

# S&P Dow Jones Indices

A Division of S&P Global

# INDEX INVESTMENT STRATEGY: Daily Index Dashboard

September 17, 2019

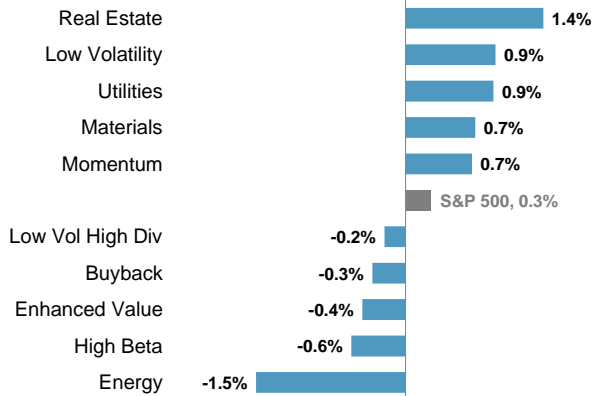
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E-mail [chris.bennett@spglobal.com](mailto:chris.bennett@spglobal.com) to receive daily commentary

## HEADLINE INDICES

INDEX	Daily	MTD	YTD	12M
<b>U.S. Equity</b>				
S&P 500®	0.26%	2.82%	21.67%	6.18%
S&P MidCap 400®	-0.33%	4.26%	19.24%	-1.73%
S&P SmallCap 600®	-0.26%	6.38%	16.81%	-7.76%
S&P Composite 1500®	0.21%	3.00%	21.38%	5.22%
S&P Total Market Index (TMI)	0.21%	2.97%	21.52%	4.82%
Dow Jones Industrial Average®	0.13%	2.79%	18.35%	6.56%

### Daily Leaders & Laggards: S&P 500 Sectors & Factors



Global Equity (USD)	Daily	MTD	YTD	12M
<b>S&amp;P Global BMI</b>	0.11%	3.22%	17.39%	3.26%
S&P Developed BMI	0.21%	3.23%	18.31%	3.03%
S&P Emerging BMI	-0.81%	3.07%	9.68%	5.75%
S&P Frontier BMI	-0.16%	-1.54%	8.75%	4.94%
S&P Developed Ex-US BMI	0.21%	3.63%	13.72%	0.40%
<b>S&amp;P Global 1200</b>	0.29%	3.30%	18.77%	4.76%
S&P 500	0.26%	2.82%	21.67%	6.18%
S&P/TOPIX 150	0.03%	5.30%	13.94%	0.92%
S&P Latin America 40	1.12%	6.10%	7.51%	11.99%
S&P Europe 350®	0.48%	3.36%	14.69%	1.41%
S&P/ASX All Australian 50	-0.16%	3.88%	19.92%	10.83%
S&P Asia 50	-0.90%	5.13%	9.00%	1.92%
S&P/TSX 60	0.42%	2.84%	23.40%	7.21%

Global Equity (Local Currency)	Daily	MTD	YTD	12M
S&P Merval (ARS)	-1.34%	22.52%	-0.47%	-3.23%
S&P/TOPIX 150 (JPY)	0.16%	7.15%	11.36%	-2.43%
S&P South Africa Composite (ZAR)	-2.54%	6.96%	7.76%	6.07%
S&P Korea BMI (KRW)	-0.01%	5.03%	3.40%	-8.02%
S&P/HKEX LargeCap (HKD)	-1.14%	4.18%	6.25%	2.36%
S&P Germany BMI (EUR)	-0.17%	3.28%	15.94%	-0.45%
S&P China 500 (CNY)	-1.00%	2.98%	23.52%	15.47%
S&P Europe 350 (EUR)	-0.03%	2.67%	18.75%	7.11%
S&P/TSX Composite (CAD)	0.50%	2.57%	20.13%	8.08%
S&P/BVL LIMA 25 (PEN)	0.08%	2.37%	-7.32%	-5.32%
S&P France BMI (EUR)	0.32%	2.23%	21.48%	6.89%
S&P/BMV IPC (MXN)	1.42%	1.98%	6.87%	-9.26%
S&P/ASX 200 (AUD)	0.33%	1.91%	22.64%	12.98%
S&P United Kingdom (GBP)	0.01%	1.84%	12.98%	5.54%
S&P/NZX 50 Portfolio (NZD)	0.40%	1.40%	22.97%	17.56%
S&P Switzerland BMI (CHF)	0.55%	0.61%	23.61%	14.41%
S&P BSE SENSEX (INR)	-1.73%	-2.28%	2.17%	-1.71%

### Case-Shiller (as of Jun 2019)

	1M	6M	12M
S&P CoreLogic Case-Shiller US National	0.58%	2.81%	3.13%

INDEX	Yield	Daily	MTD	YTD	12M
<b>U.S. Fixed Income</b>					
S&P U.S. Aggregate Bond	2.41%	0.11%	-1.13%	6.55%	7.97%
S&P U.S. Treasury Current 2-Year	1.74%	0.05%	-0.37%	2.65%	4.03%
S&P U.S. Treasury Current 10-Year	1.81%	0.34%	-2.70%	9.37%	13.17%
S&P 500/MarketAxess IG Corp Bond	3.01%	0.21%	-1.98%	12.32%	11.92%
S&P 500 High Yield Corporate Bond	3.96%	0.14%	-0.52%	13.18%	10.59%
S&P/LSTA U.S. Leveraged Loan 100	5.95%	-0.01%	0.93%	8.48%	4.07%

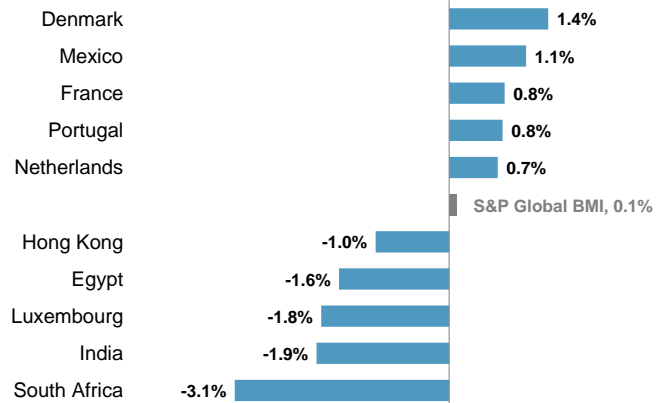
### Global Fixed Income

S&P Japan Sovereign Bond (JPY)	-0.10%	-0.06%	-1.38%	2.26%	3.31%
S&P Canada Sovereign Bond (CAD)	1.60%	0.22%	-1.43%	4.12%	6.37%
S&P/ASX Australian Gov. Bond (AUD)	1.06%	0.40%	-1.52%	9.50%	12.42%
S&P U.K. Gilt (GBP)	0.81%	0.00%	-1.65%	8.92%	10.48%
S&P Global Dev. Sov. Bond (USD)	0.70%	0.09%	-1.70%	4.80%	5.98%
S&P Germany Sovereign Bond (EUR)	-0.54%	-0.09%	-1.75%	4.77%	6.14%

### Currencies

Dow Jones FXCM Dollar Index		-0.20%	-0.56%	1.10%	1.93%
GBP/USD (1.2483)		0.52%	2.50%	-1.98%	-5.09%
EUR/USD (1.1049)		0.47%	0.34%	-3.34%	-5.47%
USD/JPY (108.21)		0.18%	1.94%	-1.38%	-3.34%
USD/CAD (1.3267)		-0.08%	0.15%	2.94%	-1.79%
AUD/USD (0.6857)		-0.06%	1.78%	-2.59%	-4.50%

### Daily Leaders & Laggards: S&P Global BMI (USD)



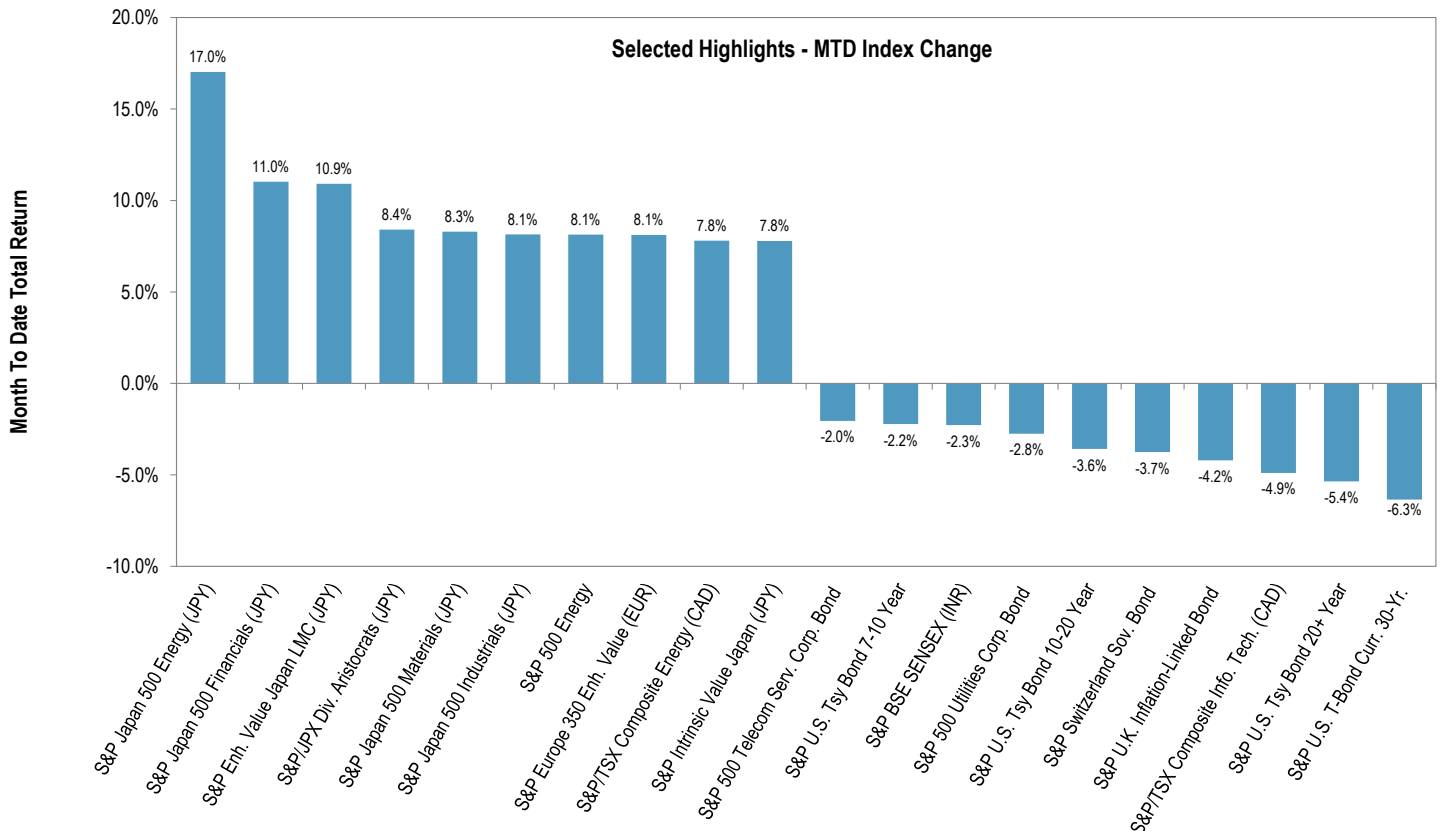
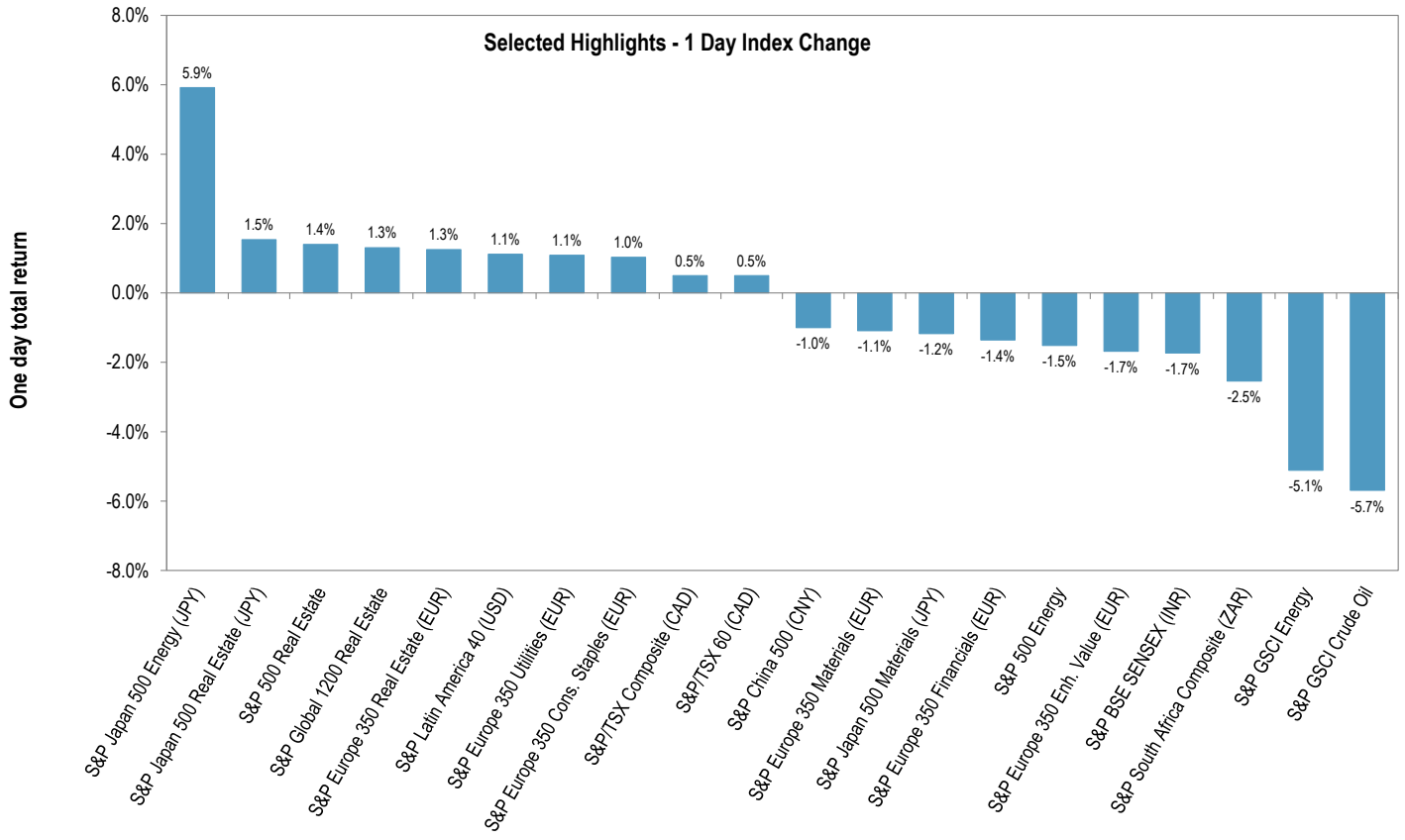
Commodities	Daily	MTD	YTD	12M
Dow Jones Commodity Index	-1.98%	4.17%	7.55%	2.06%
<b>S&amp;P GSCI</b>	-3.53%	5.97%	13.11%	-8.48%
Energy	-5.11%	8.78%	25.46%	-11.11%
Crude Oil	-5.69%	7.51%	29.05%	-14.52%
Copper	-0.85%	2.48%	-1.42%	-0.16%
Livestock	-0.46%	2.07%	-11.35%	-10.11%
Agriculture	-1.33%	2.07%	-8.67%	-7.82%
Industrial Metals	-0.73%	1.90%	2.04%	-0.88%
Gold	0.13%	-0.95%	17.27%	24.83%
Precious Metals	0.18%	-0.96%	17.11%	24.96%

### Volatility

Cboe Volatility Index/ VIX® (14.44)	-1.57%	-23.92%	-43.19%	5.56%
S&P/ASX 200 VIX (12.25)	-2.75%	-14.67%	-31.70%	-4.56%
S&P/JPX JGB VIX (2.78)	8.17%	16.32%	66.47%	122.4%
S&P 500 VIX Short-Term Futures	-1.13%	-14.44%	-50.09%	-17.43%
S&P 500 VIX Mid-Term Futures	0.63%	-2.24%	-12.52%	12.49%
S&P 500 1-Month Realized Volatility (14.32)	-5.35%	-36.82%	-50.06%	147.6%
S&P/BMV IPC VIX (16.41)	-0.33%	1.05%	-22.32%	12.82%
S&P/TSX 60 VIX (11.86)	-3.34%	-11.09%	-52.52%	-16.01%

Source: S&P Dow Jones Indices LLC and/or its affiliates. Index performance based on total return. (1) Indicates delayed data. (2) Indicates Sunday trading. Returns are in USD unless otherwise stated. Numbers in brackets are the most recent closing price level for the corresponding index. 12M returns are calculated with reference to latest index level available exactly one calendar year prior to the calculation date. See disclaimer for further information

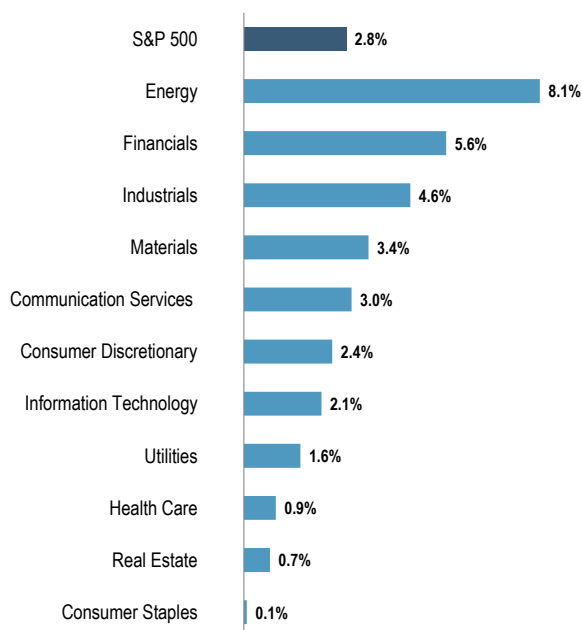
MOVERS AND SHAKERS



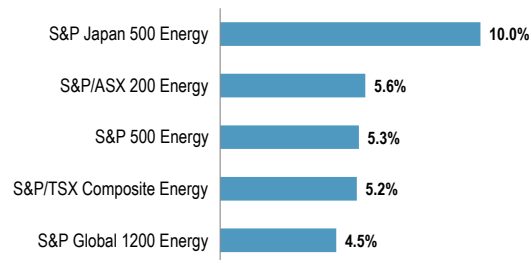
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EQUITY SECTORS

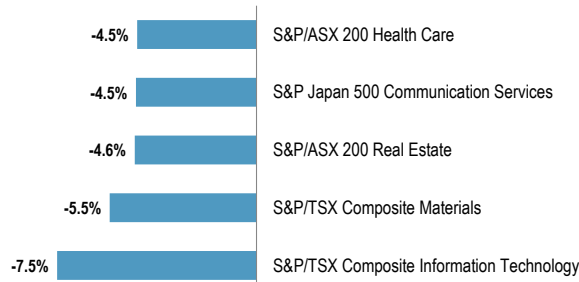
**S&P 500 Sectors - Total Return MTD**



**Top 5 Outperforming Sectors - Excess Return MTD**



**Top 5 Underperforming Sectors - Excess Return MTD**



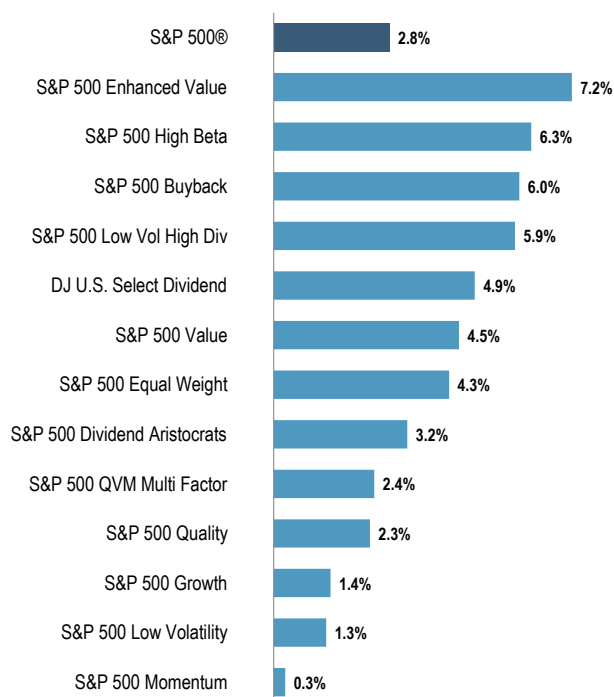
INDEX	Daily	MTD	YTD	12M
<b>S&amp;P 500</b>	<b>0.26%</b>	<b>2.82%</b>	<b>21.67%</b>	<b>6.18%</b>
Energy	-1.52%	8.13%	10.46%	-13.64%
Financials	0.10%	5.56%	20.65%	3.27%
Industrials	-0.04%	4.57%	24.43%	2.48%
Materials	0.71%	3.43%	17.42%	0.40%
Communication Services	0.29%	2.96%	24.81%	9.54%
Consumer Discretionary	0.60%	2.43%	24.37%	6.38%
Information Technology	0.35%	2.13%	32.17%	11.68%
Utilities	0.89%	1.55%	22.15%	20.77%
Health Care	0.14%	0.88%	6.75%	-0.16%
Real Estate	1.40%	0.72%	29.41%	21.55%
Consumer Staples	0.55%	0.08%	21.32%	13.62%
<b>S&amp;P Europe 350 (EUR)</b>	<b>-0.03%</b>	<b>2.67%</b>	<b>18.75%</b>	<b>7.11%</b>
Financials	-1.36%	7.08%	12.34%	-2.34%
Materials	-1.09%	5.34%	17.63%	4.11%
Energy	-0.28%	5.29%	7.67%	-2.67%
Information Technology	0.57%	3.79%	25.27%	6.61%
Consumer Discretionary	-0.32%	3.36%	23.30%	5.85%
Industrials	0.19%	3.32%	24.51%	6.85%
Communication Services	-0.73%	1.87%	4.89%	5.78%
Real Estate	1.25%	1.38%	8.22%	-6.62%
Utilities	1.09%	0.69%	21.54%	23.55%
Health Care	0.78%	-1.30%	20.86%	16.38%
Consumer Staples	1.03%	-1.40%	26.49%	17.25%
<b>S&amp;P Japan 500 (JPY)</b>	<b>0.25%</b>	<b>7.04%</b>	<b>9.95%</b>	<b>-3.67%</b>
Energy	5.92%	17.02%	-2.34%	-30.08%
Financials	0.59%	11.03%	6.24%	-8.57%
Materials	-1.18%	8.30%	3.95%	-9.87%
Industrials	0.24%	8.14%	10.37%	-3.28%
Information Technology	0.45%	7.67%	25.45%	6.01%
Consumer Discretionary	0.02%	7.64%	9.77%	-2.38%
Consumer Staples	0.18%	4.39%	-1.35%	-6.66%
Health Care	0.39%	4.36%	11.26%	-5.02%
Real Estate	1.54%	4.26%	9.44%	9.14%
Utilities	-0.09%	3.84%	-8.73%	-8.24%
Communication Services	0.12%	2.53%	20.44%	-2.62%

INDEX	Daily	MTD	YTD	12M
<b>S&amp;P/ASX 200 (AUD)</b>	<b>0.33%</b>	<b>1.91%</b>	<b>22.64%</b>	<b>12.98%</b>
Energy	1.00%	7.48%	18.70%	-4.47%
Materials	-0.96%	4.48%	23.59%	23.25%
Financials	0.45%	3.82%	20.90%	11.72%
Consumer Discretionary	-0.63%	1.48%	26.55%	7.48%
Consumer Staples	0.47%	1.35%	23.83%	15.16%
Utilities	1.31%	0.77%	13.26%	10.74%
Industrials	1.03%	-0.81%	21.27%	12.47%
Communication Services	0.33%	-1.57%	29.40%	8.79%
Information Technology	0.56%	-2.30%	28.99%	13.87%
Health Care	1.24%	-2.55%	25.76%	13.07%
Real Estate	1.03%	-2.64%	22.31%	12.67%
<b>S&amp;P/TSX Composite (CAD)</b>	<b>0.50%</b>	<b>2.57%</b>	<b>20.13%</b>	<b>8.08%</b>
Energy	-0.76%	7.81%	15.98%	-3.33%
Financials	0.51%	5.49%	18.74%	5.55%
Health Care	-1.29%	4.59%	6.81%	-26.13%
Communication Services	1.03%	2.64%	13.61%	14.28%
Real Estate	0.86%	1.35%	23.56%	12.58%
Consumer Discretionary	1.26%	0.87%	20.37%	4.86%
Utilities	0.23%	0.77%	31.57%	26.99%
Industrials	0.81%	-0.71%	21.10%	5.83%
Consumer Staples	1.02%	-1.07%	17.93%	23.38%
Materials	2.27%	-2.92%	20.27%	19.87%
Information Technology	-0.85%	-4.89%	52.27%	38.96%
<b>S&amp;P Global 1200</b>	<b>0.29%</b>	<b>3.30%</b>	<b>18.77%</b>	<b>4.76%</b>
Energy	-0.71%	7.75%	9.60%	-10.03%
Financials	-0.10%	6.16%	15.73%	1.43%
Materials	0.11%	4.82%	14.59%	1.24%
Industrials	0.25%	4.48%	20.93%	2.06%
Consumer Discretionary	0.43%	3.18%	21.48%	4.83%
Communication Services	0.16%	2.94%	19.84%	7.44%
Information Technology	0.32%	2.69%	29.86%	10.08%
Utilities	1.04%	1.60%	19.06%	18.35%
Real Estate	1.30%	1.13%	22.34%	15.14%
Health Care	0.46%	0.64%	9.47%	1.89%
Consumer Staples	0.92%	0.08%	19.86%	11.10%

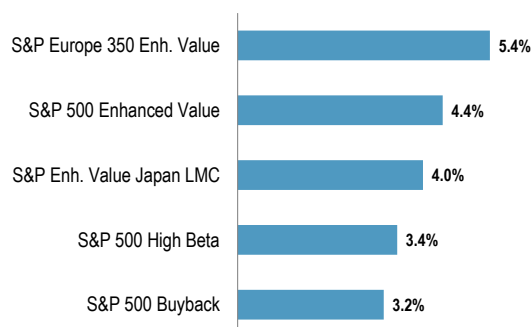
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FACTORS & EQUITY STRATEGY

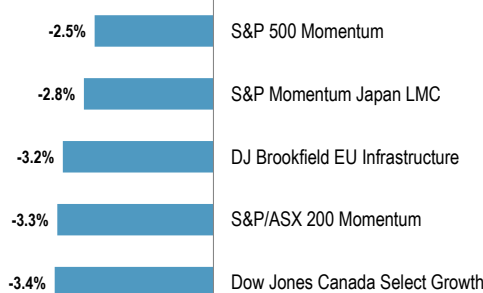
**U.S. Equity Factors - Total Return MTD**



**Top 5 Outperformers - Excess Return MTD**



**Top 5 Underperformers - Excess Return MTD**

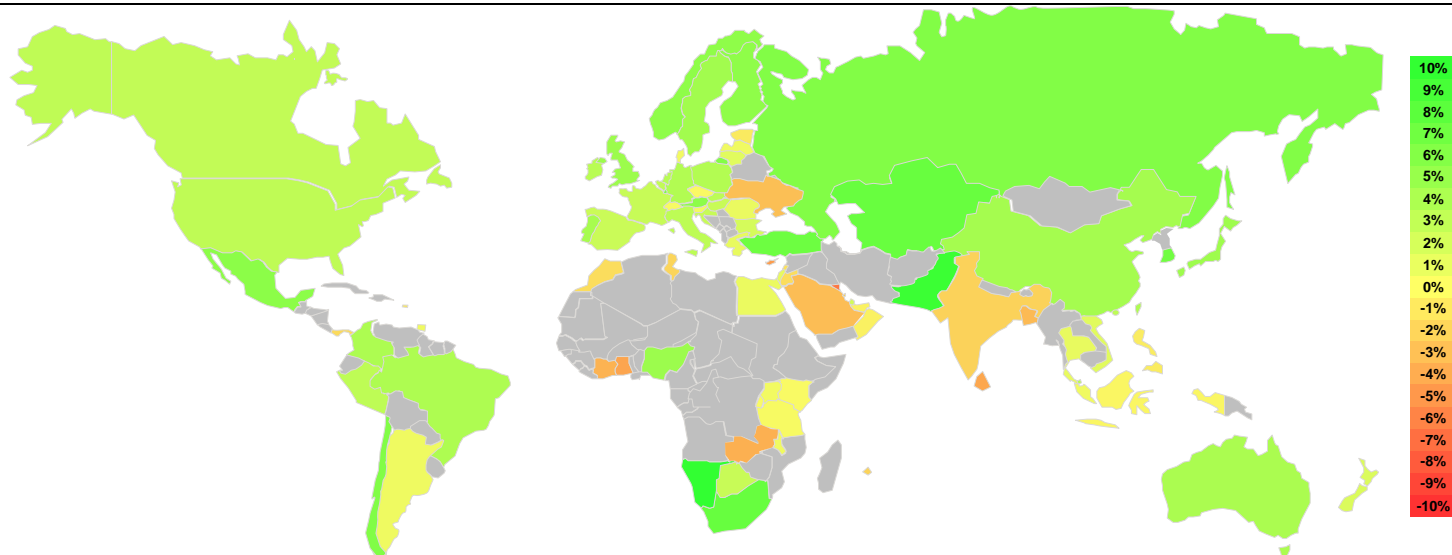


INDEX	Daily	MTD	YTD	12M
<b>United States</b>				
S&P 500 Enhanced Value	-0.44%	7.24%	17.90%	2.28%
S&P 500 High Beta	-0.55%	6.26%	22.79%	-1.73%
S&P 500 Buyback	-0.34%	5.97%	21.61%	4.28%
S&P 500 Low Vol High Div	-0.21%	5.86%	15.83%	6.27%
DJ U.S. Select Dividend	-0.09%	4.89%	17.52%	4.62%
S&P 500 Value	0.04%	4.50%	20.89%	6.10%
S&P 500 Equal Weight	-0.02%	4.26%	21.44%	4.47%
S&P 500 Dividend Aristocrats	0.46%	3.25%	20.10%	9.06%
S&P 500 QVM Multi Factor	0.31%	2.45%	17.39%	1.72%
S&P 500 Quality	0.23%	2.34%	22.78%	6.57%
S&P 500 Growth	0.45%	1.38%	22.38%	6.32%
S&P 500 Low Volatility	0.91%	1.28%	25.31%	17.18%
S&P 500 Momentum	0.67%	0.28%	21.34%	3.79%
<b>Europe (EUR)</b>				
S&P Europe 350 Enh. Value	-1.68%	8.12%	10.68%	-5.73%
S&P Euro HY Div. Aristocrats	-0.29%	4.05%	16.32%	7.19%
S&P Europe Div. Opps	-0.19%	4.03%	16.27%	5.45%
S&P Europe 350 Equal Weight	-0.41%	4.01%	17.89%	3.09%
S&P Europe 350 Buyback	-0.35%	3.60%	19.43%	3.41%
S&P Europe 350 RC 15%	-0.03%	2.88%	16.51%	2.29%
S&P Europe 350 Low Volatility	0.41%	1.62%	19.39%	9.35%
S&P D.A.E. Europe	-0.17%	1.41%	11.30%	10.68%
S&P Europe 350 Quality	0.54%	0.91%	23.25%	11.26%
S&P Europe 350 Momentum	0.86%	0.71%	24.13%	9.66%
DJ Brookfield EU Infrastructure	0.86%	-0.44%	21.82%	17.24%
<b>Canada (CAD)</b>				
Dow Jones Canada Select Value	0.36%	5.31%	16.60%	3.44%
S&P/TSX Composite High Dividend	0.24%	4.26%	20.74%	9.07%
Dow Jones Canada Select Dividend	0.53%	4.24%	18.41%	8.01%
S&P/TSX 60 Equal Weight	0.61%	2.99%	18.12%	9.47%
S&P/TSX Composite Equal Weight	0.38%	2.82%	17.71%	3.92%
S&P/TSX Canadian Dividend Aristocrats	0.44%	2.66%	20.67%	9.79%
S&P/TSX Capped Composite	0.50%	2.57%	20.13%	8.08%
S&P/TSX Composite Low Volatility	0.87%	1.94%	20.37%	11.69%
S&P/TSX Composite Momentum	0.99%	-0.10%	24.10%	4.52%
Dow Jones Canada Select Growth	0.69%	-0.77%	26.04%	16.84%

INDEX	Daily	MTD	YTD	12M
<b>Australia (AUD)</b>				
S&P/ASX Dividend Opportunities	-0.17%	4.03%	24.70%	13.87%
S&P/ASX 200 Value	0.26%	2.44%	21.32%	10.64%
S&P GIVI Australia	0.45%	1.71%	21.93%	13.93%
S&P/ASX 100 Equal Weight	0.19%	1.61%	23.24%	10.33%
S&P/ASX 200 Growth	0.40%	1.42%	23.95%	15.26%
S&P/ASX 200 Enhanced Value	-0.21%	1.33%	19.66%	7.41%
S&P/ASX 300 Shareholder Yield	0.28%	1.25%	18.53%	8.62%
S&P/ASX 200 Quality	-0.05%	-0.23%	17.97%	4.59%
S&P/ASX 200 Low Volatility	0.74%	-0.96%	23.25%	18.29%
S&P/ASX 200 Momentum	0.84%	-1.42%	23.22%	8.87%
<b>Japan (JPY)</b>				
S&P Enh. Value Japan LMC	0.65%	10.91%	3.31%	-9.03%
S&P/JPX Dividend Aristocrats	0.64%	8.40%	3.54%	-8.50%
S&P Intrinsic Value Japan	0.33%	7.78%	8.06%	-5.10%
S&P Japan 500 Equal Weight	0.33%	7.31%	7.26%	-5.71%
S&P GIVI® Japan	0.44%	6.78%	5.55%	-5.05%
S&P Japan 500 Low Volatility	0.45%	6.69%	4.13%	-1.11%
S&P Quality Japan LMC	0.09%	5.65%	13.13%	-2.80%
S&P Low Beta Japan	0.33%	5.64%	7.16%	-4.16%
S&P Momentum Japan LMC	0.00%	4.15%	8.06%	-7.45%
<b>Asia</b>				
S&P Pan Asia Enhanced Value LMC	-0.52%	7.04%	1.89%	-4.18%
S&P Pan Asia Intrinsic Value Weighted	-0.31%	5.02%	8.16%	-0.99%
S&P Pan Asia Ethical Select Div Opp	-0.83%	4.84%	10.01%	6.24%
S&P Pan Asia Value	-0.38%	4.67%	6.61%	-1.30%
S&P Pan Asia Value	-0.38%	4.67%	6.61%	-1.30%
S&P Pan Asia GIVI	-0.29%	4.29%	6.52%	-1.27%
S&P Pan Asia Low Beta	-0.29%	3.11%	8.75%	0.49%
S&P Pan Asia Growth	-0.29%	3.08%	12.98%	2.27%
S&P Pan Asia Quality LargeMidCap	-0.32%	2.66%	12.57%	2.26%
S&P Pan Asia Low Volatility	-0.21%	2.20%	13.03%	10.46%
S&P Pan Asia Momentum LargeMidCap	-0.15%	1.64%	10.48%	1.19%
<b>Global</b>				
S&P Global 1200 Low Vol High Div	0.23%	4.74%	15.06%	6.95%
S&P Global 1200 QVM Multi-Factor	0.32%	2.83%	15.57%	1.12%
S&P Global 1200 Div Stability Low Vol	0.42%	2.59%	15.43%	6.98%

Source: S&P Dow Jones Indices LLC and/or its affiliates. Index performance based on total return. (1) Indicates delayed data. (2) Indicates Sunday trading. Returns are in USD unless otherwise stated. Numbers in brackets are the most recent closing price level for the corresponding index. 12M returns are calculated with reference to latest index level available exactly one calendar year prior to the calculation date. See disclaimer for further information.

S&P GLOBAL BMI: MONTH-TO-DATE PERFORMANCE HEATMAP



INDEX	Daily	MTD	YTD	12M
<b>S&amp;P Developed BMI</b>	<b>0.21%</b>	<b>3.23%</b>	<b>18.31%</b>	<b>3.03%</b>
Korea	-0.64%	6.85%	-3.07%	-12.94%
Luxembourg	-1.82%	6.26%	-11.15%	-28.59%
Austria	0.15%	5.46%	14.41%	-11.97%
Norway	-0.95%	5.36%	7.37%	-10.86%
Finland	-0.26%	5.33%	8.21%	-8.12%
United Kingdom	0.52%	4.72%	11.17%	-0.84%
Japan	0.06%	4.61%	11.41%	-0.43%
Sweden	-0.37%	4.38%	12.30%	-2.72%
Portugal	0.76%	4.15%	11.10%	-3.59%
Australia	0.33%	3.94%	20.25%	8.83%
Germany	0.30%	3.62%	12.07%	-5.90%
Netherlands	0.69%	3.30%	24.63%	10.11%
Singapore	-0.45%	3.29%	11.32%	7.25%
Ireland	-0.80%	3.23%	12.95%	-7.74%
Italy	-0.27%	3.04%	18.00%	-0.26%
Hong Kong	-1.05%	3.03%	5.02%	1.66%
United States	0.21%	2.97%	21.53%	4.85%
Belgium	0.62%	2.85%	24.69%	1.69%
Canada	0.39%	2.78%	23.33%	5.26%
France	0.79%	2.57%	17.42%	1.04%
Spain	-0.08%	2.42%	5.38%	-5.11%
New Zealand	0.27%	1.55%	19.11%	14.69%
Israel	-0.02%	0.92%	10.62%	-4.67%
Denmark	1.41%	0.40%	13.67%	0.43%
Switzerland	0.43%	0.13%	22.53%	10.71%
<b>S&amp;P Emerging BMI</b>	<b>-0.81%</b>	<b>3.07%</b>	<b>9.68%</b>	<b>5.75%</b>
Pakistan	-0.38%	9.55%	-21.44%	-37.61%
South Africa	-3.06%	7.36%	5.87%	6.76%
Turkey	-0.89%	7.03%	8.73%	25.17%
Chile	-0.99%	6.03%	-3.98%	-9.05%
Russia	-1.00%	6.00%	35.26%	32.63%
Mexico	1.10%	5.52%	9.16%	-10.70%
China	-0.84%	4.24%	11.61%	3.74%
Colombia	-0.57%	3.84%	20.37%	0.63%
Brazil	0.53%	3.78%	14.88%	41.27%
Taiwan	-0.36%	3.78%	16.70%	4.04%
Poland	-0.97%	3.55%	-4.74%	-4.61%
Peru	-0.53%	3.02%	0.47%	3.21%
Hungary	-0.48%	2.51%	-0.86%	8.97%
Qatar	-0.25%	1.98%	1.46%	8.77%
Greece	-0.52%	0.92%	35.41%	14.73%
Thailand	-0.06%	0.90%	18.33%	8.02%
Egypt	-1.57%	0.73%	30.51%	20.02%
Malaysia	-0.36%	0.51%	-0.94%	-8.20%
Czech Republic	-0.92%	-0.06%	-0.66%	-10.11%

INDEX	Daily	MTD	YTD	12M
<b>S&amp;P Emerging BMI (Cont'd)</b>				
Indonesia	-0.15%	-0.18%	6.33%	18.67%
United Arab Emirates	-0.42%	-0.40%	7.98%	3.34%
Philippines	-0.58%	-0.68%	8.17%	11.99%
India	-1.89%	-2.00%	-4.39%	-6.50%
Saudi Arabia	-0.66%	-3.07%	2.70%	6.10%
<b>S&amp;P Frontier BMI</b>	<b>-0.16%</b>	<b>-1.54%</b>	<b>8.75%</b>	<b>4.94%</b>
Namibia	1.63%	10.13%	-3.28%	1.54%
Kazakhstan	-3.08%	7.32%	-18.79%	-19.65%
Nigeria	-0.10%	4.68%	-14.56%	-14.99%
Slovakia	1.63%	3.08%	7.06%	5.62%
Croatia	0.05%	2.55%	9.26%	4.33%
Botswana	-0.33%	2.51%	-5.87%	-9.18%
Bulgaria	0.40%	1.85%	-5.58%	-10.45%
Vietnam	0.83%	1.26%	11.25%	1.72%
Lithuania	0.79%	1.25%	13.18%	-4.36%
Romania	0.52%	0.78%	28.74%	11.37%
Argentina	-0.83%	0.54%	19.16%	15.09%
Trinidad And Tobago	0.61%	0.53%	7.56%	11.72%
Latvia	0.03%	0.48%	32.07%	26.59%
Slovenia	0.28%	0.35%	6.80%	0.02%
Kenya	-0.06%	0.03%	8.85%	-3.88%
Oman	-0.68%	-0.45%	1.50%	-0.18%
Estonia	0.33%	-0.78%	3.27%	-5.52%
Jamaica	0.64%	-0.94%	24.89%	43.60%
Lebanon	0.90%	-1.18%	-16.32%	-14.47%
Jordan	0.26%	-1.43%	0.29%	-3.60%
Morocco	-0.11%	-1.44%	5.48%	5.92%
Panama	0.99%	-1.59%	13.61%	12.26%
Tunisia	-0.14%	-1.83%	2.34%	-12.83%
Mauritius	-0.09%	-1.95%	-2.09%	0.97%
Bahrain	-1.24%	-2.21%	30.62%	24.19%
Bangladesh	-0.40%	-3.18%	-7.57%	-7.25%
Cote D'Ivoire	-0.10%	-3.53%	-8.16%	-18.96%
Zambia	-0.53%	-3.72%	-25.77%	-31.80%
Sri Lanka	-0.77%	-4.15%	-6.62%	-13.58%
Ghana	-0.16%	-4.24%	-18.46%	-31.51%
Cyprus	0.44%	-4.70%	0.43%	-16.14%
Kuwait	-0.49%	-6.55%	14.51%	13.26%
<b>Additional Countries</b>				
Rwanda	-0.60%	1.14%	-0.09%	-4.50%
Malawi	-0.37%	0.52%	2.68%	0.45%
Uganda	0.40%	0.42%	-3.16%	-6.31%
Tanzania	0.00%	0.15%	-8.68%	-15.93%
Palestine	-0.48%	-1.30%	0.19%	-1.43%
Ukraine	-1.05%	-2.93%	-6.86%	-2.61%

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# S&P Dow Jones Indices

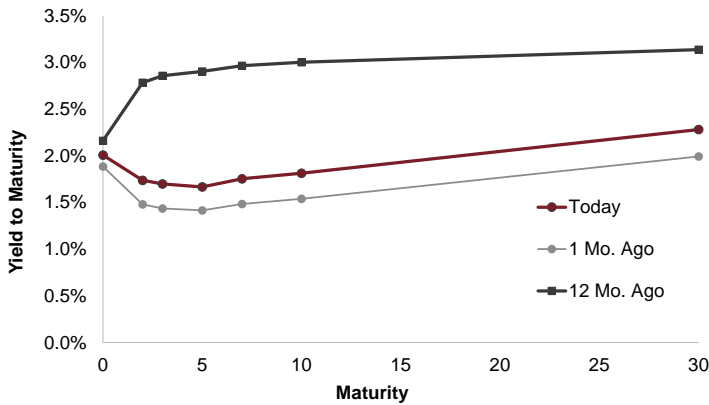
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# INDEX INVESTMENT STRATEGY: Daily Index Dashboard

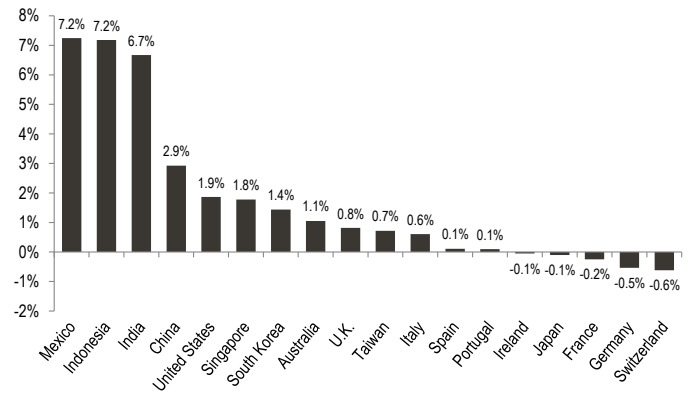
September 17, 2019

## GLOBAL FIXED INCOME

### U.S. Treasury Yield Curve



### Yield to Worst - Selected S&P Sovereign Bond Indices



United States	Yield	Daily	MTD	YTD	12M
S&P U.S. Aggregate	2.4%	0.11%	-1.13%	6.55%	7.97%
S&P 500 Bond	3.0%	0.20%	-1.79%	11.20%	11.10%
S&P U.S. Treasury Bill	2.0%	0.00%	0.06%	1.75%	2.42%
S&P U.S. Treasury	1.9%	0.18%	-1.57%	6.06%	8.32%
S&P U.S. TIPS	0.4%	0.16%	-1.19%	7.17%	6.57%
S&P U.S. MBS	2.6%	-0.05%	-0.24%	3.54%	4.94%
S&P U.S. IG Corporate	3.0%	0.21%	-1.73%	10.74%	10.89%
S&P 500/MarketAxess IG Corp.	3.0%	0.21%	-1.98%	12.32%	11.92%
S&P U.S. HY Corporate	5.5%	0.03%	0.41%	11.81%	7.45%
S&P/LSTA U.S. Lev. Loan 100	6.0%	-0.01%	0.93%	8.48%	4.07%
S&P National AMT-Free Muni	1.9%	-0.11%	-1.52%	5.94%	7.49%
S&P U.S. Preferred Stock	6.4%	0.24%	0.25%	14.29%	7.27%

Europe	Yield	Daily	MTD	YTD	12M
S&P Eurozone Sovereign	0.0%	-0.19%	-1.25%	8.16%	9.06%
S&P Eurozone Sov Inf.-Linked	-0.7%	-0.31%	-0.34%	7.11%	5.72%
S&P Eurozone IG Corporate	0.3%	-0.11%	-0.93%	5.76%	5.34%
S&P U.K. Gilt	0.8%	0.00%	-1.65%	8.92%	10.48%
S&P U.K. Inflation-Linked Gilt	-2.3%	-0.51%	-4.20%	13.13%	15.85%
S&P U.K. IG Corporate	2.1%	-0.07%	-1.06%	10.05%	9.67%
S&P Germany Sovereign	-0.5%	-0.09%	-1.75%	4.77%	6.14%
S&P France Sovereign	-0.2%	-0.18%	-1.95%	6.94%	7.40%
S&P Spain Sovereign	0.1%	-0.19%	-1.39%	8.52%	9.12%
S&P Italy Sovereign	0.6%	-0.36%	0.47%	11.93%	13.27%
S&P Switzerland Sovereign	-0.6%	0.43%	-3.75%	6.76%	9.50%
S&P Ireland Sovereign	-0.1%	-0.07%	-1.27%	6.42%	6.71%

S&P 500 Bond Sectors	Yield	Daily	MTD	YTD	12M
Energy	3.4%	0.25%	-1.24%	11.79%	10.32%
Real Estate	3.0%	0.26%	-1.51%	10.02%	11.00%
Consumer Discretionary	3.3%	0.18%	-1.57%	11.30%	10.45%
Industrials	3.0%	0.22%	-1.58%	11.57%	10.73%
Financials	2.8%	0.14%	-1.62%	9.89%	10.30%
Materials	3.4%	0.23%	-1.65%	12.14%	11.46%
Consumer Staples	2.9%	0.15%	-1.82%	10.90%	10.90%
Information Technology	2.8%	0.23%	-1.84%	10.32%	10.34%
Health Care	3.1%	0.20%	-1.88%	11.31%	11.31%
Communication Services	3.5%	0.23%	-2.05%	14.76%	14.93%
Utilities	3.2%	0.31%	-2.75%	11.40%	11.47%

Asia	Yield	Daily	MTD	YTD	12M
S&P Indonesia Sovereign	7.2%	0.10%	0.97%	10.43%	16.20%
S&P Pan Asia Bond	3.6%	-0.30%	0.79%	0.92%	4.46%
S&P China Corporate	3.7%	0.02%	0.16%	2.46%	4.21%
S&P China Sovereign	2.9%	0.02%	0.00%	2.64%	6.33%
S&P India Sovereign	6.7%	-0.26%	-0.31%	9.16%	17.13%
S&P Hong Kong Sovereign	1.6%	0.10%	-0.34%	2.85%	4.49%
S&P Singapore Sovereign	1.8%	0.08%	-0.37%	3.46%	6.74%
S&P Taiwan Sovereign	0.7%	0.00%	-0.48%	2.43%	2.93%
S&P Japan Corporate	0.3%	-0.01%	-0.58%	0.66%	1.14%
S&P Japan Sovereign	-0.1%	-0.06%	-1.38%	2.26%	3.31%
S&P South Korea Sovereign	1.4%	0.10%	-1.58%	5.28%	8.17%

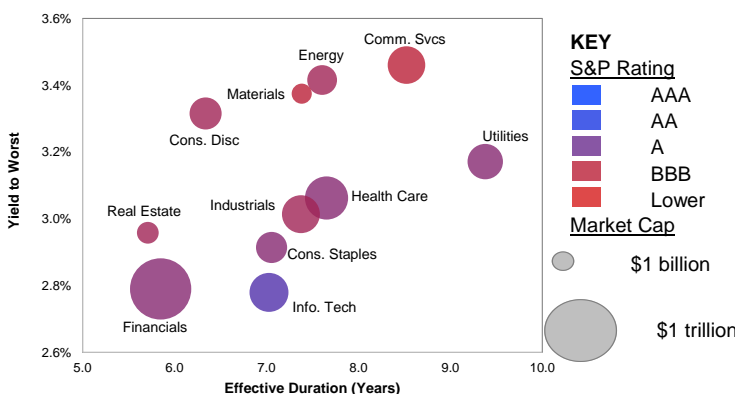
Canada	Yield	Daily	MTD	YTD	12M
S&P Canada Aggregate	2.1%	0.28%	-1.53%	6.35%	7.84%
S&P Canada Sovereign	2.7%	0.21%	-1.16%	6.34%	7.01%
S&P Canada IG Corporate	2.1%	0.35%	-1.77%	7.71%	9.13%
S&P Canada Provincial & Municipal	1.6%	0.22%	-1.43%	4.12%	6.37%
S&P/TSX Preferred Share	5.3%	-0.08%	2.88%	-0.83%	-10.64%

Latin America	Yield	Daily	MTD	YTD	12M
S&P Colombia Sovereign	5.4%	0.01%	0.57%	8.99%	11.77%
S&P Peru Sovereign	4.2%	-0.20%	0.30%	16.00%	16.78%
S&P/BMV Corporate	8.4%	0.22%	-0.03%	10.92%	12.57%
S&P/BMV Mexico Sovereign	7.2%	0.34%	-0.21%	12.02%	11.85%
S&P Chile Sovereign	2.6%	-0.09%	-0.53%	16.74%	20.74%

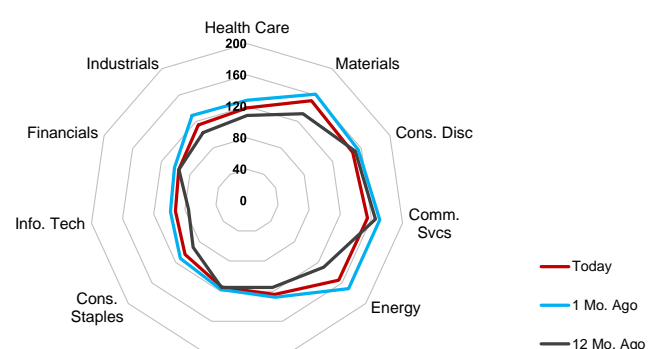
Australia & New Zealand	Yield	Daily	MTD	YTD	12M
S&P/ASX Australian Government 0+	1.1%	0.37%	-1.43%	9.05%	11.84%
S&P/ASX Corporate 0+	1.8%	0.16%	-0.52%	6.23%	7.52%
S&P/NZX NZ Government Bond	1.1%	0.32%	-0.94%	7.10%	8.55%

ESG Bonds	Yield	Daily	MTD	YTD	12M
S&P Green Bond (USD)	1.4%	0.16%	-0.99%	4.76%	4.59%
S&P Green Bond Select (USD)	1.0%	0.27%	-1.31%	5.55%	4.71%
S&P ESG Europe Dev Sov (EUR)	0.0%	-0.15%	-1.19%	7.66%	8.34%

### S&P 500 Bond Sectors - Selected Statistics



### S&P 500 Bond Sector Option-Adjusted Spreads (OAS)



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