source: RBC US Equity Strategy, Russell, Bloomberg. Study based on returns since 1979.

Large Cap Growth vs. Value / Policy

Growth & Value P/Es Both Already Baking in Balance Sheet Contraction

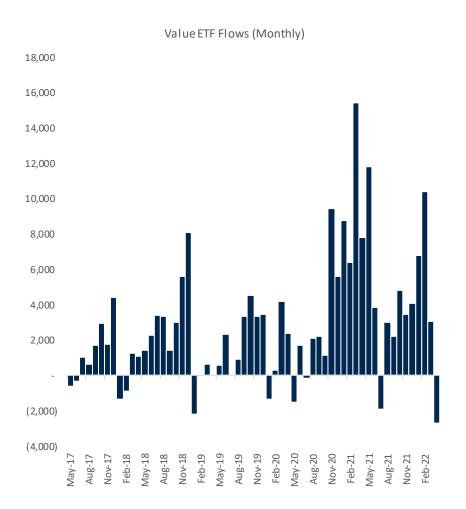


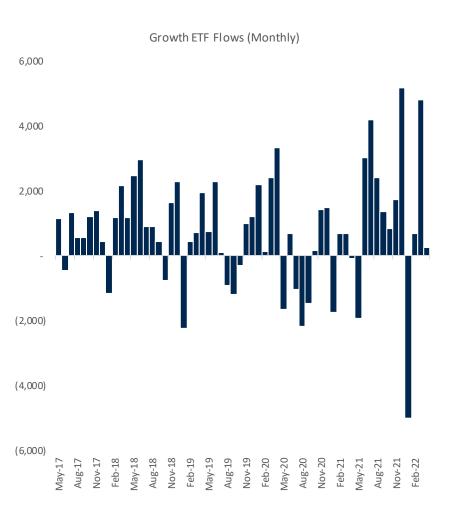


Source: RBC US Equity Strategy, Bloomberg, S&P Capital IQ/ClariFi, P/Es based on actuals and consensus forecasts; as of March 2022

Large Cap Growth vs. Value / Retail Money Flows

Value ETF Flows Have Stumbled, While Growth ETF Flows Have Bounced Back

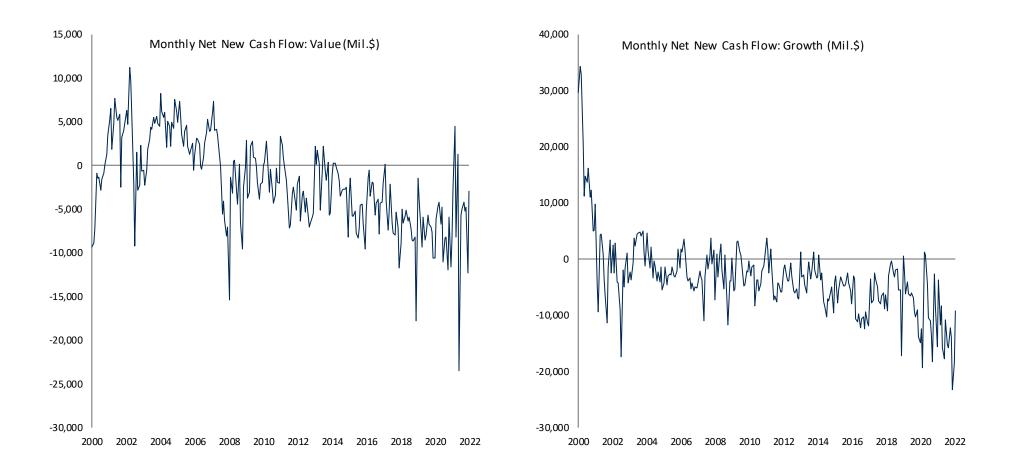




Source: RBC US Equity Strategy, Bloomberg; as of April 20, 2022

Large Cap Growth vs. Value / Retail Money Flows

Net New Cash Flow for Actively Managed Funds Trending Negative for both Growth and Value



Source: RBC US Equity Strategy, Haver, Investment Company Institute; as of February 2022

Large Cap Sectors

S&P 500 GICS Level 1 Sectors



Large Cap Sector Baskets / Overview

Higher Level Views on Cyclicals, Secular Growth & Defensives

Cyclicals: Seems late innings to us.

Arguments in favour of Cyclicals:

- Cyclicals are still outpacing both Secular Growth and Defensives in terms of EPS revisions.
- Cyclicals look undervalued vs. Defensives.

Why the trade feels late innings to us:

- Cyclicals are still outperforming Secular Growth, but performance is starting to stall relative to Defensives.
- Cyclicals usually lag Secular Growth and Defensives after rate hikes begin and when GDP is trending below average.
- Cyclicals look fairly valued vs. Secular Growth again.
- Cyclicals are improving in terms of quality (ROE) but still lag Secular Growth and Defensives on this basis.

Sector biases:

- Preferred areas Financials (OW)
- Other sectors Industrials (MW), Materials (MW), Energy (MW)

Secular Growth: Getting to be the more interesting bucket to us.

Problems with Secular Growth:

- Secular Growth has lagged Cyclicals and Defensives in early 2022.
- Secular Growth EPS revisions lagging Cyclicals, though they're holding up better than Defensives.

Why we've been looking for a shift back to Secular Growth leadership:

- Secular Growth is seen as highest quality, with the highest ROEs this is the time in the recovery to shift back to high quality.
- Secular Growth is looking undervalued vs. Defensives and fairly valued vs. Cyclicals (no longer expensive).
- Secular Growth tends to outperform Cyclicals when GDP growth is below average, a growing risk.
- Secular Growth often outperforms Cyclicals once Fed rate hikes begin, though this is not the case with performance vs. Defensives.

Sector biases:

Stick with Tech (OW), neutral Cons Disc (MW), cautious on Comm Svcs (UW)

Defensives: We sympathize with the desire to add exposure, but are having a hard time finding a sector we want to OW here.

Why we feel like we should be getting a bit more intrigued:

- Defensives performance improved vs. both Cyclicals and Secular Growth recently.
- Defensives tend to outperform both Cyclicals and Secular Growth after trends in ISM manufacturing peak which appears to have happened in 2021.
- Defensives also tend to outperform both Cyclicals and Secular Growth after rate hikes begin, as a cooling off of the economy starts to get baked in.
- Defensives tend to outperform both Cyclicals and Secular Growth when GDP growth is below average, a growing risk for 2023.

Lingering problems/concerns that keep us on the sidelines, and other things we're watching:

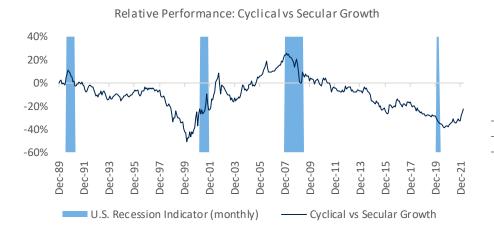
- Defensives are lagging both Cyclicals and Secular Growth on the rate of upward EPS estimate revisions trends.
- Defensives look expensive vs. both Cyclicals and Secular Growth close to extremes vs. the latter.
- Defensives are seen as in between on quality, with higher ROEs than Cyclicals and lower ROEs than Secular Growth.

Sector biases:

Sectors: Health Care (MW), Utilities (MW), Consumer Staples (MW), REITs (UW)

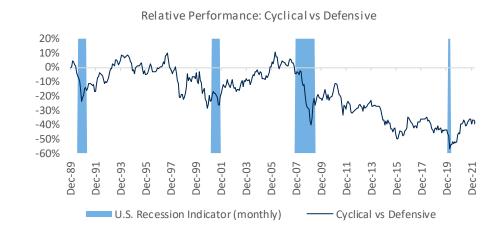
Large Cap Sector Baskets / Performance

Defensives & Cyclicals Have Been Outperforming Secular Growth



Relative Performance: Secular Growth vs Defensive

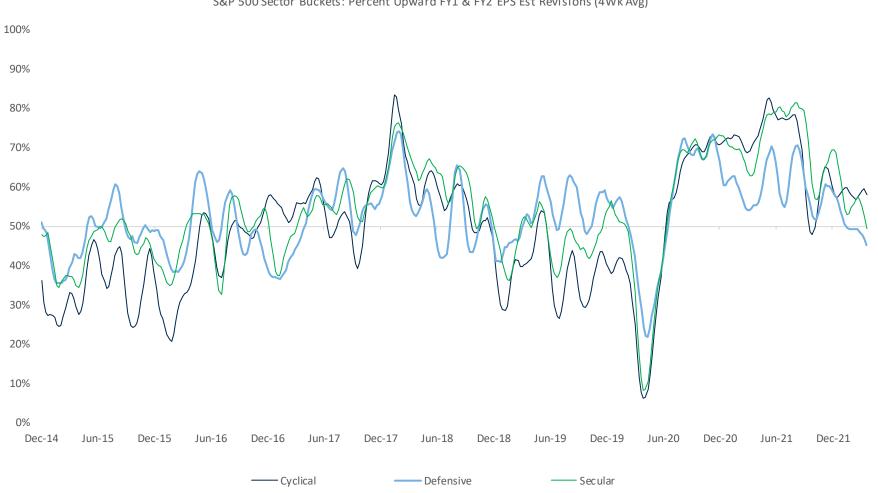




Source: RBC US Equity Strategy; S&P Capital IO/ClariFi. As of April 14, 2022. Cyclical Sectors: Financials, Industrials, Materials & Energy. Defensive Sectors: Consumer Staples, Utilities, Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, Consumer Discretionary.

Large Cap Sector Baskets / Revisions & Earnings

EPS Revisions Trends Flipping Negative for Defensives & Growth, Resilient for Cyclicals



S&P 500 Sector Buckets: Percent Upward FY1 & FY2 EPS Est Revisions (4Wk Avg)

Source: RBC US Equity Strategy; S&P Capital IO/ClariFi, Compustat, CIQ estimates. As of April 15, 2022. Cyclical Sectors: Financials, Industrials, Materials & Energy. Defensive Sectors: Consumer Staples, Utilities, Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, Consumer Discretionary.

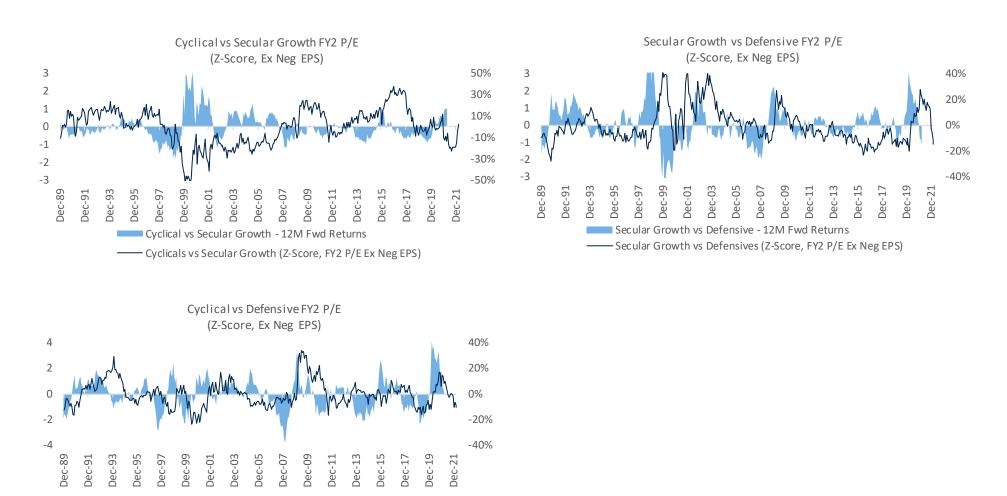
Large Cap Sector Baskets / Quality

Secular Growth Is Seen as Higher Quality Than Cyclicals & Defensives



Large Cap Sector Baskets / Valuations

Defensives Look Expensive vs. Both Secular Growth & Cyclicals

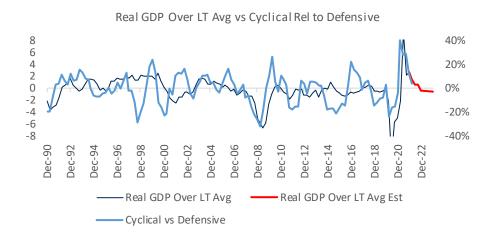


Cyclical vs Defensive - 12M Fwd Returns
 Cyclicals vs Defensive (Z-Score, FY2 P/E Ex Neg EPS)

Source: RBC US Equity Strategy; S&P Capital IO/ClariFi, Compustat, CIQ estimates. Cyclical Sectors: Financials, Industrials, Materials, and Energy. Defensive Sectors: Consumer Staples, Utilities, and Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, and Consumer Discretionary. As of April 14, 2022.

Large Cap Sector Baskets / Economy

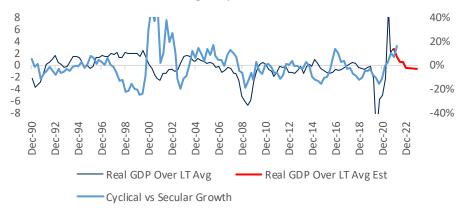
Cyclicals Tend to Lag Both Defensives & Secular Growth When GDP Is Decelerating To Below Avg



8 40% 6 4 20% 2 0 0% -2 -4 -20% -6 -8 -40% Dec-90 Dec-96 Dec-98 Dec-00 Dec-02 Dec-08 Dec-10 Dec-18 Dec-20 Dec-22 Dec-92 Dec-04 Dec-06 Dec-12 Dec-14 Dec-94 Dec-16 Real GDP Over LT Avg Real GDP Over LT Avg Est Secular Growth vs Defensive

Real GDP Over LT Avg vs Secular Growth Rel to Defensive

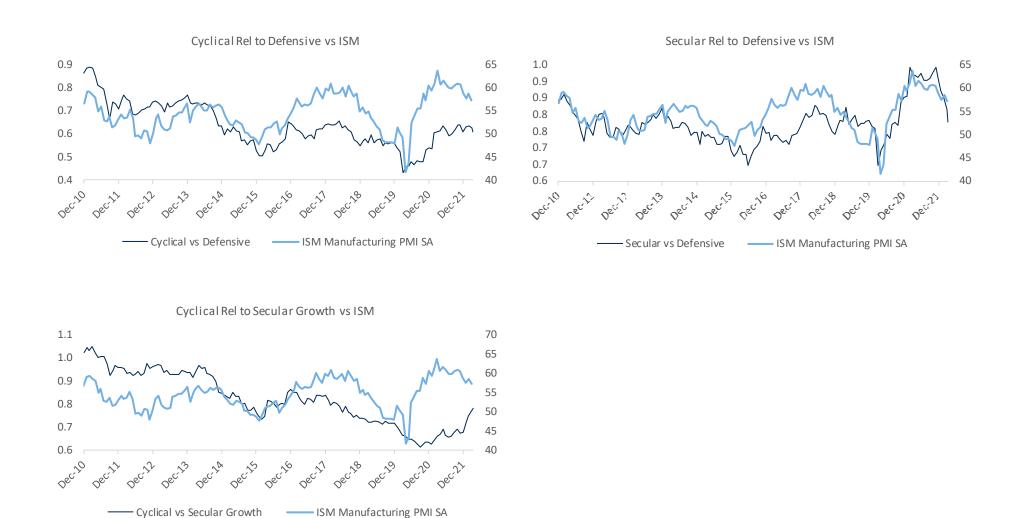
Real GDP Over LT Avg vs Cyclical Rel to Secular Growth



Source: RBC US Equity Strategy; S&P Capital IO/ClariFi, Bloomberg. As April 14, 2022. Cyclical Sectors: Financials, Industrials, Materials & Energy. Defensive Sectors: Consumer Staples, Utilities, Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, Consumer Discretionary.

Large Cap Sector Baskets / Economy

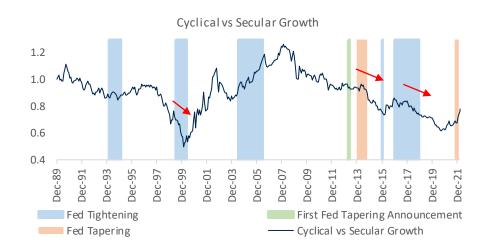
Defensives Have Been Trading Better Since The ISM Mfg Peak

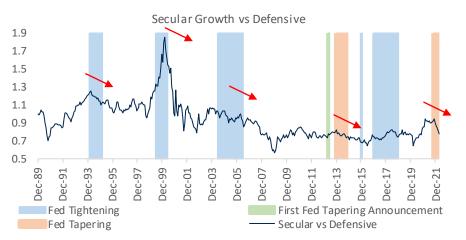


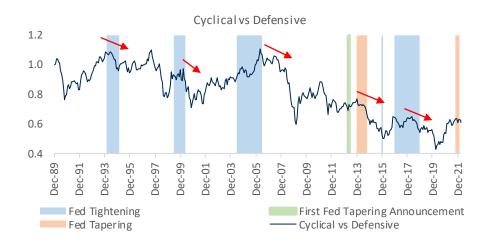
Source: RBC US Equity Strategy; S&P Capital IO/ClariFi, Compustat, CIQ estimates, Bloomberg. As of April 14, 2022. Cyclical Sectors: Financials, Industrials, Materials & Energy. Defensive Sectors: Consumer Staples, Utilities, Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, Consumer Discretionary.

Large Cap Sector Baskets / Policy

Defensives Often Start To Lead Secular & Cyclicals After Fed Starts Tapering/Hiking







Source: RBC US Equity Strategy; S&P Capital IO/ClariFi. Cyclical Sectors: Financials, Industrials, Materials, and Energy. Defensive Sectors: Consumer Staples, Utilities, and Health Care. Secular Growth Sectors: Tech, Internet, Communications Services, and Consumer Discretionary. As of April 14, 2022.

S&P 500 Sector Quality Factor Heat Map: Key Quality Factor Rankings by Sector

| Large Cap Quality Factor Rankings | ROE | Net Debt To Capital | Short Interest % Shr/O | Market Cap | Average Rank |
|-----------------------------------|-------------------|----------------------------------|-------------------------|--------------------------|--------------------|
| Communication Services | 3 | 1 | 8 | 3 | 3.8 |
| Consumer Discretionary | 4 | 5 | 11 | 1 | 5.3 |
| Consumer Staples | 2 | 8 | 2 | 4 | 4.0 |
| Energy | 9 | 4 | 7 | 6 | 6.5 |
| Financials | 7 | 3 | 1 | 7 | 4.5 |
| Health Care | 6 | 6 | 3 | 5 | 5.0 |
| Industrials | 5 | 10 | 9 | 8 | 8.0 |
| Information Technology | 1 | 2 | 4 | 2 | 2.3 |
| Materials | 8 | 7 | 6 | 9 | 7.5 |
| Real Estate | 10 | 9 | 10 | 11 | 10.0 |
| Utilities | 11 | 11 | 5 | 10 | 9.3 |
| Ranking Criteria | #1 is highest ROE | #1 is lowest Net Debt To Capital | #1 is lowest SI % Shr/O | #1 is highest Market Cap | #1 Is Most Desired |

Source: RBC US Equity Strategy, Compustat, S&P Capital IQ/ClariFi. Wgt median used for all metrics. ROE and Debt To Capital are as of 4Q21 (final), Market Cap as of 1Q22, and Short Interest as of 3/31.

Large Cap Sectors / ESG Scorecard

ESG Heat Map for US Sectors

In the table below, we compare where US sectors are currently in favor and out of favor in actively managed ESG funds and where ESG profiles are improving the most and the least - to gauge current positioning pressures and where positioning could shift.

Please see the ESG Strategy team's <u>latest Stat Pack</u> for more details.

| GICS Level 1 Sectors | OW / UW in Global Sustainable Funds | OW / UW in US Sustainable Funds | Aggregate ESG Momentum Score | Key Details Behind Our ESG Momentum Score |
|------------------------|--|------------------------------------|---------------------------------|---|
| Communication Services | Underweight | Underweight | Low | Media & Entertainment drives the low momentum score, due to rising risks related to competitive behavior and employee engagement, diversity & inclusion. Telecom scores high. |
| Consumer Discretionary | onsumer Discretionary Underweight | | Low | Trends are mixed within the sector. Autos and Consumer Durables & Apparel rank high on ESG momentum, but Retail scores low. |
| Consumer Staples | Underweight | Neutral | Low | All three subsectors rank low on our ESG momentum rankings, in part driven by higher human capital management risks. |
| Energy | Underweight | Underweight | Medium | Overall the sector ranks middle of the pack across our ESG momentum indicators. Real-time ESG sentiment scores are pointing to meaningful improvement, a positive development. |
| Financials | Underweight | Underweight | High | Within the sector, all three subsectors rank high on ESG momentum. Overall we see increased focus on integrating ESG into products/services, while business ethics risks have improved. |
| Health Care | Overweight | Overweight | Medium | Within the sector, Pharma/Biotech scores worst on ESG momentum (in part driven by product governance risks). HC Equipment & Services ranks middle of the pack. |
| Industrials | Overweight | Overweight | Medium | Overall the sector ranks middle of the pack across our ESG momentum indicators. |
| Info Tech | Overweight | Overweight | Low | Within the sector, Software & Services ESG momentum drags down the overall sector, with rising risks related to competitive behavior. |
| Materials | Overweight | Neutral | Medium | Overall the sector ranks middle of the pack across our ESG momentum indicators. |
| Real Estate | Neutral | Neutral | High | The sector ranks high across our ESG momentum indicators as companies have stepped up activities targeting emissions & energy management, and business ethics risks have eased. |
| Utilities | Overweight | Slightly OW | High | The sector ranks relatively high across our aggregate ESG momentum indicators. However, real-time ESG sentiment scores are pointing to some deterioration which bears watching. |

Most Performance Enthusiasm on Fins, HC & Tech; HC & Uts Rank High on Most Key Issues

| | Performance | Valuations | Fundamentals | Margins | Supply Chains | Pricing Power | Demand | Russia/Direct | Russia/Indirect | All Questions |
|------------------------|-------------|------------|--------------|----------|-----------------|----------------------|-----------|---------------|-----------------|----------------------------|
| | Avg Score | Avg Score | Avg Score | % Expand | % Major Problem | Avg Score | Avg Score | Avg Score | Avg Score | Avg Score ex Mgns & Sp Chn |
| All Industries | 0.52 | 0.54 | 0.79 | 54% | 19% | 0.67 | 1.15 | 0.40 | -0.13 | Ex Margins & Supply Chains |
| | | | | | | | | | | |
| Communication Services | -0.25 | 0.50 | 0.75 | 50% | 0% | 0.00 | 0.50 | 0.00 | -0.50 | 0.14 |
| Consumer Discretionary | -0.60 | 0.00 | -0.60 | 40% | 60% | 0.20 | 0.60 | -0.20 | -1.20 | -0.26 |
| Consumer Staples | -1.00 | -1.00 | -1.00 | 0% | 100% | 1.00 | 2.00 | -1.00 | -2.00 | -0.43 |
| Energy | 0.80 | 0.60 | 1.40 | 80% | 0% | -0.20 | 1.00 | 1.00 | 0.20 | 0.69 |
| Financials | 1.17 | 1.00 | 1.33 | 83% | 0% | 0.67 | 1.00 | 0.17 | -0.67 | 0.67 |
| Health Care | 1.00 | 1.00 | 1.20 | 40% | 0% | 1.00 | 1.60 | 1.20 | 1.00 | 1.14 |
| Industrials | 0.67 | 0.00 | 0.83 | 83% | 33% | 1.67 | 1.67 | 0.33 | -0.17 | 0.71 |
| Information Technology | 1.00 | 1.33 | 1.33 | 33% | 0% | 0.67 | 1.33 | 0.00 | -0.33 | 0.76 |
| Materials | 0.50 | 0.38 | 0.50 | 25% | 38% | 0.63 | 1.13 | 0.38 | 0.13 | 0.52 |
| REITs | 0.50 | 0.00 | 1.00 | NA | 0% | 0.50 | 1.00 | 0.00 | 0.00 | 0.43 |
| Utilities | 0.67 | 1.33 | 1.00 | 67% | 0% | 1.33 | 1.33 | 1.33 | 1.00 | 1.14 |

Numbers: +2 (Very bullish, very attractive, very strong, not worried at all), +1 (bullish, attractive, strong, not very worried), 0 (neutral/don't know), -1 (bearish, expensive, weak, a little worried), -2 (very bearish, very expensive, very weak, very worried)

Source: RBC US Equity Strategy, RBC Capital Markets estimates; based on the quarterly RBC equity analyst survey conducted late March 2022

Large Cap Sectors / US Equity Strategy Scorecard

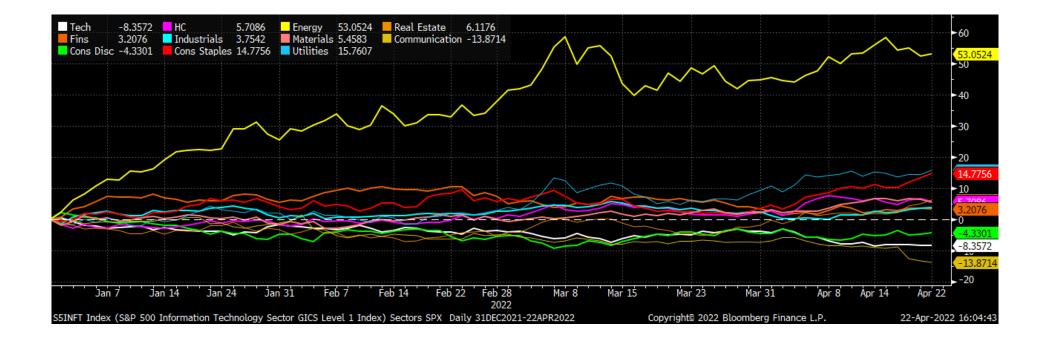
US Equity Strategy Sector Views

| | Recommendation (6-12 Months) | Attributes |
|--------------|---|---|
| Comm Svcs | Underweight | Attractive valuations vs. the S&P 500 and ranks well on quality. But a pessimistic outlook from RBC's analyst teams and weaker ESG profile. ETF flows have also been weak. Some risk from Russia/Ukraine. |
| Cons Disc | Market Weight | Attractive valuations vs. the S&P 500, but a mixed quality profile, weak ETF flows, pessimistic outlook from RBC's analyst teams. ESG profile is also weak. Some risk from Russia/Ukraine. |
| Cons Staples | Market Weight | High quality relative to other defensives and strong ETF flows, but expensive valuations vs. the S&P 500, pessimistic outlook from RBC's analyst teams, weak ESG profile, high risk from Russia/Ukraine. Our analyst team believes EPS risks will become more apparent in 2H. |
| Energy | Market Weight | Attractive valuations vs. the S&P 500, strong EPS/sales revisions trends, less risk from Russia/Ukraine, and high dividend yield appeal. But low quality profile, and weak ESG profile. Optimistic outlook from RBC's analyst teams, though less so late 2021. ETF flows weakening. |
| Financials | Overweight | Attractive valuations vs. the S&P 500, strong EPS/sales revisions trends vs. other sectors, strong buyback trends, and high quality profile. Optimistic outlook from RBC's analyst teams. Mixed on ESG. Some risk from Russia/Ukraine. Weak ETF flows. |
| Health Care | Market Weight | Optimistic outlook from RBC's analyst, strong on ESG, less risk from Russia/Ukraine, strong ETF flows. But expensive valuations vs. the S&P 500, weak EPS/sales revisions vs. other sectors, and mixed quality profile. |
| Industrials | Market Weight | Modestly attractive valuations vs. the S&P 500, strong on ESG and less risk from Russia/Ukraine. But low quality profile, neutral/mixed outlook from RBC's analyst teams, and weak ETF flows. |
| Info Tech | Overweight | Modestly attractive valuations vs. the S&P 500, strong EPS/sales revisions trends vs. other sectors, high quality profile, optimistic outlook from RBC's analyst teams, strong on ESG, less risk from Russia/Ukraine, and strong ETF flows. |
| Materials | Market Weight | Attractive valuations vs. the S&P 500, strong EPS/sales revisions trends vs. other sectors, strengthening ETF flows, solid on ESG, less risk from Russia/Ukraine. But low quality profile, and neutral/mixed outlook from RBC's analyst teams. |
| REITs | Underweight | Strong EPS/sales revisions trends vs. other sectors, solid on ESG, less risk from Russia/Ukraine. But expensive valuations vs. the S&P 500, low quality profile, and weak ETF flows. Our analysts are neutral in their assessment but have gotten incrementally more constructive. |
| Utilities | Market Weight Strategy, RBC Capital Markets | Strong EPS/sales revisions trends vs. other sectors, high dividend yield appeal, strong on ESG, and strong ETF flows. But expensive valuations vs. the S&P 500, low quality profile, and neutral performance outlook from RBC's analyst teams. |

Large Cap Sectors / Performance Context

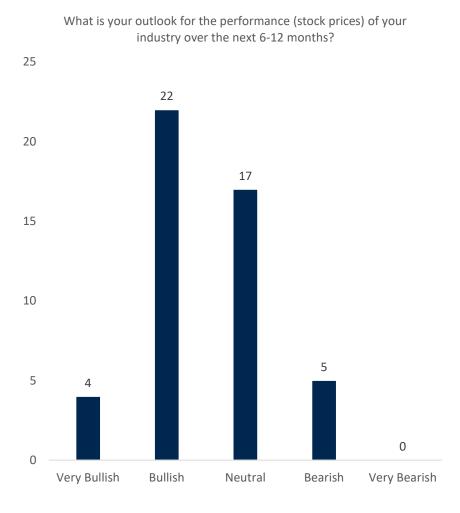
Energy Still in the Lead for the Year, but Relative Performance Has Stalled

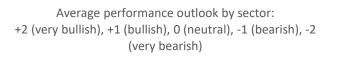
These charts show sector performance relative to the S&P 500 YTD – when the line is rising, the sector is outperforming and when the line in falling, the sector is underperforming

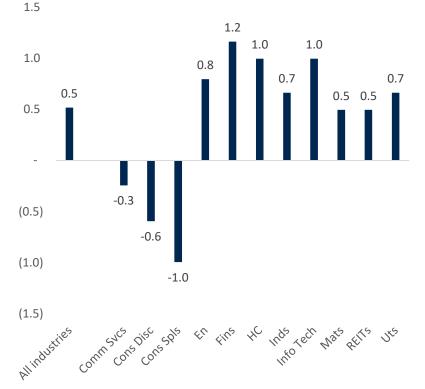


Large Cap Sectors / Performance Outlooks

Most RBC Analysts Have Been Constructive on Performance, Led by Fins, Health Care, & Tech



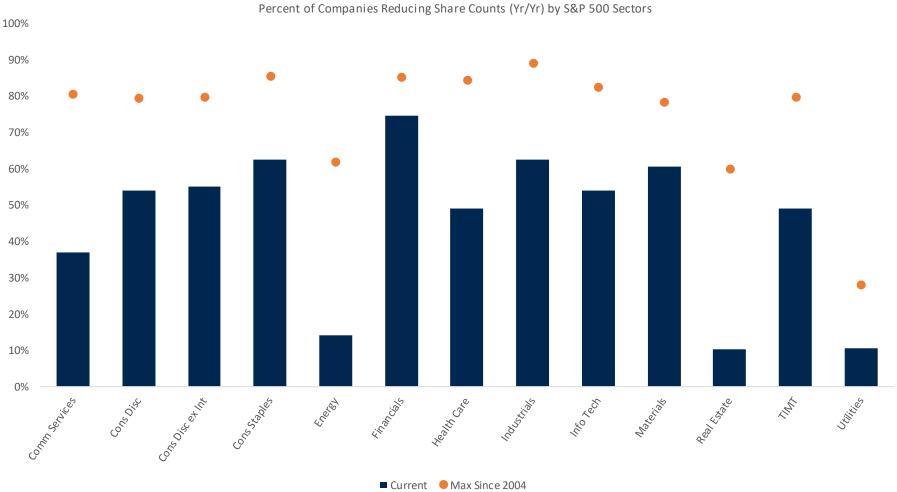




Source: RBC US Equity Strategy, RBC Capital Markets estimates; from the quarterly RBC equity analyst survey taken late March 2022

Large Cap Sectors / Deals & Cash Deployment

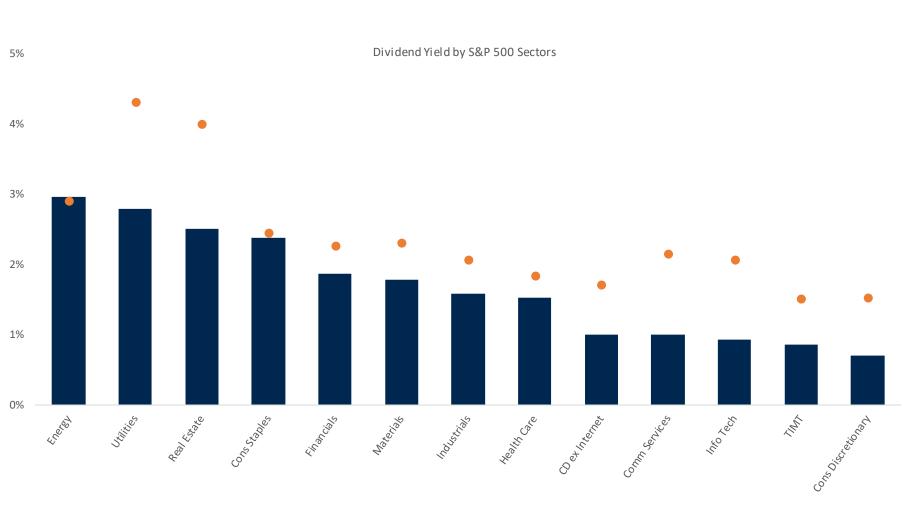
Financials Are the Biggest Participants in Share Buybacks



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi; as of 4Q21 (final)

Large Cap Sectors / Deals & Cash Deployment

Dividend Yield by Sector

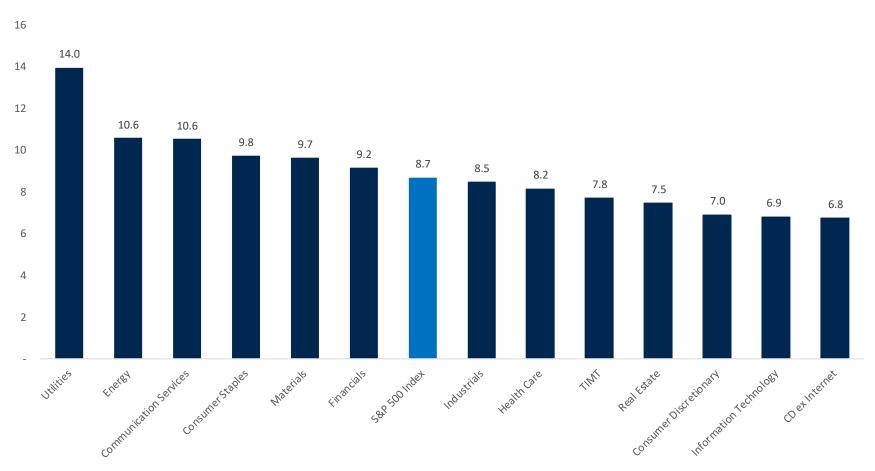


Current OLT Avg

Source: RBC US Equity Strategy, S&P Capital IQ/Clarifi; as of April 18, 2022

Large Cap Sectors / Deals & Cash Deployment

Utilities Has the Highest Debt Maturity by Sector, Consumer Discretionary Has the Lowest



S&P 500 Sectors Ranked by Avg Debt Maturity (# Years, Includes Parent & Subsidiary Debt)

Large Cap Sectors / Revisions & Earnings

Energy, Industrials, Cons Discretionary Boosting Full Year S&P 500 EPS Expectations for 2022

| 2022 Estimates | | | |
|-------------------------------|-----------------------|------------------|-------------------|
| | Revenue Growth | Op Margin | EPS Growth |
| Communication Services | 8.2% | 23.5 | 2.7% |
| Consumer Discretionary | 12.1% | 10.5 | 19.8% |
| Consumer Staples | 3.9% | 9.2 | 3.8% |
| Energy | 25.0% | 15.7 | 86.2% |
| Financials | 2.7% | NA | -13.1% |
| Real Estate | 13.9% | NA | 8.8% |
| Health Care | 7.1% | 13.5 | 6.7% |
| Industrials | 11.1% | 13.9 | 30.7% |
| Information Technology | 9.6% | 32.1 | 6.9% |
| Materials | 8.9% | 17.9 | 11.1% |
| Utilities | -1.4% | 20.7 | 4.3% |
| | | | |
| S&P 500 | 8.8% | 16.5 | 8.6% |

| 2023 Estimates | | | |
|-------------------------------|-----------------------|------------------|-------------------|
| | Revenue Growth | Op Margin | EPS Growth |
| Communication Services | 5.5% | 24.7 | 16.2% |
| Consumer Discretionary | 10.4% | 11.2 | 25.1% |
| Consumer Staples | 3.7% | 9.4 | 8.0% |
| Energy | -7.2% | 8.3 | -9.4% |
| Financials | 7.2% | NA | 15.0% |
| Real Estate | 6.8% | NA | 6.0% |
| Health Care | 3.1% | 12.1 | -1.8% |
| Industrials | 7.1% | 14.8 | 20.6% |
| Information Technology | 8.0% | 32.4 | 12.2% |
| Materials | -0.7% | 17.1 | -4.5% |
| Utilities | 2.7% | 20.2 | 7.7% |
| | | | |
| S&P 500 | 4.8% | 16.0 | 9.7% |
| | | | |

Source: RBC US Equity Strategy, Bloomberg; as of April 20, 2022; 2022-2023 are bottom-up sell-side consensus forecasts as tracked by Bloomberg

Large Cap Sectors / Revisions & Earnings

Tech & Comm Svcs Propping Up Margin Expectations on the Sell-Side

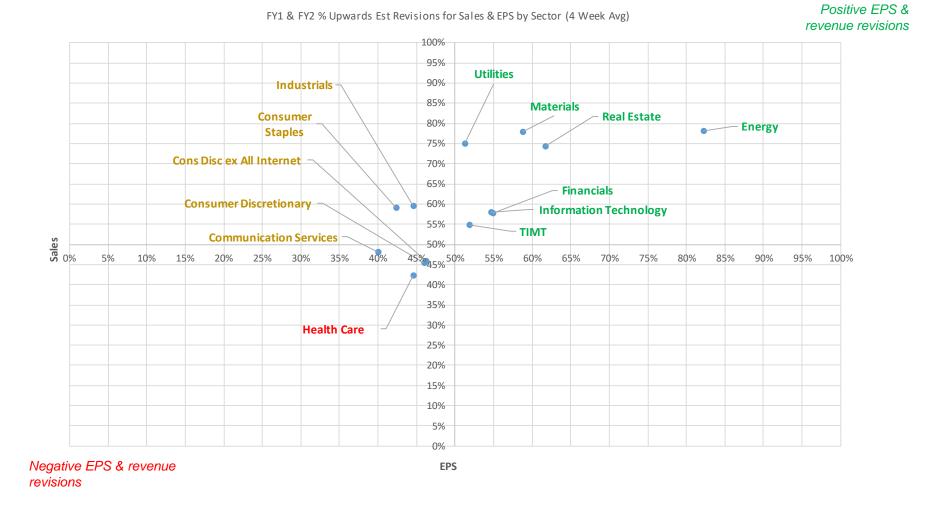
| | EPS Growth - T12M YoY% | | | | | | | | | | | | |
|-------------------------------|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| | 03/31/2021 | 06/30/2021 | 09/30/2021 | 12/31/2021 | 03/31/2022 | 06/30/2022 | 09/30/2022 | 12/31/2022 | 03/31/2023 | 06/30/2023 | 09/30/2023 | 12/31/2023 | Trend |
| Communication Services | 9.5% | 31.3% | 39.1% | 39.9% | 24.0% | 9.0% | 3.5% | 2.7% | 7.6% | 12.4% | 14.8% | 16.2% | \sim |
| Consumer Discretionary | -6.0% | 43.6% | 42.9% | 53.9% | 21.9% | 2.3% | 13.1% | 19.8% | 33.8% | 37.9% | 31.6% | 25.1% | \sim |
| Consumer Staples | 4.7% | 11.2% | 10.5% | 10.6% | 8.2% | 3.8% | 3.6% | 3.8% | 5.2% | 6.9% | 7.9% | 8.0% | \sim |
| Energy | -105.6% | 3.1% | 458.9% | -2500.0% | -3793.7% | 432.3% | 188.2% | 86.2% | 43.0% | 11.0% | -3.6% | -9.4% | \sim |
| Financials | 11.7% | 59.2% | 74.6% | 69.1% | 26.4% | -3.2% | -10.5% | -13.1% | -3.8% | 6.0% | 11.0% | 15.0% | \sim |
| Real Estate | -4.6% | 4.3% | 10.6% | 14.2% | 16.8% | 11.8% | 9.7% | 8.8% | 6.6% | 7.5% | 6.1% | 6.0% | \sim |
| Health Care | 11.9% | 17.1% | 20.4% | 23.8% | 18.6% | 14.7% | 10.1% | 6.7% | 4.7% | 2.0% | 0.4% | -1.8% | \sim |
| Industrials | -48.7% | -6.1% | 34.1% | 73.7% | 90.2% | 47.1% | 36.2% | 30.7% | 31.6% | 30.1% | 25.2% | 20.6% | \sim |
| Information Technology | 18.5% | 28.9% | 37.1% | 36.9% | 27.8% | 18.0% | 9.7% | 6.9% | 8.1% | 10.3% | 12.3% | 12.2% | \sim |
| Materials | 11.3% | 53.2% | 79.5% | 87.4% | 73.6% | 42.7% | 23.5% | 11.1% | 3.1% | -1.9% | -3.9% | -4.5% | \sim |
| Utilities | 0.1% | 0.1% | -0.2% | 2.1% | 4.7% | 3.0% | 3.9% | 4.3% | 2.9% | 5.0% | 6.3% | 7.7% | ~~~ |
| S&P 500 | -0.4% | 25.9% | 38.8% | 46.3% | 34.1% | 18.1% | 12.2% | 8.6% | 10.2% | 11.0% | 10.5% | 9.7% | \sim |

| | Revenue Growth - T12M YoY% | | | | | | | | | | | | |
|-------------------------------|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|
| | 03/31/2021 | 06/30/2021 | 09/30/2021 | 12/31/2021 | 03/31/2022 | 06/30/2022 | 09/30/2022 | 12/31/2022 | 03/31/2023 | 06/30/2023 | 09/30/2023 | 12/31/2023 | Trend |
| Communication Services | 5.8% | 12.7% | 15.4% | 16.4% | 15.0% | 11.0% | 8.9% | 8.2% | 7.2% | 6.9% | 6.4% | 5.5% | \sim |
| Consumer Discretionary | 3.2% | 15.4% | 18.9% | 20.0% | 16.5% | 10.9% | 11.4% | 12.1% | 13.7% | 13.8% | 12.0% | 10.4% | \sim |
| Consumer Staples | 3.3% | 5.7% | 7.2% | 7.5% | 7.4% | 5.8% | 4.6% | 3.9% | 3.7% | 3.8% | 3.9% | 3.7% | \sim |
| Energy | -32.8% | -6.9% | 18.1% | 56.4% | 72.4% | 56.2% | 43.9% | 25.0% | 12.8% | 2.3% | -4.4% | -7.2% | \sim |
| Financials | 1.5% | 4.7% | 7.8% | 9.5% | 7.5% | 5.2% | 3.6% | 2.7% | 4.2% | 5.8% | 6.6% | 7.2% | \sim |
| Real Estate | -3.7% | 1.6% | 6.2% | 11.6% | 16.4% | 15.8% | 15.7% | 13.9% | 10.9% | 9.4% | 7.6% | 6.8% | \sim |
| Health Care | 7.9% | 12.5% | 14.0% | 14.5% | 15.2% | 12.3% | 10.0% | 7.1% | 4.5% | 3.1% | 2.8% | 3.1% | \sim |
| Industrials | -11.8% | 0.7% | 8.9% | 14.9% | 16.9% | 12.5% | 11.6% | 11.1% | 10.8% | 9.9% | 8.2% | 7.1% | \sim |
| Information Technology | 11.1% | 14.7% | 18.2% | 18.3% | 15.5% | 12.6% | 10.5% | 9.6% | 9.2% | 9.0% | 8.6% | 8.0% | \sim |
| Materials | -1.9% | 11.1% | 20.9% | 27.1% | 28.7% | 21.6% | 15.0% | 8.9% | 4.5% | 1.3% | -0.4% | -0.7% | \sim |
| Utilities | 1.1% | 5.1% | 8.3% | 14.7% | 9.1% | 7.0% | 6.0% | -1.4% | 0.2% | 0.5% | -0.1% | 2.7% | \sim |
| | | | | | | | | | | | | | |
| S&P 500 | 0.0% | 8.3% | 13.2% | 17.0% | 16.9% | 13.2% | 11.2% | 8.8% | 7.6% | 6.5% | 5.3% | 4.8% | \sim |

| | Operating Margins - Quarterly | | | | | | | | | | | | |
|-------------------------------|-------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------|
| | 03/31/2021 | 06/30/2021 | 09/30/2021 | 12/31/2021 | 03/31/2022 | 06/30/2022 | 09/30/2022 | 12/31/2022 | 03/31/2023 | 06/30/2023 | 09/30/2023 | 12/31/2023 | Trend |
| Communication Services | 24.69 | 25.20 | 23.83 | 23.26 | 22.38 | 23.35 | 23.81 | 23.53 | 24.72 | 25.16 | 25.26 | 24.67 | \sim |
| Consumer Discretionary | 11.00 | 10.96 | 10.85 | 8.24 | 8.95 | 10.98 | 12.01 | 10.47 | 11.03 | 12.30 | 12.84 | 11.24 | ~~~ |
| Consumer Staples | 9.29 | 9.71 | 10.81 | 8.40 | 9.05 | 9.27 | 9.46 | 9.20 | 9.17 | 9.61 | 9.70 | 9.44 | ~~~ |
| Energy | 6.79 | 8.84 | 11.80 | 11.88 | 15.52 | 17.56 | 16.83 | 15.72 | 11.03 | 11.37 | 11.88 | 8.25 | \sim |
| Health Care | 14.58 | 13.93 | 14.44 | 13.17 | 14.17 | 14.11 | 14.31 | 13.49 | 13.18 | 13.17 | 13.45 | 12.06 | $\sim\sim$ |
| Industrials | 9.89 | 12.90 | 12.92 | 11.58 | 11.22 | 13.86 | 14.40 | 13.95 | 13.81 | 15.47 | 15.52 | 14.77 | $\sim \sim$ |
| Information Technology | 29.98 | 30.39 | 30.18 | 32.05 | 30.28 | 30.17 | 31.10 | 32.06 | 31.06 | 30.99 | 31.85 | 32.39 | $\sim\sim$ |
| Materials | 16.20 | 20.43 | 18.31 | 17.65 | 18.20 | 19.90 | 18.58 | 17.86 | 17.49 | 18.90 | 17.82 | 17.12 | $\sim\sim\sim$ |
| Utilities | 19.37 | 15.05 | 21.14 | 13.16 | 23.18 | 21.91 | 25.14 | 20.74 | 22.74 | 21.56 | 24.86 | 20.25 | ~~~~~ |
| | | | | | | | | | | | | | |
| S&P 500 | 15.36 | 15.78 | 16.18 | 15.03 | 15.77 | 16.53 | 16.96 | 16.50 | 16.01 | 16.42 | 16.82 | 16.01 | ~~~~ |
| | | | | | | | | | | | | | |

Source: RBC US Equity Strategy, Bloomberg; as of April 20, 2022; 2022-2023 are bottom-up sell-side consensus forecasts as tracked by Bloomberg

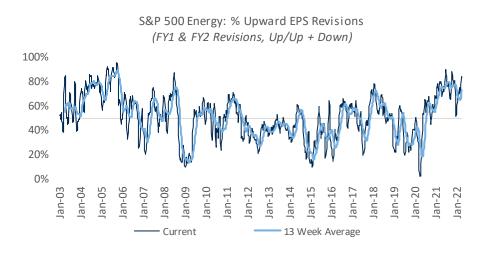
Energy & Materials, Plus REITs, Seeing the Strongest Revisions Lately; HC Remains Weakest

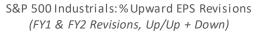


For REITs, FFO/share revisions are used instead of EPS revisions. Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, CIQ estimates; as of April 15, 2022

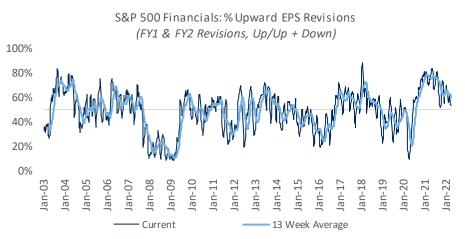
Large Cap Sectors / Revisions & Earnings

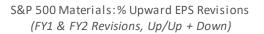
Within Cyclicals, Commodity Sectors Are Strengthening, Financials & Industrials Are Weakening









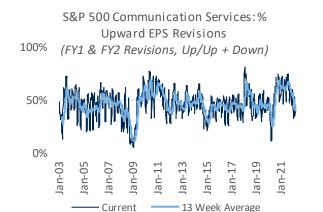


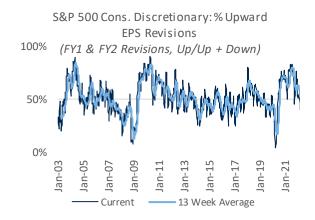


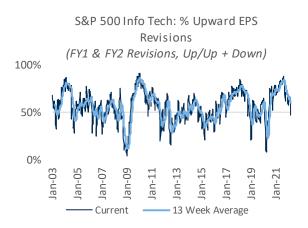
For REITs, FFO/share revisions are used instead of EPS revisions. Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, CIQ estimates; as of April 15, 2022

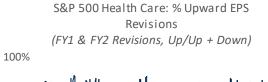
Large Cap Sectors / Revisions & Earnings

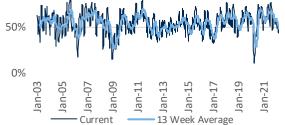
Among Secular Growth & Defensives, Communication Svcs Weakest on EPS Revisions

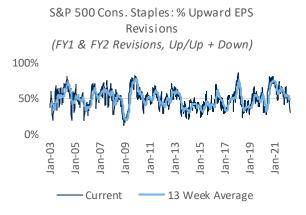


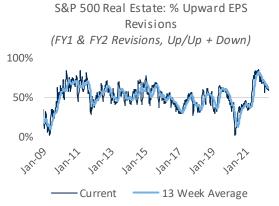












For REITs, FFO/share revisions are used instead of EPS revisions. Source: RBC US Equity Strategy, S&P Capital IQ/ClariFI, CIQ estimates; as of April 15, 2022

Large Cap Sectors / Valuations

Defensives Expensive, Commodities & Fins Attractive, Growth Sectors Attractive on Relative P/E

2.5 2.0 1.5 1.0 0.5 (0.5) (1.0)Cons. Discretionand extintemet communication services Information Technology Consumer staples Financials HealthCare Materials Realtstate Utilities Enerey TIM

S&P 500 Sectors Absolute FY2 P/E (Median, Ex Neg, Z Score Since 2004)

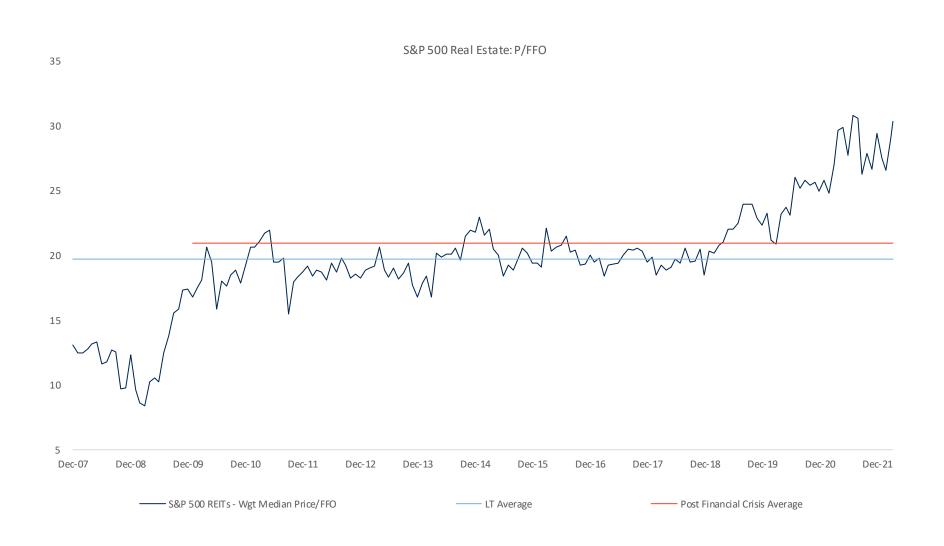
2.0 1.5 1.0 0.5 (0.5)(1.0)(1.5)(2.0)cons. Discletionarres. Internet (2.5) communication services Consumer staples Information Technology Realtstate Financials HealthCare Utilities Materials Enerey TINT

S&P 500 Sectors Relative FY2 P/E

(Median, Ex Neg, Z Score Since 2004)

Large Cap Sectors / Valuations

REITs Remain Highly Expensive Relative to History



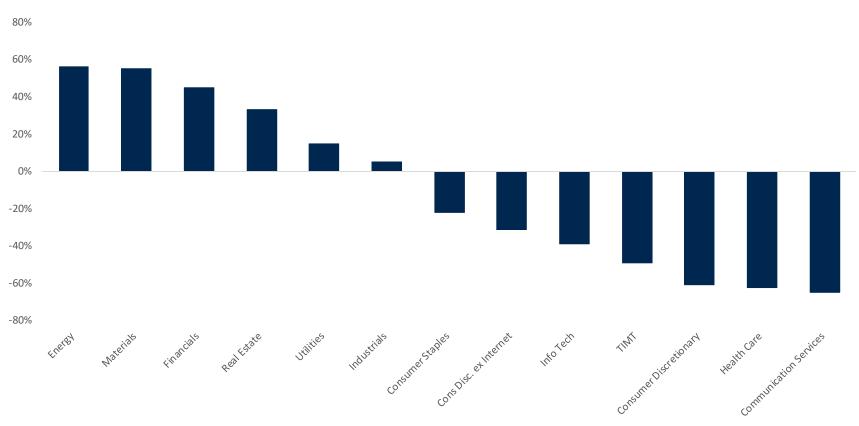
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFl, Compustat, CIQ estimates, IBES estimates; as of April 14, 2022

Large Cap Sectors / Investor Sentiment & Positioning

TIMT Most in Favor, Staples Least Favored



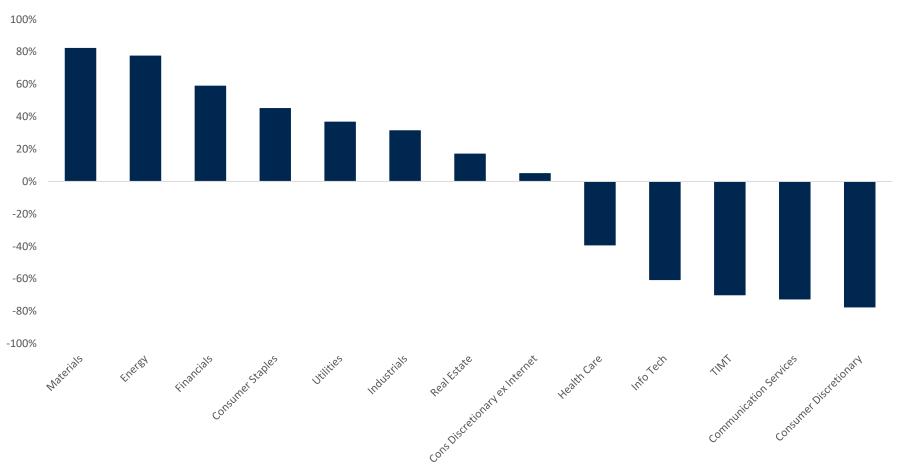
Commodities & REITs Tend to Lead When Inflation Expectations Are Rising, Growth Sectors Lag



Correlations of S&P 500 Sector Performance (Rel to S&P 500) With Next 5-Years Inflation Expectations Since 2004

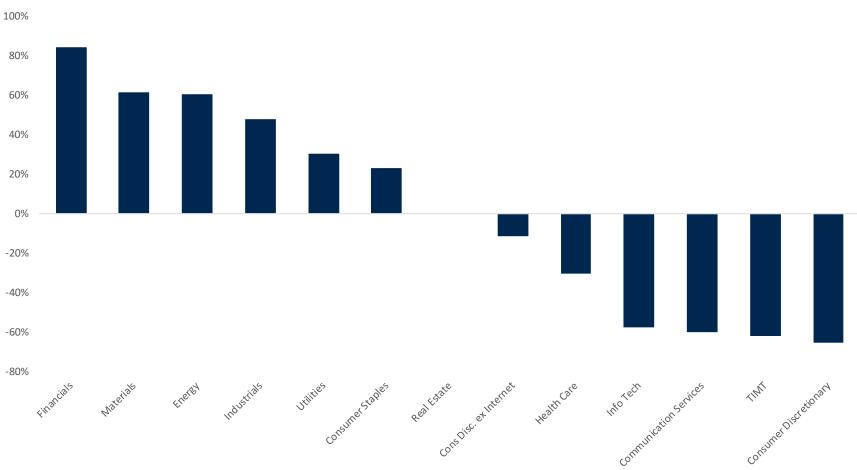
Source: RBC US Equity Strategy, Haver, S&P Capital IQ/ClariFi; As of March 2022.

Commodity Sectors Tend To Outperform When the Yield Curve Steepens, Growth Sectors Lag



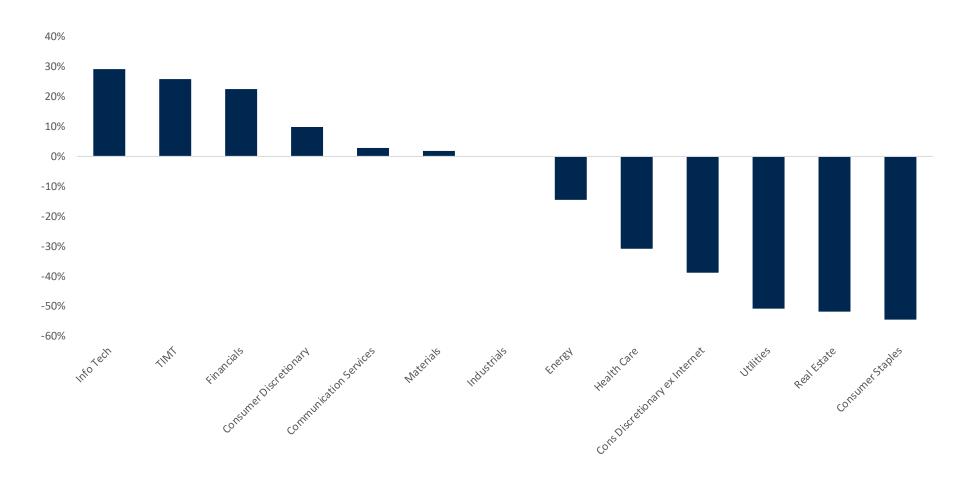
Sector Relative Performance Correlation 3s10s Yield Curve Since 2009

Cyclicals Trend Closely With Shifts in 10-Year Yields, Growth Sectors Move Inversely



Sector Relative Performance Correlation to US 10Yr Yield Since 2009

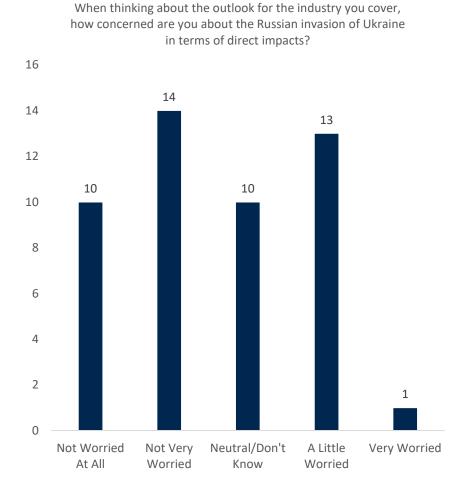
Classic Defensives, Consumer Discretionary, Most Resilient in an ISM Mfg Downtrend

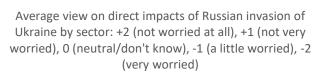


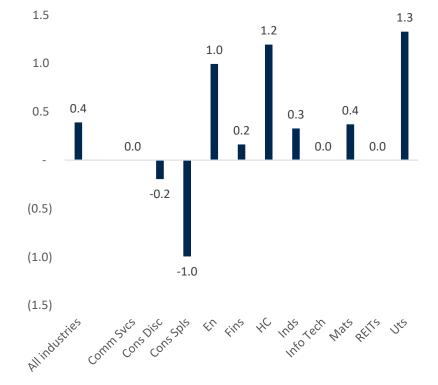
Correlation Between S&P 500 Sector Performance (Relative to the S&P 500) & ISM Mfg Since 2010

Source: RBC US Equity Strategy, Bloomberg; as of March 2022

Most of Our Analysts Not Concerned About Direct Russia/Ukraine Impacts





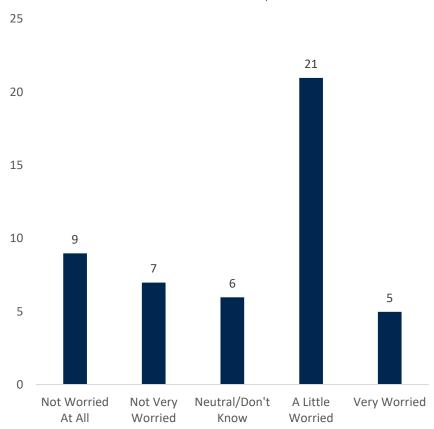


Source: RBC US Equity Strategy, RBC Capital Markets estimates; from the late-March 2022 RBC equity analyst survey; analysts were asked to assume the conflict continues for quite some time and is not resolved soon

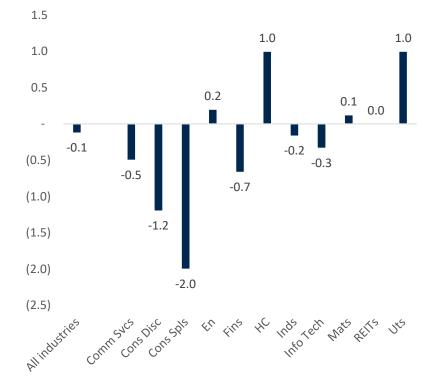
Large Cap Sectors / Policy

Most of Our Analysts Have Been Worried About Indirect Russia/Ukraine Impacts

When thinking about the outlook for the industry you cover, how concerned are you about the Russian invasion of Ukraine in terms of indirect impacts?



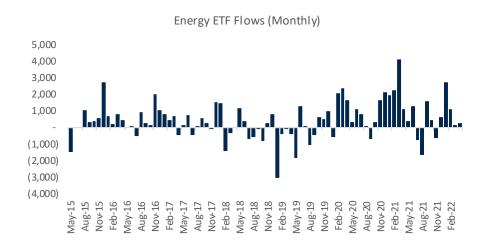
Average view on indirect impacts of Russian invasion of Ukraine by sector: +2 (not worried at all), +1 (not very worried), 0 (neutral/don't know), -1 (a little worried), -2 (very worried)

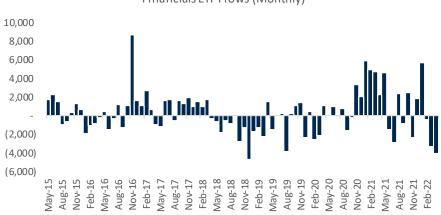


Source: RBC US Equity Strategy, RBC Capital Markets estimates; from the late-March 2022 RBC equity analyst survey; analysts were asked to assume the conflict continues for quite some time and is not resolved soon

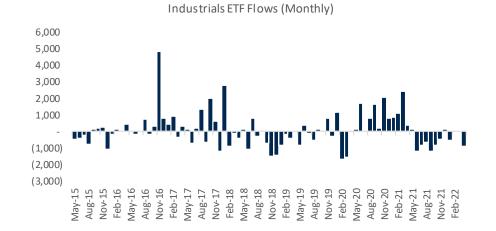
Large Cap Sectors / Retail Money Flows

Within Commodities/Cyclicals, Materials Flows Strongest Lately While Fins & Industrials Weaker

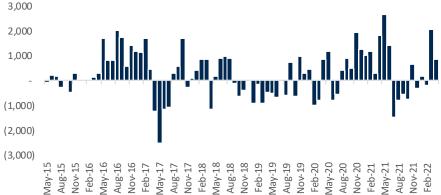




Financials ETF Flows (Monthly)



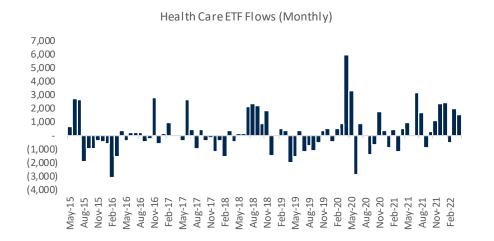


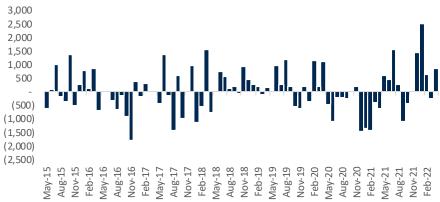


Source: RBC US Equity Strategy, Bloomberg; monthly with preliminary April 2022 data point as of April 19, 2022

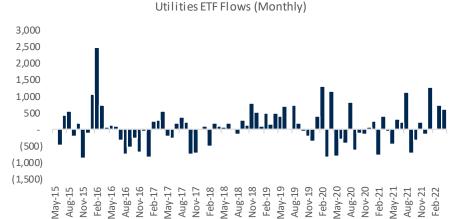
Large Cap Sectors / Retail Money Flows

Within Defensives, HC, Staples & Utilities Flows Strong, REITs Weaker





Cons. Staples ETF Flows (Monthly)





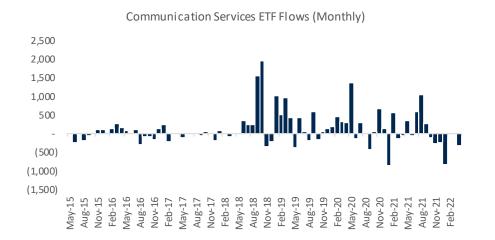


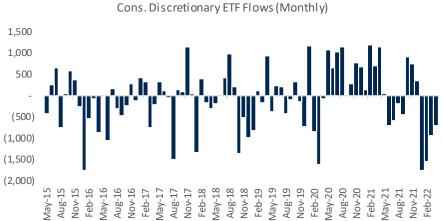
Real Estate ETF Flows (Monthly)

Source: RBC US Equity Strategy, Bloomberg; monthly with preliminary April 2022 data point as of April 19, 2022

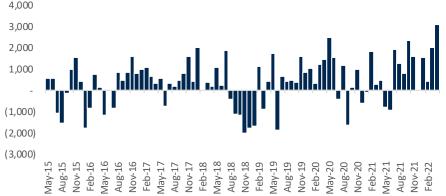
Large Cap Sectors / Retail Money Flows

Within Growth, Tech Flows Still Strong but Comm & Consumer Discretionary Have Been Weak





Info Tech ETF Flows (Monthly)



Source: RBC US Equity Strategy, Bloomberg; monthly with preliminary April 2022 data point as of April 19, 2022

Large Cap Industries & Factors

Russell 1000 GICS Level 3 Industries & Select Factors

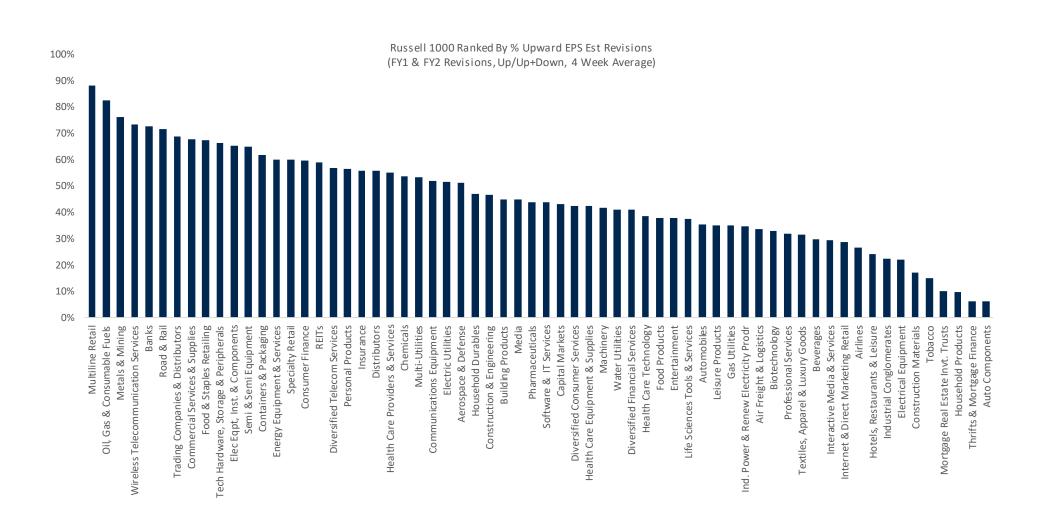


Energy Industries Have Dominated Returns in 2022, While Consumer Groups Have Lagged

| | YTD Relative | | YTD Relative | | YTD Relative |
|-------------------------------|--------------|--------------------------------------|--------------|--------------------------------------|--------------|
| Industry | Performance | Industry | Performance | Industry | Performance |
| Energy Equipment & Svcs | 69.2% | Diversified Consumer Svcs | 12.0% | Capital Markets | -5.3% |
| Oil, Gas & Consumable Fuels | 56.5% | Gas Utilities | 11.3% | Thrifts & Mortgage Finance | -7.5% |
| Metals & Mining | 45.0% | Containers & Packaging | 6.6% | HC Technology | -7.7% |
| Wireless Telecomm Svcs | 24.6% | Consumer Finance | 6.1% | Paper & Forest Products | -8.1% |
| Multi-Utilities | 24.4% | Household Products | 4.4% | Air Freight & Logistics | -8.1% |
| Diversified Financial Svcs | 22.9% | Media | 3.1% | Electrical Equipment | -9.6% |
| Aerospace & Defense | 22.6% | REITs | 2.8% | Communications Equip | -9.6% |
| Tobacco | 21.8% | Machinery | 2.1% | Software & IT Svcs | -9.7% |
| Marine | 21.8% | Chemicals | 1.6% | Textiles, Apparel & Luxury Goods | -9.8% |
| Food Products | 19.2% | Tech Hardware, Storage & Peripherals | 1.1% | Construction Materials | -10.1% |
| Insurance | 17.8% | Mortgage REITs | 1.1% | Life Sciences Tools & Svcs | -10.9% |
| Multiline Retail | 17.2% | Industrial Conglomerates | 0.0% | Distributors | -11.1% |
| Food & Staples Retailing | 16.0% | Commercial Svcs & Supplies | -0.4% | Electronic Equip, Instruments & Comp | -11.4% |
| Airlines | 15.4% | Trading Companies & Distributors | -0.7% | Leisure Products | -12.0% |
| HC Providers & Svcs | 15.4% | HC Equipment & Supplies | -1.5% | Specialty Retail | -12.7% |
| Diversified Telecom Svcs | 15.0% | Professional Svcs | -1.6% | Interactive Media & Svcs | -13.5% |
| Biotechnology | 13.5% | Water Utilities | -2.6% | Semis & Semis Equipment | -15.9% |
| Electric Utilities | 13.4% | Internet & Direct Mktg Retail | -2.8% | Entertainment | -17.1% |
| Ind. Power and Renewable Elec | 12.8% | Hotels, Restaurants & Leisure | -2.9% | Building Products | -19.3% |
| Construction & Engineering | 12.7% | Automobiles | -3.1% | Household Durables | -21.8% |
| Pharmaceuticals | 12.2% | Road & Rail | -4.0% | Personal Products | -22.4% |
| Beverages | 12.1% | Banks | -5.3% | Auto Components | -23.0% |

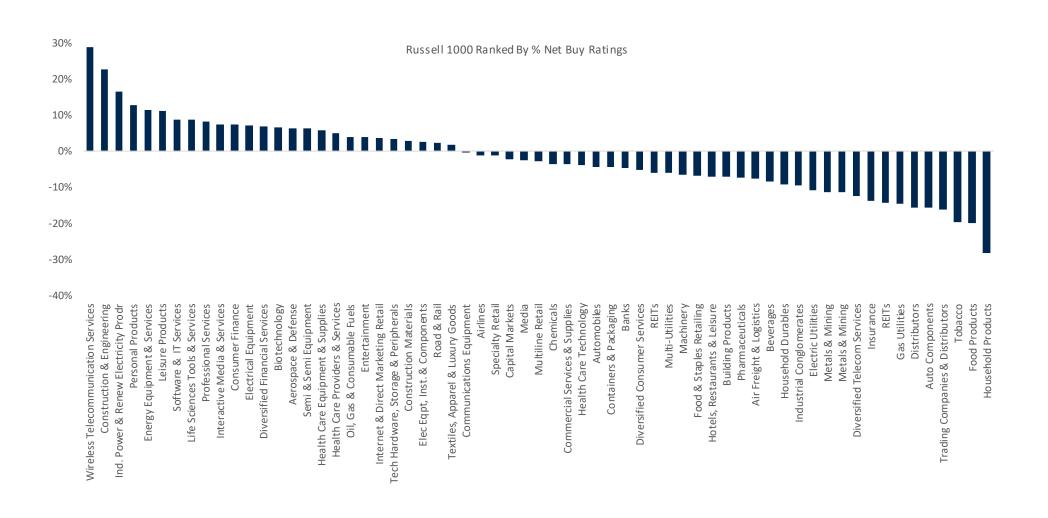
Large Cap Industries / Revisions & Earnings

Commodity Groups Have Led on EPS Revisions Recently, While Consumer Groups Have Lagged



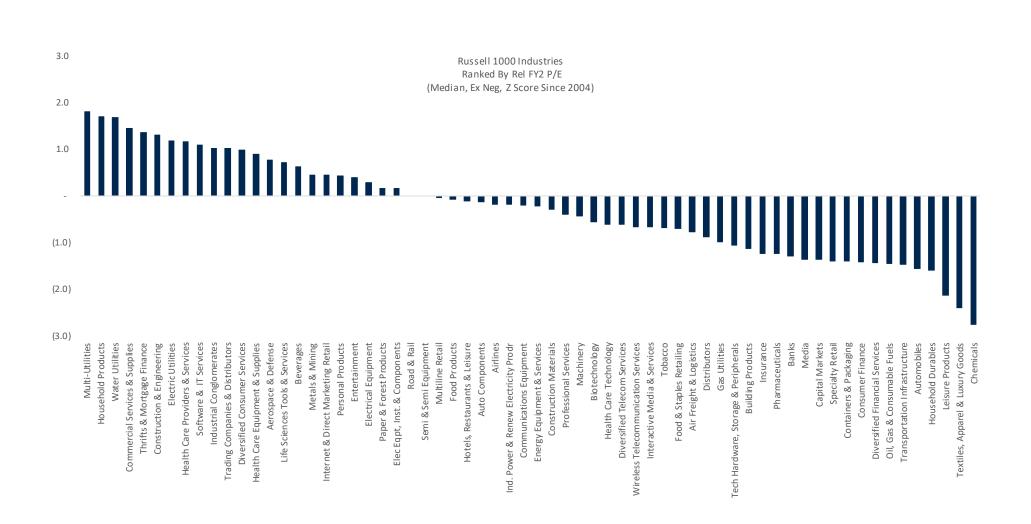
Large Cap Industries / Investor Sentiment & Positioning

Consumer Groups Dominate the List of Least Favored Groups



Large Cap Industries / Valuation

Utilities Groups Among the Most Expensive, Commodities & Consumer Among the Cheapest



Large Cap Performance / Factors

High Quality Starting to Work Again on Most Metrics



Large Cap Performance / Valuations

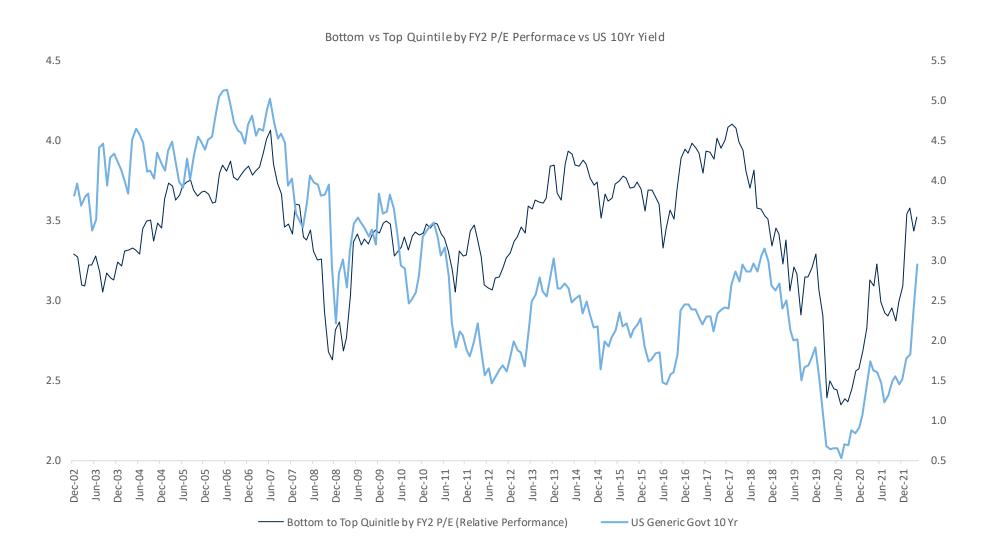
P/Es of the Priciest Stocks Near Pre-Pandemic Levels vs. the Cheapest Stocks



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, CIQ Estimates. Bloomberg, Large Cap Universe is the Russell 1000 Index, Quintiles are ranked based on FY2 P/E ex Neg EPS, Median FY2 P/E is used to represent every quintile. As of April 15, 2022

Large Cap Performance / Valuations

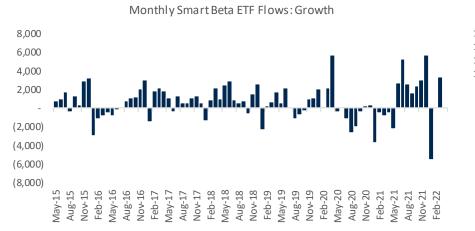
Cheapest Stocks Tend To Outperform Most Expensive Stocks When 10-Year Yields Rise

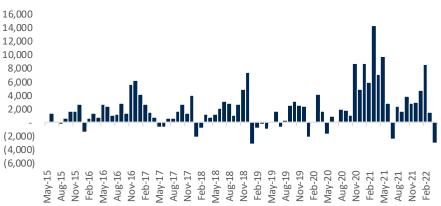


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, CIQ estimates, Bloomberg. Large Cap Universe is the Russell 1000 Index. Quintiles are ranked based on FY2 P/E ex Neg EPS. Median FY2 P/E is used to represent every quintile. As of April 18, 2022

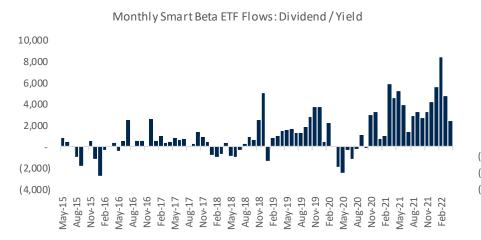
Large Cap Performance / ETF Flows

Growth Flows Have Bounced Back, While Value & Size Flows Have Faded, Yield Remains Positive





Monthly Smart Beta ETF Flows: Value



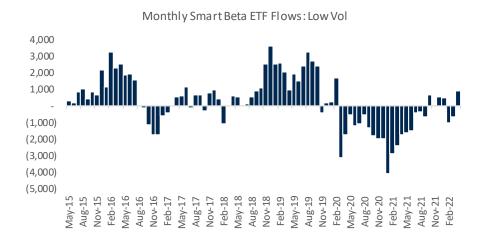


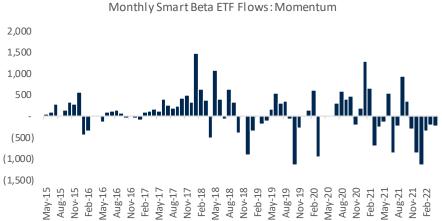


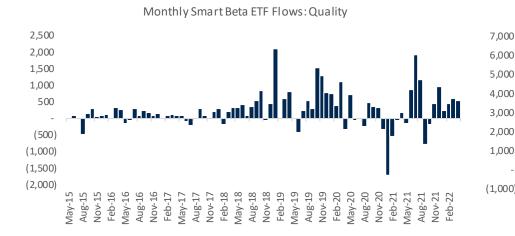
Large Capit enormance / LTF FIO

Large Cap Performance / ETF Flows

Low Vol & Quality Are Seeing Inflows, Momentum Outflows Persist, ESG Inflows Have Faded









Monthly Smart Beta ETF Flows: ESG



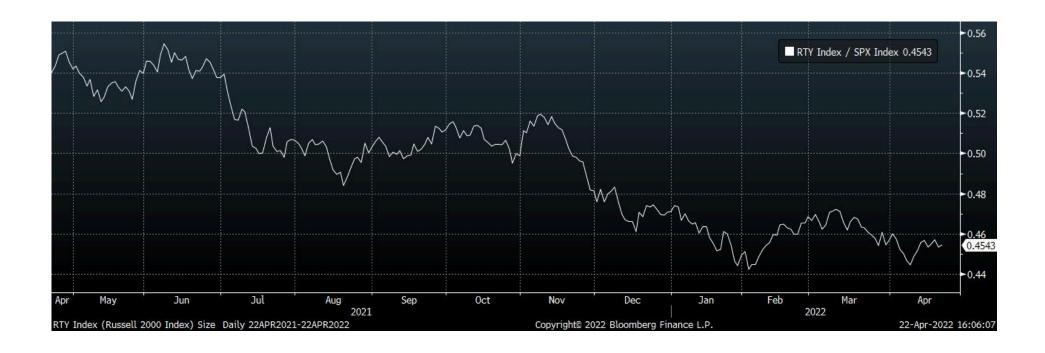
Small Cap

The Russell 2000 & Small Cap vs. Large Cap



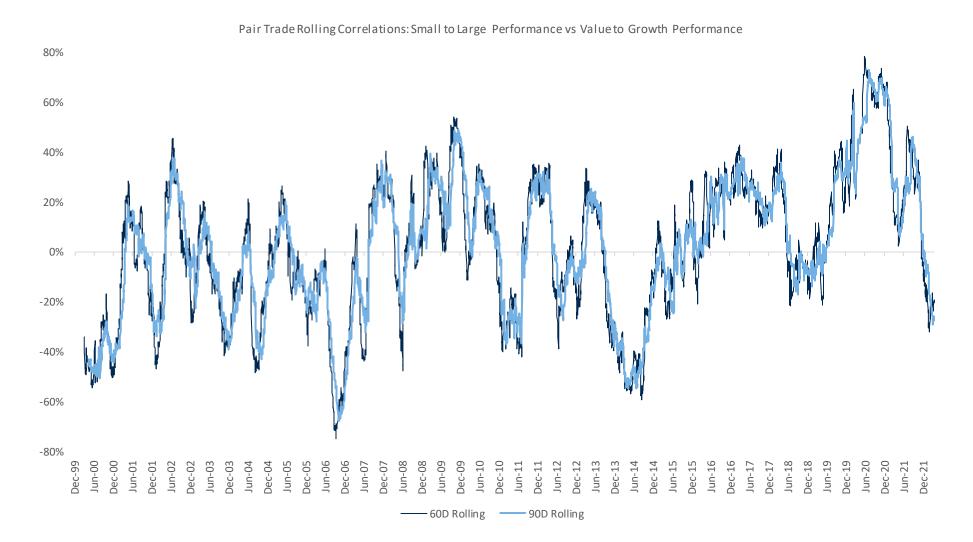
Small Cap / Performance Context

Small Caps Are Trying to Stabilize Relative to Large Cap



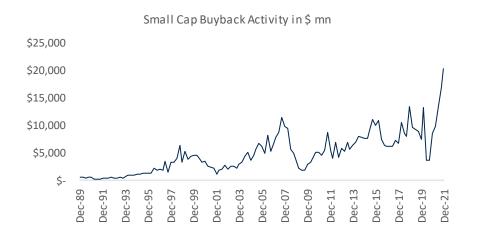
Small Cap / Performance Context

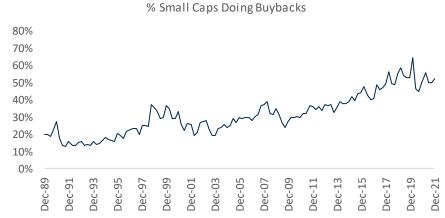
The Size Trade Has Decoupled From the Broader Reflation Trade

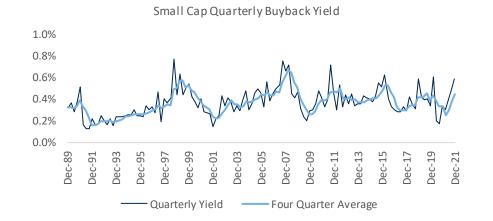


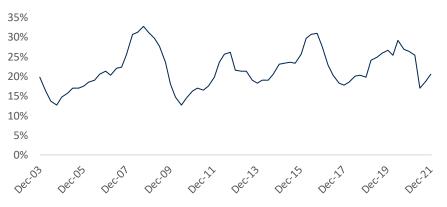
Small Cap / Deals and Cash Deployment

Buyback Activity Has Started to Bounce Back







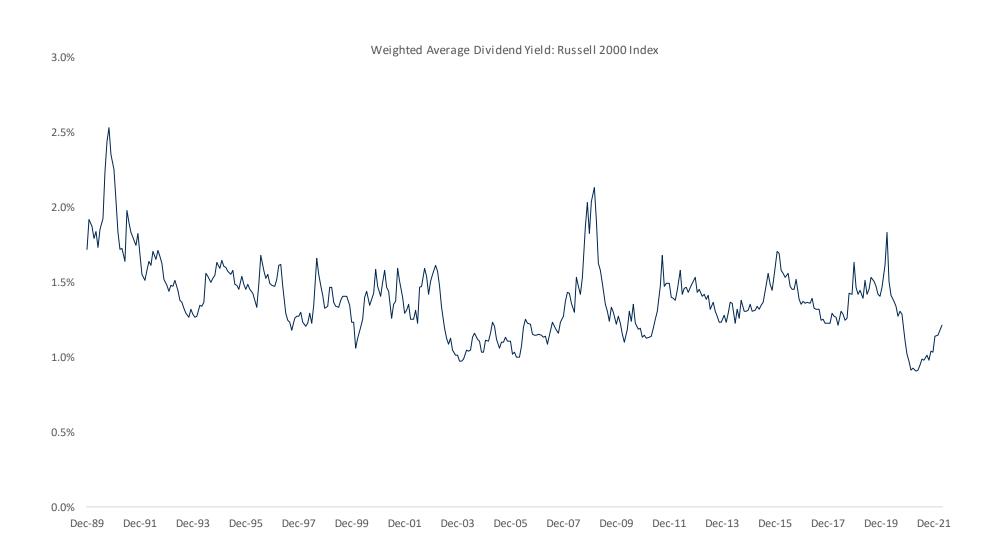


% Small Cap Companies Reducing Share Counts Yr/Yr

Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, Russell, Compustat; as of 4Q21

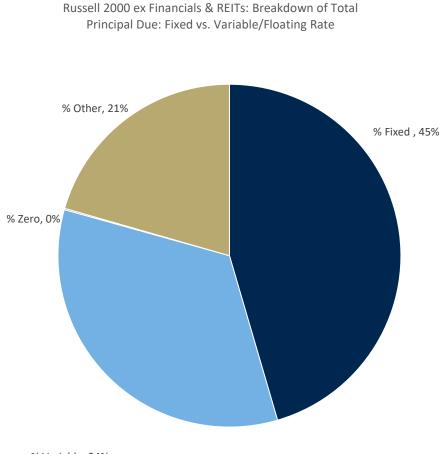
Small Cap / Deals and Cash Deployment

Dividends Are on the Mend

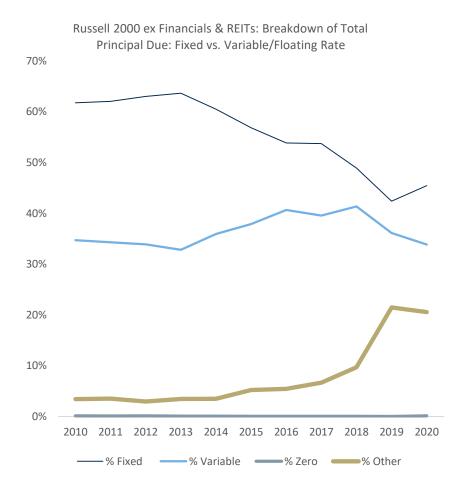


Small Cap / Deals and Cash Deployment

Half of Small Cap Debt Is Fixed Rate

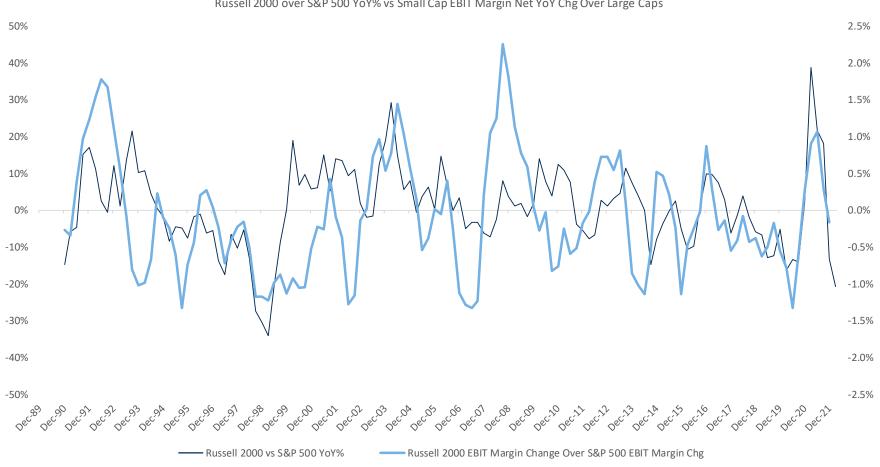


% Variable, 34%



Small Cap / Revisions & Earnings

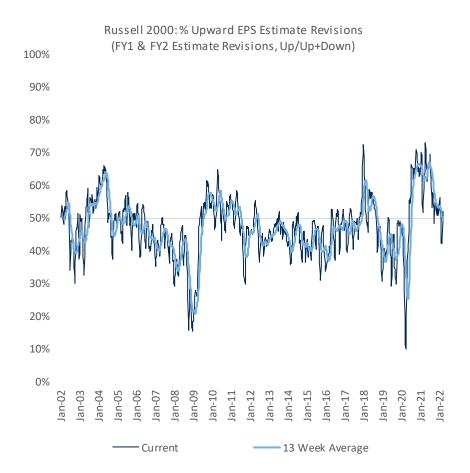
Small Caps Have Underperformed Large Caps As Margins Have Lagged Behind

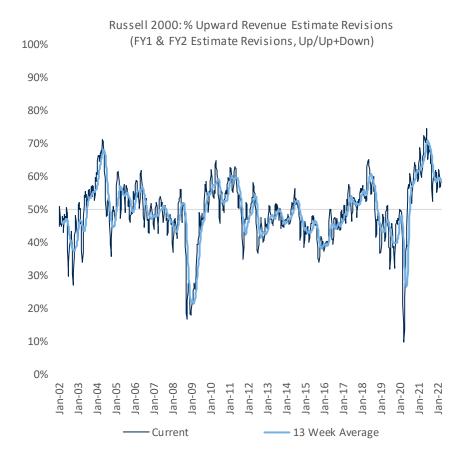


Russell 2000 over S&P 500 YoY% vs Small Cap EBIT Margin Net YoY Chg Over Large Caps

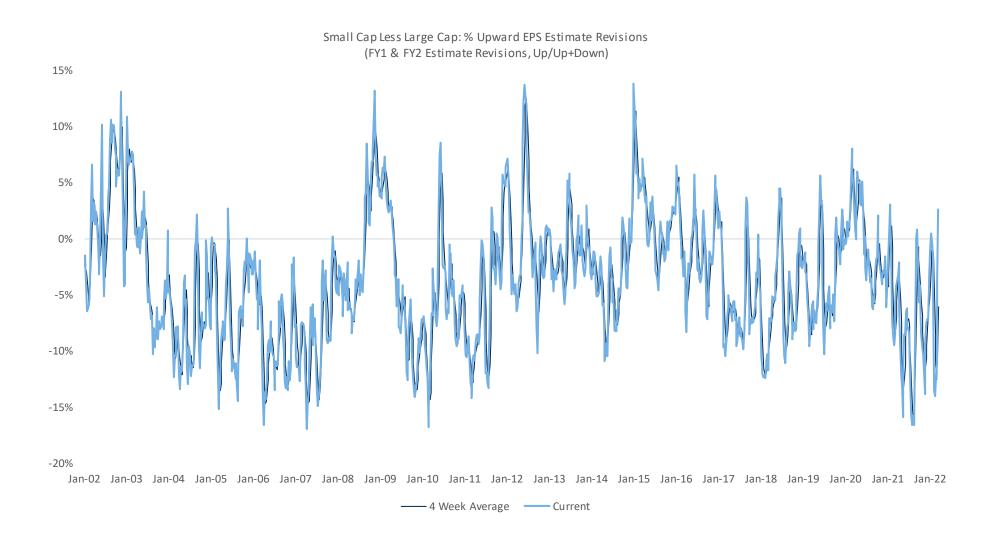
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, Russell, Bloomberg, BLS. Performance as of 1Q22, margins as of 4Q21

EPS Revisions Have Flipped Negative in Small Cap, But Sales Revisions Have Stayed Positive

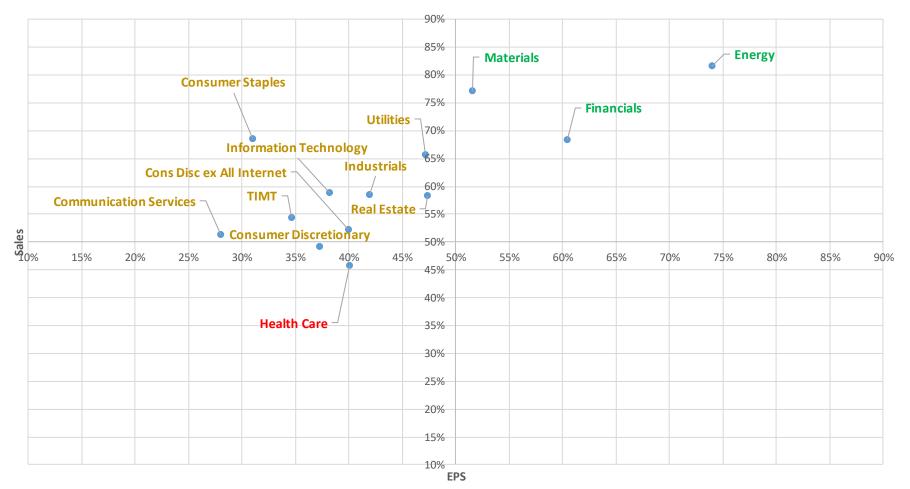




EPS Revisions Trends Have Favored Large Caps over Small Caps



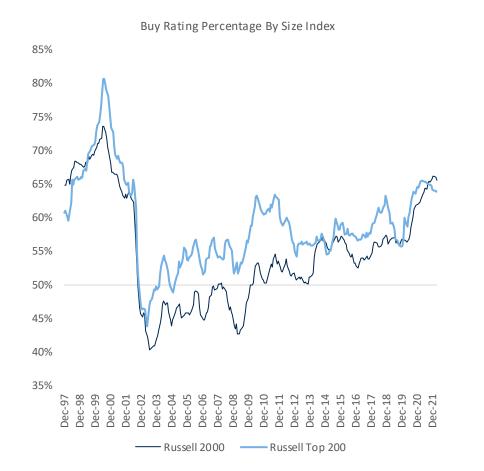
Most Small Cap Sectors Seeing Negative EPS Revisions but Positive Sales Revisions

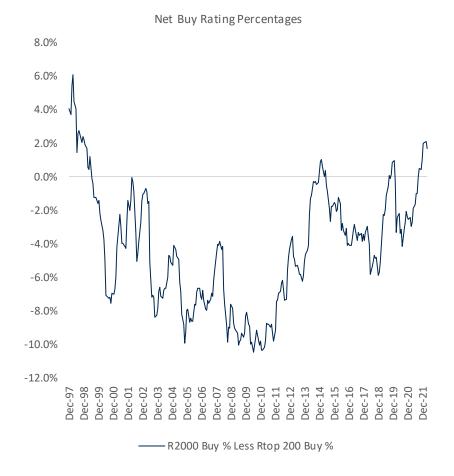


Small Cap Sectors - FY1 & FY2 % Upwards Est Revisions for Sales & EPS by Sector (4 Week Avg)

Small Cap / Investor Sentiment & Positioning

Small Caps Are Now in Favor on the Sell-Side, As Mega Cap Ratings Have Slipped

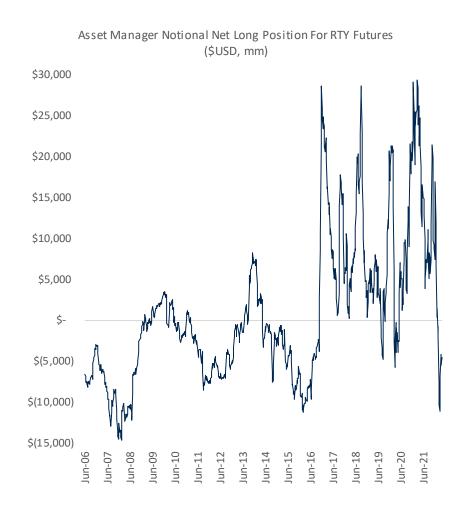


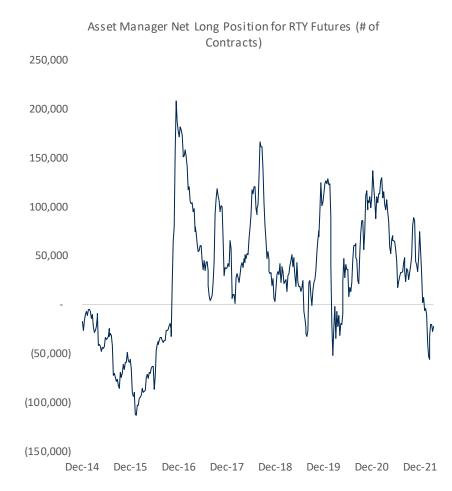


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, Russell, CIQ estimates. As of April 14, 2022.

Small Cap / Investor Sentiment & Positioning

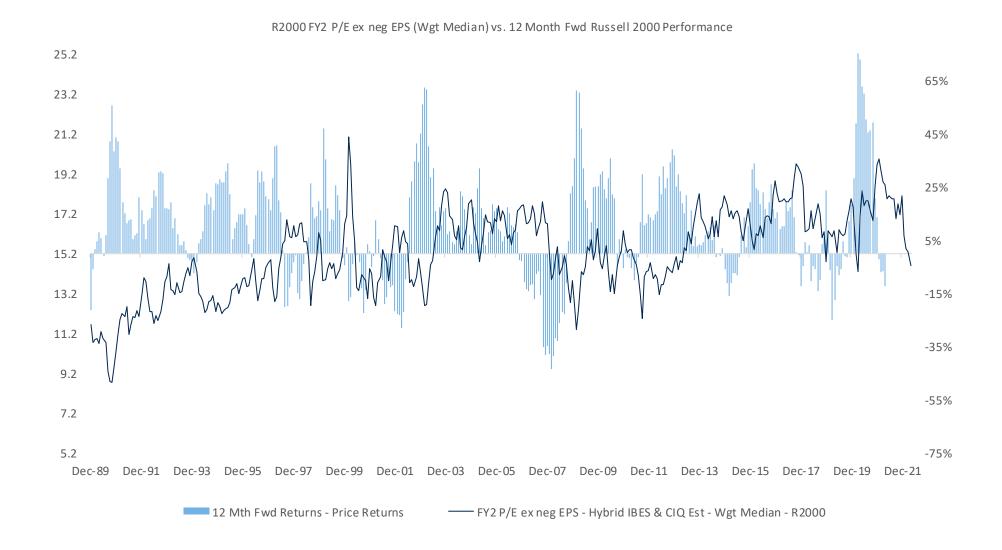
Positioning in Small Cap Futures Has Bounced After Hitting/Surpassing 2016 & 2020 Lows





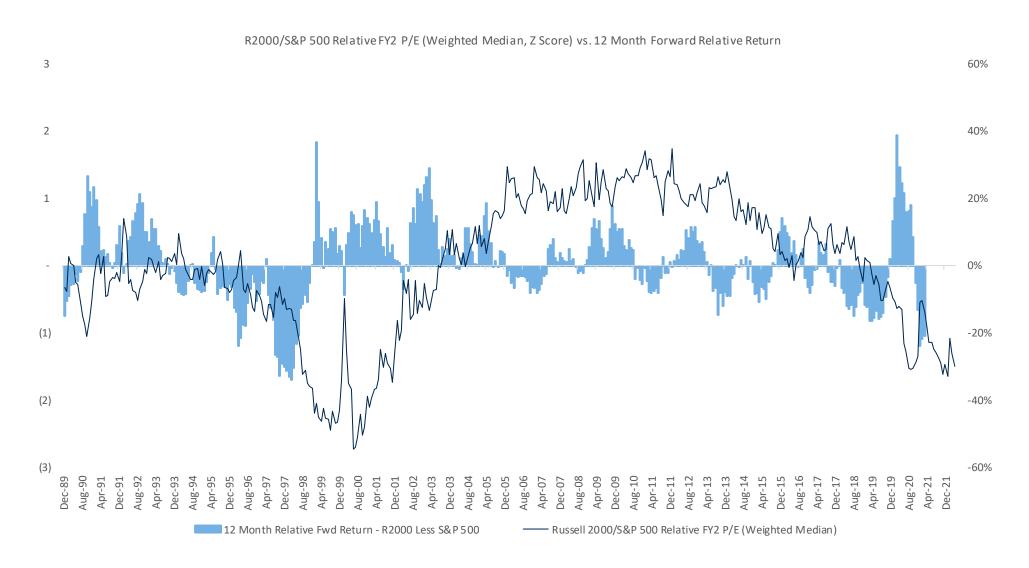
Asset Manager/Institutional: These are institutional investors, including pension funds, endowments, insurance companies, mutual funds, and portfolio/investment managers whose clients are predominantly institutional. Source: RBC US Equity Strategy, RBC Futures Desk, CFTC. As of 04/19/2022.

Small Cap P/E Back Below Average Relative to History

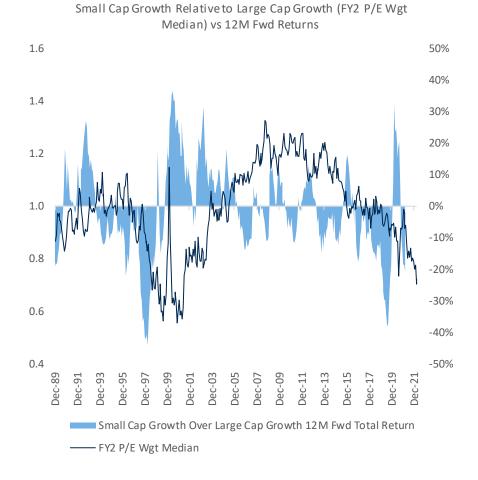


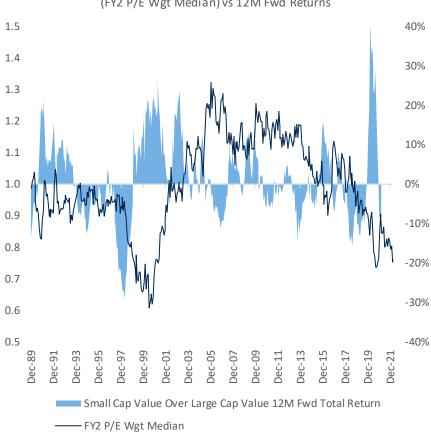
Source: RBC US Equity Strategy, Russell, S&P Capital IQ/ClariFi, CIQ estimates, IBES estimates; as of April 18, 2022

Small Caps Deeply Undervalued vs. Large Cap, Close to Late-2020 Lows



Small Cap Looks Deeply Attractive vs. Large Cap Within Both Growth and Value

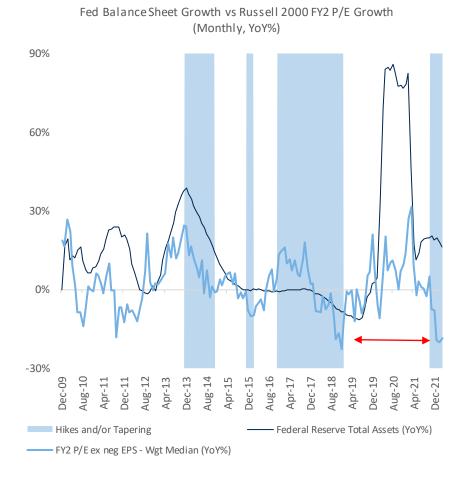




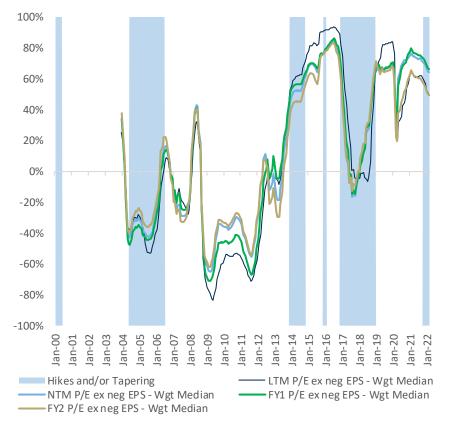
Small Cap Value Relative to Large Cap Value (FY2 P/E Wgt Median) vs 12M Fwd Returns

Source: RBC US Equity Strategy, Russell, S&P Capital IQ/ClariFi, CIQ estimates, IBES estimates; as of April 18, 2022

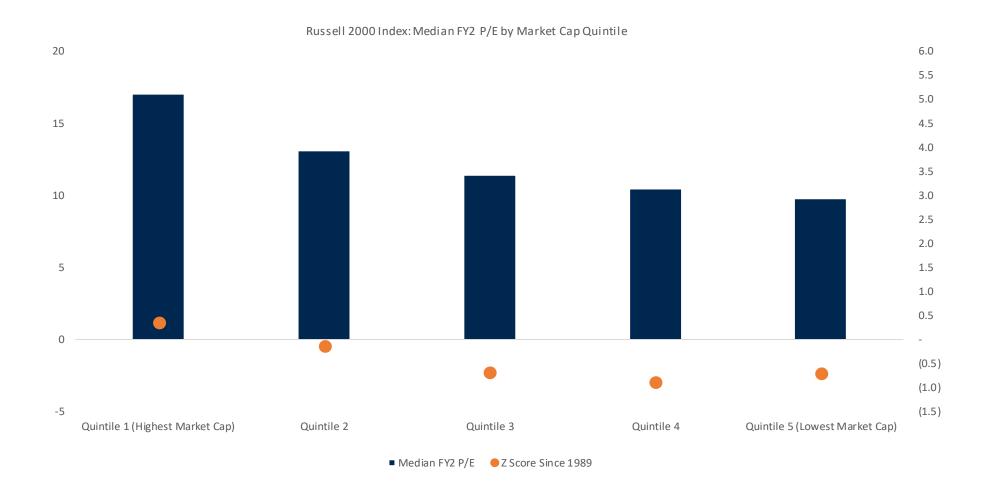
Small Cap's Recent P/E Contraction In Line With Prior Balance Sheet Contractions





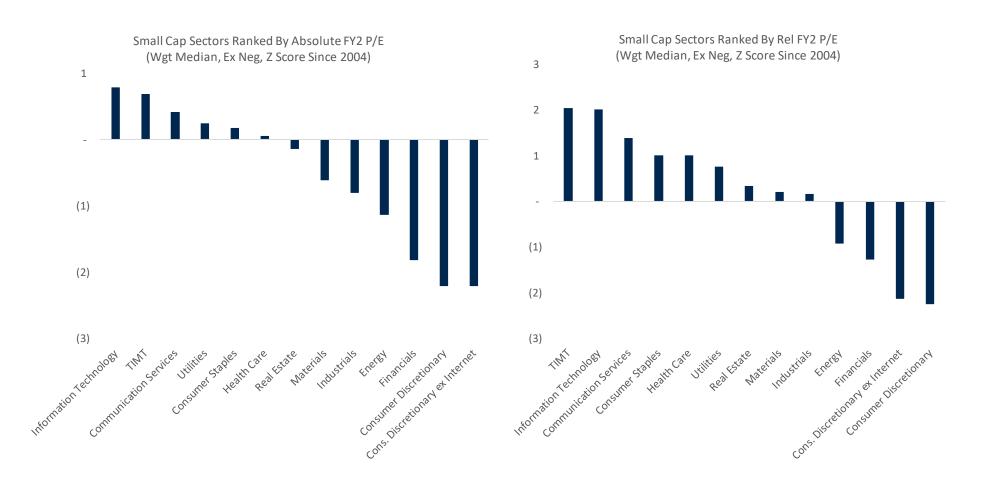


Small Caps Look Reasonably Valued or Slightly Attractive Across All Market Cap Quintiles



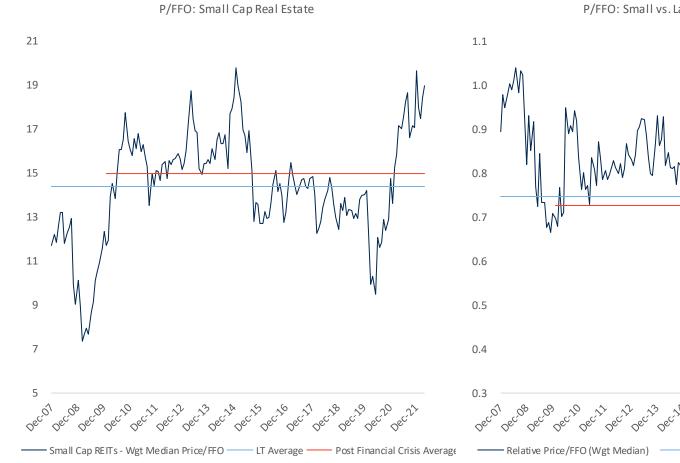
Source: RBC US Equity Strategy, Russell, S&P Capital IQ/ClariFi, CIQ estimates, IBES estimates; valuation stats as of April 20, 2022

Most Sectors Undervalued or Reasonably Valued vs. History, Cyclicals & CD Cheapest



Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, Compustat, CIQ estimates, IBES estimates. As of April 18, 2022.

Small Cap REITs Are Still Expensive vs. History, but Undervalued vs. Their Large Cap Peers



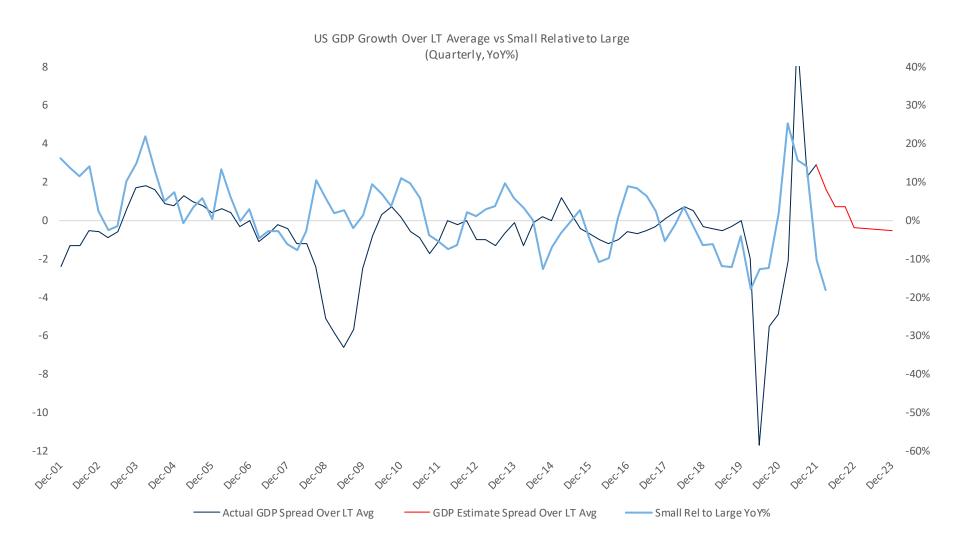
P/FFO: Small vs. Large Cap Real Estate

LT Average

Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi, Compustat, CIQ estimates, IBES estimates. As of April 18, 2022.

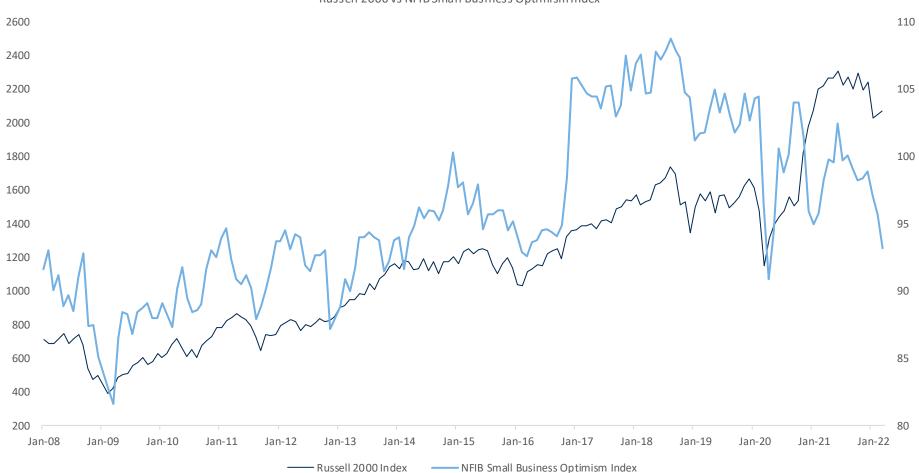
Post Financial Crisis Average

Small Cap Underperformance Has Been Discounting a Cooling Off of GDP Growth



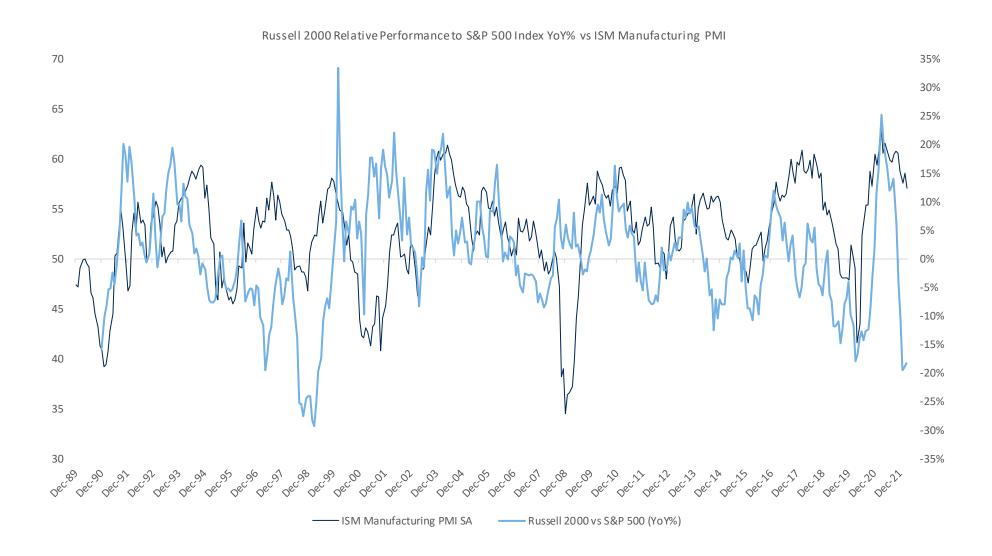
Source: RBC US Equity Strategy, Russell, Bloomberg; as of April 20, 2022

Small Caps Usually Move in Sync with Small Business Optimism, Which Has Weakened

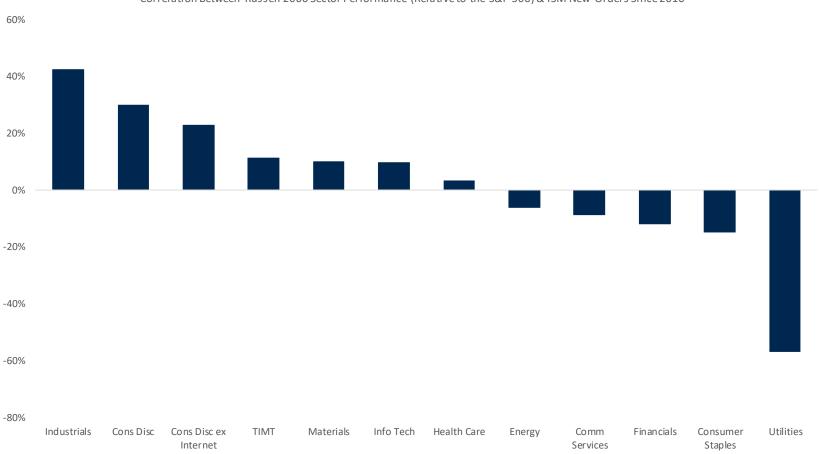


Russell 2000 vs NFIB Small Business Optimism Index

Small/Large Relative Performance Moves in Sync with ISM Manufacturing Trends



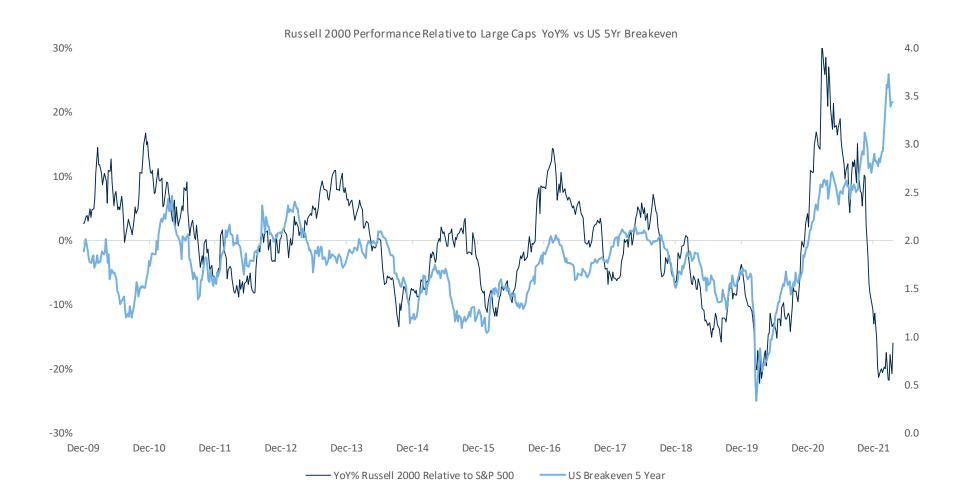
Sector Sensitivities to ISM New Orders



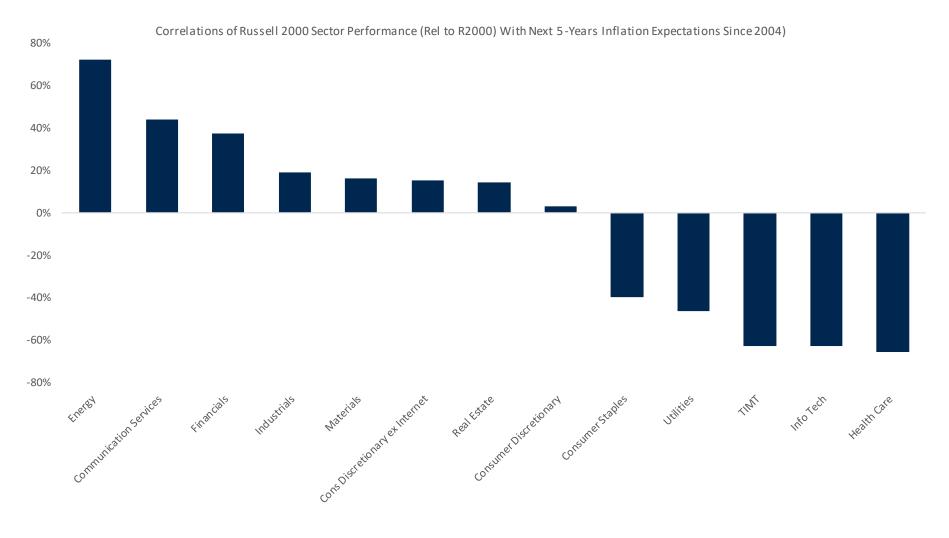
Correlation Between Russell 2000 Sector Performance (Relative to the S&P 500) & ISM New Orders Since 2010

Source: RBC US Equity Strategy, Bloomberg; as of March 2022

Higher Inflation Expectations Have Not Helped Small Cap Recently

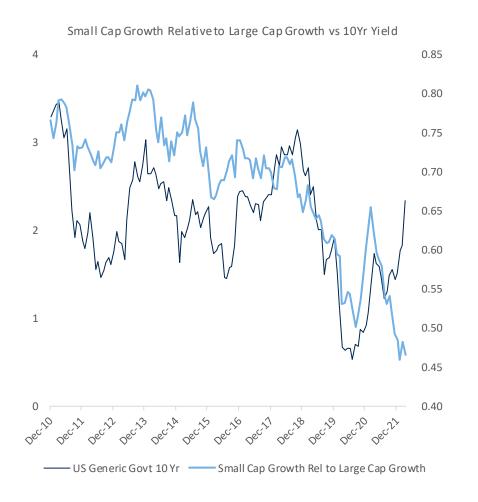


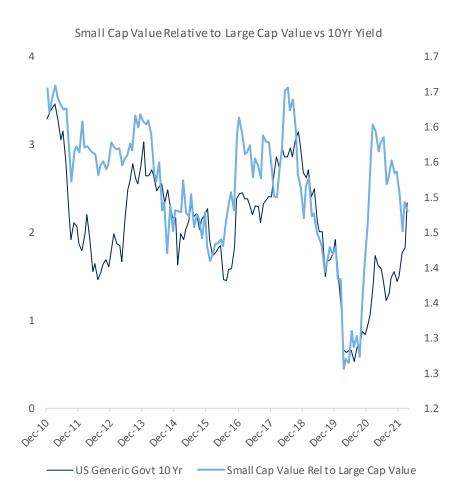
Sector Sensitivities to Inflation Expectations



Source: RBC US Equity Strategy, Haver. As of March 2022.

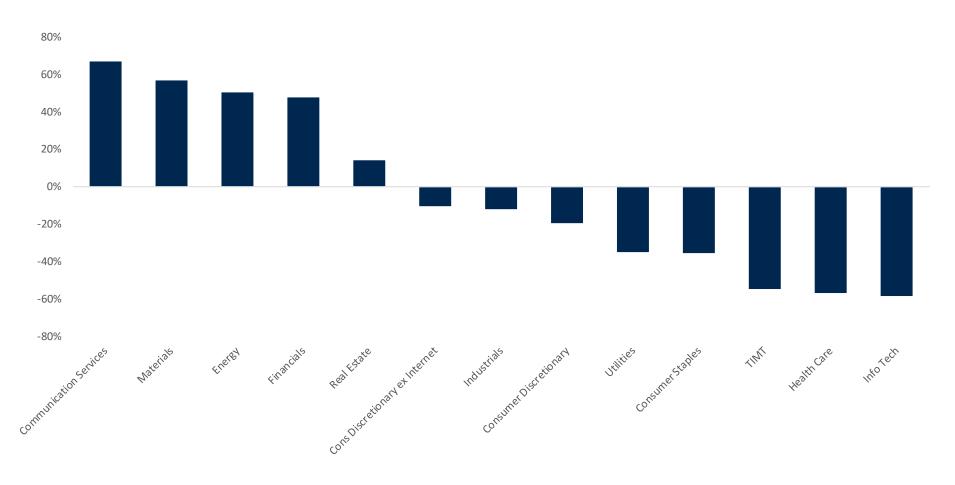
Higher Yields Haven't Helped Small Caps Recently Either





Source: RBC US Equity Strategy, Russell, S&P Capital IQ/ClariFi, Bloomberg; as of March 2022

Comm Svcs, Commodities & Financials Are the Biggest Beneficiaries of Rising 10-Year Yields



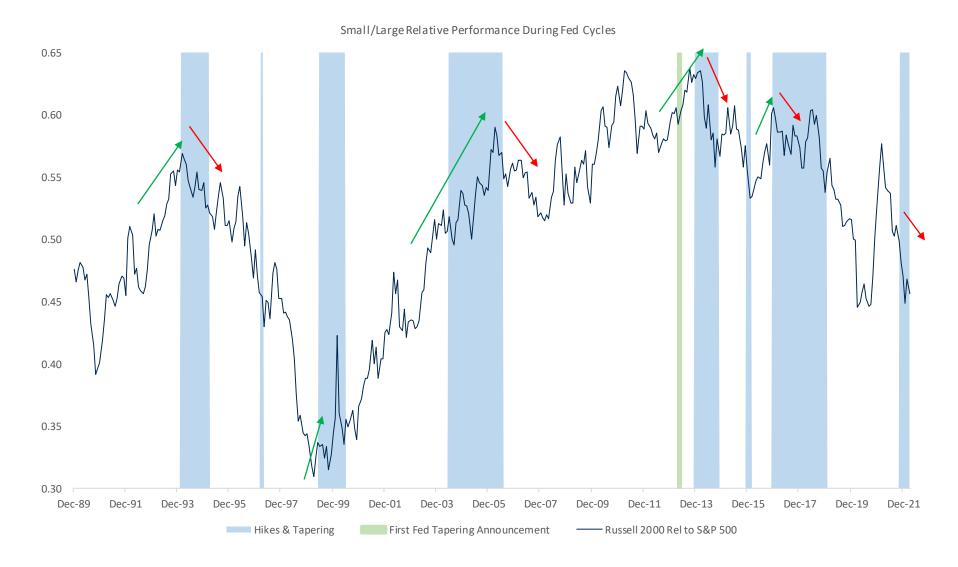
Correlation Between Small Cap Sector Performance (Relative to the Russell 2000) & US 10-Year Yields Since 2010

Small Cap Still Has a Cyclical Bias



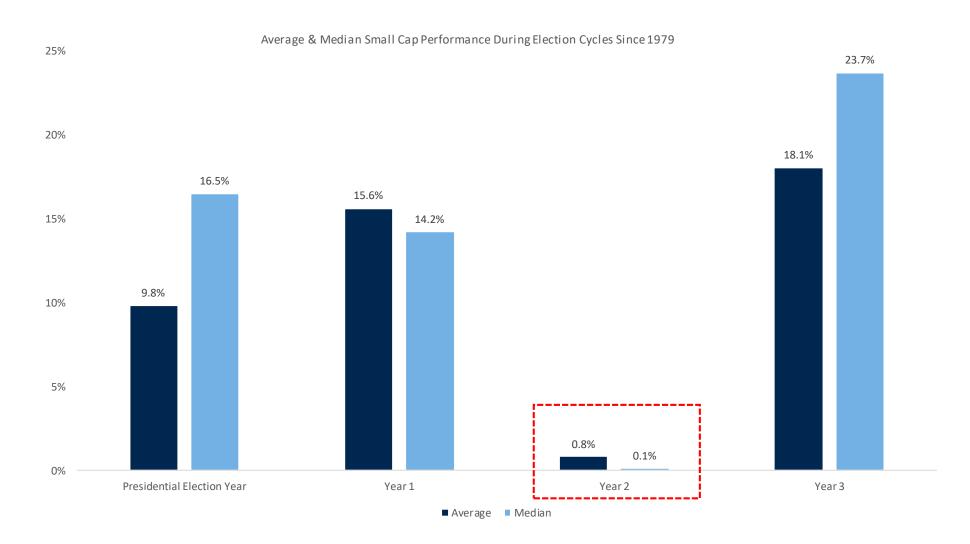
Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi. Cyclical Sectors: Energy, Financials, Industrials and Materials; Defensives: Consumer Staples, Utilities and Health Care; Secular: Consumer Discretionary, Tech, Communication Services, Internet. As of late-March 2022.

Small/Large Relative Performance Peak Normally Seen During Hikes, Came Early This Time



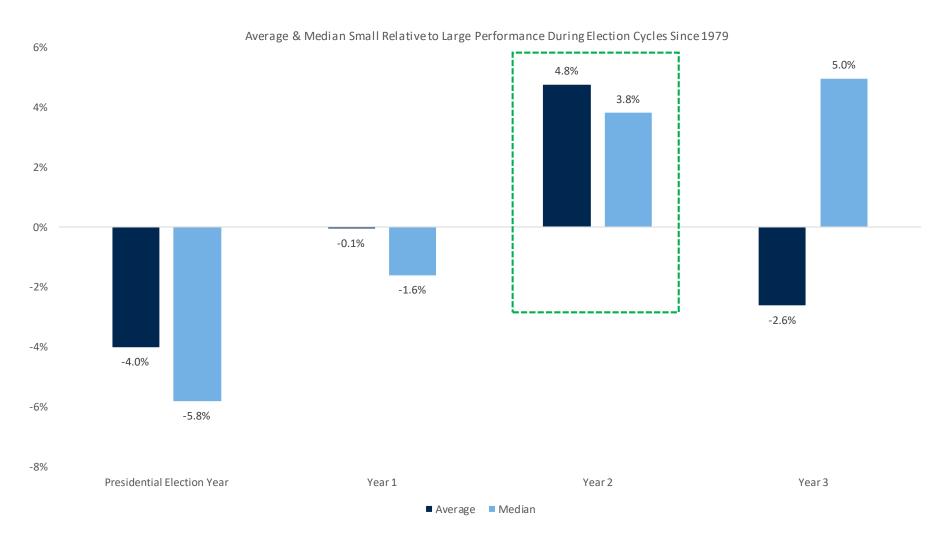
Source: RBC US Equity Strategy, Haver, Bloomberg; as of March 2022

Small Caps Tend to Be Flat in Year 2 of the Election Cycle



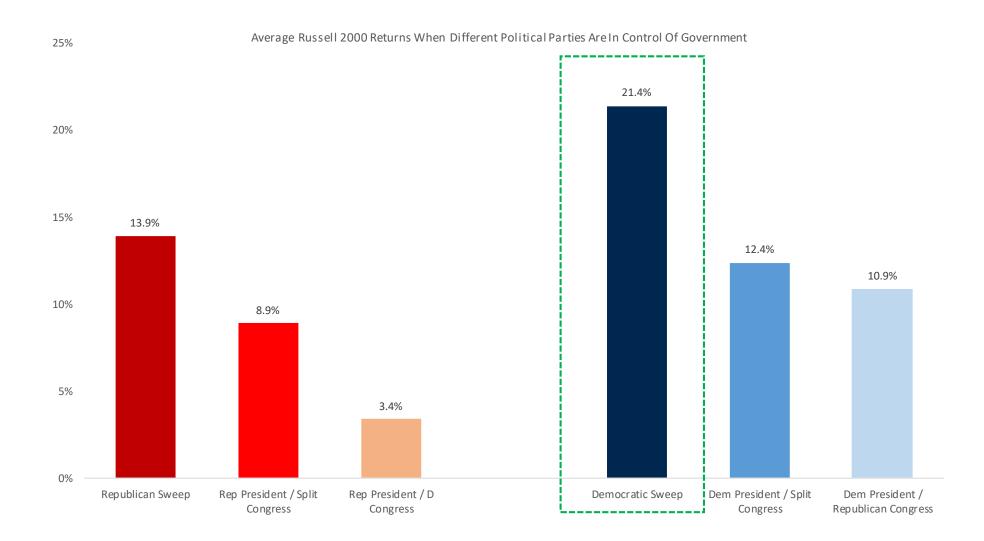
Source: RBC US Equity Strategy, Bloomberg, Russell. Study based on data back to 1979.

Small Caps Tend to Outperform in Year 2 of an Election Cycle



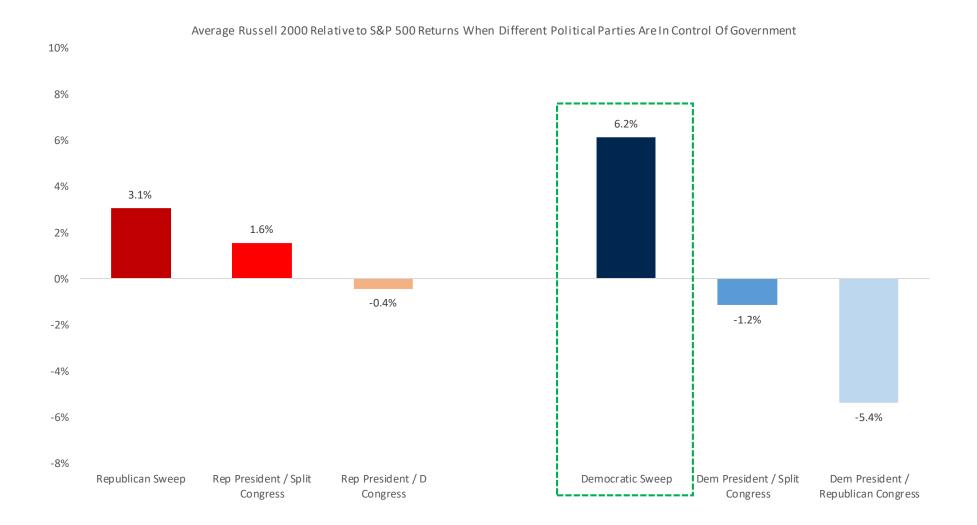
Source: RBC US Equity Strategy, Bloomberg, Russell. Study based on data back to 1979.

Small-Cap Performance Strongest When Democrats Control the White House & Congress



Source: RBC US Equity Strategy, Bloomberg. Includes years since 1979; the 2000 election resulted in a 50/50 tie in the Senate (with a Republican VP acting as the deciding vote after inauguration). However, midway through 2001, one Republican Senator left to become an independent and caucus with the Democrats.

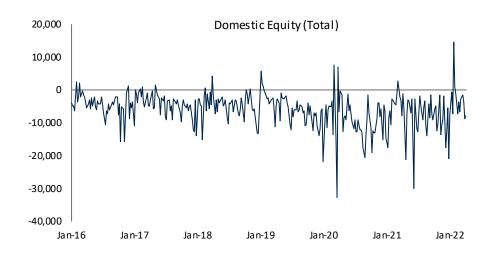
Small Caps Also Tend to Beat Large Caps When Democrats Control the White House & Congress

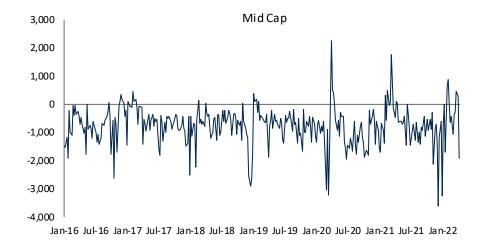


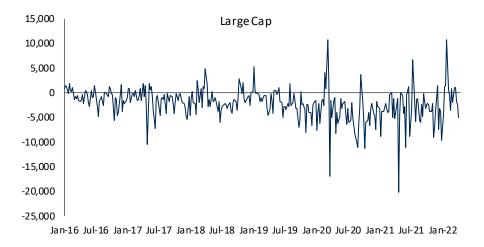
Source: RBC US Equity Strategy, Bloomberg. Includes years since 1979; the 2000 election resulted in a 50/50 tie in the Senate (with a Republican VP acting as the deciding vote after inauguration). However, midway through 2001, one Republican Senator left to become an independent and caucus with the Democrats.

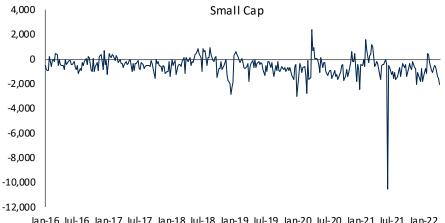
Small Cap / Retail Money Flows

Long-Term Mutual Fund Outflows (Ex ETFs) Have Faded for All Size Segments Recently





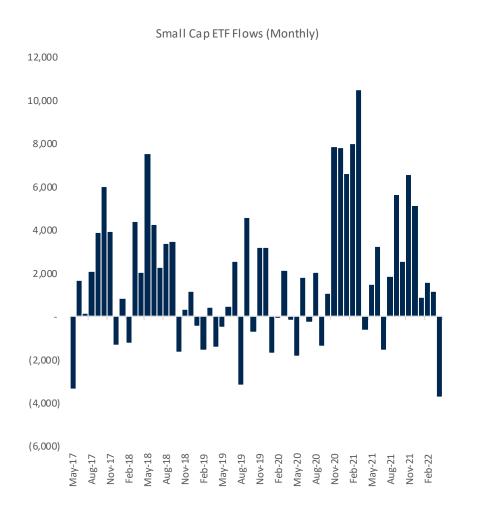


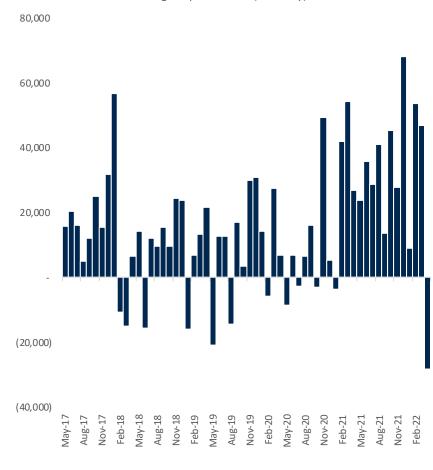


Jan-16 Jul-16 Jan-17 Jul-17 Jan-18 Jul-18 Jan-19 Jul-19 Jan-20 Jul-20 Jan-21 Jul-21 Jan-22

Small Cap / Retail Money Flows

ETF Outflows Have Returned to Both Small Cap & Large Cap Recently

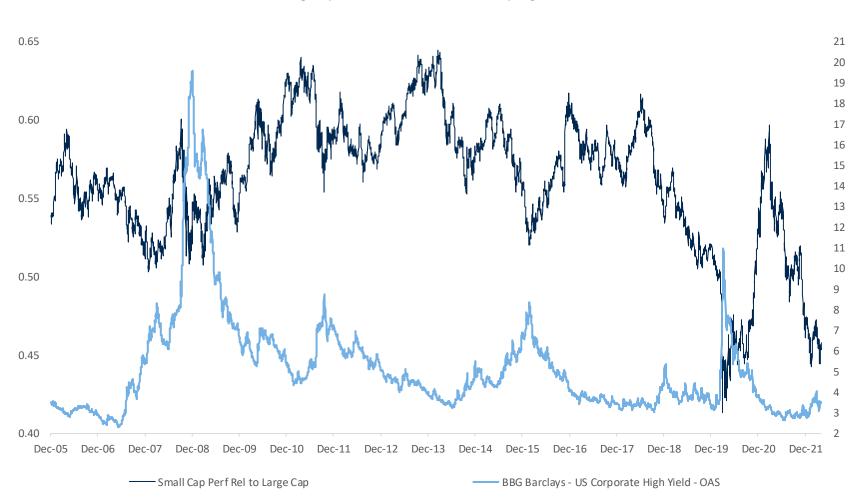




Large Cap ETF Flows (Monthly)

Small Cap / Retail Money Flows

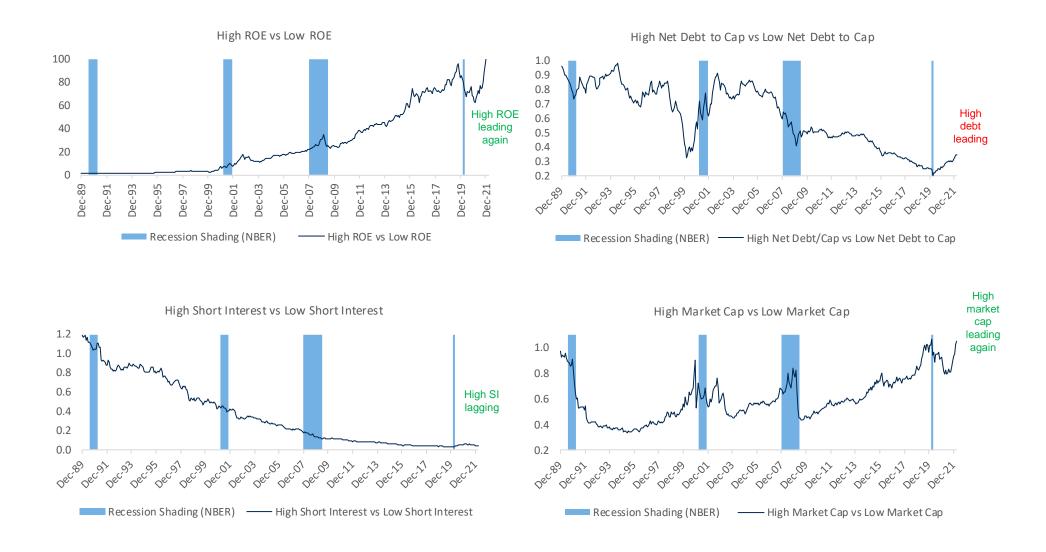
Widening High Yield Spreads a Negative Signal for Small Cap Relative Performance



Small/Large Cap Relative Performance vs US Corp High Yield OAS

Small Cap / Factors

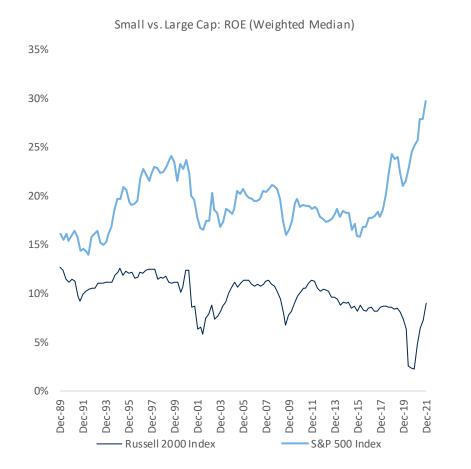
High Quality Tends to Lead Over Time, Mostly Starting To Work Again Within Small Cap

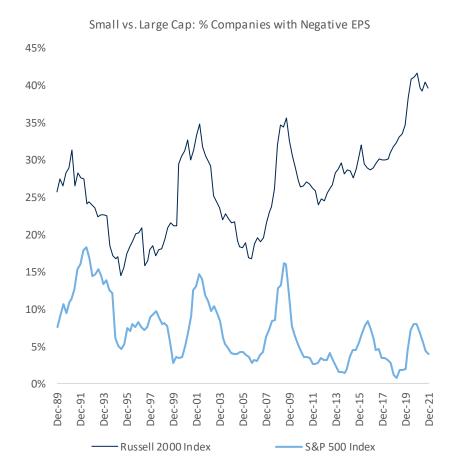


Source: RBC US Equity Strategy, S&P Capital IQ/ClariFi. Based on a universe of Russell 2000 stocks As of March 2022.

Small Cap / Factors

Small Caps Are Seen as Lower Quality Than Large Caps, Gap Has Widened





Source: RBC US Equity Strategy, S&P Capital IQ/Clarifi, Russell, Compustat. As of 4Q21.

R2000 Sector Quality Factor Heat Map: Key Quality Factor Rankings by Sector

| Small Cap Quality Factor Rankings | ROE | Net Debt To Capital | Short Interest % Shr/O | Market Cap | Average Rank |
|-----------------------------------|-------------------|----------------------------------|-------------------------|--------------------------|-------------------|
| Communication Services | 12 | 10 | 6 | 12 | 10.0 |
| Consumer Discretionary | 1 | 9 | 13 | 11 | 8.5 |
| Consumer Staples | 6 | 5 | 10 | 9 | 7.5 |
| Energy | 8 | 7 | 9 | 2 | 6.5 |
| Financials | 4 | 3 | 1 | 7 | 3.8 |
| Health Care | 13 | 1 | 11 | 13 | 9.5 |
| Industrials | 3 | 6 | 5 | 5 | 4.8 |
| Information Technology | 11 | 2 | 7 | 4 | 6.0 |
| Materials | 5 | 8 | 4 | 10 | 6.8 |
| Real Estate | 9 | 11 | 3 | 3 | 6.5 |
| Utilities | 7 | 13 | 2 | 1 | 5.8 |
| Ranking Criteria | #1 is highest ROE | #1 is lowest Net Debt To Capital | #1 is lowest SI % Shr/O | #1 is highest Market Cap | #1 Is Most Desire |

Source: RBC US Equity Strategy, Compustat, S&P Capital IQ/ClariFi. Wgt median used for all metrics. ROE, Net Debt To Capital are as of 4Q21 (final), Market Cap as of 1Q22, and Short Interest as of 3/31.

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|---|-------|---------|--|---------|--|--|--|--|
| | | | | | | | | |
| | | | Investment Banking Serv./Past 12 Mos. | | | | | |
| | | | | | | | | |
| Rating | Count | Percent | Count | Percent | | | | |
| BUY [Outperform] | 841 | 57.68 | 330 | 39.24 | | | | |
| HOLD [Sector Perform] | 569 | 39.03 | 172 | 30.23 | | | | |
| SELL [Underperform] | 48 | 3.29 | 3 | 6.25 | | | | |

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