

January 13, 2020 05:01 AM GMT

US Equity Strategy | North America

Weekly Warm Up: Concentration Should Lead to Opportunities

Concentration at the top suggests risk and opportunity to capture a rotation to the laggards; but timing it may be tricky and we need more than a modest recovery to catalyze. Our "analysis" of Fed balance sheet expansions suggests it does boost asset prices.

An unprecedented divergence has opened up between the y/y change in the S&P 500 and earnings revisions breadth. With \$1.2T in annualized balance sheet expansion from the Fed, ECB and BOJ and signs growth is bottoming, the S&P 500 could have further upside with corrections limited to 5%. The tougher question is whether leadership will stay the same or shift.

As equity markets make new highs every day/week, there is a defensive undertone. This suggests the recovery will be more modest than 2016-17 and in line with our economists' forecast. If the recovery turns out to be more robust, there is an opportunity in the more cyclical parts of the market. We think it is still too early to make a big bet on cyclical or small caps but a good entry point may be approaching after this final test is finished and there is more evidence of a real rebound in manufacturing and inflation expectations.

We are seeing extraordinary concentration of returns at the very top of the market. Specifically, the five largest companies are all tech companies and currently make up 18% of the S&P 500 market cap. This is the most extreme this metric has ever been, including the tech bubble of the late 1990s. This doesn't have to correct itself immediately but it is an unsustainable development in our view especially if net income concentration doesn't keep pace.

We think a reversal in the concentration could happen one of 2 ways: 1) proactively as investors decide to diversify into other areas of the market that have underperformed (bullish), or 2) reactively as the leaders just trade lower because the trend exhausts itself as net income concentration doesn't keep pace (bearish). Of course there is also a chance this is like the late 1990s and these leaders just continue to melt up. We would view that as bullish in the short term but a bearish development longer term.

The Fed's balance sheet and the S&P 500. Our missed call on the market multiple last year has us tuned in to liquidity dynamics that can support the market and its valuation at these levels. Given limited precedent, establishing a causal link between the Fed's balance sheet expansion and above average returns for the S&P is difficult. We found some (limited) historical evidence that S&P returns are better than average when the Fed is adding liquidity to the market, especially if the balance sheet expansion is large and/or forward earnings forecasts aren't falling, dynamics which have been at play through 4Q and YTD.

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What to Focus on This Week

We continue to view central bank activity as an important driver of asset prices in the near term given the lackluster improvement in earnings revisions. More specifically, an unprecedented divergence has opened up between the y/y change in the S&P 500 and earnings revisions breadth (Exhibit 1). With \$1.2T in annualized balance sheet expansion from the Fed, ECB and BOJ ongoing, we think stocks will have a difficult time selling off much and think any correction in the S&P 500 will be limited to 5 percent or less.

Exhibit 1: Unprecedented Divergence between y/y change in S&P 500 and Earnings Revisions Breadth



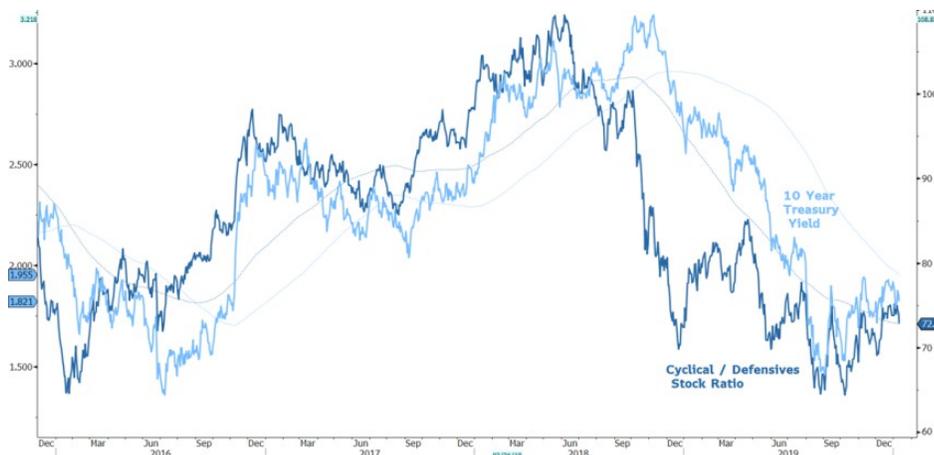
Source: Factset, Morgan Stanley Research

It's also important to acknowledge the role that bottoming fundamentals have played as well. Without such improvement, it's unlikely stocks would have rallied so much this fall even with the excessive liquidity. On that score, our economists have been vocal about the improvement in global PMIs, trade and other early indicators suggesting global growth will trough in 1Q near 3 percent with a ramp toward 3.4% by 4Q. The US recovery should lag the rest of the world given the fact that it began to slow later, is less leveraged to a trade rebound and is still suffering from unique late cycle dynamics weighing on margins and capital investment. As a result, we see further deceleration in US economic growth in the first half but stabilizing at around trend line growth of 1.8%. That should be enough to generate decent top line growth in 2019.

As for earnings, our work is also starting to show some signs of bottoming in the growth rate for the S&P 500 while small/mid caps are still struggling with deteriorating operating leverage. We will be looking this earnings season for signs of stabilization in margins and areas of pricing power and positive operating leverage. **The equity market continues to pay up for quality and is fading cyclicals relative to defensives** again as this ratio tests its 200 day moving average. 10 Year Treasury Yields are following this same pattern after failing to get above its 200 day moving average

during this entire market recovery. **In short, as equity markets make new highs every week, there is still a defensive undertone that suggests the recovery will be much more modest than 2016-17 and in line with our economists' forecast.** If the recovery turns out to be more robust, there is an opportunity in the more cyclical parts of the market. We think it is still too early to make a big bet on cyclicals but a good entry point may be approaching after this final test is finished and there is more evidence of a real rebound in manufacturing and inflation expectations.

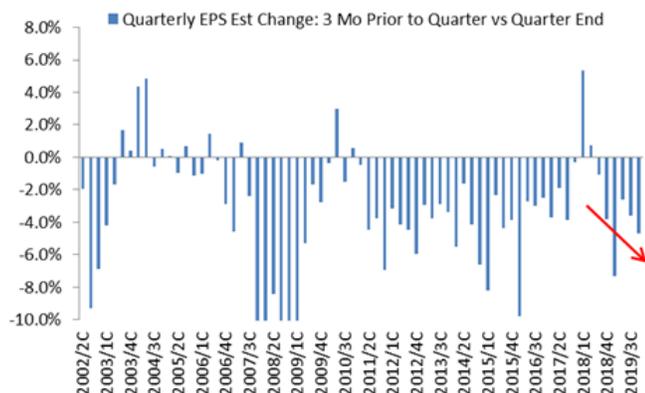
Exhibit 2: Cyclicals/Defensive stock ratio and Treasury Bonds suggest recovery will be modest



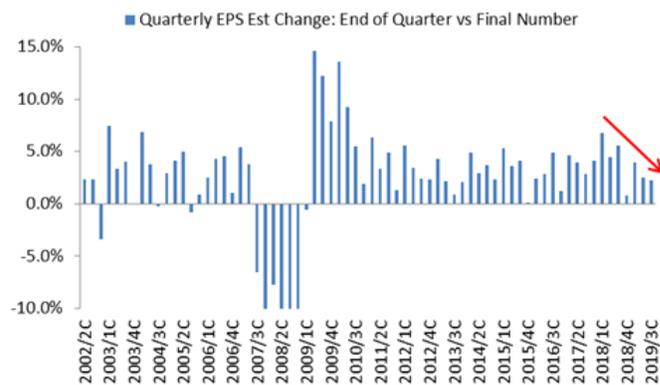
Source: Bloomberg, Morgan Stanley Research

Earnings downgrades have abated and may flatten out near term

As we head into earnings season, negative revisions have abated which is natural at this time of the quarter. Exhibit 3 shows that revisions during each quarter last year got progressively worse which led to progressively smaller beats (Exhibit 4). Based on the sharp decline of 4Q EPS estimates during last quarter, **we expect a beat of approximately 2 percent when 4Q earnings season is finished. This would leave 4Q flat y/y based on the current -1.8% estimate. Hardly exciting, but that would be a slight uptick from 3Q when y/y EPS came in at -0.8% which supports the view that the earnings recession is behind us, at least for the large caps.** Furthermore, with progress made on trade and Brexit, recession fears extinguished and a strong stock market, companies are likely feeling more optimistic and will not guide 1Q or 2020 down as much as they did during 1Q-3Q19 earnings seasons. All of this is supportive of stock prices but the question is have stocks run too far? We still think 2020 bottom up consensus EPS forecast for the S&P 500 of +9.5% growth is too high and these numbers will come down. However, with 2020 growth expectations very back end loaded, forward 12 month EPS will likely not come down much, and may even go up as we roll up estimates from 2021.

Exhibit 3: Earnings revisions during each quarter last year got progressively worse....

Source:

Exhibit 4:which led to progressively smaller beats

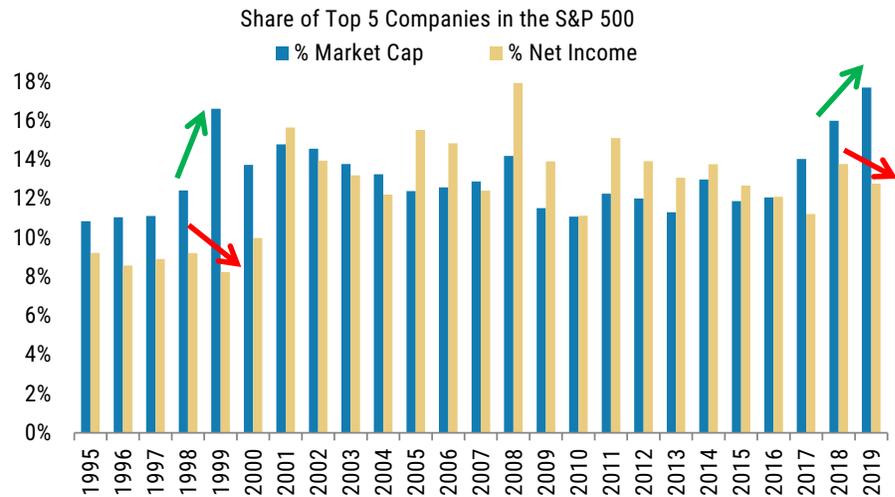
Source:

The Other 1 Percenters

Market breadth has improved over the past year and it is one of several positive technical factors at the moment. However, we are seeing extraordinary concentration of returns at the very top of the market. Specifically, the five largest companies, or the top 1%, currently make up 18% of the market cap of the S&P 500. This is the most extreme this metric has ever been ([Exhibit 5](#)). **The last time we saw something even remotely this high was 1999, at the end of the tech bubble.** Interestingly, the five largest companies in the S&P are all tech or internet companies-- Apple, Microsoft, Google, Amazon and Facebook. Ironically, during the tech bubble episode of 1999, the group at the top included only three tech companies - Microsoft, Cisco, and Intel. The other two were GE and Walmart. While we don't think there is a valuation bubble in tech anywhere near the scope of what we experienced in 1999, the concentration in tech stock performance is unhealthy in our view and arguably unsustainable.

On one hand, the concentrated returns in such stocks make sense in a world of low growth and low interest rates and inflation. High quality growth stocks are a great place to be. However, obvious themes often go too far and exhibit 3 is a warning sign we may be closer to the end of this trend. Adding further concern to that warning is the fact that net income concentration for these five companies failed to keep pace with last year's price move which is another similarity to what happened in 1999. It seems clear, that this concentration is extreme. **The question is will it reverse and when? Secondly, will it happen proactively as investors decide to diversify into other areas of the market that have underperformed (bullish), or will it happen reactively as these leaders just trade lower because the trend exhausts itself as net income concentration doesn't keep pace (bearish)?** Of course there is also a case that the concentration just gets more extreme as liquidity keeps plowing into the same names at the top. Year to date, that's exactly what's happening and it's what happened in the first quarter of 2000, the last time we saw such concentration.

Exhibit 5: There is a growing divergence between top 1% market cap and net income concentration



Source: Bloomberg, Factset, Morgan Stanley Research

Beneficiaries of a Proactive Reversal?

We have become more bullish over the past 3 months but a good chunk of that bullishness is due to excess liquidity rather than a material change to our economic / earnings forecasts. Extinguishing the recession risk was very important and worth a lot as was the de-escalation in trade tensions between China and the US. However, the market internals seem to agree with our view that the rebound will be modest given its preference for large over small, quality over junk, inability of cyclicals to power higher relative to defensives and still low Treasury yields. Perhaps the biggest vote for a modest rebound can be seen in *real* Treasury yields which have barely moved off the zero bound, a level they crossed during last summer's recession scare (Exhibit)

Exhibit 6: Real Rates very close to zero suggest Modest Growth Rebound



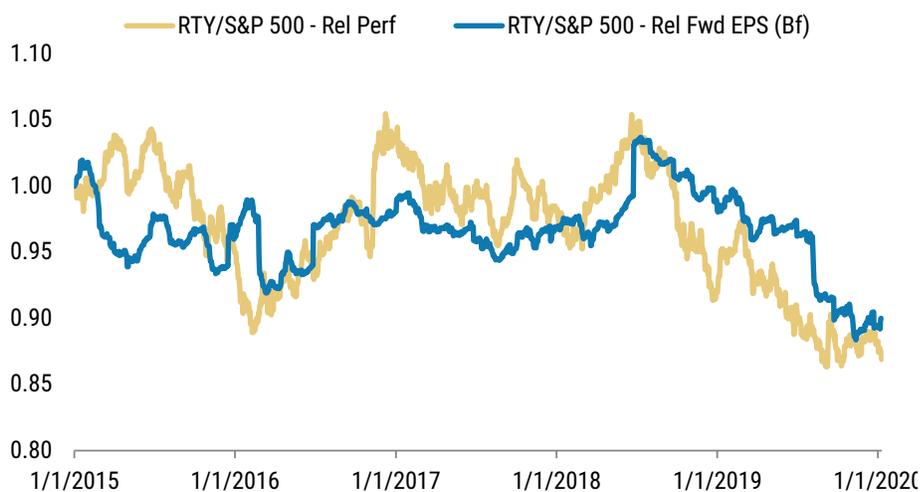
Source:

The bottom line is that the market internals are priced for a *modest* rebound in growth. This is one reason why large cap tech stocks are dominating, especially year to date. Therefore, the bigger opportunities are away from big cap tech but it will require a greater belief in a bigger growth rebound. We don't see that yet but we do think this as the biggest risk to positioning and sector performance going forward.

Small caps

Small caps have underperformed large caps by almost 20 percent over the past 18 months and would be a natural beneficiary of a reversal of the concentration discussed above. We think it's too early for a proactive shift into small caps specifically, mainly because relative forward EPS will likely remain under pressure and that's the reason they have been underperforming (Exhibit 4). Our analysis continues to show small cap companies exhibiting much worse negative operating leverage than large caps and that should continue into early 2020 at a minimum. Having said that, we are looking for an entry point as the relative underperformance has reached an extreme. **We think it will require meaningful acceleration in growth in the US economy which our economists aren't forecasting.**

Exhibit 7: Small caps likely to continue underperforming until relative EPS can turn around.



Source: Bloomberg, Morgan Stanley Research

With global growth bottoming in 1Q, there has been more interest in the global cyclicals since September but as noted earlier, the rally here has started to fade. In Exhibit 8, we highlight 3 index rotation trades that we believe should work if we get the proactive rotation out of big cap tech from a more convincing reacceleration in global growth: **Financials (Banks) over Real Estate, Industrials over Semis, and Energy over Utilities.** Exhibit 8 shows these three pairs and how they have traded over the past few years. Of the three, only the first one (Financials over Real Estate) is showing any meaningful outperformance since last summer's lows/recession fears. Industrials have showed no relative strength versus semis yet but the performance is starting to flatten out. Finally, Energy vs Utilities performance has been flattening since last summer which is encouraging as well but that is during a period when oil prices have rebounded sharply due to OPEC supply cuts and rising geopolitical concerns.

Exhibit 8: Three index rotation trades that we believe should work in a better global growth environment

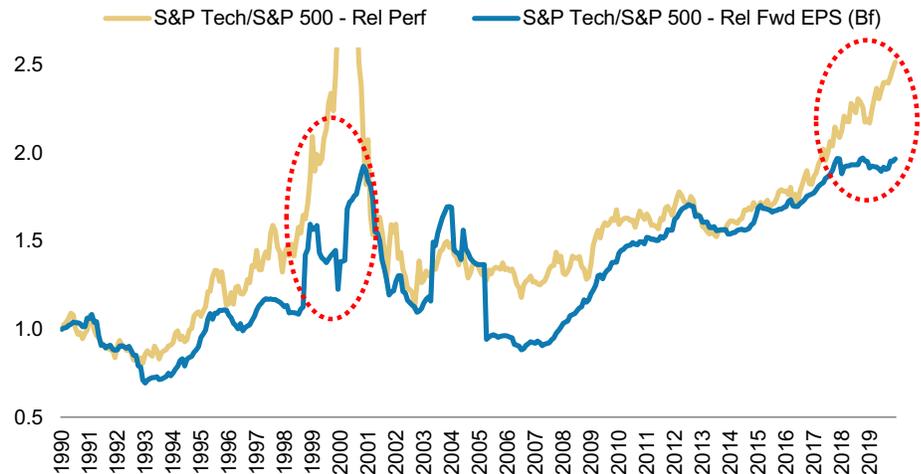


Will Tech Leadership Continue?

Since the Fed's balance sheet began expanding in September of last year, the S&P 500 is up 12%, led by Tech, which is up 19%. Tech Hardware (+34%), Semis (22%), and Banks (21%) have led the way. Software has been a modest relative underperformer over this period despite its surge since year end, underscoring the idea that the liquidity driven bid may now have shifted to higher quality/defensive growth that benefit from lower rates rather than the more cyclical growth subsectors (i.e. semis/hardware). While we think this outperformance in Tech can continue in the near term, we think it is getting more, not less, speculative. In our view, tech's relative outperformance has not been supported by earnings and will require a surge in absolute and relative earnings growth this year to substantiate. Having said that, it has all the qualities many investors want right now, so if liquidity continues to drive markets, it could just keep going. We just want to highlight the divergences we see in our work.

Exhibit 9 shows that Tech's relative performance has significantly overshot relative forward earnings. In fact, relative forward earnings are essentially flat since November of 2017 (in line with our forecasts), while relative performance for the Tech sector is up 26%. We downgraded the sector in July 2018 when this relationship became disconnected by approximately 15%. The sector underperformed in 4Q18 but has since become even more disconnected from earnings. In fact, the only other time we have observed such a disparity was during the tech bubble of the late 1990s. While our call on tech earnings has been right, our call to be underweight the sector has been wrong. We appreciate that momentum can go further in a liquidity driven bull market but we can't ignore the lagging relative earnings growth, and therefore, remain underweight. **We fully expect to see powerful rotation to other sectors and stocks at some point this year as discussed above.**

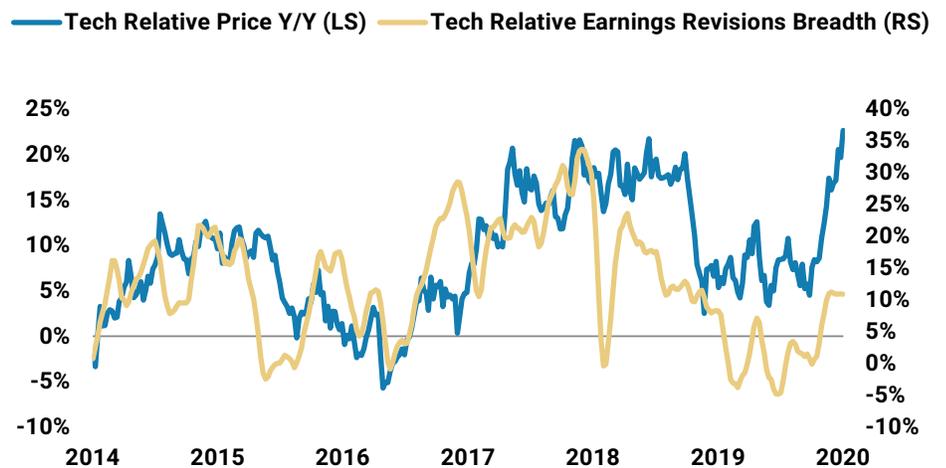
Exhibit 9: Tech Relative Performance Has Significantly Outpaced Relative Earnings



Source: Bloomberg, Morgan Stanley Research as of December 31, 2019.

Exhibit 10 shows that **Tech relative earnings revisions breadth has turned higher since the summer which is absolutely a positive and a fundamental reason why the sector is performing well.** However, just as with the prior example, relative performance has outpaced relative earnings revisions breadth by a wide margin and *modestly* positive relative earnings revisions breadth won't close the gap seen in Exhibit 7 any time soon.

Exhibit 10: Tech Relative Performance Has Also Gotten Ahead of Relative Earnings Revisions Breadth

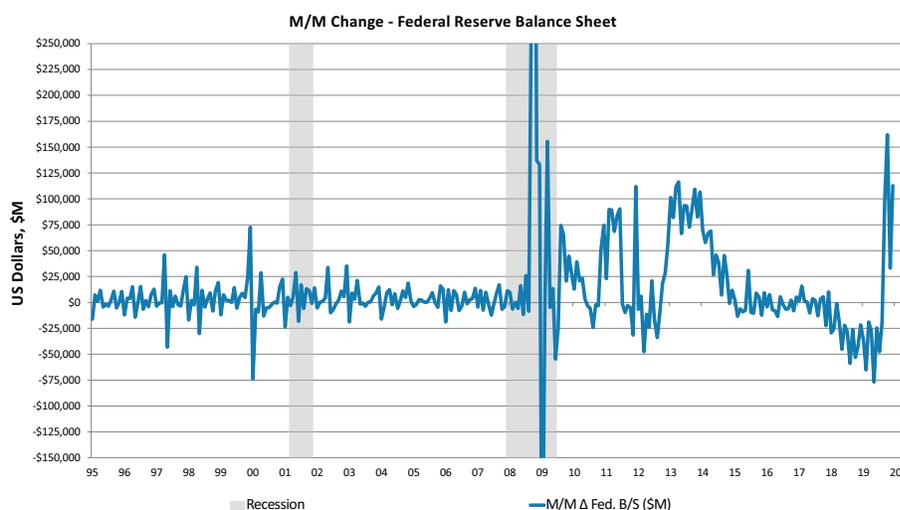


We ran the same analysis for all of the sectors in the S&P 500 shown in Exhibits 9 and 10 and nothing was as extended as Tech. On the flip side, diversified financials, healthcare, staples and utilities are showing relative earnings revision breadth *ahead* of relative performance suggesting there could be a rotation back toward some of these defensive areas as we go through earnings season, particularly if rates stay under control as we expect. For healthcare specifically, further relative outperformance for this sector will occur only if political concerns remain benign. With primaries about to start, this is probably not the time to make that choice but it should be on your radar and not a big underweight in portfolios in our view.

The Fed's Balance Sheet & S&P Returns

As the Fed has expanded the size of its balance sheet, we have been of the view that the resultant excess liquidity has been beneficial for stock prices and multiples. The potential impact of the Fed on equities has been a central feature of almost all our client conversations the last few months. Most clients suspect that there is some positive impact, though the transmission mechanism and quantification of that impact are hard to pin down, limiting confidence in its durability now that asset prices appear ahead of the fundamentals (Exhibit 1). Since the Fed has rarely expanded its balance sheet at the pace it has been on since October (Exhibit 11) there is limited history to analyze, but we found some evidence that periods of balance sheet expansion have lined up with above average equity returns.

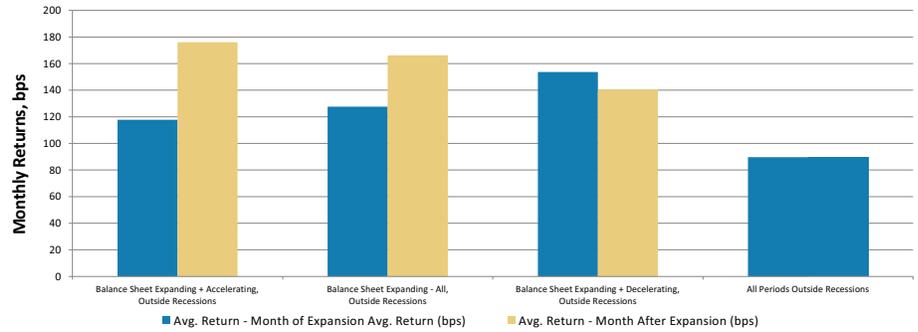
Exhibit 11: The Fed's Recent Balance Sheet Expansion Looks Extreme vs History



Source: Bloomberg, Morgan Stanley Research.

An expanding balance sheet outside of recessions has coincided with above average monthly returns for the S&P, but there are some caveats. Exhibit 12 shows the average monthly total return of the S&P 500 (in basis points using data from 1995 on) in non-recession months when the Fed expanded its balance sheet and in the subsequent month. When the balance sheet expanded, the S&P returned 128 bps and another 166 bps in the following month. This compares to about a 90 bps average return for the S&P in all months outside of recession during the period. When we further broke down the balance sheet expansion into periods of acceleration (balance sheet grew more than in the prior month) and deceleration (balance sheet grew, but less than in the prior month) returns look similar, with the month after accelerating expansion seeing the highest average returns. The higher average returns are encouraging, but monthly returns on the S&P are fairly volatile and exogenous fundamental forces can overwhelm liquidity dynamics so difference tests for statistical significance generally fail to corroborate a definitive difference in returns. Where we did find some statistical significance to coincident balance sheet expansion and above average returns, albeit on smaller sample sizes, were periods where (1) the balance sheet expansion was toward the high end of its historical range or (2) next twelve month earnings estimates on the S&P were rising. We note that both of these dynamics have been at play in 4Q19.

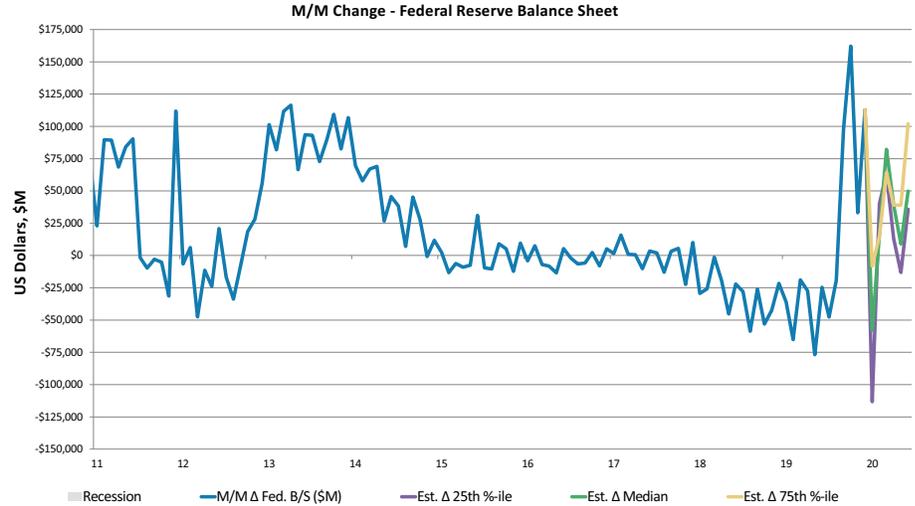
Exhibit 12: Some Evidence S&P Returns Are Higher When The Fed Balance Sheet Is Expanding



Source: Bloomberg, Morgan Stanley Research.

To the extent Fed provided liquidity is supporting equities, the outlook for the balance sheet matters and expansion looks set to continue. Exhibit 13 looks at the historical m/m change in the Fed's balance sheet and projects that change through June based on the Fed's December survey of market participants. The purple, green, and yellow lines show what the potential evolution of the m/m changes in the Fed's balance sheet based on the 25th percentile, median, and 75th percentile of responses to this survey respectively, with an embedded assumption from us that the take down rate on available repo facilities is ~60% (lower than it has been the last few months). In most scenarios the balance sheet will continue to expand through the first half of this year.

Exhibit 13: Market Participant Expectations Show Continued Balance Sheet Expansion



Source: Bloomberg, Federal Reserve Bank of New York, Morgan Stanley Research.

Fresh Money Buy List Updates

Each week, we will use a section of our Weekly Warm Up to provide brief updates on select stocks on our Fresh Money Buy List.

Exhibit 14: Fresh Money Buy List - Stats & Performance

Company Name	Ticker	MS Analyst Rating	Sector	Market Cap (\$Bn)	Price	MS PT	% to MS PT	MS Analyst	Date Added	Total Return Since Inclusion	
										Absolute	Rel. to S&P
Walt Disney Co	DIS	Overweight	Communication Services	\$262.6	\$144.62	\$160.00	11%	Swinburne, Benjamin	3/14/2018	43.4%	20.9%
Humana Inc	HUM	Overweight	Health Care	\$49.3	\$364.12	\$457.00	26%	Goldwasser, Ricky	7/19/2018	16.1%	(3.3%)
Iqvia Holdings Inc	IQV	Overweight	Health Care	\$32.4	\$159.30	\$170.00	7%	Goldwasser, Ricky	3/14/2018	50.7%	28.3%
Coca-Cola Co.	KO	Overweight	Consumer Staples	\$239.4	\$55.53	\$60.00	8%	Mohsenian, Dara	8/5/2019	7.7%	(4.7%)
Microsoft	MSFT	Overweight	Information Technology	\$1,249.7	\$161.34	\$189.00	17%	Weiss, Keith	3/14/2018	75.6%	53.2%
NextEra Energy Inc	NEE	Overweight	Utilities	\$117.4	\$243.55	\$240.00	(1.5%)	Byrd, Stephen	3/14/2018	64.5%	42.0%
Philip Morris Intl.	PM	Overweight	Consumer Staples	\$136.1	\$87.46	\$99.00	13%	Kaufman, Pamela	7/29/2019	4.8%	(4.1%)
Procter & Gamble Co.	PG	Overweight	Consumer Staples	\$327.9	\$123.97	\$134.00	8%	Mohsenian, Dara	3/18/2019	23.4%	5.9%
T-Mobile US, Inc.	TMUS	++	Communication Services	\$68.9	\$79.00	++	++	Flannery, Simon	3/14/2018	21.6%	(0.9%)
Current List Performance											
Average (Eq. Weight)				\$276.0			11%			34.2%	15.3%
Median				\$136.1			9%			23.4%	5.9%
% Positive Returns (Abs. / Rel.)										100%	56%
% Negative Returns (Abs. / Rel.)										0%	44%
Avg. Hold Period (Months)											16.7
All Time List Performance											
Average (Eq. Weight)										15.8%	2.9%
Median										16.1%	(3.3%)
% Positive Returns (Abs. / Rel.)										71%	35%
% Negative Returns (Abs. / Rel.)										29%	65%
Avg. Hold Period (Months)											12.8

++ Rating and other information has been removed from consideration in this report because, under applicable law and/or Morgan Stanley policy, Morgan Stanley may be precluded from issuing such information with respect to this company at this time.

Performance returns shown above represent local currency total returns, including dividends and excluding brokerage commission. Returns are calculated using the closing price on the last trading day before the date shown in the "Date Added" column through close on the last trading day prior to publication of this report for stocks currently on the list and through close on the day of removal for stocks formerly on the list. These figures are not audited. Past performance is no guarantee of future results.

Source: Bloomberg, Morgan Stanley Research

Microsoft (MSFT), Keith Weiss

- **Who's Afraid of Gross Margin Pressures? Not Us...** - Product cycles and Cloud revenue mix have stoked investor concerns on the durability of FY21 gross margins. Our bottom-up gross margin analysis supports an out of consensus view of expanding margins and durable double-digit gross profit \$ growth. We remain OW and increase our PT to \$189.

T-Mobile US (TMUS), Simon Flannery

- **4Q19 Pre-release: Another Beat But Signs of Heightened Competition** - In line with prior years, T-Mobile pre-released its 4Q subscriber results with net adds coming in ahead of both guidance and consensus estimates: The company reported 1.3M branded postpaid net adds vs MS/consensus at ~1.2M and an implied 4Q guidance midpoint of ~1M. The ~30% beat vs guidance compares to ~60% last year and ~45% on average over the last 5 years. Postpaid phone net adds of ~1M drove most of the beat, though churn was 10 bps above consensus and up 2 bps vs last year for the first y/y increase since 1Q16. The higher churn may reflect more aggressive promotional activity, particularly from Verizon in recent months, as well as a continued ramp in mobile from the cable companies. The company noted that postpaid phone gross adds were up 5% y/y "in a very competitive environment." This factor could pressure margins when the company reports financial results in February. Prepaid adds of 77k were below both MSe and consensus expectations, with the company noting 160k migrations from prepaid to postpaid in the quarter. These could be the first signs of more heightened competition to come in 2020.

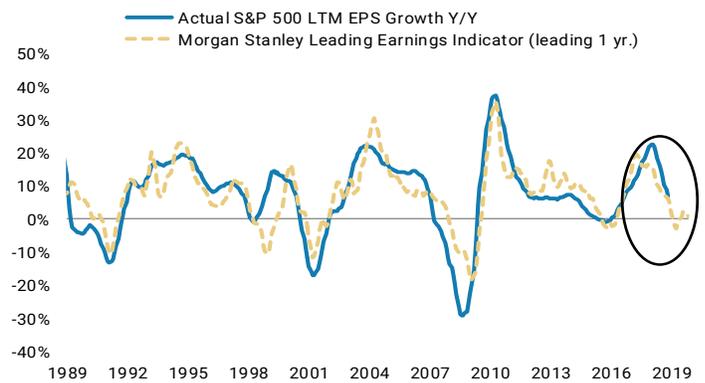
Weekly Charts to Watch

Exhibit 15: Four Charts to Focus On

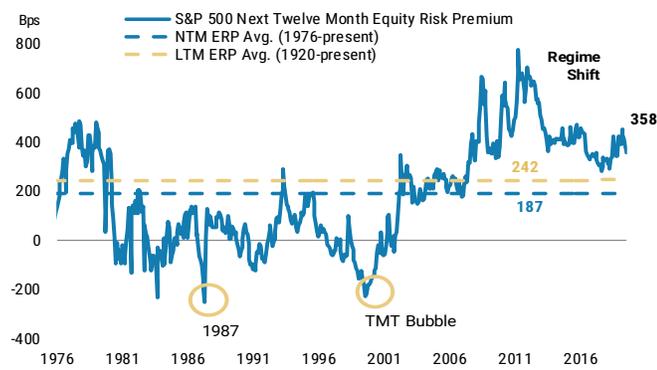
Rolling NTM EPS



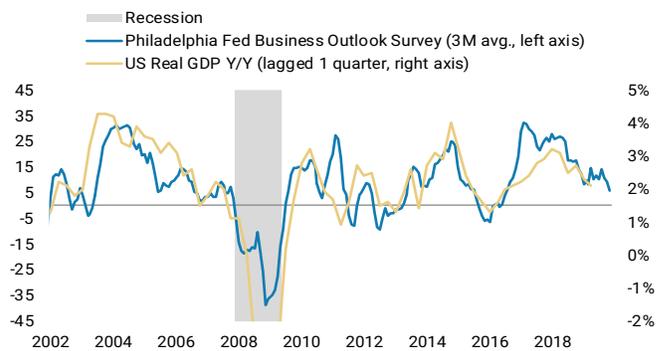
Morgan Stanley Leading Earnings Indicator



S&P 500 NTM Equity Risk Premium



Phil. Fed Business Outlook Survey Leads Real GDP Growth



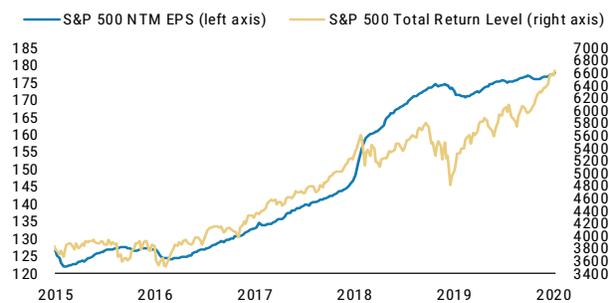
Source: FactSet, Bloomberg, Robert Shiller, Morgan Stanley Research. Top: As of Dec 31, 2019. Bottom Left: As of Jan 9, 2020. Bottom Right: As of Dec 31, 2019. MS Leading Earnings Indicator is a macro factor based earnings model that leads actual earnings growth by one year with a 0.7 12-month leading correlation. Note: S&P 500 fundamental data used post March 1993; Top 500 by market cap data used before 1993. LTM equity risk premium average is since 1920. ERP based on forward earnings yield and 10-year Treasury Yield.

Exhibit 16: US Earnings Snapshot

S&P 500 Y/Y EPS Growth



S&P 500 NTM EPS vs. Total Return Level



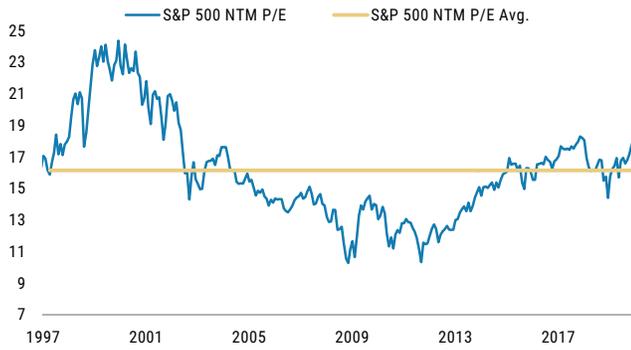
S&P 500 Earnings Revisions Breadth



Source: Thomson Financial, FactSet, Morgan Stanley Research. Top: As of January 10, 2020. Bottom: As of January 9, 2020.

Exhibit 17: US Equity Market Traditional Valuation Measures

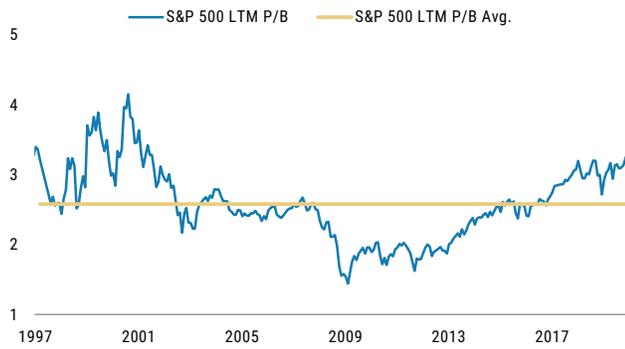
S&P 500 NTM P/E



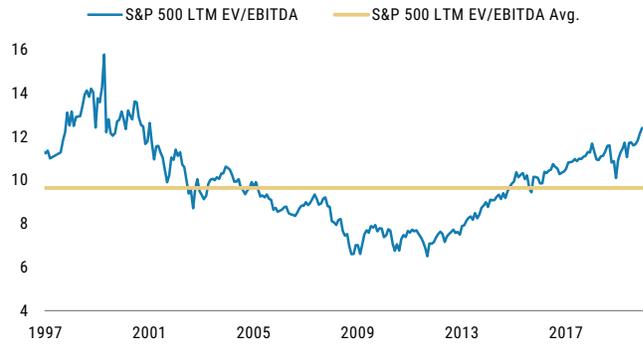
S&P 500 NTM P/S



S&P 500 NTM P/B



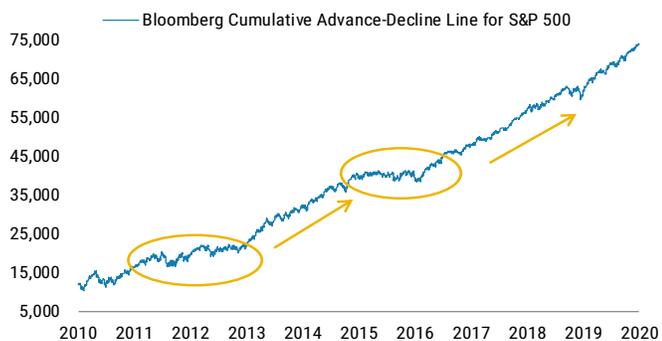
S&P 500 NTM EV/EBITDA



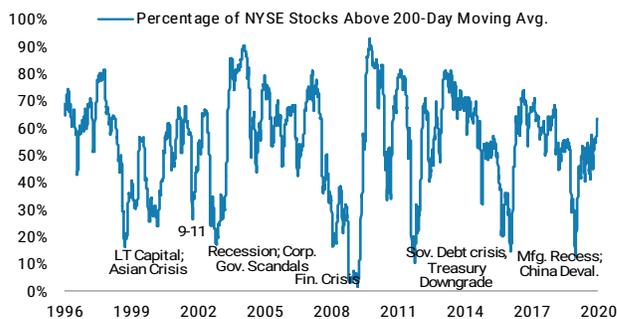
Source: FactSet, Morgan Stanley Research as of December 31, 2019. Monthly Data. Note: S&P 500 fundamental data used post March 1993; Top 500 by market cap data used before 1993.

Exhibit 18: US Equity Market Technicals and Financial Conditions

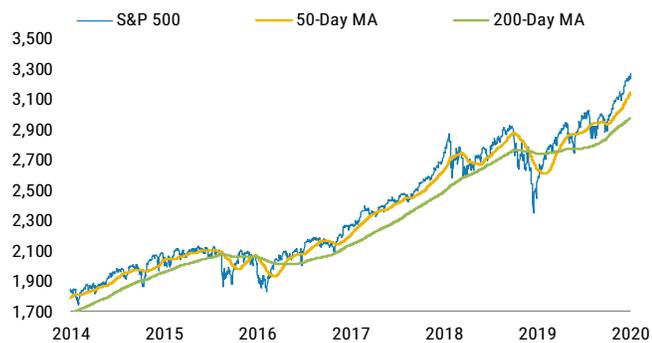
S&P 500 Cumulative Advance-Decline



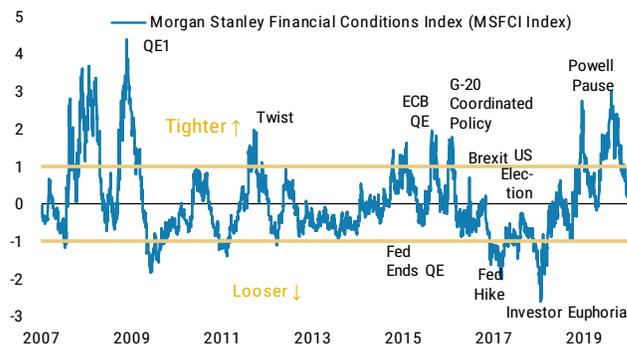
S&P 500 Percent Members Above 200-Day Moving Average



S&P 500 with Moving Averages

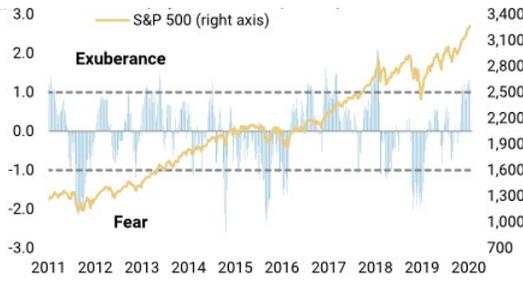


Morgan Stanley Financial Conditions Index



Source: Bloomberg, Morgan Stanley Research. All: As of January 9, 2020

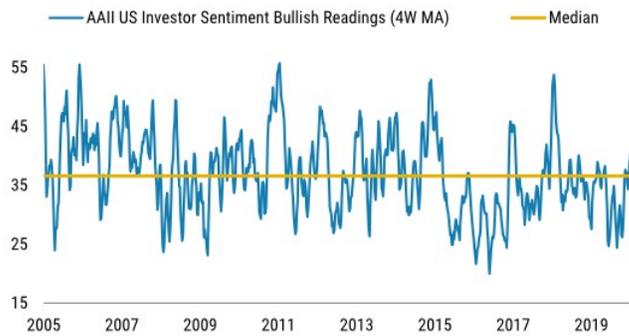
Exhibit 19: US Equity Market Sentiment



Indicator	Latest	% Bullish vs. Last Three Years
MS & Co. Standardized GRDI	0.5	~45%
US AAI % Bulls	33.1%	~40%
S&P 500 Mutual Fund Beta	1.1	~65%
S&P 500 30-Day Rel. Strength Index	65.9	~85%
% S&P 500 Members > 200-Day MA	83.8%	~95%
% S&P 500 >/< 200-Day MA	9.5%	~10%
S&P 500 Put/Call ¹	0.5	~95%
VIX Index ¹	12.6	~55%

0% 20% 40% 60% 80% 100%

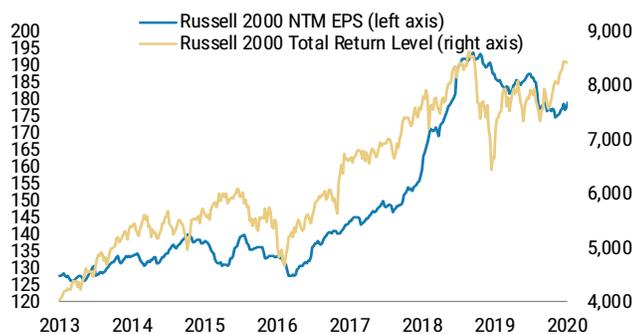
Fear Exuberance



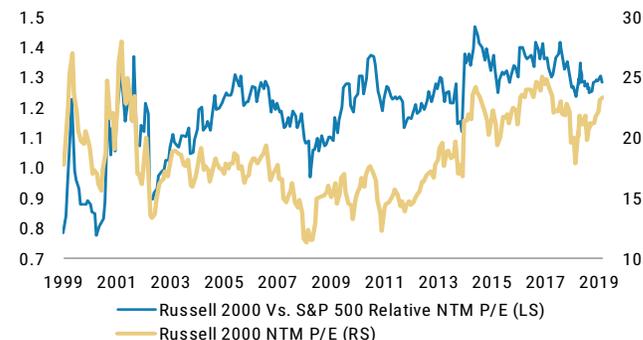
Source: Bloomberg, FactSet, Morgan Stanley Research. As of January 9, 2020.

Exhibit 20: US Small Cap Equities

Russell 2000 NTM EPS vs. Total Return Level



Russell 2000 NTM P/E and Relative NTM P/E vs. S&P 500



Russell 2000 Relative Performance vs. S&P 500



Source: FactSet, Morgan Stanley Research. Top Right: As of December 31, 2019. Top Left and Bottom: As of January 9, 2020

Exhibit 21: We Have a Mid 2020 Price Target of \$2,750

Morgan Stanley S&P 500 Price Target: Year End 2020

Landscape	Earnings	Multiple	Price Target	Upside / Downside
Bull Case	\$191	18.5x	3,500	6.9%
Base Case	\$185	17.5x	3,250	-0.8%
Bear Case	\$176	17.0x	3,000	-8.4%

Current S&P 500 Price as of: 1/9/2020 3,275

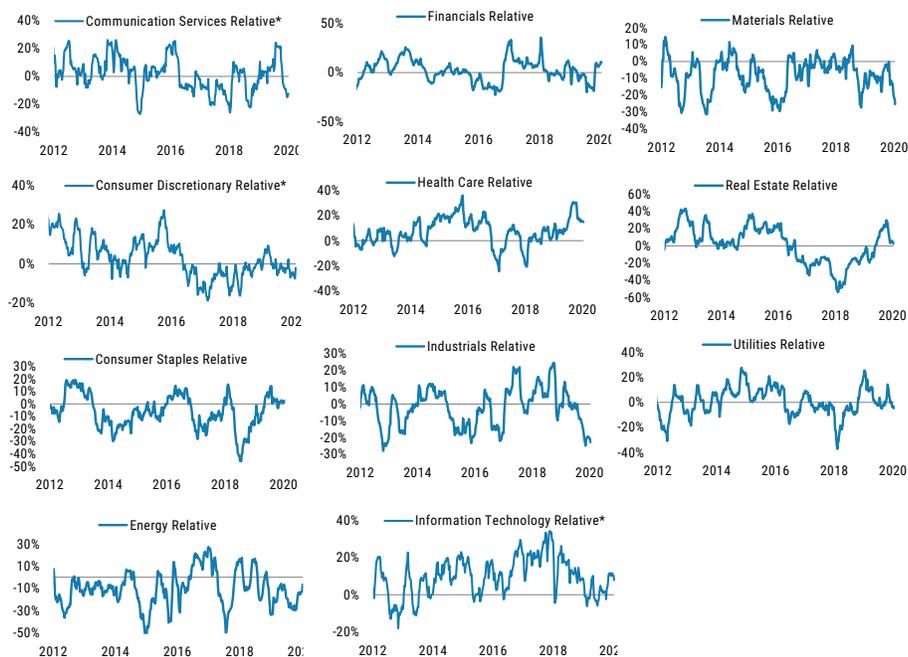
Source: Morgan Stanley Research.
Note: We apply a forward PE multiple to 2021 EPS estimates.

Exhibit 22: Sector Recommendations

Morgan Stanley Sector Recommendations			
Overweight	Consumer Staples	Financials	Utilities
Neutral	Comm Services	Energy	Health Care
	Industrials	Materials	Real Estate
Underweight	Discretionary	Technology	

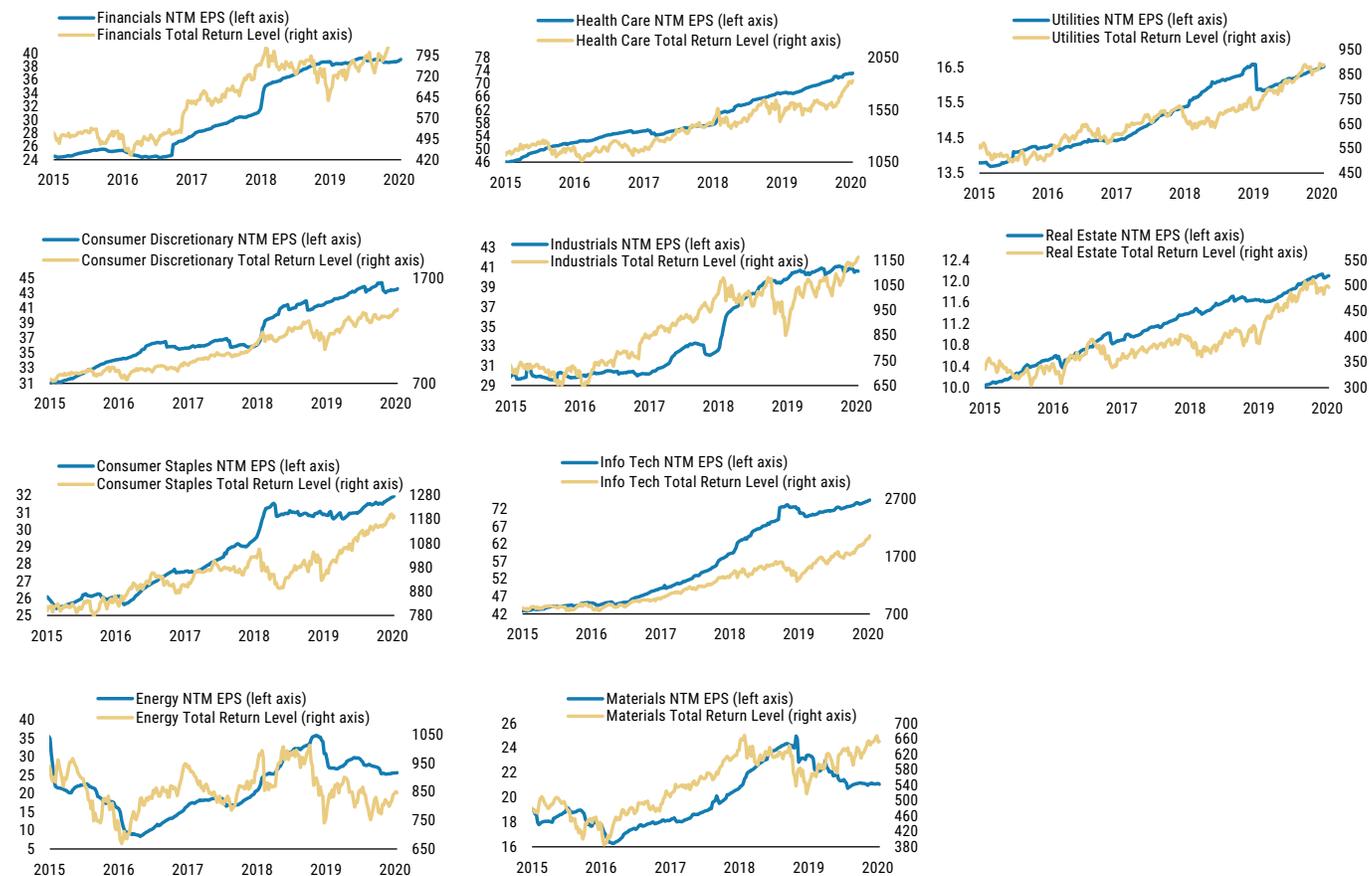
Source: Morgan Stanley Research

Exhibit 23: Earnings Revisions Breadth



Source: FactSet, Morgan Stanley Research. As of January 9, 2020. Sectors with * use current, fixed constituents.

Exhibit 24: US Sector NTM EPS vs. Total Return Level



Source: FactSet, Morgan Stanley Research as of January 10, 2020.

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STOCK RATING CATEGORY	COVERAGE UNIVERSE		INVESTMENT BANKING CLIENTS (IBC)			OTHER MATERIAL INVESTMENT SERVICES CLIENTS (MISC)	
	COUNT	% OF TOTAL	COUNT	% OF TOTAL IBC	% OF RATING CATEGORY	COUNT	% OF TOTAL OTHER MSC
Overweight/Buy	1151	36%	289	42%	25%	513	36%
Equal-weight/Hold	1464	46%	321	47%	22%	690	48%
Not-Rated/Hold	2	0%	1	0%	50%	2	0%
Underweight/Sell	561	18%	76	11%	14%	225	16%
TOTAL	3,178		687			1430	

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