SEI New ways. New answers."

MONTHLY MARKET COMMENTARY | AUGUST 2018 Markets Fall into Autumn

Monthly Snapshot

- The British government released a set of contingency plans in late August detailing how segments of the UK economy should prepare for possible failure in striking a Brexit deal with the EU before the autumn deadline.
- > British equities tumbled significantly during the month, while European stocks also declined and US equities jumped higher. Yields on major developed-market government bonds generally fell (yields move inversely to prices).
- Investors can take comfort in a still-solid global economy as well as strong momentum in corporate-profits growth and equity valuations that still appear reasonable against the backdrop of still-low, albeit rising, interest rates.

Economic Backdrop 📚

The British government released a set of contingency plans in late August detailing how segments of the UK economy should prepare for possible failure in striking a Brexit deal with the EU before the autumn deadline; the French government announced intentions to do the same as divorce negotiations persisted. UK cabinet-level ministers asserted throughout the month that the only two realistic negotiation outcomes include one that closely adheres to Prime Minister Theresa May's so-called Chequers plan or one that reaches no deal at all. The EU's chief Brexit negotiator, Michel Barnier, said at the end of August that he is holding out hope for a one-of-a-kind trade partnership between the EU and UK, while also ruling out single-market access.

US and Mexican negotiators neared a deal to revise their portion of the trilateral North American Free Trade Agreement, leaving the US-Canada component to be resolved amid ongoing negotiations at month-end. The EU expressed willingness to lift tariffs from all US industrial products including automobiles (which have been a sticking point with US President Donald Trump's administration)—provided that the US does the same. Meanwhile, the US Chamber of Commerce, a business-focussed lobbying group with unrivalled influence on conservative politics, launched a pressure campaign to highlight the economic pitfalls of relying on tariffs to conduct trade policy.

British equities tumbled in August, delivering the poorest performance among major developed markets, and European shares declined on notable weakness in peripheral countries like Greece and Italy (according to country-level performance within the MSCI ACWI Index). US equities jumped higher, providing the only positive performance among major developed markets for the month. Hong Kong and mainland China shares fell, as did South American equities. A double-digit decline in Brazil was overshadowed by a meltdown in Argentina, where the government was forced to take extraordinary measures—including hiking the central bank's benchmark rate to 60%, securing a stabilization loan from the International Monetary Fund, and announcing austerity measures—all in an effort to keep the Argentine peso from dropping further. Turkey also faced deep destabilisation starting in early August, when the announcement of US sanctions caused a re-evaluation of the country's ability to service its heavy foreign-debt load, sending the Turkish lira into freefall.

Key Measures: August 2018

EQUITY	
Dow Jones Industrial Average	2.56%
S&P 500 Index	3.26%
NASDAQ Composite Index	5.85% 🕜
MSCI ACWI Index (Net)	0.79% 🕜
BOND	
Bloomberg Barclays Global Aggregate Index	0.10% 🕥
VOLATILITY	
Chicago Board Options Exchange Volatility Index PRIOR: 12.83	12.86
OIL	
WTI Cushing crude oil prices PRIOR: \$68.76	\$69.80 🕥
CURRENCIES	
Sterling vs. US dollar	\$1.30 😍
Euro vs. US dollar	\$1.16 😍
US dollar vs. yen	¥110.89 😍

Sources: Bloomberg, FactSet, Lipper

Yields on UK gilts and US Treasurys declined, except for those with the shortest maturities, while euro-area government bond yields fell universally across all maturities during the month. The Bank of England's Monetary Policy Committee voted unanimously in early August to increase the bank rate by 0.25%, its second such hike of the current cycle. Bank Governor Mark Carney expressed willingness to remain on the job past his planned departure next summer to help provide stability as the UK grapples with its exit from the EU. The European Central Bank (ECB) and Bank of Japan had no meetings in August; both kept their policy paths steady following late-July meetings, and the Japanese central bank said it plans to offer more specific forward guidance on policy rates in an effort to influence its inflation target. The US Federal Open Market Committee took no new actions on monetary policy, according to its statement on the first of August. Meeting minutes released later in the month revealed that most members think another rate hike would probably be warranted in the near future given bright prevailing economic conditions. US Federal Reserve (Fed) Chairman Jerome Powell offered a measure of accommodation at the central bank's annual summit in Jackson Hole, WY, saying that its policysetting committee would try to avoid overreacting with rate hikes if faced with inconclusive economic data.

UK services sector growth jumped in August, exhibiting healthy conditions, while manufacturing growth slowed to more modest levels. July's claimant count (the number of people claiming unemployment benefits) held firm at a 2.5% rate. Unemployment for the April-to-June period fell by 0.2% to a rate of 4.0%, although average year-over-year earnings growth ticked down to 2.4%. Overall economic growth registered 0.4% for the second quarter, improving by 0.2% from the final reading of the prior quarter.

Eurozone manufacturing growth softened during August, while services strengthened; however, both measures were at healthy levels of expansion despite remaining far below their respective peaks at the beginning of 2018. Economic sentiment continued to trend lower on slowing economic

Major Index Performance in August 2018 (Percent Return)



Sources: FactSet, Lipper. See "Corresponding Indexes for Major Index Performance Exhibit" in the Index Descriptions section for more information.

Fixed-Income Performance in August 2018 (Percent Return)



growth. The eurozone unemployment rate was 8.2% in July, unchanged from June's downward-revised figure. Total economic growth was adjusted higher by 0.1% for the second quarter (to 0.4%) and for the 12-month period ending June (to 2.2%).

US manufacturing reports for August depicted consistently strong neworder growth, while services-sector growth slowed. Prices for core personal consumption expenditures (the Fed's preferred inflation gauge) edged up to 2.0% in July, precisely in line with the central bank's target inflation level. Economic growth was adjusted higher by 0.1%, to an annualised 4.2% second-quarter rate.

Our View 👁

Make no mistake about it: headwinds blowing in the face of risk assets have accelerated. Growth in business activity has slowed somewhat, especially in Europe. Monetary policy has tightened in the US and is set to become less expansionary in Europe. Inflation has ticked higher across the major economies, driven by synchronised global growth and a contracting of labour markets and industrial capacity in the US, Germany, the UK, China, and elsewhere in Asia. A jump in oil prices has pushed headline consumer-price index readings to their highest levels in several years; the Organization of the Petroleum Exporting Countries and Russia have shown a fair degree of discipline in constraining the supply of crude oil at a time when demand is strong and inventory levels have fallen. Some developing countries have been forced to raise their policy rates dramatically in an effort to defend their currencies.

Most important, the stoking of trade-war tensions by the US has threatened to undermine the very foundation of the system that has supported the global economy since the end of the Second World War. Although actual US trade actions to date have been modest, the impact on global supply chains bears close watching. Although actual US trade actions to date have been modest, the impact on global supply chains bears close watching. Economic fundamentals that drive the stock market nevertheless appear solid, even in places like Europe and developing economies. Plus, interest rates remain at levels that are accommodative to global economic growth. Key risks—escalating trade tensions and the polarisation of electorates over issues like immigration and fiscal sovereignty—appear more political in nature. The positives include a still-solid global economy, strong momentum in corporate-profits growth, and persistent equity valuations that seem reasonable against the backdrop of still-low (albeit rising) interest rates.

If one believes, as we do, that the global economy is sound and current political uncertainties will be contained, then the proper course (in our view) should be to remain exposed to equities and other risk assets and ride out the short-term ups and downs.

The economic data coming out of Europe has been hugely disappointing this year. Instead of building upon the improved business activity of 2016 and 2017, there has been a widespread deceleration. At SEI, we have been reluctant to get too bearish on Europe's fundamentals, but there's no denying that financial-market participants are disbelievers.

ECB President Mario Draghi and other bank governors decided to conclude net asset purchases by the end of this year because they view deflation risks as having moderated significantly. Since the ECB will no longer be a price-insensitive buyer of eurozone debt, we could see yield spreads rise as investors demand a risk premium for those countries with a heavy debt burden relative to the size of their economy. Italy's new government wants to institute several expensive propositions that would blow a hole in the government's budget, likely causing the country's bonds to be further discounted by investors—with other periphery countries' bond yields rising in sympathy.

Recent UK economic data reports, like those of other countries in Europe, suggest that Great Britain is wending its way through a soft patch. Underlying growth nevertheless appears solid, indicating the UK economy is in stable condition; although the trade sector looks to be a problem spot.



Regional Equity Performance in August 2018 (Percent Return)

Sources: FactSet, Lipper. See "Corresponding Indexes for Regional Equity Performance Exhibit" in the Index Descriptions section for more information.

All references to performance are in US dollar terms unless otherwise noted. See Standardised Performance for more information.



Global Equity Sector Performance in August 2018 (Percent Return) DEFENSIVES BLENDS CYCLICALS

The biggest source of uncertainty facing the UK is its looming withdrawal from the EU. The Conservative Party's internal fight over the country's future relationship with the EU has stalled progress toward a clear post-Brexit status. Maybe it's sheer coincidence, but sterling versus the US dollar is almost where it was the day after the Brexit vote on 23 June 2016. The recent trend has been to the downside, as currency-market participants worry about the rising odds of a hard Brexit and more-thorough disruption of UK trade with the EU. We would not be surprised to see further downside volatility in sterling as we draw closer to the EU exit date.

American investors, businesses and consumers have much to applaud despite fears of a trade war pitting the US against foes and allies alike. The country's corporate tax reform, tax cuts for households, and reduced or modified regulation of various industries have led to record-high consumer and business confidence.

But sabre-rattling between the US and China has deteriorated into actual skirmishing, and the latest back-and-forth suggests this spat will get worse before it gets better. To be blunt, the Trump administration's strategy of waging a trade war with China could prove to be the equivalent of cutting off one's nose to spite one's face.

In the US, a trade war will likely lead to higher prices for consumers and hurt the bottom lines of companies that sell imported goods and those that depend on global supply chains in their production process—resulting in a net loss for its society. A small group of American producers will probably benefit substantially from the trade impediments, while most consuming industries and households suffer declines in purchasing power—declines that may be small at the level of the individual but would add up to an enormous loss across the affected economies. With any luck, the Trump administration will shy away from further ratcheting tensions. But we must admit that doesn't seem to be in the cards in the near-term.

A confluence of events has conspired to hurt the performance of emergingmarket assets. An extensive trade war that disrupts multinationals' supply chains would interrupt the flow of raw commodities and semi-finished materials from developing economies, which depend on these exports for Impediments to trade also could lead to a higher inflation rate as US companies use the tariffs umbrella to raise their selling prices. economic growth. Rising US interest rates, resulting in another period of sustained US dollar strength, are a second threat. The soft patch in Europe and recent signs of deceleration in China's economic growth is a third.

But while emerging-market stocks and bonds have come under pressure this year, we've yet to see any widespread deterioration in economic performance or financial conditions. On balance, we think most emerging markets have the ability to weather the storm—again, assuming the disruption to global trade does not devolve into something more encompassing.

A broadening of the trade war with China or a US departure from the North American Free Trade Agreement would likely have a severely negative impact on the profitability of US manufacturers, prompting us to reassess our still-positive view. Impediments to trade also could lead to a higher inflation rate as US companies use the tariffs umbrella to raise their selling prices. The US Fed may feel compelled to lean against this threat to price stability, thereby aggravating any economic shock arising from the disruption of global supply chains—which is how a bear market could develop.

This is not our base-case scenario. We still think this old bull has some life left in it, but the risks to the equity market now seem more balanced than skewed to the bullish side.

Standardised Performance

KEY MEASURES 2 2 2 2 2 1 <t< th=""><th></th><th></th><th>1 year to</th><th>1 year to</th><th>1 year to</th><th>1 year to</th><th>1 year to</th></t<>			1 year to				
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EXEC-INCOME PERFORMANCE US Treasury Inflation-Protected Securities (IIPS) Bloomberg Barclays Global Aggregate ex-Treasury Index 112% 3.77% 2.35% 3.74% Global Non-Government Bloomberg Barclays Global Aggregate ex-Treasury Index -118% 2.43% 6.27% 4.50% 7.77% Global Sourceigns Bloomberg Barclays Global Treasury Index -1.51% -1.65% 10.94% 8.08% 5.44% US Investment-Grade Corporates Bloomberg Barclays US. Socretate Investment Grade Index -0.37% 2.35% 1.77% 2.37% US Mortsgage-Backed Securities (MBS) Bloomberg Barclays US. Nortgage-Backed Securities Index 0.53% 0.80% 3.33% 2.66% 54.4% US Mortsgage-Backed Securities (MBS) Bloomberg Barclays US. Mortgage-Backed Securities Index -0.55% 514% 2.30% 3.57% US High Yield ICE BofAML US High Yield Constrained Index -1.54% -0.95% 514% 2.30% 8.25% Emerging Markets (Local) JPMorgan GBI-EM Global Diversified Index -3.37% 5.02% 14.47% 1.82% 2.15% 8.26% 1.95% 2.15% <	MSCI Emerging Markets Index (Net)		-0.68%	24.53%	11.83%	-22.95%	19.98%
US Treasury Inflation-Protected Securities (IIPS) Bioomberg Barclays 1-10 Year U.S. TIPS Index 0.54% 112% 3.77% 2.35% 3.74% Global Kon-Government Bioomberg Barclays Global Aggregate ex-Treasury Index -1.18% 2.43% 6.27% 4.50% 7.17% Global Sovereigns Bioomberg Barclays U.S. Corporate Investment Grade Index -1.01% 2.13% 9.64% -0.55% 9.09% US Investment-Grade Corporates Bioomberg Barclays U.S. Corporate Investment Grade Index -1.01% 2.13% 9.64% -0.55% 9.09% US Asset-Backed Securities (MBS) Bioomberg Barclays U.S. Asset-Backed Securities Index 0.32% 1.36% 2.35% 1.17% 2.37% US Mortgage-Backed Securities (MBS) Bioomberg Barclays U.S. Irreasury Index -1.51% -0.65% 5.42% US Treasury S Bioomberg Barclays U.S. Irreasury Index -1.53% 0.80% 3.93% 2.66% 5.42% US Treasury S Bioomberg Barclays U.S. Irreasury Index -1.55% 0.80% 1.91% 2.00% 5.17% 4.24% 4.85% 9.55% 18.45% 2.00% 7.24%	MSCI World Index (Net)		13.10%	16.19%	6.68%	-4.13%	21.10%
Bioomberg Barclays Global Aggregate ex Treasury Index 1.18% 2.43% 6.27% -4.50% 7.17% Global Non-Governient Bioomberg Barclays Global Aggregate ex Treasury Index -1.51% -1.65% 10.94% -8.08% 5.44% Global Sovereigns Bioomberg Barclays Global Treasury Index -1.51% -1.65% 10.94% -8.08% 5.44% US Investment-Grade Corporates Bioomberg Barclays U.S. Corporate Investment Grade Index -0.37% 2.36% 2.35% 1.77% 2.37% US Morsgage-Backed Securities (MBS) Bioomberg Barclays U.S. Morgage Backed Securities Index -0.53% 0.80% 3.93% 2.66% 5.42% US Treasurys Bioomberg Barclays U.S. Morgage Backed Securities Index -1.54% -0.95% 5.14% 2.30% 1.05% US High Yield ICE BorAML US High Yield Constrained Index 3.27% 8.28% 9.22% 3.03% 2.56% 1.42% Emerging Markets (Local) JPMorgan GBB IcBiolab Diversified Index -3.37% 5.02% 1.15% 14.65% 7.24% 6.37% 1.75% Pacific ex Japan MSCI Emerging Mark	FIXED-INCOME PERFORMANCE						
Bioomberg Barclays Global Treasury Index 1.51% 1.65% 10.94% -8.08% 5.44% US Investment-Grade Corporates Bioomberg Barclays U.S. Corporate Investment Grade Index 1.01% 2.13% 9.64% -0.55% 9.09% US Asset-Backed Securities (MBS) Bioomberg Barclays U.S. Asset-Backed Securities Index 0.32% 1.36% 2.35% 1.77% 2.37% US Mortgage-Backed Securities (MBS) Bioomberg Barclays U.S. Treasury Index -1.54% -0.55% 5.44% 2.30% 3.57% US Inteasurys Bioomberg Barclays U.S. Treasury Index -1.54% -0.95% 5.14% 2.30% 3.57% US High Yield ICE BordML US High Yield Constrained Index 3.27% 8.78% 9.22% -3.06% 1.06% Emerging Markets (External) JPMorgan EMBI Global Diversified Index -3.37% 5.02% 14.24% -1.15% 4.65% Emerging Markets (Local) JPMorgan GBI-EM Global Diversified Index -3.37% 5.02% 14.24% -1.55% 14.45% Emerging Markets (Local) JPMorgan GBI-EM Global Diversified Index -3.37% 5.02%	US Treasury Inflation-Protected Securities (TIPS)	Bloomberg Barclays 1-10 Year U.S. TIPS Index	0.54%	1.12%	3.77%	-2.35%	3.74%
US Investment-Grade Corporates Bloomberg Barclays U.S. Corporate Investment Grade Index 1.01% 2.13% 9.64% -0.55% 9.09% US Asset-Backed Securities (ABS) Bloomberg Barclays U.S. Asset-Backed Securities Index 0.32% 1.36% 2.35% 1.17% 2.37% US Mortgage-Backed Securities (MBS) Bloomberg Barclays U.S. Mortgage-Backed Securities Index -0.53% 0.80% 3.93% 2.66% 5.42% US Treasury Bloomberg Barclays U.S. Increasury Index -1.54% -0.95% 5.14% 2.30% 3.57% US High Yield ICE BofAML US High Yield Constrained Index 3.37% 5.02% 14.24% -1.15% 14.61% Emerging Markets [Local) JPMorgan EBLE Global Diversified Index -3.37% 5.02% 14.24% -1.15% 8.32% REGIONAL EOUTY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% -4.85% -9.55% 18.45% Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 2.44% -2.78% 6.37% 17.75% Pacific ex Japan TOPIX, also known as the Tokyo Stock Price Inde	Global Non-Government	Bloomberg Barclays Global Aggregate ex-Treasury Index	-1.18%	2.43%	6.27%	-4.50%	7.17%
US Asset-Backed Securities (ABS) Bloomberg Barclays U.S. Asset-Backed Securities Index 0.32% 1.36% 2.35% 1.77% 2.37% US Mortgage-Backed Securities (MBS) Bloomberg Barclays U.S. Mortgage-Backed Securities Index 0.53% 0.80% 3.93% 2.66% 5.42% US Treasury Bloomberg Barclays U.S. Irreasury Index 1.54% 0.95% 5.14% 2.30% 3.57% US High Yield ICE BofAML US High Yield Constrained Index 3.27% 8.78% 9.22% 3.08% 10.61% Emerging Markets (External) JPMorgan EMBI Global Diversified Index -3.37% 5.02% 14.24% -1.15% 14.61% Emerging Markets (Local) JPMorgan EBI-EM Global Diversified Index -10.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOULTY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% 4.85% 9.55% 18.44% Europe ex UK MSCI Emerging Markets Latin America Index (Net) -11.80% 22.63% 19.75% 42.42% 23.99% GLOBAL EOULTY PERFORMANCE S&P 500 Index 19.66% 16.23% 12.67% -21.85% 19.77% SQL	Global Sovereigns	Bloomberg Barclays Global Treasury Index	-1.51%	-1.65%	10.94%	-8.08%	5.44%
US Mortgage-Backed Securities (MBS) Bloomberg Barclays U.S. Mortgage-Backed Securities Index -0.53% 0.80% 3.93% 2.66% 5.42% US Treasurys Bloomberg Barclays U.S. Treasury Index -1.54% -0.95% 5.14% 2.30% 3.57% US High Yield ICE BotAML US High Yield Constrained Index 3.27% 8.78% 9.22% -3.08% 10.61% Emerging Markets (External) JPMorgan EMB Global Diversified Index -3.37% 5.02% 14.24% -1.15% 14.61% Emerging Markets (Local) JPMorgan GBI-EM Global Diversified Index -0.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOUITY PERFORMANCE United Kingdom FISE All-Share Index 5.59% 12.48% 4.85% -9.55% 18.45% EL Latin America MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% 6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 1.92% 22.41% -2.185% 19.77% United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% <td>US Investment-Grade Corporates</td> <td>Bloomberg Barclays U.S. Corporate Investment Grade Index</td> <td>-1.01%</td> <td>2.13%</td> <td>9.64%</td> <td>-0.55%</td> <td>9.09%</td>	US Investment-Grade Corporates	Bloomberg Barclays U.S. Corporate Investment Grade Index	-1.01%	2.13%	9.64%	-0.55%	9.09%
Bloomberg Barclays U.S. Treasury Index -1.54% -0.95% 5.14% 2.30% 3.57% US High Yield ICE BofAML US High Yield Constrained Index 3.27% 8.78% 9.22% -3.08% 10.61% Emerging Markets (External) JPMorgan EMB Global Diversified Index -3.37% 5.02% 14.24% -1.15% 14.61% Emerging Markets (External) JPMorgan GBI-EM Global Diversified Index -0.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOUITY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% 4.85% -9.55% 18.45% EM Latin America MSCI Europe ex UK Index (Net) 11.92% 22.41% -2.78% 6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 19.26% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index <td>US Asset-Backed Securities (ABS)</td> <td>Bloomberg Barclays U.S. Asset-Backed Securities Index</td> <td>0.32%</td> <td>1.36%</td> <td>2.35%</td> <td>1.77%</td> <td>2.37%</td>	US Asset-Backed Securities (ABS)	Bloomberg Barclays U.S. Asset-Backed Securities Index	0.32%	1.36%	2.35%	1.77%	2.37%
US High Yield ICE BorAML US High Yield Constrained Index 3.27% 8.78% 9.22% -3.08% 10.61% Emerging Markets (External) JPMorgan EMBI Global Diversified Index -10.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOUITY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% -4.85% 9.55% 18.45% EM Latin America MSCI Emerging Markets Latin America Index (Net) -11.80% 22.63% 19.75% -42.42% 23.99% Europe ex UK MSCI Europe ex UK Index (Net) .19.29% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) .19.26% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACIVI Index 12.55% 0.48% 25.25% 11.30% 10.25% 12.41% 11.30% 12.55% 0.48% 25.25% 11.30% 12.55% <td>US Mortgage-Backed Securities (MBS)</td> <td>Bloomberg Barclays U.S. Mortgage-Backed Securities Index</td> <td>-0.53%</td> <td>0.80%</td> <td>3.93%</td> <td>2.66%</td> <td>5.42%</td>	US Mortgage-Backed Securities (MBS)	Bloomberg Barclays U.S. Mortgage-Backed Securities Index	-0.53%	0.80%	3.93%	2.66%	5.42%
Emerging Markets (External) JPMorgan EMBI Global Diversified Index -3.37% 5.02% 14.24% -1.15% 14.61% Emerging Markets (Local) JPMorgan GBI-EM Global Diversified Index -10.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOUITY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% 4.85% -9.55% 18.46% United Kingdom FTSE All-Share Index 5.59% 12.48% 4.85% -9.55% 18.45% Europe ex UK MSCI Europe ex UK Index (Net) -11.80% 22.63% 19.75% -42.42% 23.99% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 1.92% 22.41% -2.78% 6.37% 17.75% Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.65% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE 14.41% 18.65% 7.24% -6.29% 20.99% MSCI	US Treasurys	Bloomberg Barclays U.S. Treasury Index	-1.54%	-0.95%	5.14%	2.30%	3.57%
Linerging Markets (Local) JPMorgan GBI-EM Global Diversified Index 10.05% 9.86% 11.33% -21.54% 8.32% REGIONAL EOUITY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% -4.85% -9.55% 18.45% EM Latin America MSCI Emerging Markets Latin America Index (Net) 11.80% 22.63% 19.75% 42.42% 23.99% Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24%	US High Yield	ICE BofAML US High Yield Constrained Index	3.27%	8.78%	9.22%	-3.08%	10.61%
REGIONAL EQUITY PERFORMANCE United Kingdom FTSE All-Share Index 5.59% 12.48% -4.85% -9.55% 18.45% EM Latin America MSCI Emerging Markets Latin America Index (Net) -11.80% 22.63% 19.75% -42.42% 23.99% Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 12.45% 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Index	Emerging Markets (External)	JPMorgan EMBI Global Diversified Index	-3.37%	5.02%	14.24%	-1.15%	14.61%
United Kingdom FTSE All-Share Index 5.59% 12.48% -4.85% -9.55% 18.45% EM Latin America MSCI Emerging Markets Latin America Index (Net) -11.80% 22.63% 19.75% -42.42% 23.99% Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOULTY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Index 0.28% 4.49% 3.85% 0.12% <td>Emerging Markets (Local)</td> <td>JPMorgan GBI-EM Global Diversified Index</td> <td>-10.05%</td> <td>9.86%</td> <td>11.33%</td> <td>-21.54%</td> <td>8.32%</td>	Emerging Markets (Local)	JPMorgan GBI-EM Global Diversified Index	-10.05%	9.86%	11.33%	-21.54%	8.32%
Link MSCI Emerging Markets Latin America Index (Net) -11.80% 22.63% 19.75% -42.42% 23.99% Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EQUITY SECTOR PERFORMANCE MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI In	REGIONAL EQUITY PERFORMANCE						
Europe ex UK MSCI Europe ex UK Index (Net) 1.92% 22.41% -2.78% -6.37% 17.75% Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EQUITY SECTOR PERFORMANCE MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Information Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Information Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Information Technology Index 13.45% 12.17% -0.99% 9.61% 28.9	United Kingdom	FTSE All-Share Index	5.59%	12.48%	-4.85%	-9.55%	18.45%
Pacific ex Japan MSCI Pacific ex Japan Index (Net) 4.05% 18.51% 12.67% -21.85% 19.77% United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EQUITY SECTOR PERFORMANCE MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 17.60% 1712% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Financials Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63%	EM Latin America	MSCI Emerging Markets Latin America Index (Net)	-11.80%	22.63%	19.75%	-42.42%	23.99%
United States S&P 500 Index 19.66% 16.23% 12.55% 0.48% 25.25% Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EQUITY SECTOR PERFORMANCE 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Financials Index 21.15% 7.41% 6.066% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Industrials Index 8.71% 21.09% 17.24% 31.06% 31.06% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1	Europe ex UK	MSCI Europe ex UK Index (Net)	1.92%	22.41%	-2.78%	-6.37%	17.75%
Japan TOPIX, also known as the Tokyo Stock Price Index 8.76% 16.83% 3.50% 5.03% 11.30% GLOBAL EOUITY SECTOR PERFORMANCE MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 17.10% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Industrials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Industrials Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% 1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Information Technology Index 4.95% 23.13%	Pacific ex Japan	MSCI Pacific ex Japan Index (Net)	4.05%	18.51%	12.67%	-21.85%	19.77%
GLOBAL EQUITY SECTOR PERFORMANCE MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Industrials Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Telecommunication Services Index 4.92% 3.13% 5.88% -5.47% 18.45%	United States	S&P 500 Index	19.66%	16.23%	12.55%	0.48%	25.25%
MSCI ACWI Index 11.41% 18.65% 7.24% -6.29% 20.99% MSCI ACWI Consumer Discretionary Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Industrials Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Information Technology Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index 4.92% 3.13% 5.88% -5.47% 18.45%	Japan	TOPIX, also known as the Tokyo Stock Price Index	8.76%	16.83%	3.50%	5.03%	11.30%
MSCI ACWI Consumer Discretionary Index 17.60% 17.12% 4.59% 2.90% 17.24% MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Telecommunication Services Index -9.95% 23.13% 5.88% -5.47% 18.45%	GLOBAL EQUITY SECTOR PERFORMANCE						
MSCI ACWI Consumer Staples Index 0.28% 4.49% 13.85% 0.12% 14.95% MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Information Technology Index 4.95% 23.13% 5.88% -5.47% 18.45%	MSCI ACWI Index		11.41%	18.65%	7.24%	-6.29%	20.99%
MSCI ACWI Energy Index 21.15% 7.41% 6.06% -34.00% 21.02% MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Information Technology Index 4.95% 23.13% 5.88% -5.47% 18.45%	MSCI ACWI Consumer Discretionary Index		17.60%	17.12%	4.59%	2.90%	17.24%
MSCI ACWI Financials Index 4.99% 31.30% 0.78% -7.37% 19.43% MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Consumer Staples Index		0.28%	4.49%	13.85%	0.12%	14.95%
MSCI ACWI Healthcare Index 13.45% 12.17% -0.99% 9.61% 28.93% MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Energy Index		21.15%	7.41%	6.06%	-34.00%	21.02%
MSCI ACWI Industrials Index 8.71% 21.09% 11.82% -6.63% 18.96% MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Financials Index		4.99%	31.30%	0.78%	-7.37%	19.43%
MSCI ACWI Information Technology Index 25.30% 30.00% 17.99% -1.63% 31.06% MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Healthcare Index		13.45%	12.17%	-0.99%	9.61%	28.93%
MSCI ACWI Materials Index 4.95% 23.77% 12.03% -22.37% 15.58% MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Industrials Index		8.71%	21.09%	11.82%	-6.63%	18.96%
MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Information Technology Index		25.30%	30.00%	17.99%	-1.63%	31.06%
MSCI ACWI Telecommunication Services Index -4.92% 3.13% 5.88% -5.47% 18.45%	MSCI ACWI Materials Index		4.95%	23.77%	12.03%	-22.37%	15.58%
	MSCI ACWI Telecommunication Services Index		-4.92%	3.13%	5.88%	-5.47%	18.45%
	MSCI ACWI Utilities Index		-1.48%		9.92%	-8.48%	21.16%

Glossary of Financial Terms

Bear market: A bear market refers to a market environment in which prices are generally falling (or are expected to do so) and investor confidence is low.

Bull market: A bull market refers to a market environment in which prices are generally rising (or are expected to do so) and investor confidence is high.

Fundamentals: Fundamentals refers to data that can be used to assess a country or company's financial health such as amount of debt, level of profitability, cash flow, inventory size, etc.

Yield spreads: Yield spreads represents the difference in yields offered between different types of bonds. If they tighten, this means that the difference has decreased. If they widen, this means the difference has increased.

Dow Jones Industrial Average	The Dow Jones Industrial Average is a widely followed market indicator based on a price-weighted average of 30 blue-chip New York Stock Exchange stocks that are selected by editors of The Wall Street Journal.
NASDAQ Composite Index	The NASDAQ Composite Index is a market-value-weighted index of all common stocks listed on the National Association of Securities Dealers Automated Quotations (NASDAQ) system, representing a subset of the US equity market.
MSCI ACWI Index	The MSCI ACWI Index is a market-capitalization-weighted index composed of over 2,000 companies, and is representative of the market structure of 46 developed- and emerging-market countries in North and South America, Europe, Africa and the Pacific Rim. The Index is calculated with net dividends reinvested in US dollars.
Bloomberg Barclays Global Aggregate Index	The Bloomberg Barclays Global Aggregate Index is an unmanaged market-capitalization-weighted benchmark that tracks the performance of investment-grade fixed-income securities denominated in 13 currencies. The Index reflects reinvestment of all distributions and changes in market prices.
Chicago Board Options Exchange Volatility Index (VIX)	The Chicago Board Options Exchange Volatility Index (VIX) tracks the expected volatility in the S&P 500 Index over the next 30 days. A higher number indicates greater volatility.

Corresponding Indexes for Key Measures Exhibit

Corresponding Indexes for Major Index Performance Exhibit

MSCI ACWI ex-USA Index	The MSCI ACWI ex-USA Index includes both developed- and emerging-market countries, excluding the US.
MSCI Emerging Markets Index	The MSCI Emerging Markets Index is a free float-adjusted market-capitalization-weighted index designed to measure the performance of global emerging-market equities.
MSCI World Index	The MSCI World Index is a free float-adjusted market-capitalization-weighted index that is designed to measure the equity market performance of developed markets.
Bloomberg Barclays Global Aggregate Index	The Bloomberg Barclays Global Aggregate Index is an unmanaged market-capitalization- weighted benchmark that tracks the performance of investment-grade fixed-income securities denominated in 13 currencies. The Index reflects reinvestment of all distributions and changes in market prices.
Bloomberg Barclays Global Aggregate ex-Treasury Index	The Bloomberg Barclays Global Aggregate ex-Treasury Index is an unmanaged market index representative of the total return performance of ex-Treasury major world bond markets.
Bloomberg Barclays Global Treasury Index	The Bloomberg Barclays Global Treasury Index is composed of those securities included in the Bloomberg Barclays Global Aggregate Index that are Treasury securities.

Corresponding Indexes for Fixed-Income Performance Exhibit

US High Yield	BofA Merrill Lynch U.S. High Yield Master II Constrained Index
Global Sovereigns	Bloomberg Barclays Global Treasury Index
Global Non-Government	Bloomberg Barclays Global Aggregate ex-Treasury Index
Emerging Markets (Local)	JPMorgan GBI-EM Global Diversified Index
Emerging Markets (External)	JPMorgan EMBI Global Diversified Index
US Mortgage-Backed Securities (MBS)	Bloomberg Barclays U.S. Mortgage Backed Securities Index
US Asset-Backed Securities (ABS)	Bloomberg Barclays U.S. Asset-Backed Securities Index
US Treasurys	Bloomberg Barclays U.S. Treasury Index
US Treasury Inflation-Protected Securities (TIPS)	Bloomberg Barclays 1-10 Year U.S. TIPS Index
US Investment-Grade Corporates	Bloomberg Barclays U.S. Corporate Investment Grade Index

Corresponding Indexes for Regional Equity Performance Exhibit

United States	S&P 500 Index
United Kingdom	FTSE All-Share Index
Pacific ex Japan	MSCI Pacific ex Japan Index (Net)
Japan	TOPIX, also known as the Tokyo Stock Price Index
Europe ex UK	MSCI Europe ex UK Index (Net)
EM Latin America	MSCI Emerging Markets Latin America Index (Net)

Important Information

Data refers to past performance. Past performance is not a reliable indicator of future results.

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