



# Q3

Quarterly Market Review  
Third Quarter 2012

# Quarterly Market Review

Third Quarter 2012

This report features world capital market performance and a timeline of events for the last 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 performance of globally diversified portfolios and features a topic of the quarter.

## Overview:

Market Summary

Timeline of Events

World Asset Classes

US Stocks

International Developed Stocks

Emerging Markets Stocks

Select Country Performance

Real Estate Investment Trusts (REITs)

Commodities

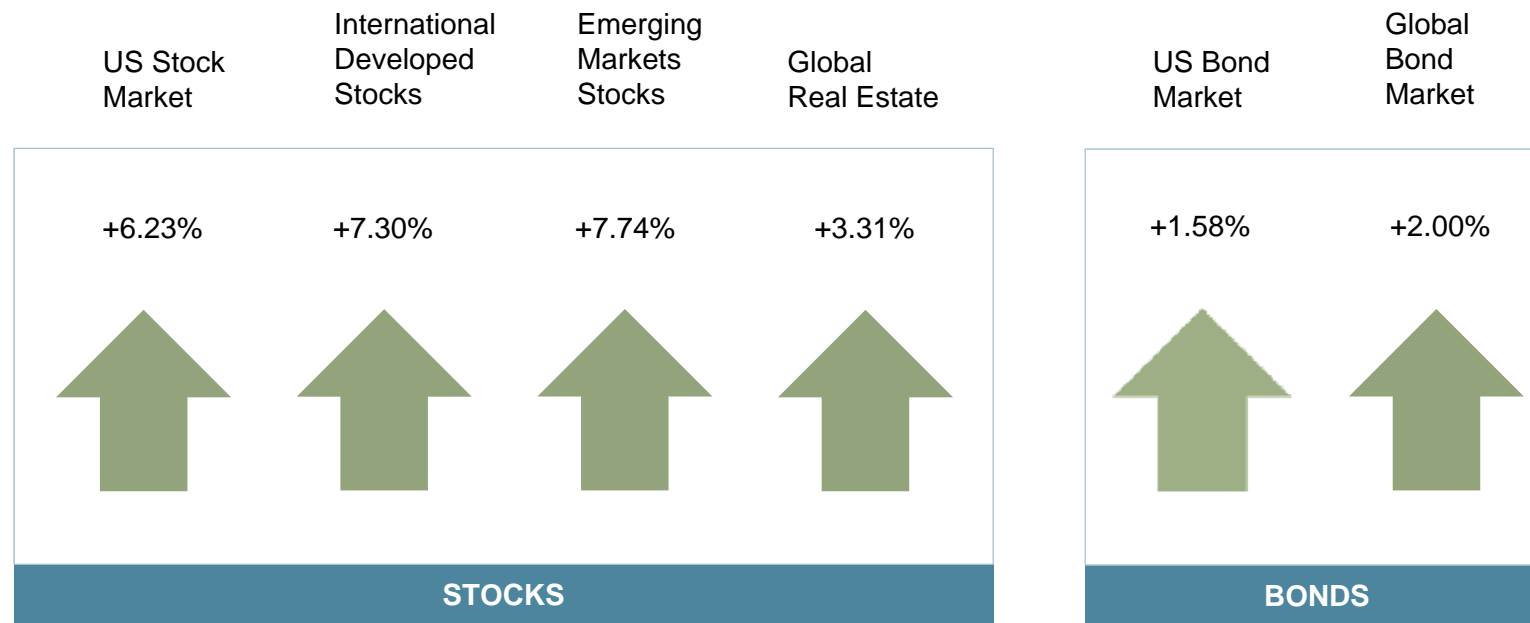
Fixed Income

Global Diversification

Quarterly Topic: Nightmare on Wall Street

# Market Summary

Third Quarter 2012 Index Returns



Market segment (index representation) as follows: US Stock Market (Russell 3000 Index); International Developed Stocks (MSCI World ex USA Index [net div.]), Emerging Markets (MSCI Emerging Markets Index [net div.]), Global Real Estate (S&P Global REIT Index), US Bond Market (Barclays Capital US Aggregate Bond Index), and Global Bond Market (Barclays Capital Global Aggregate Bond Index [Hedged to USD]). The S&P data are provided by Standard & Poor's Index Services Group. Russell data copyright © Russell Investment Group 1995–2012, all rights reserved. MSCI data copyright MSCI 2012, all rights reserved. Barclays Capital data provided by Barclays Bank PLC. US long-term bonds, bills, and inflation data © Stocks, Bonds, Bills, and Inflation Yearbook™, Ibbotson Associates, Chicago (annually updated work by Roger G. Ibbotson and Rex A. Sinquefeld). Index performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is not a guarantee of future results.

# Timeline of Events: Quarter in Review

Third Quarter 2012

Barclay's CEO Bob Diamond steps down amid LIBOR manipulation scandal.

JPMorgan Chase says its losses related to credit-derivatives trades have ballooned to \$5.8 billion.

The 2012 Summer Olympics open in London, making it the first city to have hosted the modern Games of three Olympiads.

Knight Capital obtains a \$400 million emergency bailout after faulty software produced wild swings in some share prices on the NYSE.

Belize misses a debt payment, setting the stage for the first nation to default since Greece.

Apple becomes the largest US company ever, measured by market cap.

Andy Murray wins the US Open in New York, becoming the first British man to win a tennis Grand Slam singles title since Fred Perry in 1936.

US home-price indices record positive growth for the first time in two years.

S&P 500 Index

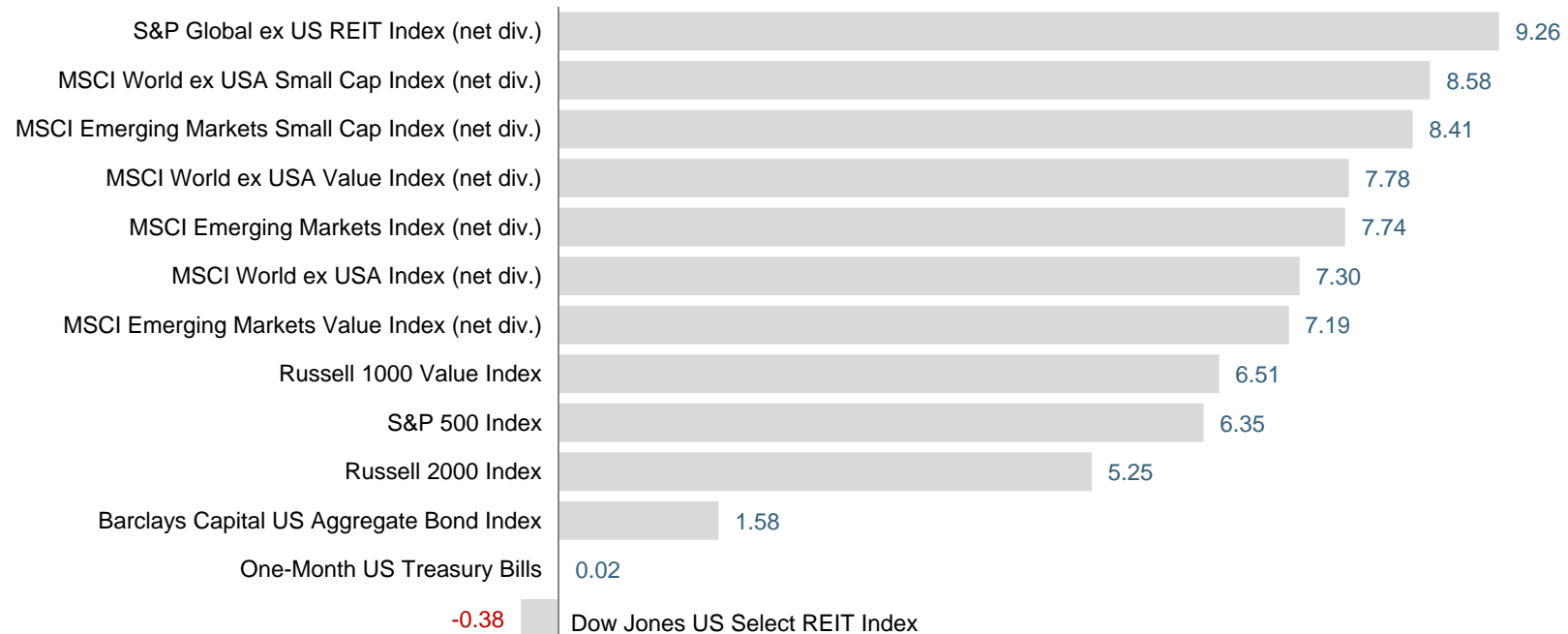
1365  
07/02/2012

1441  
09/28/2012

# World Asset Classes

## Third Quarter 2012 Index Returns

Global equity markets posted strong returns in the third quarter, turning the tide on the year-to-date figures and bringing them back firmly into the positive. Continued quantitative easing in the US, Japan, and EU seemed to improve overall investor sentiment toward equities while also keeping fixed income yields at historical lows.



Market segment (index representation) as follows: US Large Cap (S&P 500 Index), US Small Cap (Russell 2000 Index), US Value (Russell 1000 Value Index), US Real Estate (Dow Jones US Select REIT Index), Global Real Estate (S&P Global ex US REIT Index), International Developed Large, Small, and Value (MSCI World ex USA, ex USA Small, and ex USA Value Indexes [net div.]), Emerging Markets Large, Small, and Value (MSCI Emerging Markets, Emerging Markets Small, and Emerging Markets Value Indexes), US Bond Market (Barclays Capital US Aggregate Bond Index), and Treasury (One-Month US Treasury Bills). The S&P data are provided by Standard & Poor's Index Services Group. Russell data copyright © Russell Investment Group 1995–2012, all rights reserved. MSCI data copyright MSCI 2012, all rights reserved. Dow Jones data (formerly Dow Jones Wilshire) provided by Dow Jones Indexes. Barclays Capital data provided by Barclays Bank PLC. US long-term bonds, bills, and inflation data © Stocks, Bonds, Bills, and Inflation Yearbook™, Ibbotson Associates, Chicago (annually updated work by Roger G. Ibbotson and Rex A. Sinquefeld). Index performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is not a guarantee of future results.

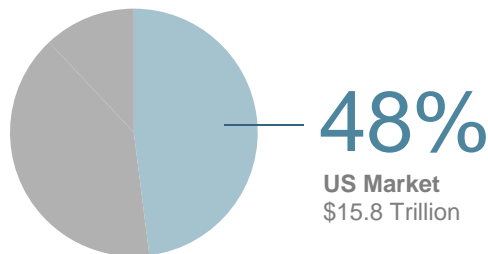
# US Stocks

## Third Quarter 2012 Index Returns

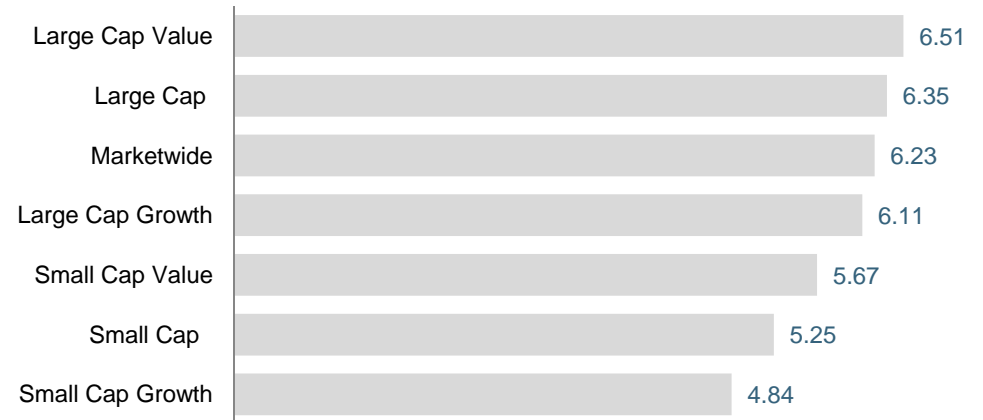
All major US asset classes logged positive performance in the 3<sup>rd</sup> quarter, with the broad market returning 6.23%. Asset class returns ranged from 4.84% for small growth stocks to 6.51% for large value stocks.

Across the size and style spectrum, large outperformed small while value bested growth.

## World Market Capitalization—US



## Ranked Returns for the Quarter (%)



## Period Returns (%)

Asset Class	* Annualized			
	1 Year	3 Years*	5 Years*	10 Years*
Marketwide	30.20	13.26	1.30	8.49
Large Cap	30.20	13.20	1.05	8.01
Large Cap Value	30.92	11.84	-0.90	8.17
Large Cap Growth	29.19	14.73	3.24	8.41
Small Cap	31.91	12.99	2.21	10.17
Small Cap Value	32.63	11.72	1.35	9.68
Small Cap Growth	31.18	14.19	2.96	10.55

# International Developed Stocks

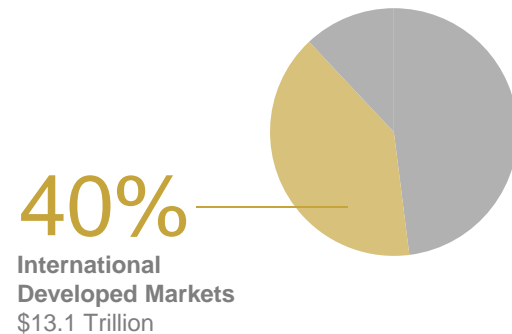
## Third Quarter 2012 Index Returns

International developed equities followed a story similar to that of the US, with all major asset classes posting positive returns for the quarter. At the country level, Greece led the way with a return of 21.05%.

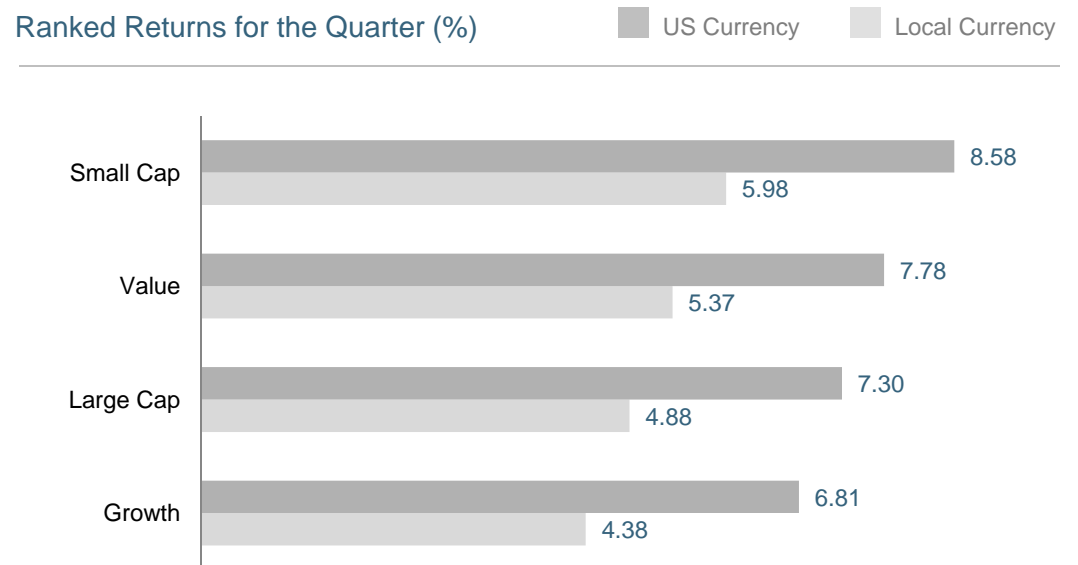
Following the trend from the second quarter, the US dollar continued to appreciate against all major foreign currencies, boosting the returns of dollar denominated foreign investments.

Across the size and style spectrum, small beat large and value bested growth.

### World Market Capitalization—International Developed



### Ranked Returns for the Quarter (%)



### Period Returns (%)

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Large Cap	13.76	2.50	-4.84	8.66
Small Cap	12.82	5.68	-2.62	11.55
Value	12.98	0.72	-5.66	9.03
Growth	14.48	4.25	-4.09	8.21

\* Annualized

# Emerging Markets Stocks

## Third Quarter 2012 Index Returns

The broad market returned 7.74%, with all other major asset classes posting positive returns. Small cap led the way at 8.41% while value stocks finished last, slightly trailing at 7.19%. All emerging markets countries posted positive returns with the exception of Morocco at -3.75%.

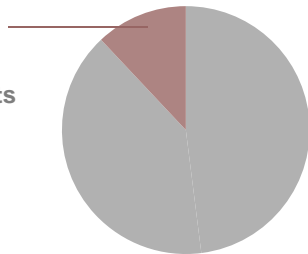
The dollar appreciated against all of the main emerging markets currencies, positively affecting dollar-denominated returns of emerging markets equities by 1.83%.

The results of the size and style dimensions were mixed, with small beating large and growth besting value.

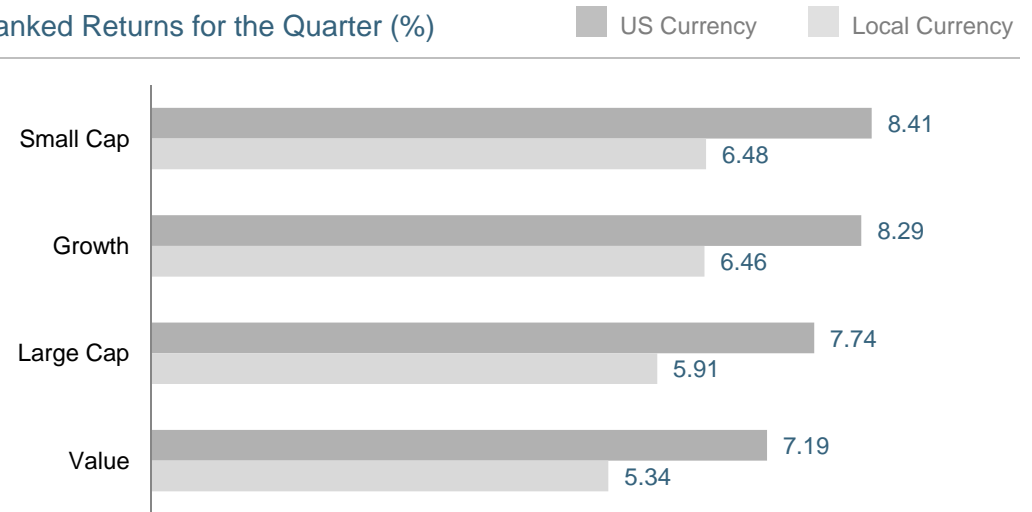
### World Market Capitalization—Emerging Markets

**12%**

Emerging Markets  
\$4.1 Trillion



### Ranked Returns for the Quarter (%)



### Period Returns (%)

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
Large Cap	16.93	5.63	-1.28	17.00
Small Cap	15.52	6.54	-1.04	17.75
Value	15.41	5.21	0.00	18.77
Growth	18.47	6.05	-2.60	15.20

\* Annualized

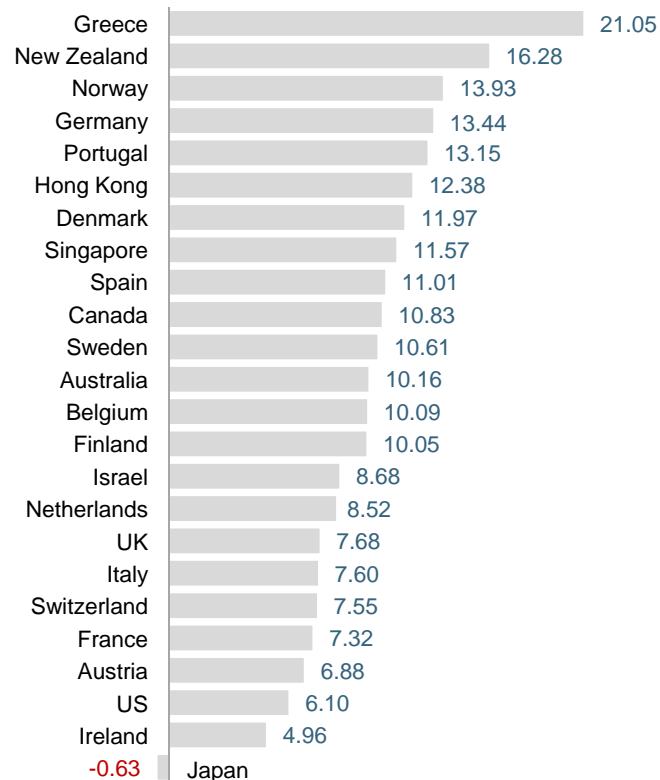


# Select Country Performance

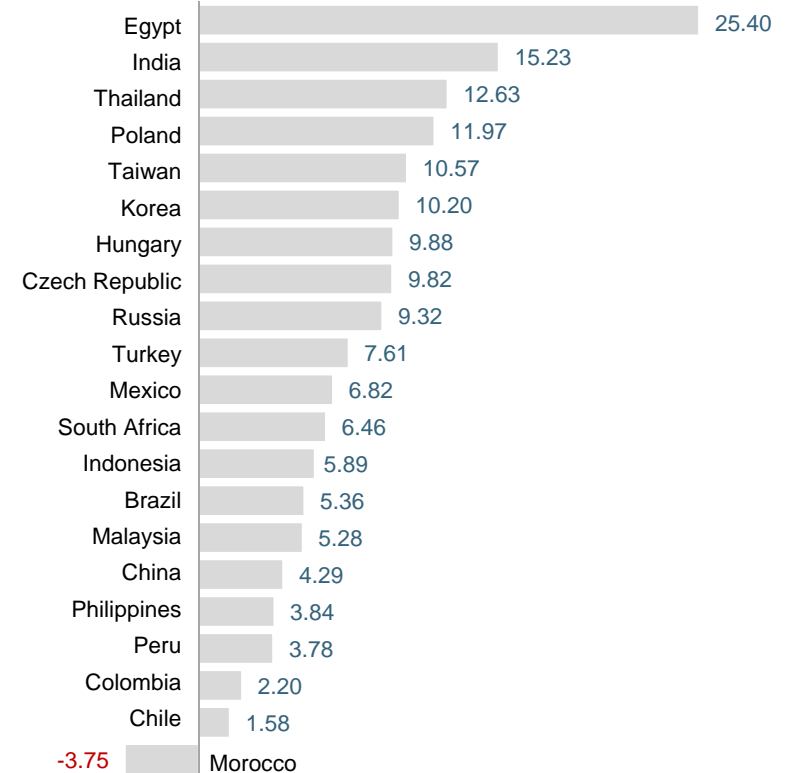
## Third Quarter 2012 Index Returns

With confidence in equities appearing to rebound after previous concerns over the European debt crisis, all developed markets countries posted positive returns with the exception of Japan. Despite being the epicenter of the European debt crisis, Greece led the way with a quarterly return of 21.05%. Emerging markets told a similar story: all but one country posted positive returns.

### Developed Markets (% Returns)



### Emerging Markets (% Returns)



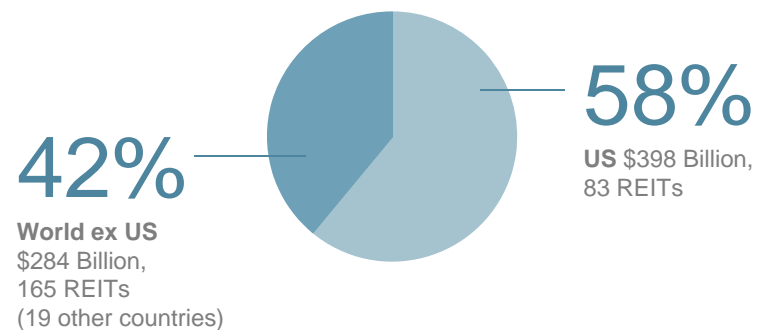
# Real Estate Investment Trusts (REITs)

## Third Quarter 2012 Index Returns

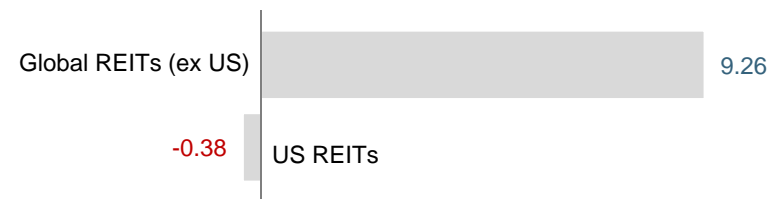
International REITs outperformed US REITs in the quarter, posting a positive return of 9.26% versus a 0.38% loss.

The negative return for US REITs marked only the 2<sup>nd</sup> negative quarter since 2010, while international REITs posted their 4<sup>th</sup> straight positive quarter.

### Total Value of REIT Stocks



### Ranked Returns for the Quarter (%)



### Period Returns (%)

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
US REITs	32.06	20.52	1.60	11.28
Global REITs (ex US)	25.64	9.96	-4.65	10.82

\* Annualized

# Commodities

## Third Quarter 2012 Index Returns

Reversing the trend of the previous quarter, Commodities posted a positive return of 9.69%.

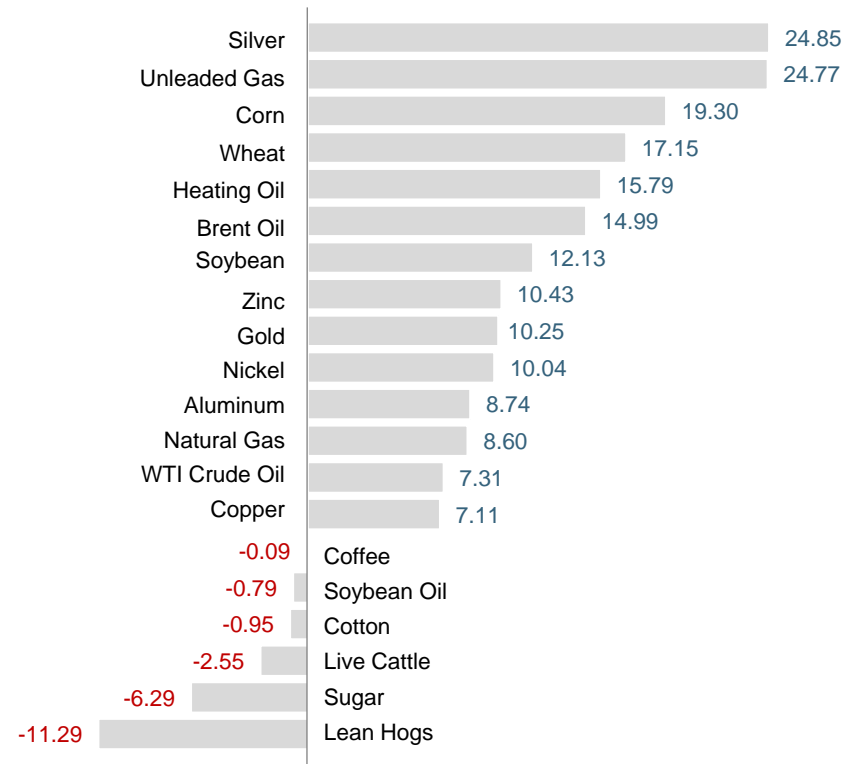
Leading the rise were silver and unleaded gas, with returns of 24.85% and 24.77%, respectively. Lean hogs trailed all other commodities, posting a return of -11.29% for the quarter.

### Period Returns (%)

Asset Class	Q3	1 Year	3 Years*	5 Years*	10 Years*
Commodities	9.69	5.99	5.26	-3.03	5.20

\* Annualized

### Individual Commodity (% Returns)



# Fixed Income

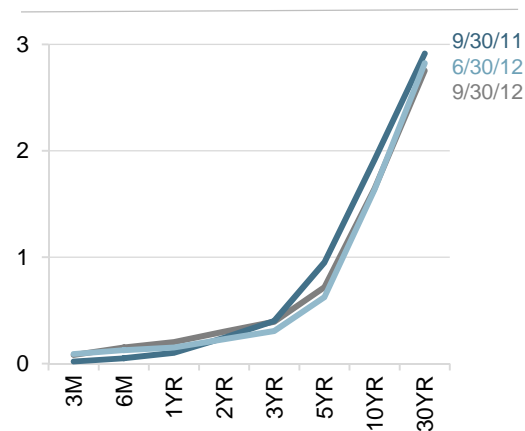
## Third Quarter 2012 Index Returns

Global investor demand for high-quality paper continued in the third quarter, producing sustained low yields and high prices.

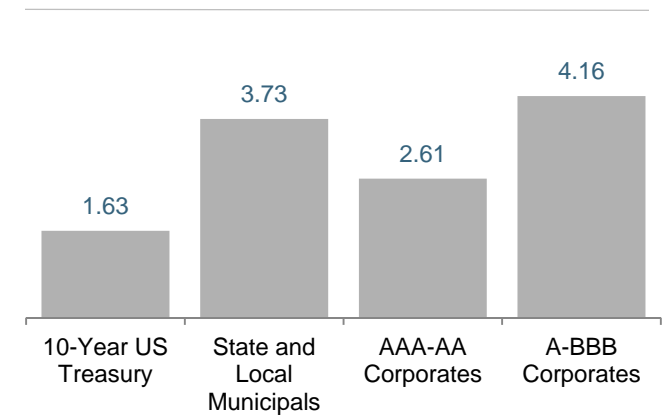
The relative safety of sovereign debt—and fixed income, in general—remains the preferred allocation for investors seeking a high quality refuge. Absolute yields on sovereign debt have remained at or near historical lows and even at negative levels.

Over the quarter, credit risk was rewarded, driven by investor desire for incremental yield. US corporate spreads relative to Treasuries narrowed over the quarter by 43 basis points. Spread compression was largely driven by the lower rung of the investment grade universe.

US Treasury Yield Curve



Bond Yields across Different Issuers



Period Returns (%)

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
One-Month US Treasury Bills (SBBI)	0.04	0.07	0.58	1.69
Bank of America Merrill Lynch Three-Month T-Bills	0.07	0.11	0.72	1.82
Bank of America Merrill Lynch One-Year US Treasury Note	0.27	0.57	1.72	2.25
Citigroup World Government Bond 1-5 Years (hedged)	2.12	2.08	3.35	3.38
US Long-Term Government Bonds (SBBI)	7.89	11.83	10.93	7.73
Barclays Capital Corporate High Yield	19.37	12.90	9.34	10.98
Barclays Capital Municipal Bonds	8.32	5.99	6.06	5.03
Barclays Capital US TIPS Index	9.10	9.29	7.93	6.64

\* Annualized

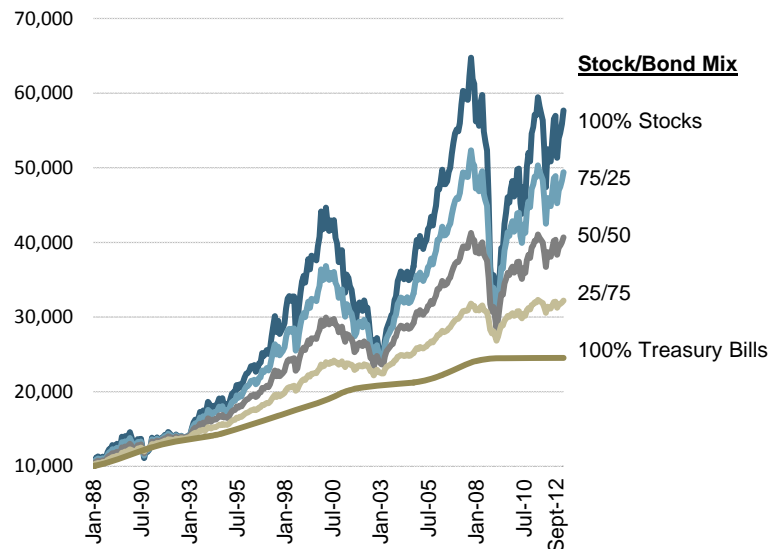
Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Yield curve data from Federal Reserve. State and local bonds are from the Bond Buyer Index, general obligation, 20 years to maturity, mixed quality. AAA-AA Corporates represent the Bank of America Merrill Lynch US Corporates, AA-AAA rated. A-BBB Corporates represent the Bank of America Merrill Lynch US Corporates, BBB-A rated. Barclays Capital data, formerly Lehman Brothers, provided by Barclays Bank PLC. US long-term bonds, bills, inflation, and fixed income factor data © Stocks, Bonds, Bills, and Inflation (SBBI) Yearbook™, Ibbotson Associates, Chicago (annually updated work by Roger G. Ibbotson and Rex A. Sinquefeld). Citigroup bond indices copyright 2012 by Citigroup. The Merrill Lynch Indices are used with permission; copyright 2012 Merrill Lynch, Pierce, Fenner & Smith Incorporated; all rights reserved. Past performance is not a guarantee of future results.

# Global Diversification

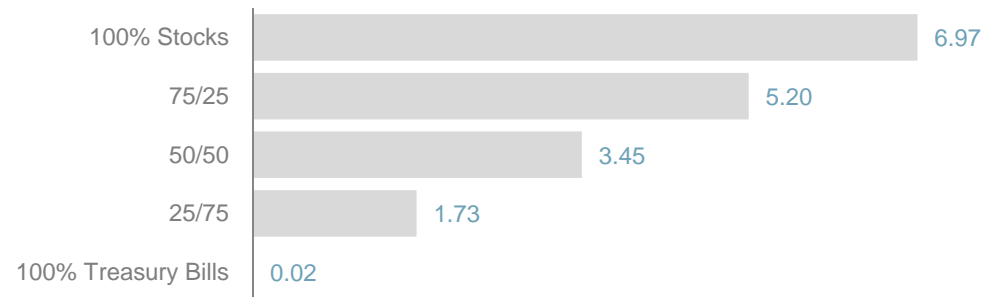
## Third Quarter 2012 Index Returns

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

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



### Ranked Returns for the Quarter (%)



### Period Returns (%)

Asset Class	1 Year	3 Years*	5 Years*	10 Years*
100% Stocks	21.67	7.78	-1.54	9.16
75/25	16.18	6.10	-0.55	7.55
50/50	10.74	4.24	0.12	5.76
25/75	5.35	2.23	0.50	3.80
100% Treasury Bills	0.04	0.07	0.58	1.69

\* Annualized

Hypothetical allocations are for illustrative purposes only. Asset allocations and the hypothetical index portfolio returns are for illustrative purposes only and do not represent actual performance. Indices are not available for direct investment. Index performance does not reflect expenses associated with the management of an actual portfolio.

Global Stocks represented by MSCI All Country World Index (gross div.) and Treasury Bills represented by US One-Month Treasury Bills. Globally diversified portfolios rebalanced monthly. Data copyright MSCI 2012, all rights reserved. © Stocks, Bonds, Bills, and Inflation Yearbook™, Ibbotson Associates, Chicago (annually updated work by Roger G. Ibbotson and Rex A. Sinquefeld). Indices are not available for direct investment. Index performance does not reflect the expenses associated with the management of an actual portfolio. Past performance is not a guarantee of future results.

# Knightmare on Wall Street

Third Quarter 2012

## QUESTION:

Which of the following statements applies to this summer's stock market behavior?

- A) Computer errors at a major trading firm generated millions of faulty trades, causing dramatic and puzzling price swings in dozens of stocks.
- B) A *New York Times* columnist fumed that "Wall Street has created its own Frankenstein. The machines are now in charge."
- C) The S&P 500 Index rose 13.51% for the year through the end of August.

**ANSWER:** All of the above.

The July 31 trading session was marked by unusual activity in 148 stocks listed on the New York Stock Exchange, many of which swung sharply in the first hour of trading due to an apparent error in a newly installed software program developed by seventeen-year-old Knight Capital Group Inc., one of the country's largest market-making and trading firms.

For some, the incident was an unwelcome reminder of the so-called "flash crash" on May 6, 2010, which saw the Dow Jones Industrial Average plunge over 700 points in fifteen minutes. *Wall Street Journal* columnist Jason Zweig sounded out a number of individual investors for their thoughts on the market gyrations and got an earful. A New York lawyer observed that the investors he talks to are convinced "the game is stacked against them" and that earning a pittance in safe fixed income investments was preferable to "losing it all on a roulette-wheel stock market."

Incidents such as the "flash crash" are often cited as a contributing factor to investor skepticism of equity investing. One can sympathize with investors who fear that the investment industry machinery somehow places them at a disadvantage, but we think such concerns should be placed in a proper context. We live in a complicated world, and it's unrealistic to expect power plants, airliners, or stock exchanges to work perfectly 100% of the time. The lights go out, flights are canceled on short notice, and computers freeze up just when we need to print that important document. These malfunctions serve to remind us that technology is a mixed blessing, but few of us would prefer a permanent return to the era of spinning wheels and candlelight.

Some of us are old enough to remember the commission schedule at NYSE-member firms in the days before negotiated commission rates and high-speed trading algorithms. A 100-share

order of IBM or Procter & Gamble used to cost \$80.73. These days, a customer with a meaningful checking account balance can execute one hundred trades a year for free. More traders and more trading paves the way to greater liquidity and lower transaction costs.

We do wonder how many investors were even aware of the trading gyrations as they were taking place. We suspect those expressing the greatest alarm were accustomed to watching market developments minute by minute.

In this regard, we cannot improve on Jason Zweig's observation, so we'll quote him directly: "It's harder than ever for long-term investors to ignore the trading madness of Mr. Market. But ignoring it remains the very essence of what it means to be an investor."