

# Q1

Quarterly Market Review  
First Quarter 2017

# Quarterly Market Review

First Quarter 2017

This report features world capital market performance and a timeline of events for the past quarter. It begins with a global overview, then features the returns of stock and bond asset classes in the US and international markets.

The report also illustrates the impact of globally diversified portfolios and features a quarterly topic.

## Overview:

Market Summary

World Stock Market Performance

World Asset Classes

US Stocks

International Developed Stocks

Emerging Markets Stocks

Select Country Performance

Select Currency Performance vs. US Dollar

Real Estate Investment Trusts (REITs)

Commodities







Fixed Income

Impact of Diversification

Quarterly Topic: Investment Shock Absorbers

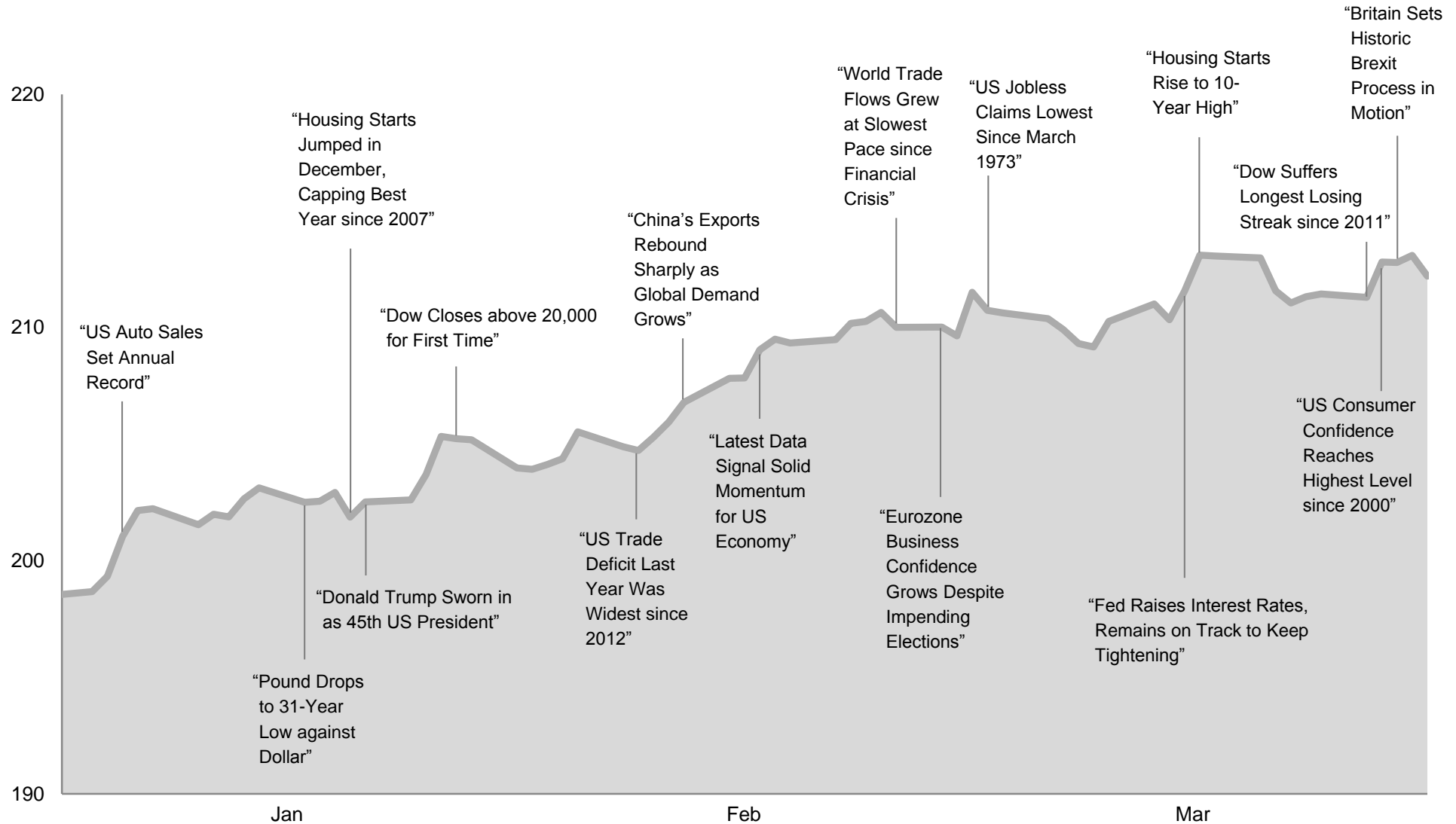
# Market Summary

## Index Returns

	US Stock Market	International Developed Stocks	Emerging Markets Stocks	Global Real Estate	US Bond Market	Global Bond Market ex US
<b>1Q 2017</b>	<b>STOCKS</b>				<b>BONDS</b>	
	<b>5.74%</b>	<b>6.81%</b>	<b>11.44%</b>	<b>1.44%</b>	<b>0.82%</b>	<b>-0.35%</b>
						
<b>Since Jan. 2001</b>						
Avg. Quarterly Return	1.9%	1.4%	3.0%	2.7%	1.2%	1.1%
Best Quarter	16.8% Q2 2009	25.9% Q2 2009	34.7% Q2 2009	32.3% Q3 2009	4.6% Q3 2001	5.5% Q4 2008
Worst Quarter	-22.8% Q4 2008	-21.2% Q4 2008	-27.6% Q4 2008	-36.1% Q4 2008	-3.0% Q4 2016	-3.2% Q2 2015

# World Stock Market Performance

MSCI All Country World Index with selected headlines from Q1 2017

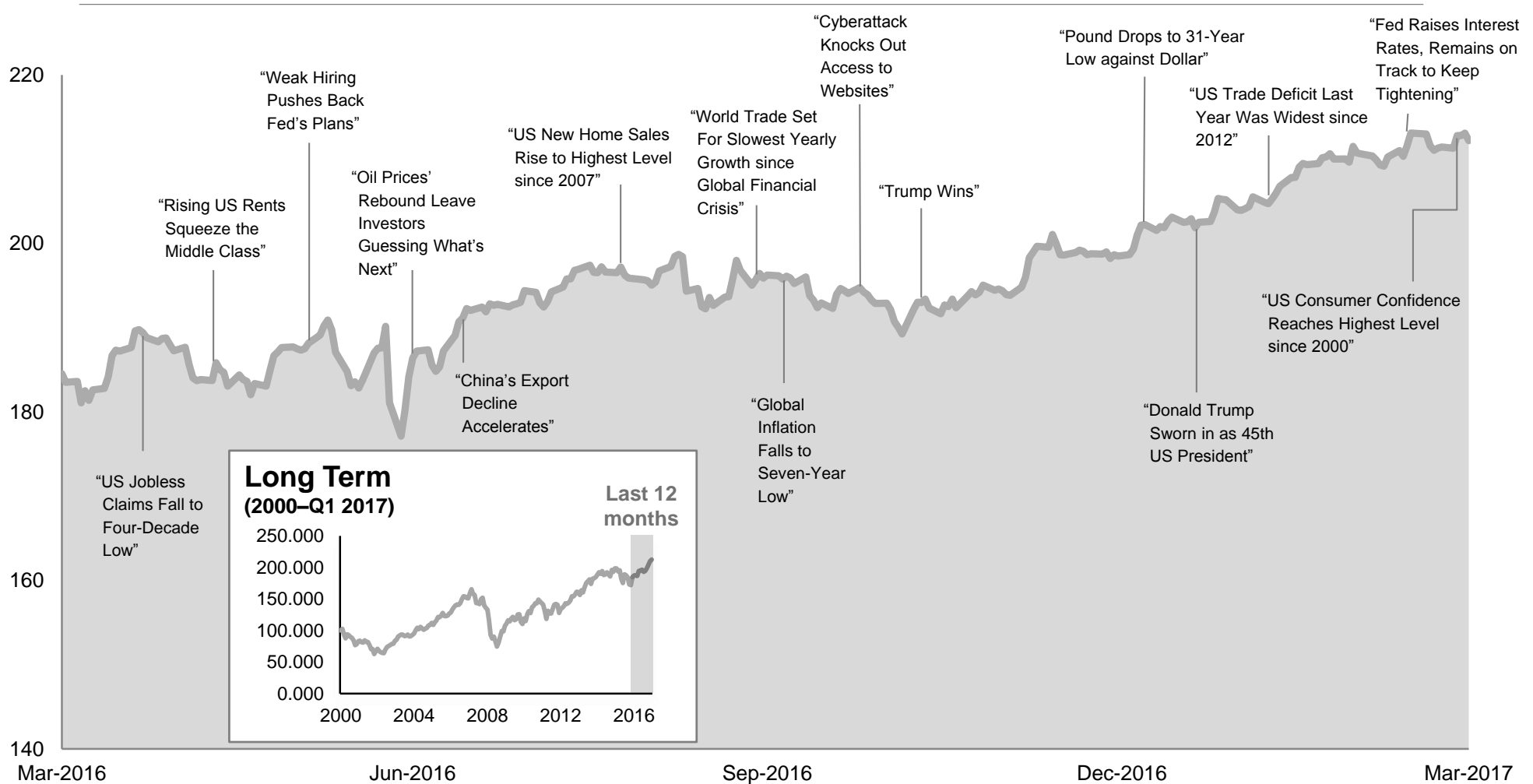


These headlines are not offered to explain market returns. Instead, they serve as a reminder that investors should view daily events from a long-term perspective and avoid making investment decisions based solely on the news.

# World Stock Market Performance

MSCI All Country World Index with selected headlines from past 12 months

## Short Term (Q1 2016–Q1 2017)



These headlines are not offered to explain market returns. Instead, they serve as a reminder that investors should view daily events from a long-term perspective and avoid making investment decisions based solely on the news.

Graph Source: MSCI ACWI Index [net div.]. MSCI data © MSCI 2017, all rights reserved.

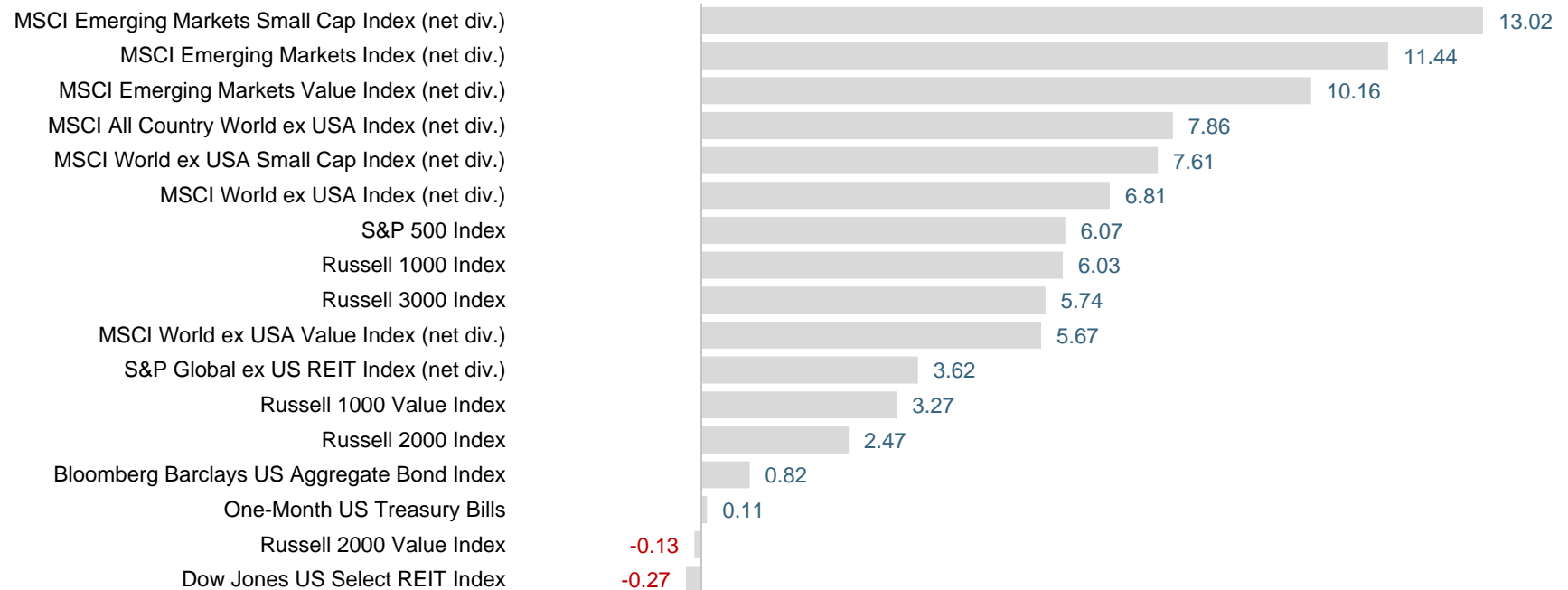
It is not possible to invest directly in an index. Performance does not reflect the expenses associated with management of an actual portfolio. **Past performance is not a guarantee of future results.**

# World Asset Classes

## First Quarter 2017 Index Returns (%)

Looking at broad market indices, emerging markets outperformed both US and non-US developed markets during the quarter. Real estate investment trusts (REITs) lagged their equity market counterparts.

The value effect was negative in the US, non-US, and emerging markets. Small caps outperformed large caps in emerging markets and non-US developed markets but underperformed in the US.



# US Stocks

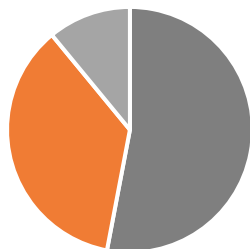
## First Quarter 2017 Index Returns

The broad US equity market recorded positive absolute performance for the quarter.

Value underperformed growth indices across all size ranges.

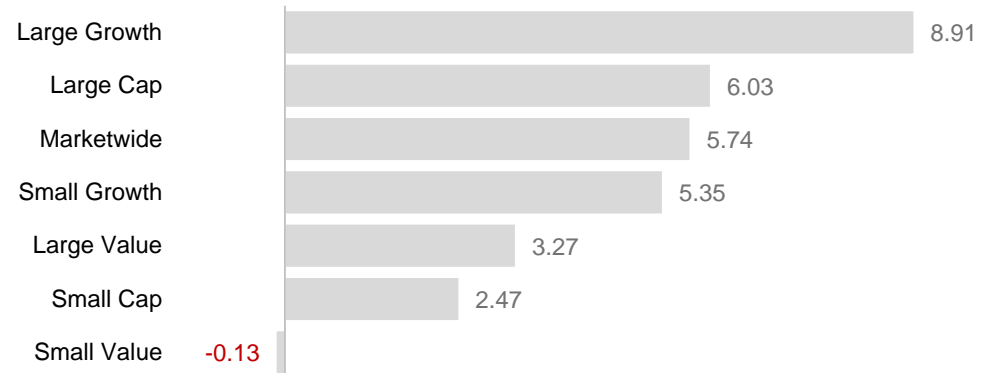
Small caps underperformed large caps.

### World Market Capitalization—US



**53%**  
US Market  
\$24.5 trillion

### Ranked Returns for the Quarter (%)



### Period Returns (%)

\* Annualized

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Marketwide	18.07	9.76	13.18	7.54
Large Cap	17.43	9.99	13.26	7.58
Large Cap Value	19.22	8.67	13.13	5.93
Large Cap Growth	15.76	11.27	13.32	9.13
Small Cap	26.22	7.22	12.35	7.12
Small Cap Value	29.37	7.62	12.54	6.09
Small Cap Growth	23.03	6.72	12.10	8.05

# International Developed Stocks

## First Quarter 2017 Index Returns

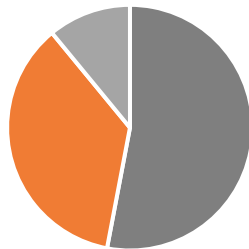
In US dollar terms, developed markets outperformed the US equity market but underperformed emerging markets indices during the quarter.

Small caps outperformed large caps in non-US developed markets.

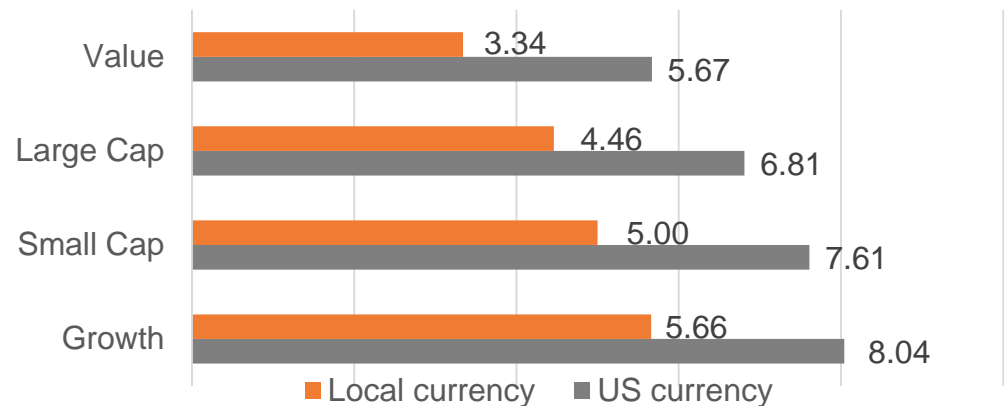
The value effect was negative across all size ranges in non-US developed markets.

### World Market Capitalization—International Developed

**36%**  
International  
Developed  
Market  
\$16.7 trillion



### Ranked Returns (%)



### Period Returns (%)

\* Annualized

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Large Cap	11.93	0.35	5.38	1.13
Small Cap	11.58	2.70	7.78	2.72
Value	16.46	-0.67	5.19	0.31
Growth	7.47	1.27	5.48	1.87



# Emerging Markets Stocks

## First Quarter 2017 Index Returns

In US dollar terms, emerging markets indices outperformed both the US and developed markets outside the US.

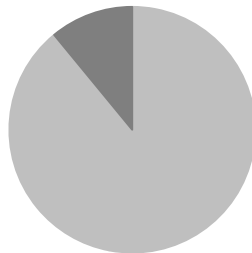
The value effect was negative among large cap stocks in emerging markets but positive among small cap stocks.

Small caps outperformed large caps.

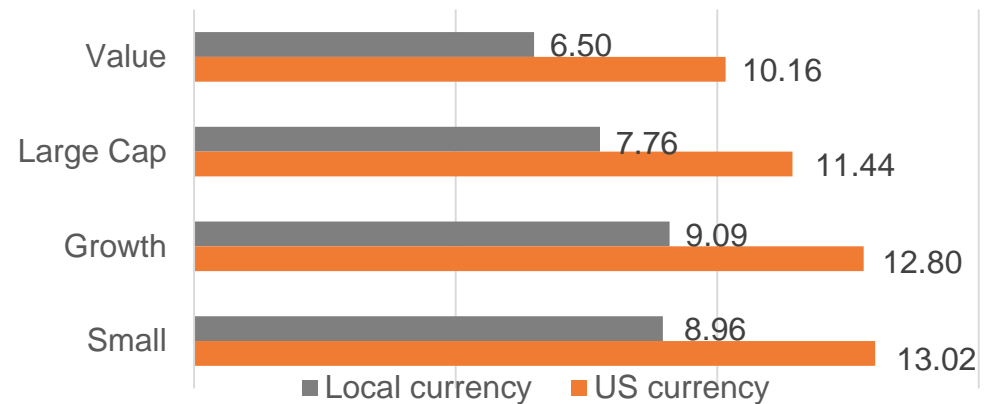
### World Market Capitalization—Emerging Markets

11%

Emerging Markets  
\$5.1 trillion



### Ranked Returns (%)



### Period Returns (%)

\* Annualized

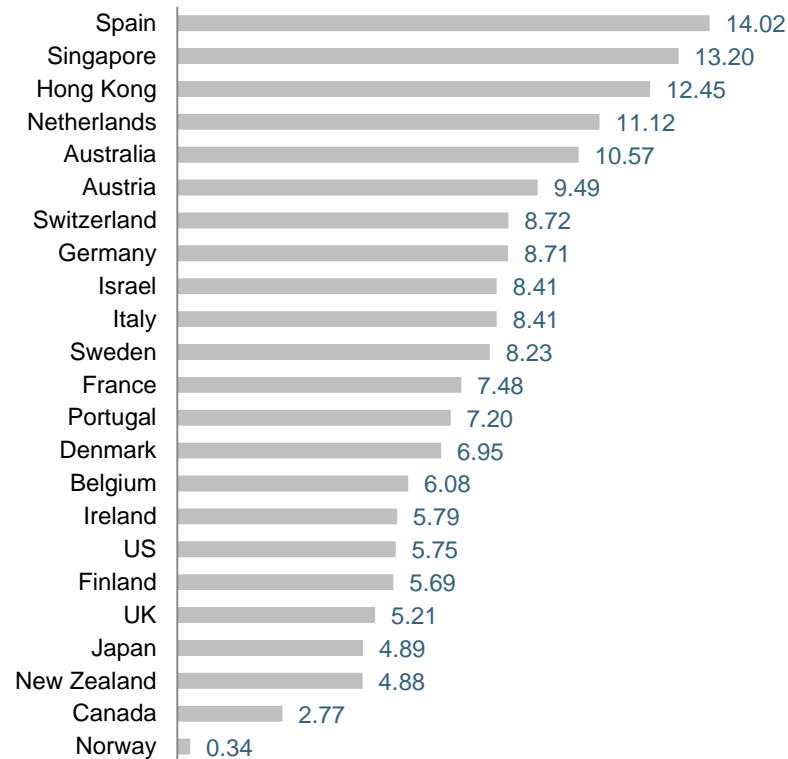
Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Large Cap	17.21	1.18	0.81	2.72
Small Cap	14.49	1.66	2.87	3.92
Value	17.43	-0.10	-1.01	2.67
Growth	17.08	2.37	2.54	2.69

# Select Country Performance

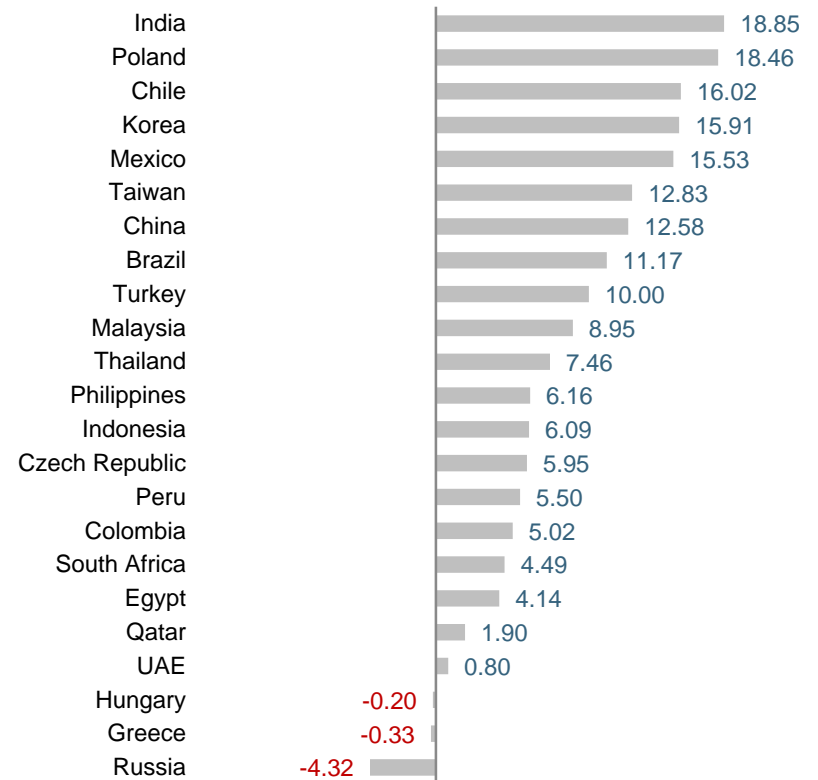
## First Quarter 2017 Index Returns

In US dollar terms, Spain and Singapore recorded the highest country performance in developed markets, while Canada and Norway returned the lowest performance for the quarter. In emerging markets, India and Poland posted the highest country returns, while Greece and Russia returned the lowest performance.

Ranked Developed Markets Returns (%)



Ranked Emerging Markets Returns (%)

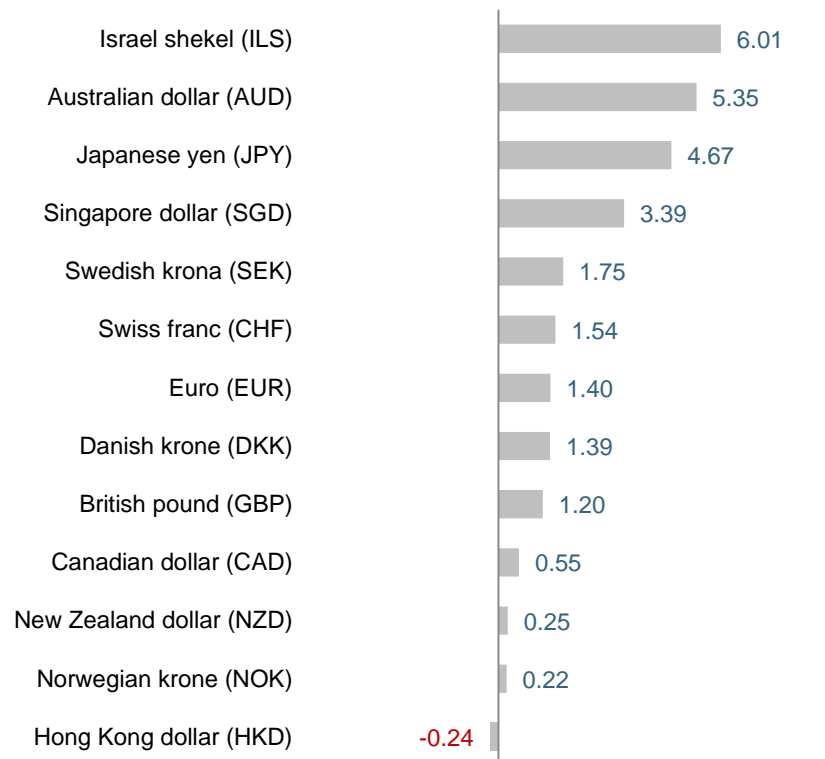


# Select Currency Performance vs. US Dollar

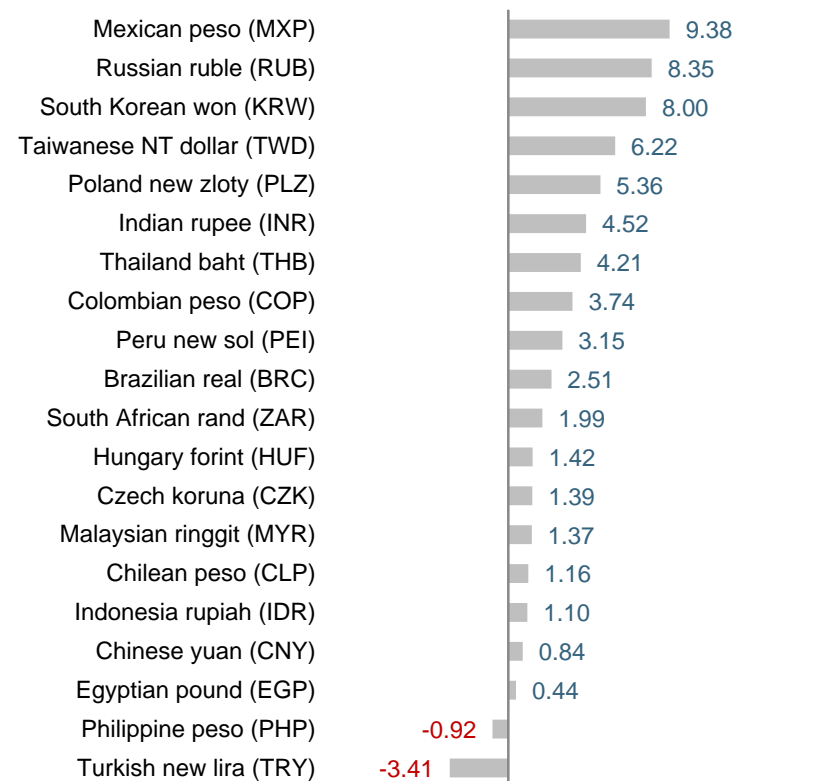
First Quarter 2017

Most non-US developed markets currencies appreciated against the US dollar during the quarter, with the Israeli shekel and the Australian dollar experiencing the greatest appreciation. In emerging markets, the Mexican peso appreciated nearly 10%, while the Turkish lira depreciated almost 4%.

Ranked Developed Markets (%)



Ranked Emerging Markets (%)

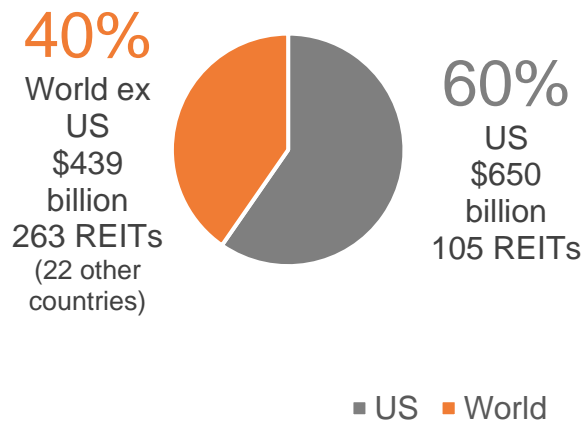


# Real Estate Investment Trusts (REITs)

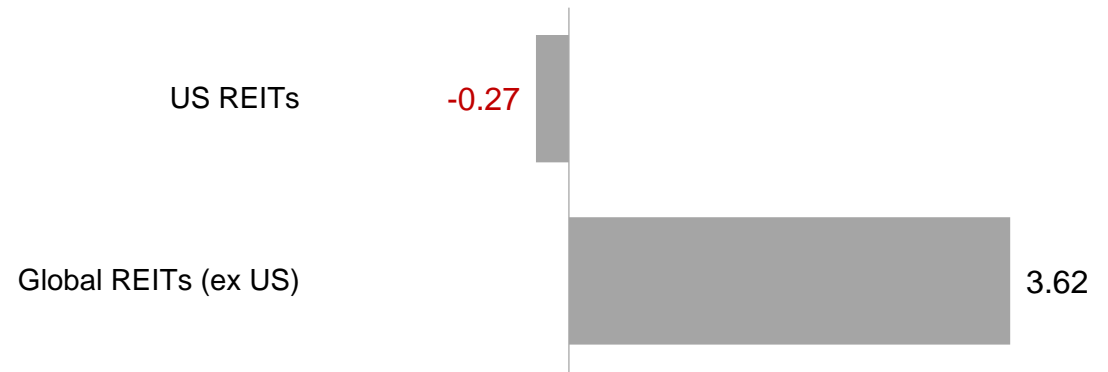
## First Quarter 2017 Index Returns

Real estate investment trusts (REITs) lagged their equity market counterparts.

### Total Value of REIT Stocks



### Ranked Returns (%)



### Period Returns (%)

Asset Class	* Annualized			
	1 Year	3 Years*	5 Years*	10 Years*
US REITs	1.21	9.96	9.45	4.22
Global REITs (ex US)	-1.61	3.46	6.79	-0.39

# Commodities

## First Quarter 2017 Index Returns

The Bloomberg Commodity Index Total Return declined 2.33% during the first quarter of 2017.

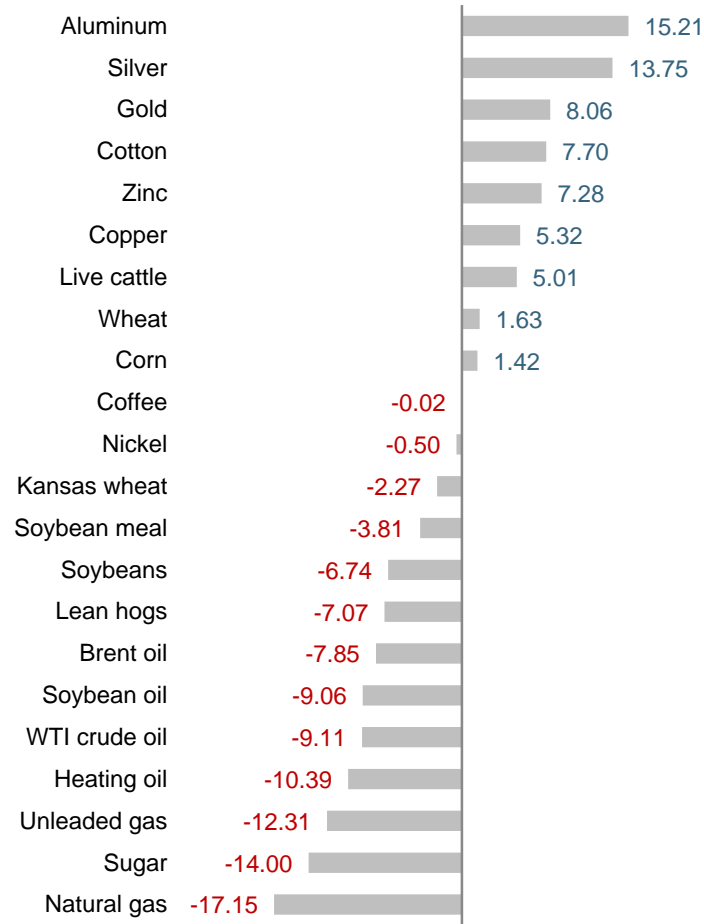
The industrial and precious metals complexes were the top performers. Aluminum gained 15.21%, silver rose 13.75%, and gold climbed 8.06%.

Energy was the worst-performing complex. Natural gas declined 17.15%, while unleaded gas fell 12.31%. Heating oil declined 10.39%, and WTI crude oil fell 9.11%.

### Period Returns (%) \* Annualized

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Commodities	8.71	-13.91	-9.54	-6.22

### Ranked Returns for Individual Commodities (%)



# Fixed Income

## First Quarter 2017 Index Returns

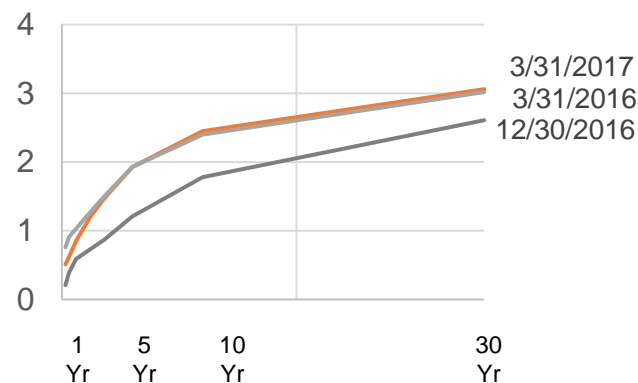
Interest rates were mixed across the US fixed income market during the first quarter of 2017. The yield on the 5-year Treasury note was unchanged, ending at 1.93%. The yield on the 10-year Treasury note decreased 5 basis points (bps) to 2.40%. The 30-year Treasury bond yield decreased 4 bps to 3.02%.

The yield on the 1-year Treasury bill rose 18 bps to 1.03%, and the 2-year T-note yield increased 7 bps to 1.27%. The yield on the 3-month T-bill increased 25 bps to 0.76%, while the 6-month T-bill yield rose 29 bps to 0.91%.

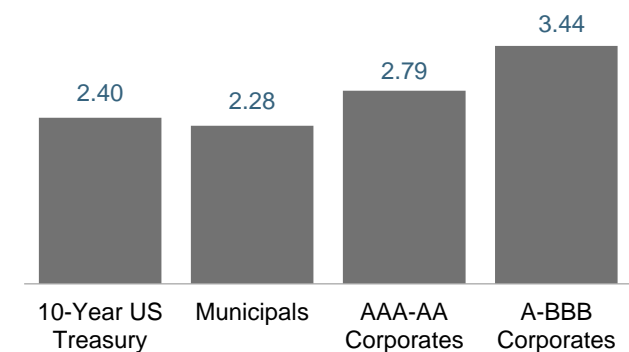
Looking at total returns, short-term corporate bonds gained 0.69% and intermediate-term corporate bonds gained 1.16%.

Short-term municipal bonds generated a total return of 1.20%, while intermediate-term municipal bonds returned 1.91%. Revenue bonds performed in line with general obligation bonds.

US Treasury Yield Curve (%)



Bond Yields across Issuers (%)



Period Returns (%)

Asset Class	* Annualized			
	1 Year	3 Years*	5 Years*	10 Years*
Bloomberg Barclays Long US Govt. Bond Index	-4.78	5.81	4.05	6.65
Bloomberg Barclays Municipal Bond Index	0.15	3.55	3.24	4.33
Bloomberg Barclays US Aggregate Bond Index	0.44	2.68	2.34	4.27
Bloomberg Barclays US Corporate High Yield Index	16.39	4.56	6.82	7.46
Bloomberg Barclays US TIPS Index	1.48	2.03	0.97	4.24
BofA Merrill Lynch 1-Year US Treasury Note Index	0.56	0.39	0.35	1.31
BofA Merrill Lynch Three-Month US Treasury Bill Index	0.36	0.17	0.14	0.68
Citi World Govt. Bond Index 1-5 Years (hedged to USD)	0.64	1.38	1.38	2.54

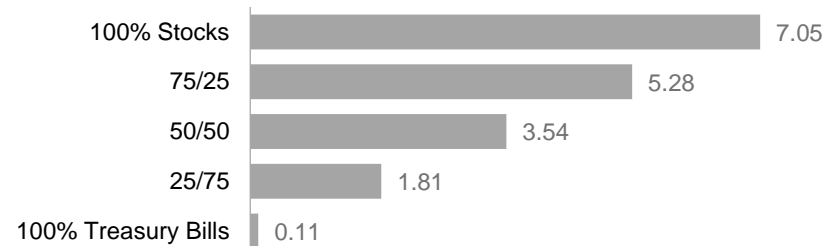
# Impact of Diversification

## First Quarter 2017 Index Returns

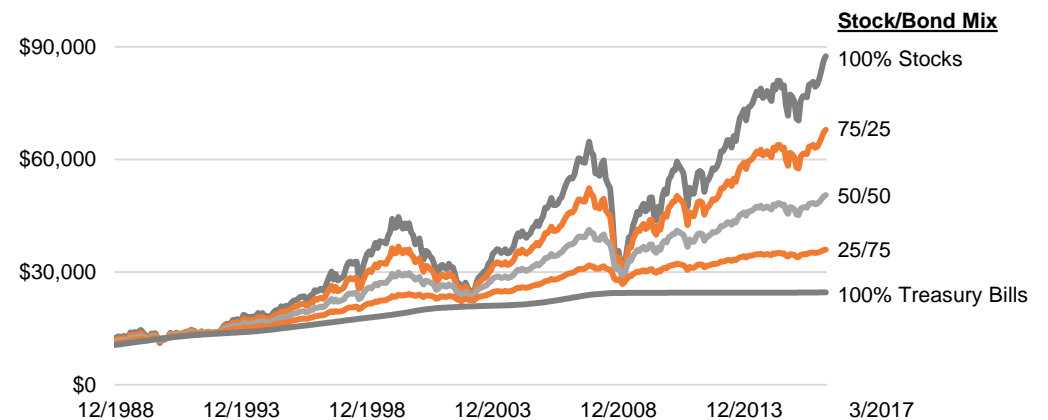
These portfolios illustrate the performance of different global stock/bond mixes. Mixes with larger allocations to stocks are considered riskier but have higher expected returns over time.

Asset Class	Period Returns (%)					* Annualized
	1 Year	3 Years*	5 Years*	10 Years*	10-Year STDEV <sup>1</sup>	
100% Stocks	15.69	5.65	8.97	4.56	17.01	
75/25	11.67	4.35	6.80	3.84	12.75	
50/50	7.76	2.99	4.60	2.93	8.50	
25/75	3.96	1.58	2.36	1.83	4.24	
100% Treasury Bills	0.26	0.11	0.08	0.56	0.36	

### Ranked Returns (%)



### Growth of Wealth: The Relationship between Risk and Return



1. STDEV (standard deviation) is a measure of the variation or dispersion of a set of data points. Standard deviations are often used to quantify the historical return volatility of a security or portfolio.

# Investment Shock Absorbers

First Quarter 2017

Ever ridden in a car with worn-out shock absorbers? Every bump is jarring, every corner stomach-churning, and every red light an excuse to assume the brace position. Owning an undiversified portfolio can trigger similar reactions.

You can drive a car with a broken suspension system, but it will be an extremely uncomfortable ride and the vehicle will be much harder to control, particularly in difficult conditions. Throw in the risk of a breakdown or running off the road altogether, and there's a real chance you may not reach your destination.

In the world of investment, a similarly bumpy and unpredictable ride can await those with concentrated and undiversified portfolios or those who constantly tinker with their allocation.

Of course, everyone feels in control when the surface is straight and smooth, but it's harder to stay on the road during sudden turns and ups and downs in the market. For that reason, the smart thing to do is to diversify, spreading your portfolio across different securities, sectors, and countries. That also means identifying the right mix of investments (e.g., stocks, bonds, real estate) that aligns with your risk tolerance.

Using this approach, your returns from year to year may not match the top performing portfolio, but neither are they likely to match the worst. More importantly, this is a ride you are likelier to stick with.

Here's an example. Among developed markets, Denmark was number one in US dollar terms in 2015 with a return of more than 23%. But a big bet on that country the following year would have backfired, as Denmark slid to bottom of the table with a loss of nearly 16%.<sup>1</sup>

It's true that the US stock market (by far the world's biggest) has been a strong performer in recent years. But a decade before, in 2004 and 2006, it was the second worst-performing developed market in the world.<sup>1</sup>

Predicting which part of a market will do best over a given period is tough. US small cap stocks were

among the top performers in 2016 with a return of more than 21%. A year before, their results looked relatively disappointing with a loss of more than 4%. International small cap stocks had their turn in the sun in 2015, topping the performance tables with a return of just below 6%. But the year before that, they were the second worst with a loss of 5%.<sup>2</sup>

If you've ever taken a long road trip, you'll know that conditions along the way can change quickly and unpredictably, which is why you need a vehicle that's ready for the worst roads as well as the best. While diversification can never completely eliminate the impact of bumps along your particular investment road, it does help reduce the potential outsized impact that any individual investment can have on your journey.

With sufficient diversification, the jarring effects of performance extremes level out. That, in turn, helps you stay in your chosen lane and on the road to your investment destination.

Happy motoring and happy investing.

1. In US dollars. MSCI developed markets country indices (net dividends). MSCI data © MSCI 2017, all rights reserved.

2. In US dollars. US Small Cap is the Russell 2000 Index. Frank Russell Company is the source and owner of the trademarks, service marks, and copyrights related to the Russell Indexes. International Small Cap is the MSCI World ex