



# Quarterly Considerations

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1Q 2021



## Disclosure

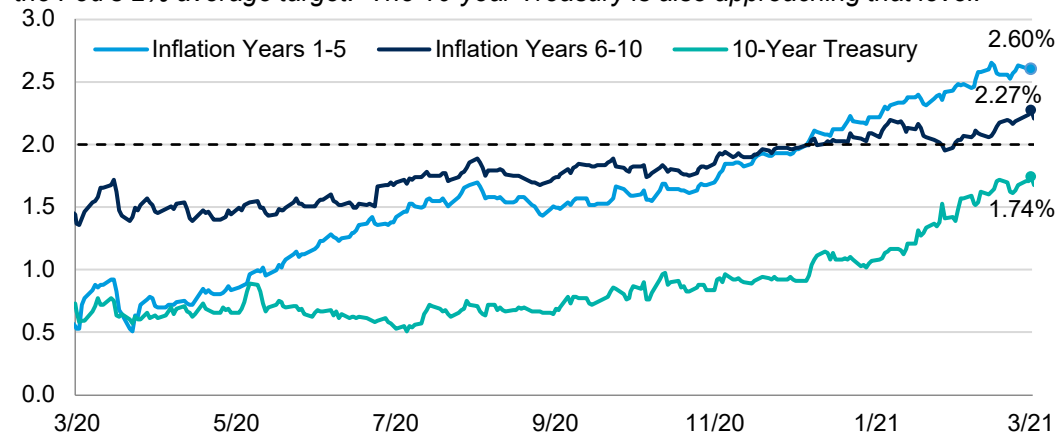
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# Market Themes

- The American Rescue Plan Act (ARPA) and advancing vaccination efforts may serve as a bridge to more sustained positive economic momentum.
- Both interest rates and inflation expectations trended higher as global growth accelerated.
- Market breadth was strong during the quarter led by a recovery among areas most afflicted by the pandemic.

## Inflation Expectations and Interest Rates

Inflation estimates are rising but at a moderating pace with longer-term projections around the Fed's 2% average target. The 10-year Treasury is also approaching that level.

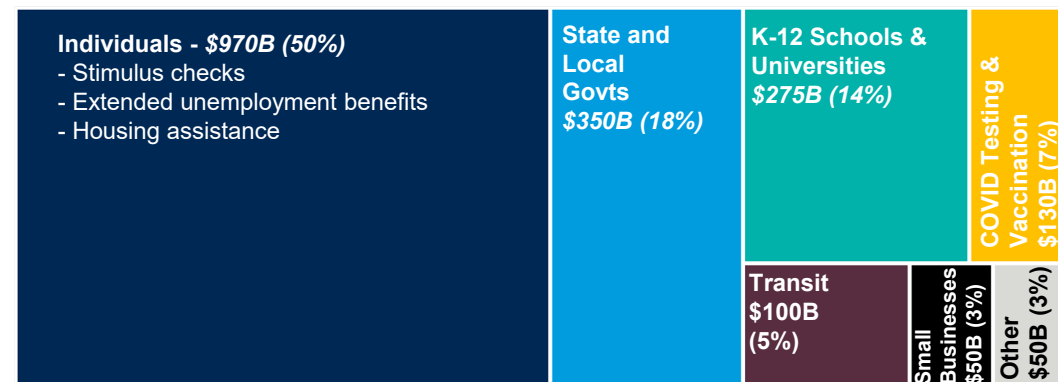


Sources: Bloomberg. Inflation Years 1-5: 5-Year Breakeven Inflation Rate. Inflation Years 6-10: 5 Year, 5 year Forward Breakeven Inflation Rate.

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## ARPA Stimulus Package Components

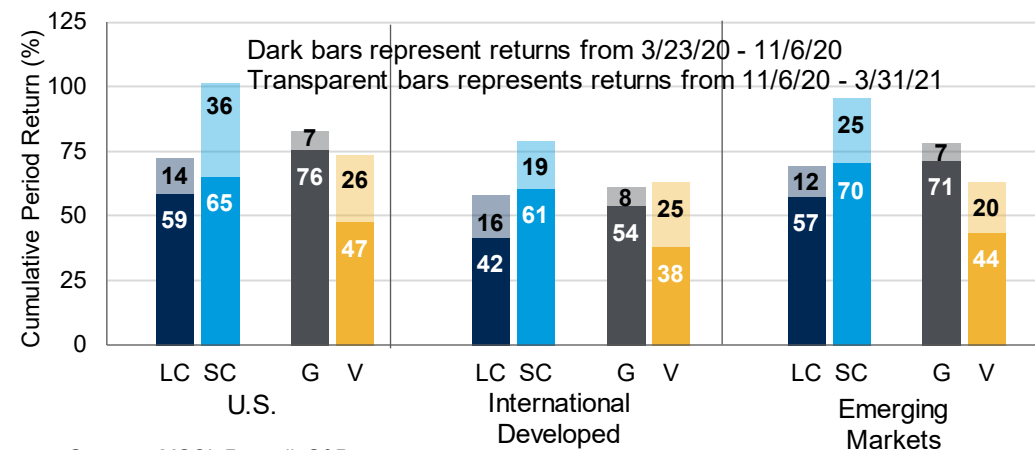
A majority of the recent stimulus package offers support to individuals via checks and extended unemployment benefits, which could encourage more consumer spending.



Congressional Budget Office; staff of the Joint Committee on Taxation (JCT).

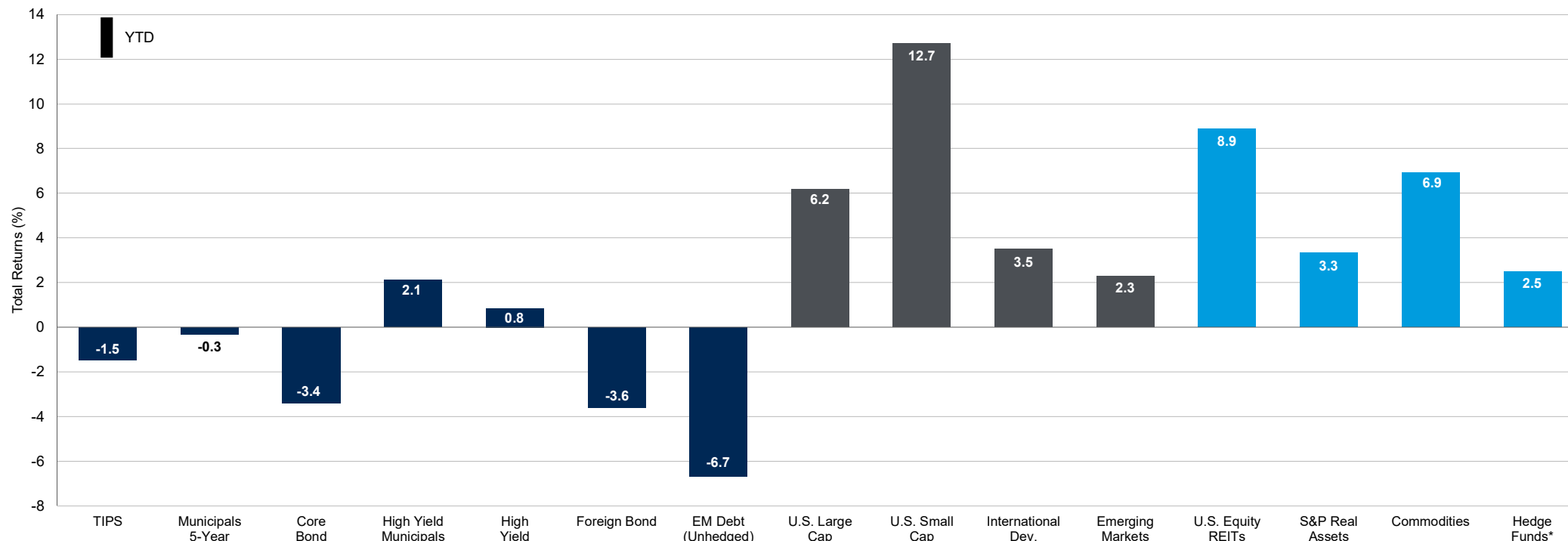
## Market Capitalization and Style Performance

Markets segments hardest hit by the pandemic and subsequent policy measures (e.g., small caps, financials, energy) have recently experienced the most noteworthy gains.



Sources: MSCI, Russell, S&P

# Asset Class Performance



\*Hedge fund returns are lagged 1 month. Sources: Bloomberg, J.P. Morgan, Russell, MSCI, FTSE Russell, Alerian. Hedge Funds returns as of 2/28/21. All other returns as of 3/31/21.

## Fixed Income (1Q 2021)

- Climbing intermediate and long-dated Treasury rates
- + Continued demand for bonds with higher yields benefitted spread sectors
- Dollar strength hurt emerging markets

## Equities (1Q 2021)

- + Continued vaccination efforts supported optimism for growth, particularly in the U.S.
- + Economically-sensitive stocks hardest hit by COVID-19 mitigation efforts led the rally
- Dollar strength hurt emerging markets

## Real Assets / Alternatives (1Q 2021)

- + Rebound in most REIT sectors, notably retail and residential
- + Higher inflation expectations and extreme cold weather supported oil prices

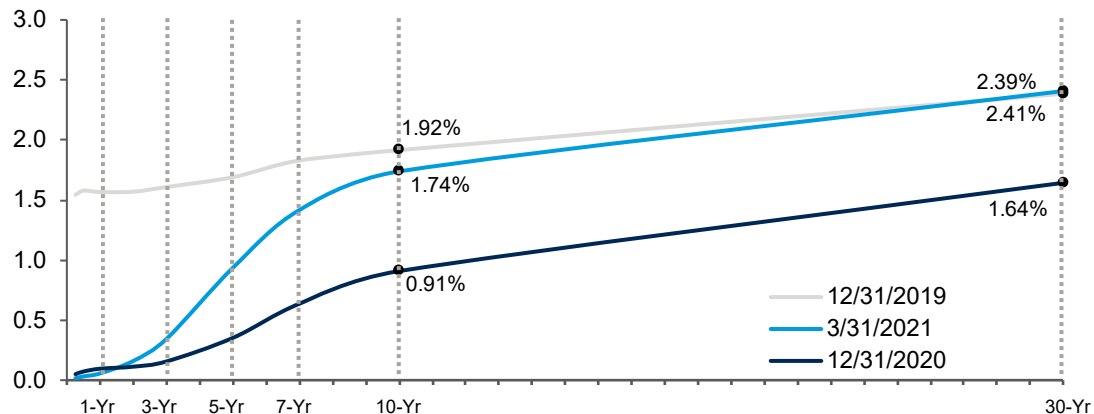
See disclosures for list of indices representing each asset class. Past performance does not indicate future performance and there is a possibility of a loss.



# Fixed Income Market Update

## U.S. Treasury Curve

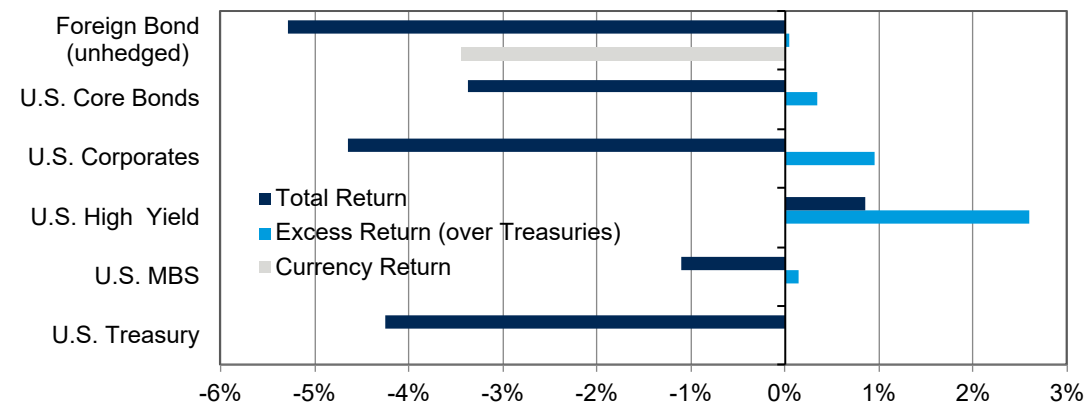
A sharp selloff in U.S. Treasuries left the 10-year and 30-year rates about 0.8% higher at quarter-end, reaching levels the market hasn't seen in over a year.



Source: Bloomberg

## Index Performance Attribution (1Q 2021)

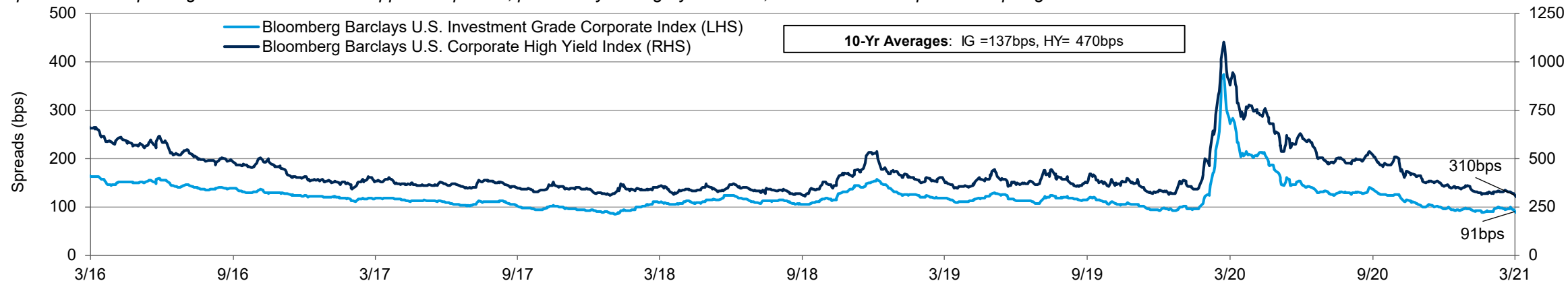
Rising Treasury yields hurt performance across fixed income indices, but tightening spreads offset some weakness, particularly in riskier parts of the market.



Source: Bloomberg

## Credit Market Spreads – Trailing 5 Years

Despite volatile and rising Treasury yields and robust corporate bond issuance, spreads tightened modestly benefiting from the continued demand for yield in fixed income markets. Vaccine optimism and improving economic data also supported spreads, particularly the high-yield index, which closed the quarter 50bps tighter.



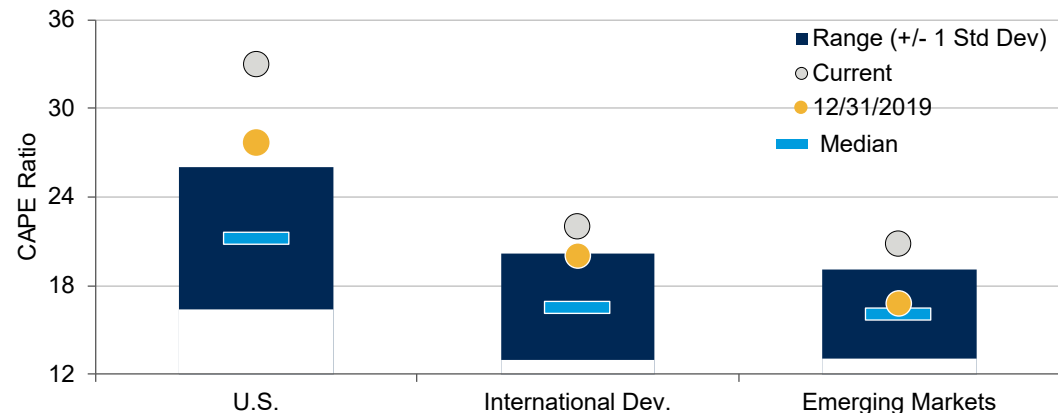
Source: Bloomberg

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# Equity Market Update

## Equity Valuations (Trailing 15 Years)

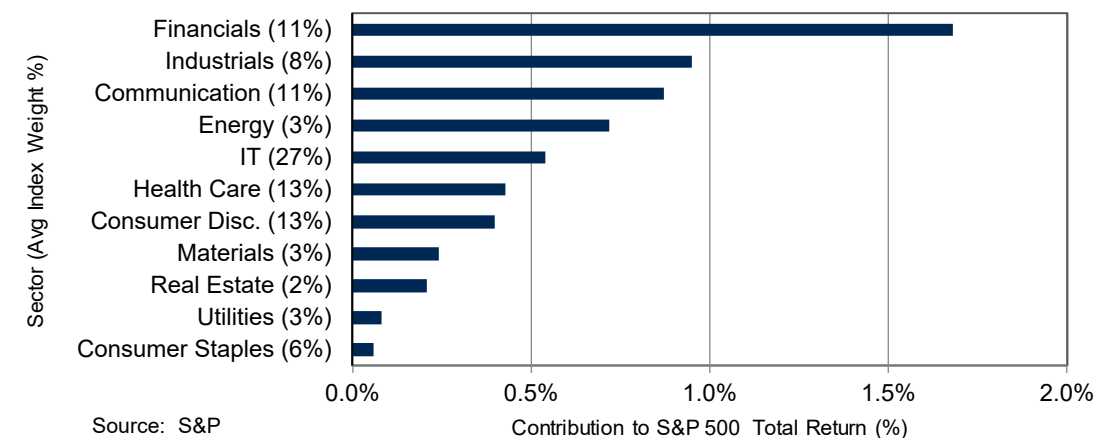
Another positive quarter for global equity returns pushed valuations even higher, and now all markets are trading above historical ranges (+/- 1 standard deviation).



Source: MSCI as of 3/31/21. U.S = USA Price Return USD Index, Int. Dev = World Excluding United States Index, EM = Emerging Markets Index.

## U.S. Equities – Contribution to Return by Sector (1Q 2021)

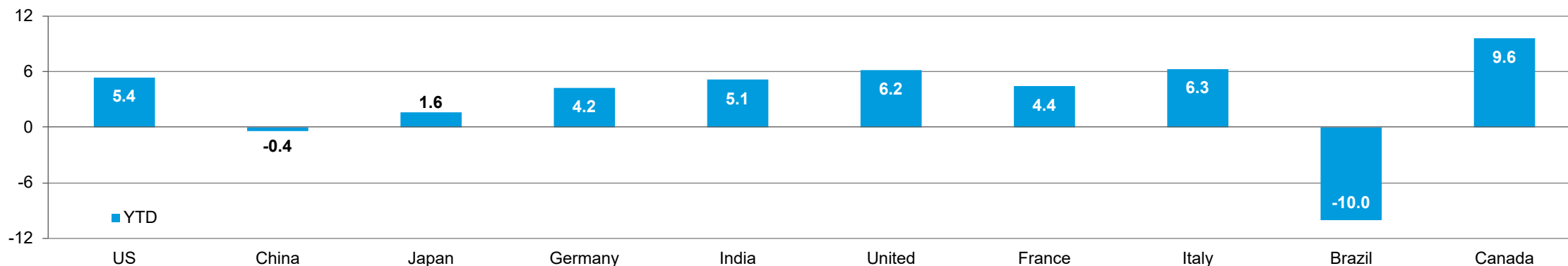
Stocks advanced across industries led by financials, particularly banks, which benefit from higher Treasury rates that support higher loan rates.



Source: S&P

## Country Total Returns (%) – Top 10 Largest Economies

Most developed economies led the first quarter rally while some emerging economies struggled. Some Chinese companies within the consumer industry stumbled on increased concerns of more regulation. Brazil's political troubles and battle with COVID continue to challenge the country.



Source: MSCI

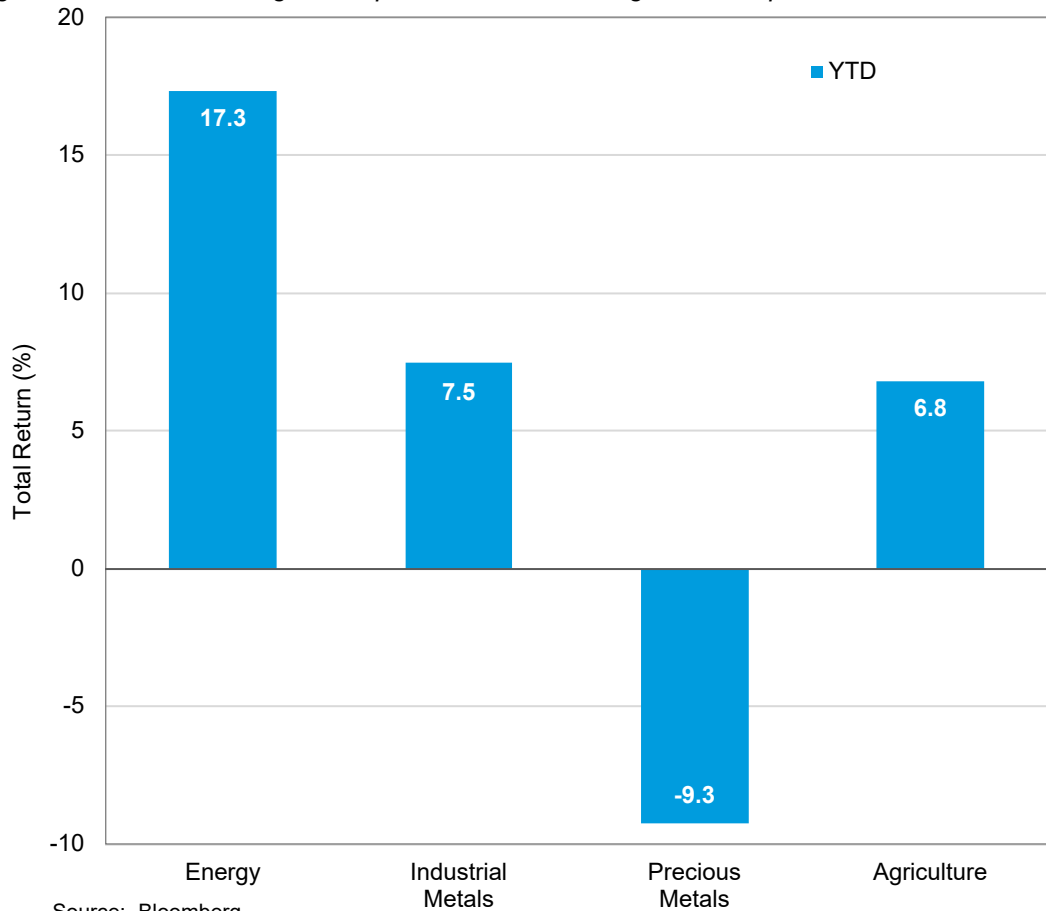
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# Real Assets / Alternatives Market Update

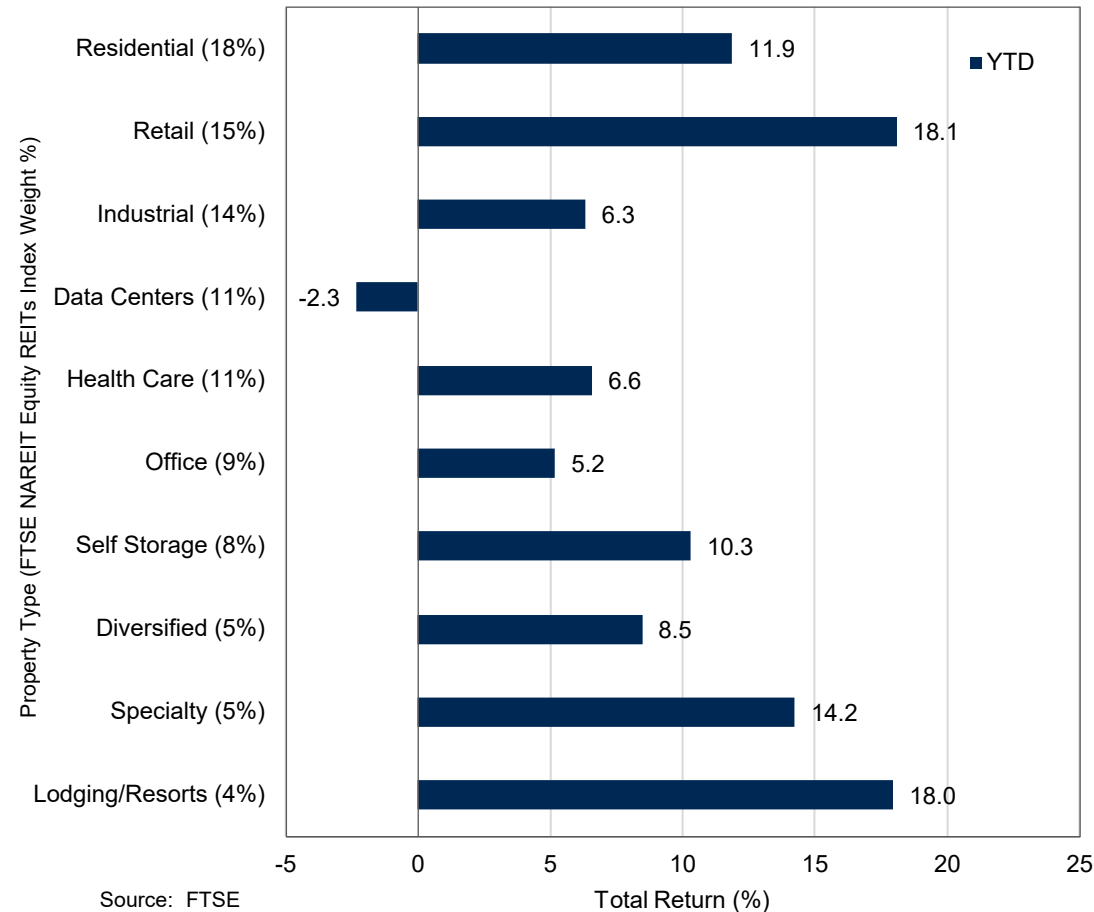
## Real Assets Performance

While rising inflation expectations benefitted commodities in aggregate, accelerating growth and inflation weighed on precious metals through the first quarter.



## REIT Sector Performance

Most REIT sectors generated positive returns in the first quarter on continued vaccine optimism and in anticipation of more economic reopening in the U.S.

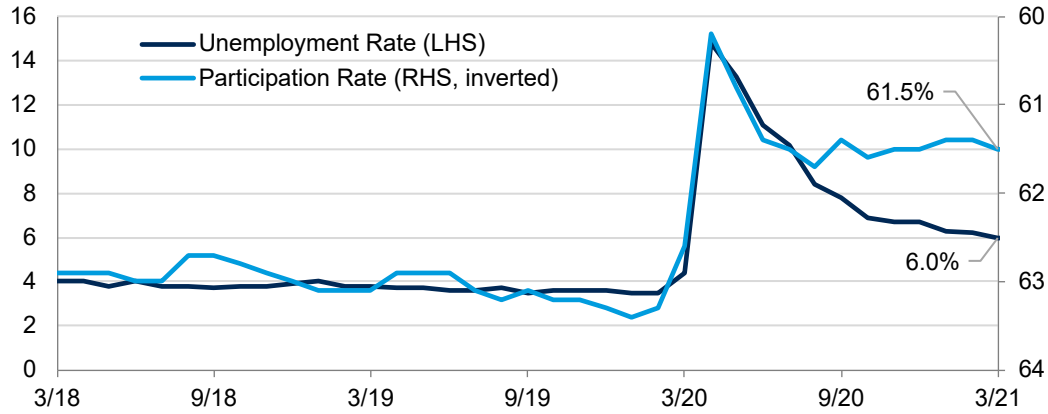


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# Economic Review

## Labor Market Conditions

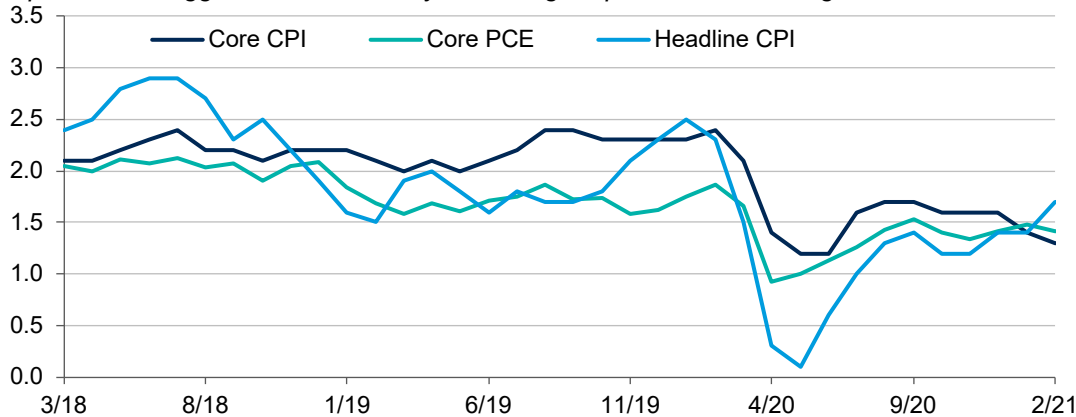
Falling unemployment should support consumer spending (~2/3<sup>rd</sup> of GDP); however, the participation rate remains below average, which could dampen inflation pressures.



Source: Bureau of Labor Statistics (BLS)

## U.S Inflation

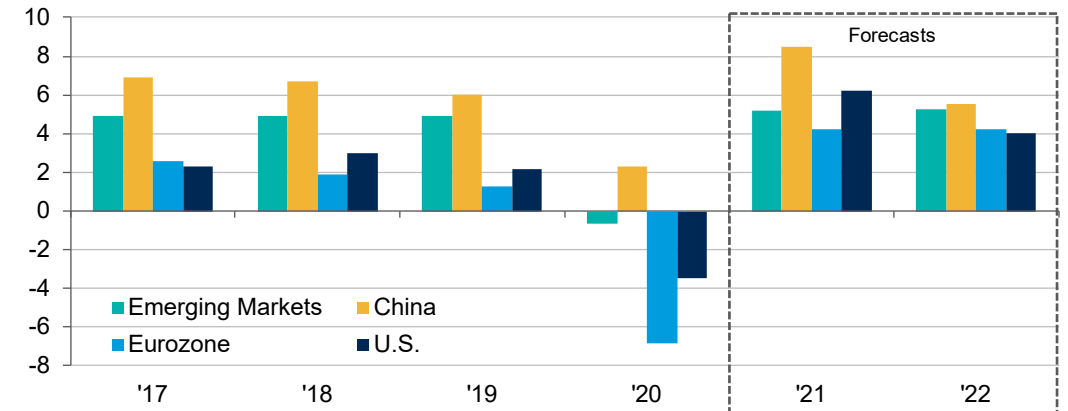
Current inflation measures are still running below the Fed's average 2% target, but rising expectations suggest that we're likely to see higher prints in the coming months.



Sources: Bureau of Labor Statistics (BLS), Bureau of Economic Analysis (BEA). Subject to one-month lag

## Real GDP Growth (YoY)

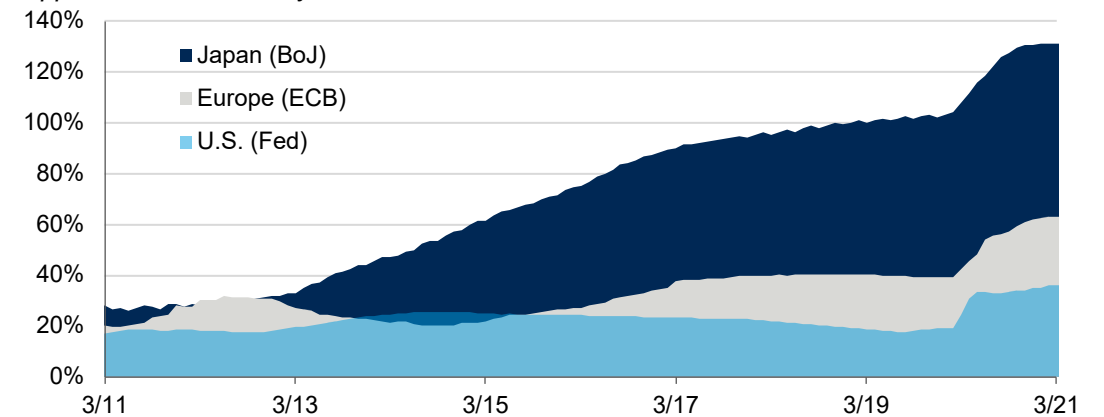
Strong GDP growth is expected in the coming years across all major regions, most notably in China as one of the first countries to emerge from the pandemic-induced shutdown.



Source: Bloomberg. Forecasts based on Bloomberg survey.

## Central Bank Balance Sheets as a Percentage of GDP

Despite unprecedented levels of monetary easing, the Fed has a lot more policy room to support economic activity.



Source: Bloomberg





# The Case for Diversification

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	10Yr (Ann)
TIPS 13.6	Emerging Markets 18.2	U.S. Small Cap 38.8	U.S. Equity REITs 30.1	U.S. Equity REITs 3.2	U.S. Small Cap 21.3	Emerging Markets 37.3	High Yield Munis 4.8	U.S. Large Cap 31.5	U.S. Small Cap 20.0	U.S. Small Cap 12.7	U.S. Large Cap 13.9
High Yield Munis 9.3	High Yield Munis 18.1	U.S. Large Cap 32.4	High Yield Munis 13.8	Municipals 5-Year 2.4	High Yield 17.1	International Dev. 25.0	Municipals 5-Year 1.7	U.S. Equity REITs 26.0	U.S. Large Cap 18.4	U.S. Equity REITs 8.9	U.S. Small Cap 11.7
U.S. Equity REITs 8.3	U.S. Equity REITs 18.1	International Dev. 22.8	U.S. Large Cap 13.7	High Yield Munis 1.8	U.S. Large Cap 12.0	U.S. Large Cap 21.8	Foreign Bond 0.5	U.S. Small Cap 25.5	Emerging Markets 18.3	Commodities 6.9	U.S. Equity REITs 8.6
Core Bond 7.8	International Dev. 17.3	Balanced 12.2	Core Bond 6.0	U.S. Large Cap 1.4	Commodities 11.7	EM Debt (unhedged) 15.2	Core Bond 0.0	International Dev. 22.5	TIPS 11.0	U.S. Large Cap 6.2	High Yield Munis 7.1
Municipals 5-Year 6.9	EM Debt (unhedged) 16.9	Hedge Funds 9.0	Balanced 5.1	Core Bond 0.6	Emerging Markets 11.2	U.S. Small Cap 14.6	TIPS -1.3	Emerging Markets 18.4	Balanced 8.8	International Dev. 3.5	High Yield 6.5
High Yield 5.0	U.S. Small Cap 16.3	High Yield 7.4	U.S. Small Cap 4.9	Hedge Funds -0.3	EM Debt (unhedged) 9.9	Balanced 13.6	High Yield -2.1	Balanced 17.5	International Dev. 7.8	Emerging Markets 2.3	Balanced 6.2
Foreign Bond 4.2	U.S. Large Cap 16.0	U.S. Equity REITs 2.5	TIPS 3.6	International Dev. -0.8	U.S. Equity REITs 8.5	High Yield Munis 9.7	Hedge Funds -4.0	High Yield 14.3	Core Bond 7.5	Hedge Funds 2.2	International Dev. 5.5
U.S. Large Cap 2.1	High Yield 15.8	Municipals 5-Year 0.8	Hedge Funds 3.4	TIPS -1.4	Balanced 7.6	Hedge Funds 7.8	U.S. Large Cap -4.4	EM Debt (unhedged) 13.5	Hedge Funds 7.1	High Yield Munis 2.1	Emerging Markets 3.6
Balanced 0.9	Balanced 11.5	Foreign Bond -1.0	Municipals 5-Year 3.2	Foreign Bond -2.3	TIPS 4.7	High Yield 7.5	U.S. Equity REITs -4.6	High Yield Munis 10.7	High Yield 7.1	Balanced 1.9	Hedge Funds 3.5
EM Debt (unhedged) -1.8	TIPS 7.0	Core Bond -2.0	Foreign Bond 2.9	Balanced -3.3	Foreign Bond 3.2	Foreign Bond 6.5	Balanced -5.8	Core Bond 8.7	Foreign Bond 7.0	High Yield 0.8	TIPS 3.4
U.S. Small Cap -4.2	Foreign Bond 5.3	Emerging Markets -2.6	High Yield 2.5	U.S. Small Cap -4.4	High Yield Munis 3.0	U.S. Equity REITs 5.2	EM Debt (unhedged) -6.2	TIPS 8.4	High Yield Munis 4.9	Municipals 5-Year -0.3	Core Bond 3.4
Hedge Funds -5.7	Hedge Funds 4.8	High Yield Munis -5.5	Emerging Markets -2.2	High Yield -4.5	Core Bond 2.6	Core Bond 3.5	U.S. Small Cap -11.0	Hedge Funds 7.8	Municipals 5-Year 4.3	TIPS -1.5	Municipals 5-Year 2.9
Commodities -13.3	Core Bond 4.2	TIPS -8.6	International Dev. -4.9	Emerging Markets -14.9	International Dev. 1.0	Municipals 5-Year 3.1	Commodities -11.2	Commodities 7.7	EM Debt (unhedged) 2.7	Core Bond -3.4	Foreign Bond 2.8
International Dev. -12.1	Municipals 5-Year 3.0	EM Debt (unhedged) -9.0	EM Debt (unhedged) -5.7	EM Debt (unhedged) -14.9	Hedge Funds 0.5	TIPS 3.0	International Dev. -13.8	Foreign Bond 6.3	Commodities -3.1	Foreign Bond -3.6	EM Debt (unhedged) 0.5
Emerging Markets -18.4	Commodities -1.1	Commodities -9.5	Commodities -17.0	Commodities -24.7	Municipals 5-Year -0.4	Commodities 1.7	Emerging Markets -14.6	Municipals 5-Year 5.4	U.S. Equity REITs -8.0	EM Debt (unhedged) -6.7	Commodities -6.3

Source: Bloomberg as of 3/31/21. See disclosures for list of indices representing each asset class. Past performance does not indicate future performance and there is a possibility of a loss.

# Financial Markets Performance



Global Fixed Income Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Bloomberg Barclays 1-3-Month T-Bill	0.0%	0.0%	0.1%	1.4%	1.1%	0.8%	0.6%	1.1%
Bloomberg Barclays U.S. TIPS	-1.5%	-1.5%	7.5%	5.7%	3.9%	3.4%	3.4%	4.4%
Bloomberg Barclays Municipal Bond (5 Year)	-0.3%	-0.3%	5.1%	3.9%	2.5%	2.6%	2.9%	3.7%
Bloomberg Barclays High Yield Municipal Bond	2.1%	2.1%	15.0%	7.3%	6.4%	6.3%	7.1%	5.4%
Bloomberg Barclays U.S. Aggregate	-3.4%	-3.4%	0.7%	4.7%	3.1%	3.3%	3.4%	4.3%
Bloomberg Barclays U.S. Corporate High Yield	0.8%	0.8%	23.7%	6.8%	8.1%	5.4%	6.5%	7.4%
Bloomberg Barclays Global Aggregate ex-U.S. Hedged	-1.9%	-1.9%	1.5%	3.9%	3.3%	4.0%	4.2%	4.2%
Bloomberg Barclays Global Aggregate ex-U.S. Unhedged	-5.3%	-5.3%	7.2%	1.1%	2.1%	0.9%	1.3%	3.3%
Bloomberg Barclays U.S. Long Gov / Credit	-10.4%	-10.4%	-2.1%	7.1%	5.5%	6.1%	7.0%	6.9%
JPMorgan GBI-EM Global Diversified	-6.7%	-6.7%	13.0%	-0.8%	3.1%	0.2%	0.5%	4.3%
Global Equity Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
S&P 500	6.2%	6.2%	56.3%	16.8%	16.3%	13.6%	13.9%	10.0%
Dow Jones Industrial Average	8.3%	8.3%	53.8%	13.6%	16.0%	13.1%	13.1%	10.3%
NASDAQ Composite	3.0%	3.0%	73.5%	24.6%	23.5%	19.2%	18.3%	13.5%
Russell 3000	6.3%	6.3%	62.5%	17.1%	16.6%	13.4%	13.8%	10.0%
Russell 1000	5.9%	5.9%	60.6%	17.3%	16.6%	13.6%	14.0%	10.2%
Russell 1000 Growth	0.9%	0.9%	62.7%	22.8%	21.0%	17.5%	16.6%	12.4%
Russell 1000 Value	11.2%	11.2%	56.1%	10.9%	11.7%	9.4%	11.0%	7.7%
Russell Mid Cap	8.1%	8.1%	73.6%	14.7%	14.7%	11.6%	12.5%	9.8%
Russell Mid Cap Growth	-0.6%	-0.6%	68.6%	19.4%	18.4%	14.4%	14.1%	10.9%
Russell Mid Cap Value	13.0%	13.0%	73.7%	10.7%	11.6%	9.3%	11.1%	8.6%
Russell 2000	12.7%	12.7%	94.8%	14.7%	16.3%	11.0%	11.7%	8.8%
Russell 2000 Growth	4.9%	4.9%	90.2%	17.1%	18.6%	12.7%	13.0%	10.0%
Russell 2000 Value	21.2%	21.2%	97.0%	11.5%	13.5%	8.9%	10.0%	7.4%
MSCI ACWI	4.6%	4.6%	54.6%	12.1%	13.2%	9.4%	9.1%	7.0%
MSCI ACWI ex. U.S.	3.5%	3.5%	49.4%	6.5%	9.8%	5.3%	4.9%	4.5%
MSCI EAFE	3.5%	3.5%	44.6%	6.0%	8.8%	4.8%	5.5%	4.1%
MSCI EAFE Growth	-0.6%	-0.6%	42.6%	9.8%	10.8%	7.2%	7.2%	5.5%
MSCI EAFE Value	7.4%	7.4%	45.7%	1.8%	6.6%	2.2%	3.7%	2.6%
MSCI EAFE Small Cap	4.5%	4.5%	62.0%	6.3%	10.5%	7.4%	8.0%	5.7%
MSCI Emerging Markets	2.3%	2.3%	58.4%	6.5%	12.1%	6.6%	3.7%	5.9%
Alternatives	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Consumer Price Index*	0.6%	0.6%	2.0%	1.8%	2.0%	1.6%	1.7%	1.9%
FTSE NAREIT Equity REITs	8.9%	8.9%	37.8%	9.5%	5.3%	7.7%	8.6%	6.1%
S&P Developed World Property x U.S.	2.2%	2.2%	33.8%	3.1%	5.4%	5.2%	6.0%	4.2%
S&P Developed World Property	5.6%	5.6%	35.9%	6.1%	5.2%	6.2%	7.1%	4.9%
Bloomberg Commodity Total Return	6.9%	6.9%	35.0%	-0.2%	2.3%	-5.8%	-6.3%	-3.4%
HFRI Fund of Funds Composite*	2.2%	2.2%	24.3%	5.6%	5.7%	3.9%	3.5%	2.8%
HFRI Fund Weighted Composite*	5.3%	5.3%	33.1%	7.4%	7.4%	5.2%	4.6%	4.7%
Alerian MLP	22.0%	22.0%	103.1%	-3.0%	-1.3%	-6.5%	-0.9%	4.6%

\*One month lag.

Source: Bloomberg as of 3/31/21. Total returns as of 3/31/21. Periods greater than 1 year are annualized. All returns are in U.S. dollar terms. Past performance does not indicate future performance and there is a possibility of a loss.

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When referencing asset class returns or statistics, the following indices are used to represent those asset classes, unless otherwise notes. Each index is unmanaged and investors can not actually invest directly into an index:

TIPS: Bloomberg Barclays Global Inflation-Linked: U.S. TIPS Total Return Index Unhedged  
Municipals 5-Year: Bloomberg Barclays Municipal Bond 5 Year (4-6) Total Return Index Unhedged USD  
Core Bond: Bloomberg Barclays US Agg Total Return Value Unhedged USD  
High Yield Municipals: Bloomberg Barclays Muni High Yield Total Return Index Value Unhedged USD  
High Yield: Bloomberg Barclays US Corporate High Yield Total Return Index Value Unhedged USD  
Foreign Bond: Bloomberg Barclays Global Aggregate ex-USD Total Return Index Value USD (50/50 blend of hedged and unhedged)  
EM Debt (unhedged): J.P. Morgan GBI-EM Global Diversified Composite Unhedged USD  
U.S. Large Cap: S&P 500 Total Return Index  
U.S. Small Cap : Russell 2000 Total Return Index  
International Developed: MSCI EAFE Net Total Return USD Index  
Emerging Markets: MSCI Emerging Markets Net Total Return USD Index  
World: MSCI ACWI Net Total Return USD Index  
U.S. Equity REITs: FTSE Nareit Equity REITs Total Return Index USD  
S&P Real Assets: S&P Real Assets Total Return Index  
Commodities: Bloomberg Commodity Total Return Index  
Hedge Funds: Hedge Fund Research HFRI Fund of Funds Composite Index  
Balanced: 3% TIPS, 33% Core Bond, 4% High Yield , 2% Foreign Bond. 2% EM Debt (unhedged), 18% U.S. Large Cap, 6% U.S. Small Cap, 16% International, 8% Emerging Markets, 5% U.S. Equity REITS, 3% Commodities  
U.S.: MSCI USA Net Total Return USD Index  
China: MSCI CHINA Net Total Return USD Index  
Japan: MSCI Japan Net Total Return USD Index  
Germany: MSCI Germany Net Total Return USD Index  
India: MSCI India Net Total Return USD Index  
United Kingdom: MSCI UK Net Total Return USD Index  
France: MSCI France Net Total Return USD Index  
Italy: MSCI Italy Net Total Return USD Index  
Brazil: MSCI Brazil Net Total Return USD Index  
Canada: MSCI Canada Net Total Return USD Index

