# 2016 Second Quarter Performance Notes

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# Asset Class Heatmap

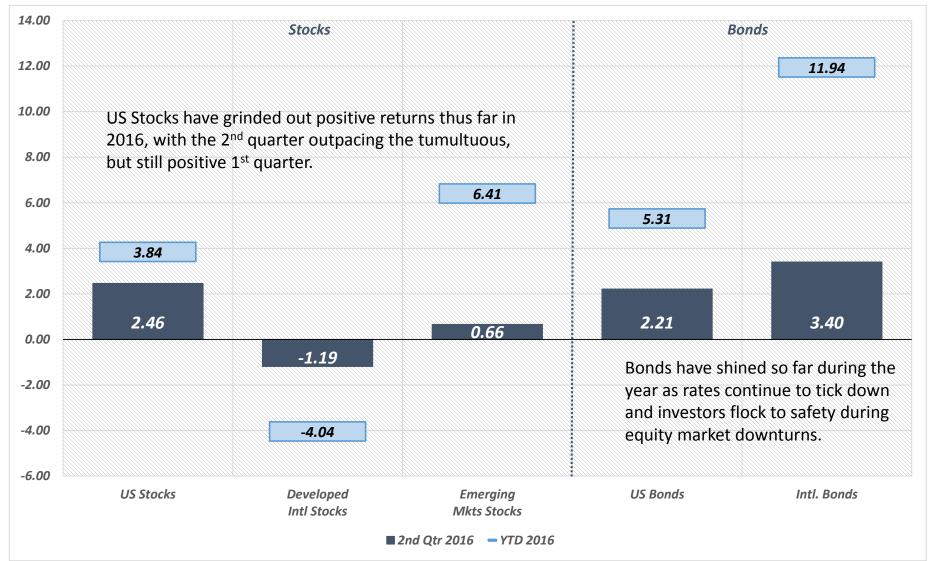


															CAPITAL PA
REITs	Cmmdty	EM	REITs	EM	REITs	EM	US Bonds	EM	REITs	REITs	HY	US Small	REITs	REITs	REITs
13.9	25.9	55.8	31.6	34.0	35.1	39.4	5.2	78.5	28.0	8.3	19.6	38.8	30.1	3.2	13.4
US Bonds	US Bonds	US Small	EM	Cmmdty	EM	Cmmdty	Cash	HY	US Small	US Bonds	EM	US Large	US Large	US Large	Cmmdty
8.4	10.3	47.3	25.6	21.4	32.1	16.2	1.5	59.4	26.9	7.8	18.2	32.4	13.7	1.4	13.3
Cash	HY	EAFE	EAFE	EAFE	EAFE	EAFE	HY	EAFE	EM	HY	REITs	EAFE	US Bonds	US Bonds	HY
3.8	4.1	38.6	20.2	13.5	26.3	11.2	-26.9	31.8	18.9	3.1	18.1	22.8	6.0	0.5	8.7
US Small	REITs	REITs	US Small	REITs	US Small	US Bonds	US Small	REITs	Cmmdty	US Large	EAFE	HY	US Small	Cash	EM
2.5	3.8	37.1	18.3	12.2	18.4	7.0	-33.8	28.0	16.8	2.1	17.3	7.3	4.9	0.0	6.4
HY	Cash	HY	HY	US Large	US Large	US Large	Cmmdty	US Small	US Large	Cash	US Small	REITs	Cash	EAFE	
2.3	1.6	32.4	13.2	4.9	15.8	5.5	-35.6	27.2	15.1	0.0	16.3	2.5	0.0	-0.8	
EM	EM	US Large	US Large	US Small	HY	Cash	US Large	US Large	HY	US Small	US Large	Cash	HY	HY	US Larg
-2.6	-6.2	28.7	10.9	4.6	13.7	4.5	-37.0	26.5	14.8	-4.2	16.0	0.1	0.0	-2.7	3.8
US Large	EAFE	Cmmdty	Cmmdty	HY	Cash	HY	REITs	Cmmdty	EAFE	EAFE	US Bonds	US Bonds	EM	US Small	US Smal
-11.9	-15.9	23.9	9.1	3.6	4.8	3.2	-37.7	18.9	7.8	-12.1	4.2	-2.0	-2.2	-4.4	2.2
Cmmdty	US Small	US Bonds	US Bonds	Cash	US Bonds	US Small	EAFE	US Bonds	US Bonds	Cmmdty	Cash	EM	EAFE	EM	Cash
-19.5	-20.5	4.1	4.3	2.9	4.3	-1.6	-43.4	5.9	6.5	-13.3	0.1	-2.6	-4.9	-14.9	0.1
EAFE	US Large	Cash	Cash	US Bonds	Cmmdty	REITs	EM	Cash	Cash	EM	Cmmdty	Cmmdty	Cmmdty	Cmmdty	EAFE
-21.4	-22.1	1.0	1.2	2.4	2.1	-15.7	-53.3	0.1	0.1	-18.4	-1.1	-9.5	-17.0	-24.7	-4.4
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	YFD 6/30/16

## **Global Broad Markets**



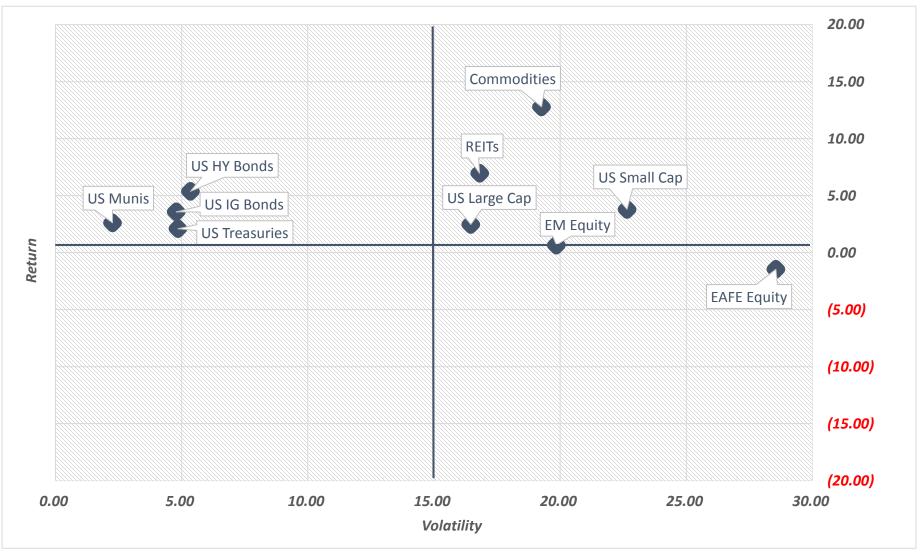
#### **Total Returns**



## Asset Class Scatter Plot



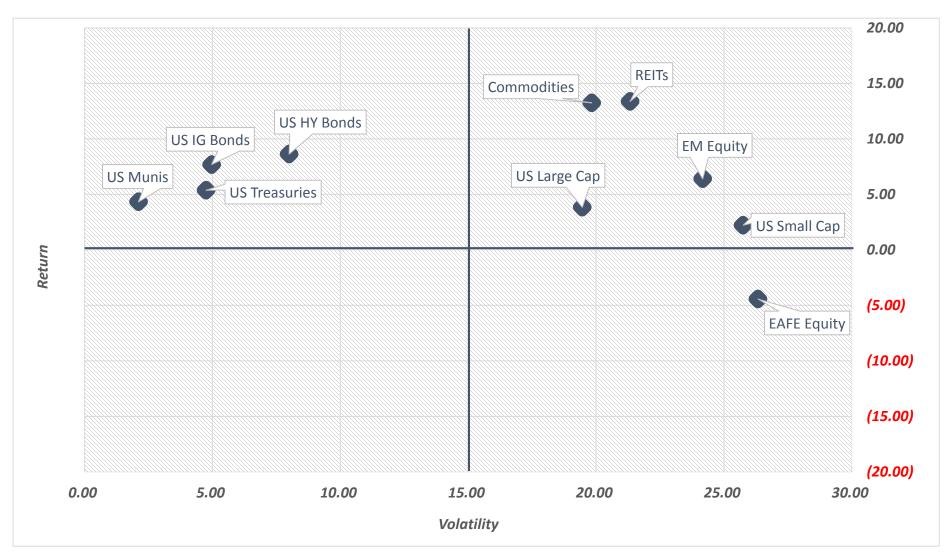
2nd Quarter 2016, Total Returns, Daily



## Asset Class Scatter Plot



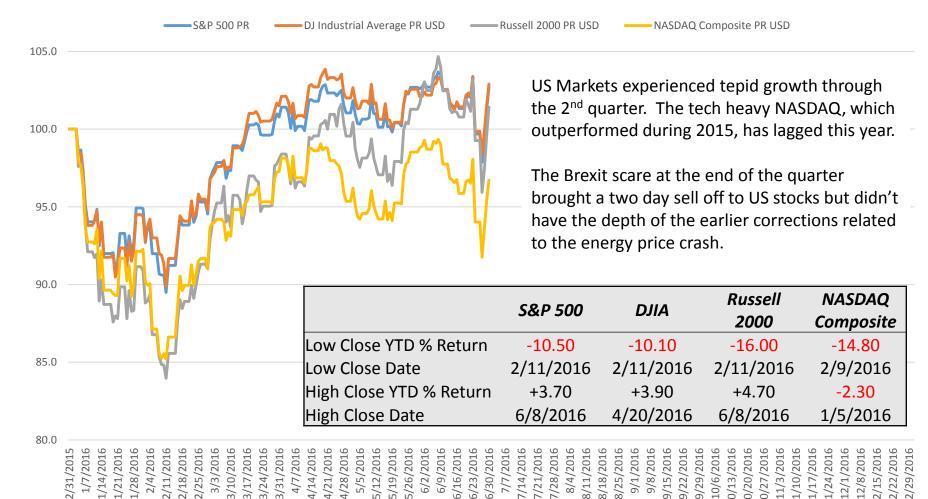
YTD 2016, Total Returns, Daily



## Major US Indices in 2016



#### **US Indices YTD**



5/30/2016

7/14/2016

7/28/2016

8/25/2016

.0/13/2016 0/20/2016

1/18/2016

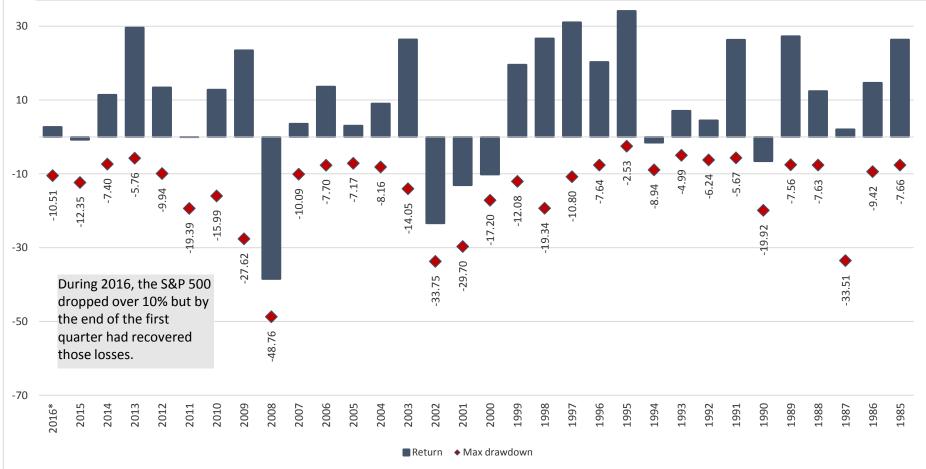
5/5/2016

## Intra-year Declines and Calendar Year Returns: S&P 500



S&P 500 Yearly Returns and Max drawdowns (Price only)

Drawdowns are typical during any calendar year for equity markets. Last year, the S&P 500 saw a drawdown of over 12% but still finished the year flat. There are several years where the markets saw large drawdowns but still ended the year with large gains. The average drawdown within a calendar year for this period is over 14% but the average return for the year is a positive 10%.



# US Equities – Style Analysis



2<sup>nd</sup> Qtr. 2016

Trailing Twelve Months



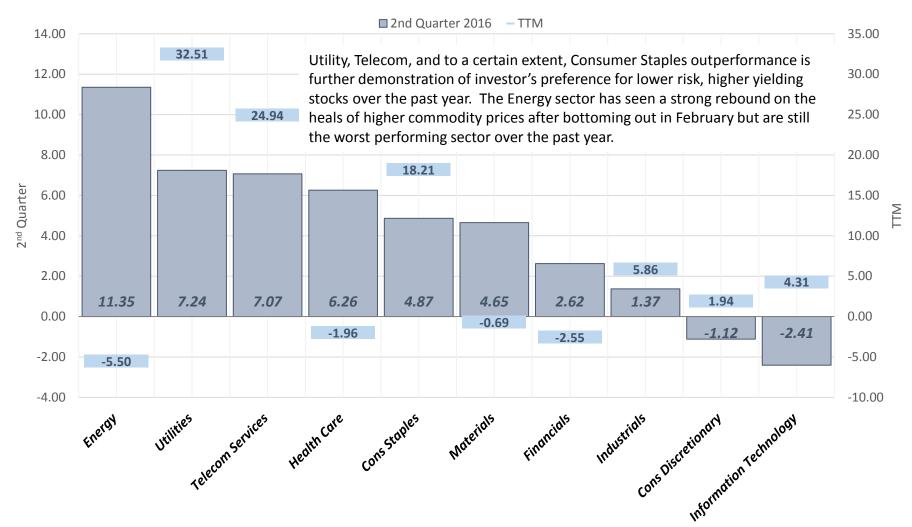


All nine main US investment styles were in the green for the 2<sup>nd</sup> quarter with the Value orientation continuing to best Growth stocks. Investors are favoring dividend paying, stable and mature companies over cloudy future earnings prospects. Utilities and Energy stocks, the two best performing sectors this year, are barely represented in Growth indices. Small Caps continue to trail Large Caps over the past year, this is especially pronounced on the Growth side where Small Cap Growth companies are still in correction territory over the past twelve months. During the 2<sup>nd</sup> quarter, however, Small Caps outperformed Large Caps for the first time since the 2<sup>nd</sup> quarter of last year (see Slide 12).

# **US Equities – Sector Analysis**



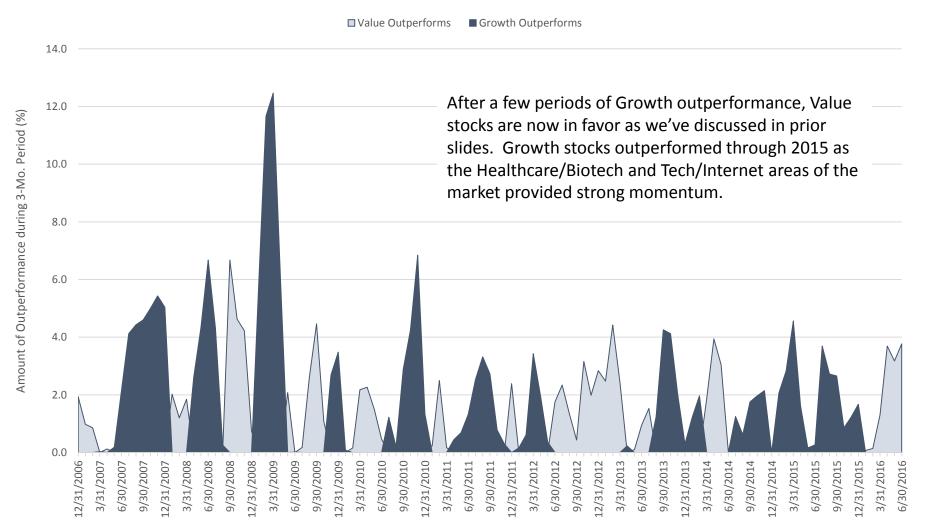
#### **US Sector Returns (%)**



## US Equities - Value vs. Growth Cycles



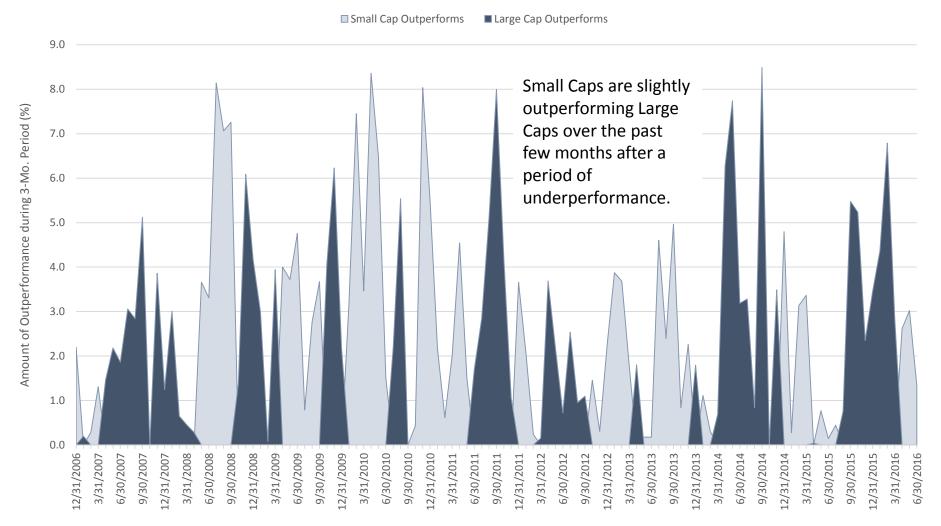
#### US Growth vs US Value Rolling Quarterly Returns Difference



## US Equities – Large Cap vs. Small/Mid Cap Cycles



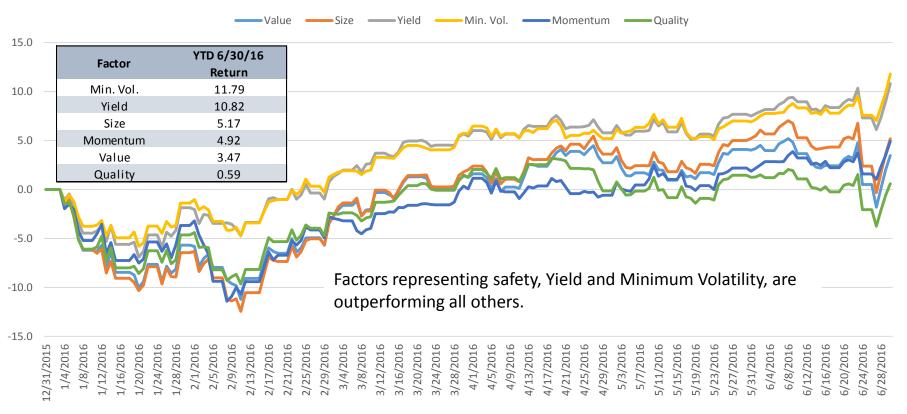
#### US Small Cap vs US Large Cap Rolling Quarterly Returns Difference



## **US Equities - Factor Analysis**



#### **US Factor Indices YTD Performance**



Factor Indexes are systematic rules-based indexes that represent the return of factors which have earned a persistent premium over long periods of time.

Quality: High ROE, stable earnings growth, low leverage

Value: Low P/S, P/E, P/CF, P/B

Size: Equal weighted index exploits small cap premium

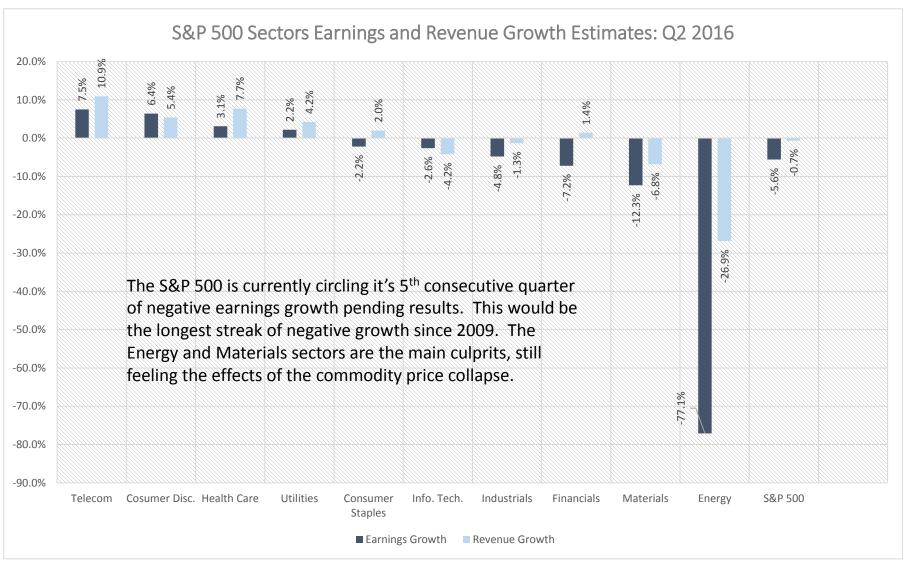
Low volatility: low beta and volatility

Yield: High dividend yield

Momentum: high price momentum

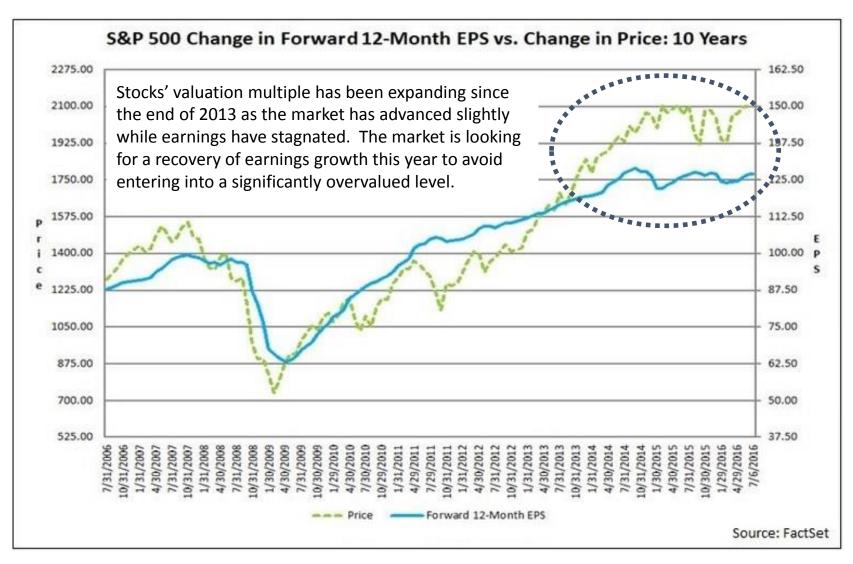
# **US Equities – Earnings**





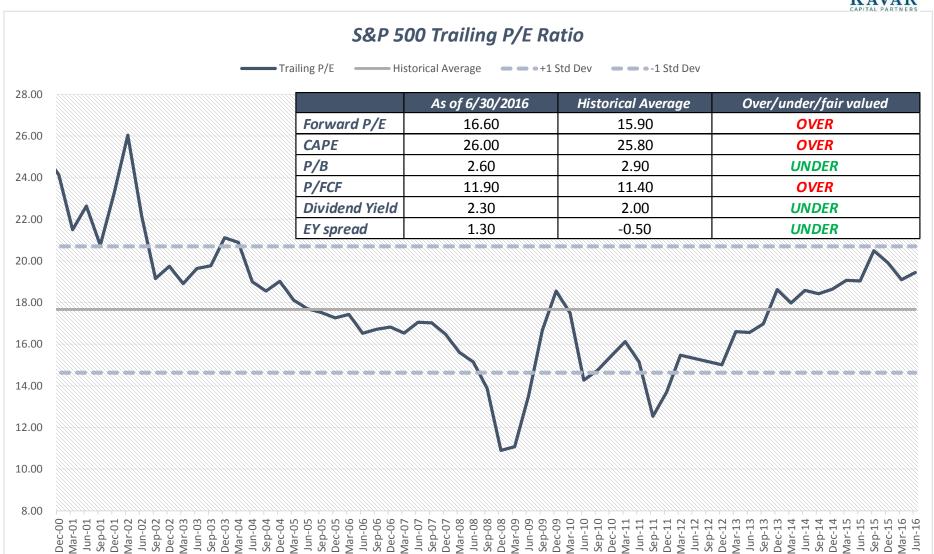
## **US Equities – Earnings and Multiple Expansion**





## **US Equity Valuations**

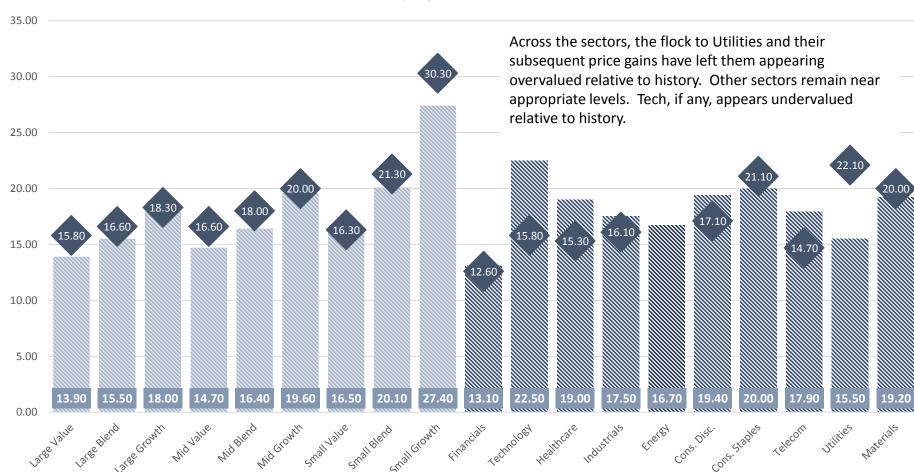




## **US Equity Valuations**



20 yr Avg. P/E 
 ◆ Current Fwd. P/E



In this graph, if the diamond is outside of the bar the valuation is above the historical average and the style or sector would be consider "overvalued" and vice versa.

Energy Sector Fwd. P/E is 65.8x and not visible on this graph.

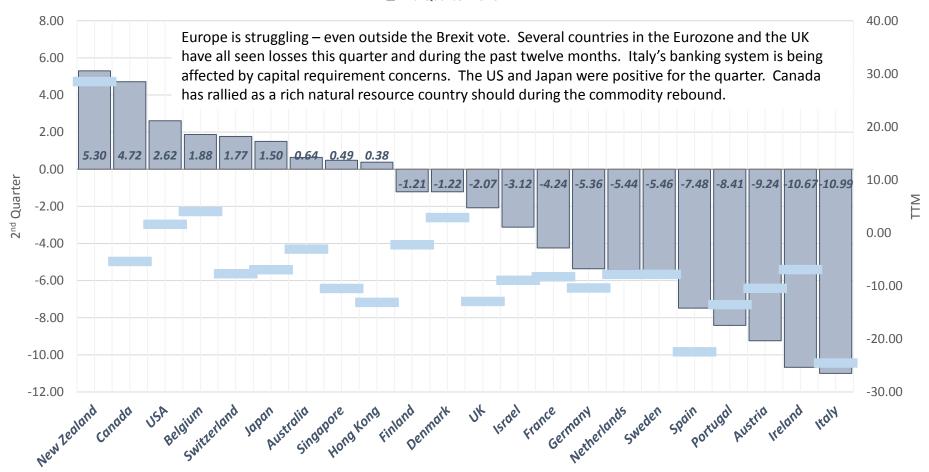
See Disclosure and Index Definitions, Pages 29-30

# **Developed Markets**



#### **Developed Markets Country Returns (%)**

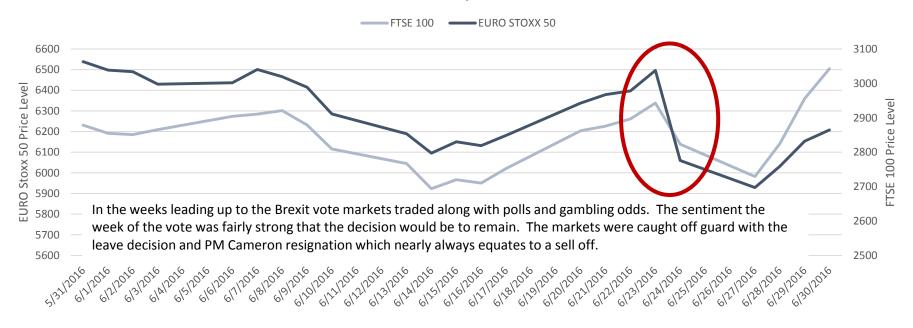
■ 2nd Quarter 2016 - TTM

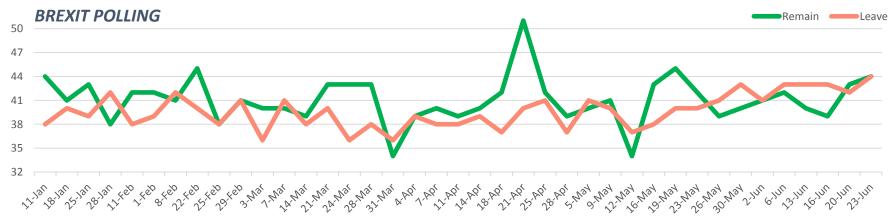


## **Brexit Fallout**



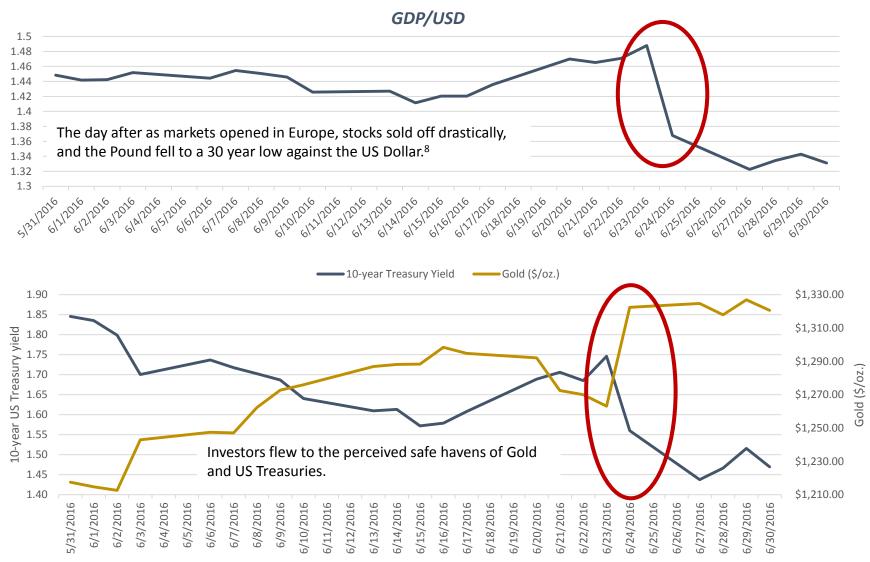
#### June 2016 European Indices





# Brexit Fallout - Currency and Risk-off





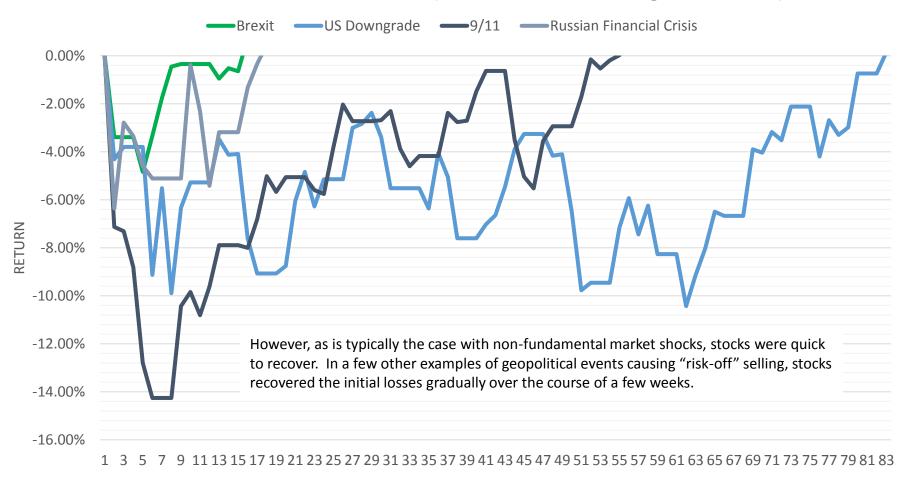
Source: Bloomberg

See Disclosure and Index Definitions, Pages 29-30

# Prior one day shocks



#### Market Shocks and Time to Recover (Dow Jones Industrial Avg. Price Return)

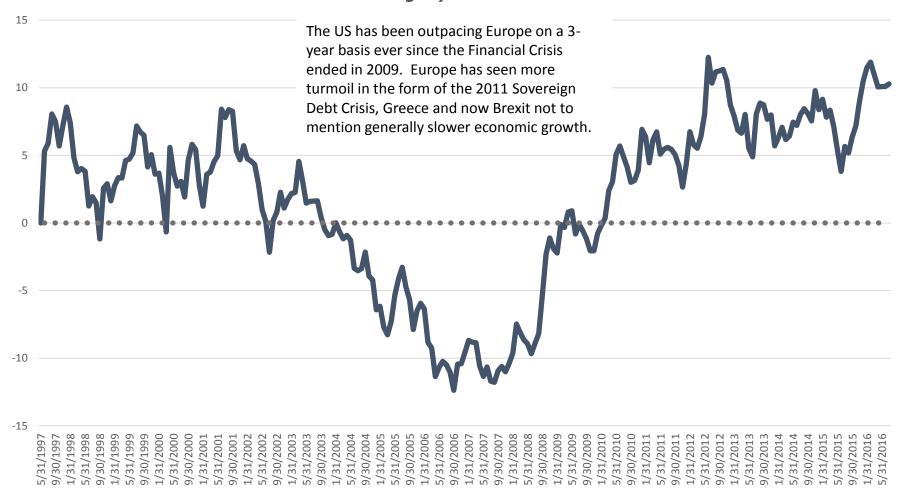


DAYS TO RECOVER INITIAL LOSS

# US vs Europe Cycles



#### US vs. Europe Difference in Returns Rolling 3-year window



Investors cannot invest directly into an index and advisors cannot mirror an index. Any performance quoted is past performance and is not a guarantee of future results. Diversification does

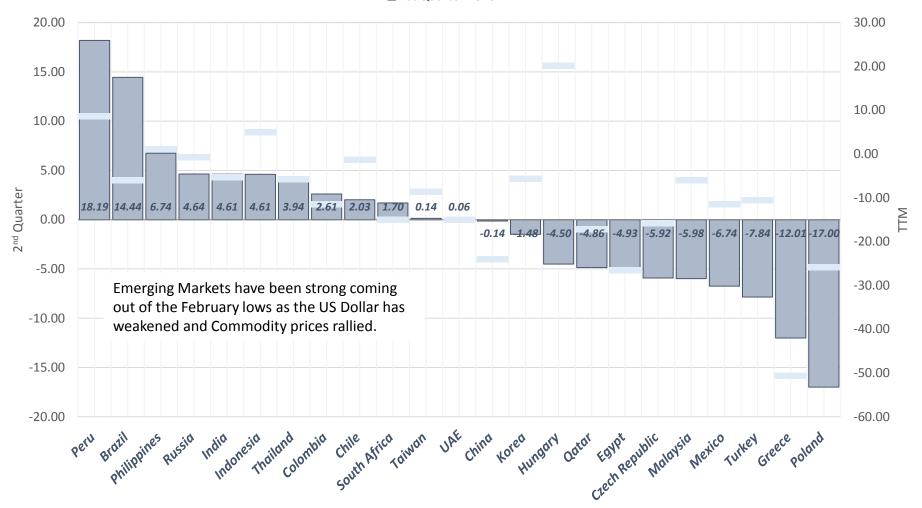
not guarantee investment returns and does not eliminate the risk of loss. Individual results will differ based upon asset allocation, timing and fees.

# **Emerging Markets**



#### **Emerging Markets Country Returns (%)**

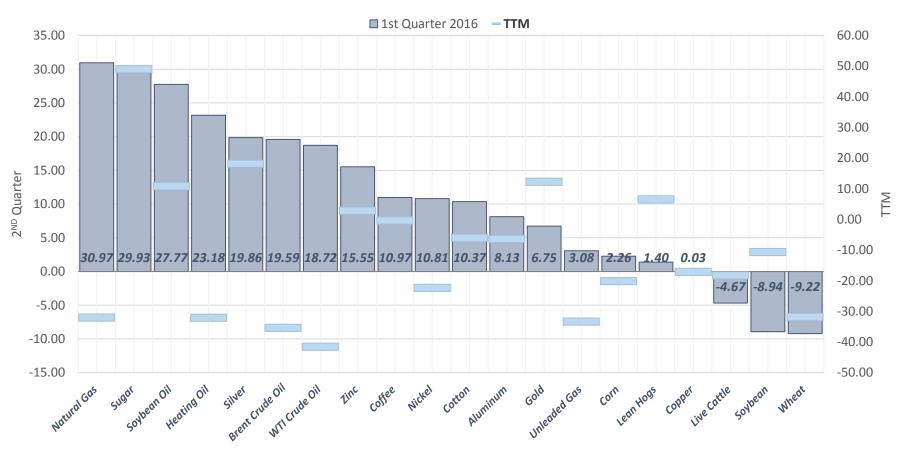




## **Commodities**



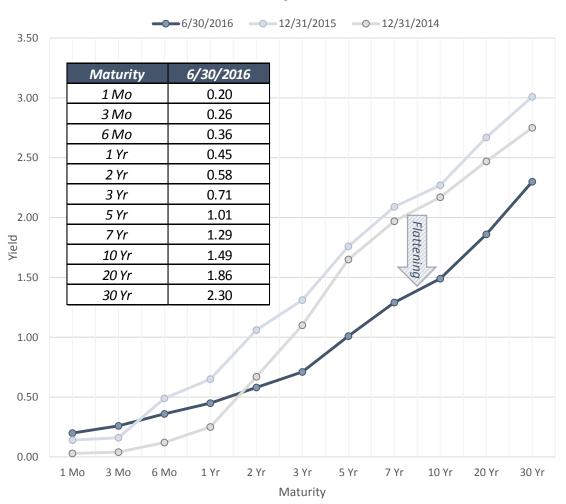
#### **Commodities Returns (%)**



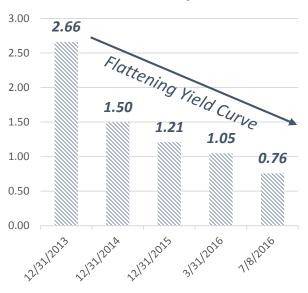
## Yield Curve



#### **US Treasury Yield Curve**



#### 10-Year Treasury Minus 2-Year Treasury Yield



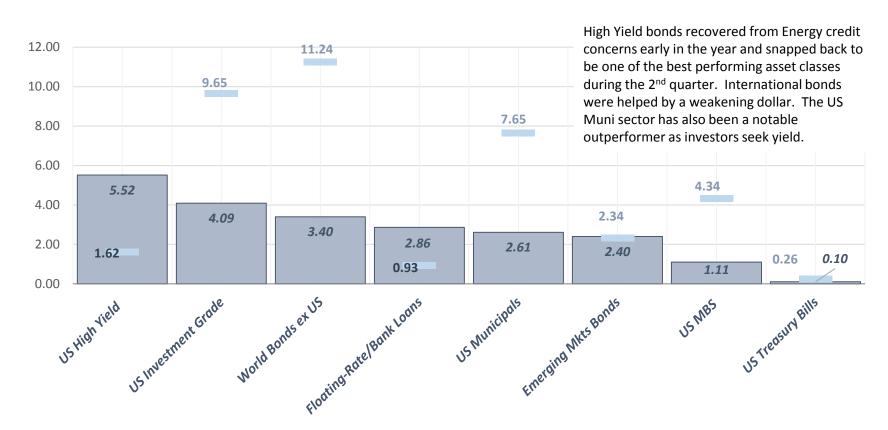
Bonds' tremendous strength this year has mainly been a product of crashing yields both in the US and abroad. The Treasury yield curve has flattened significantly. This has historically been a negative indicator for the economy but due to central bank intervention and negative yielding debt around the world acting somewhat as an anchor, it's reliability is debatable.

## **Fixed Income Sectors**



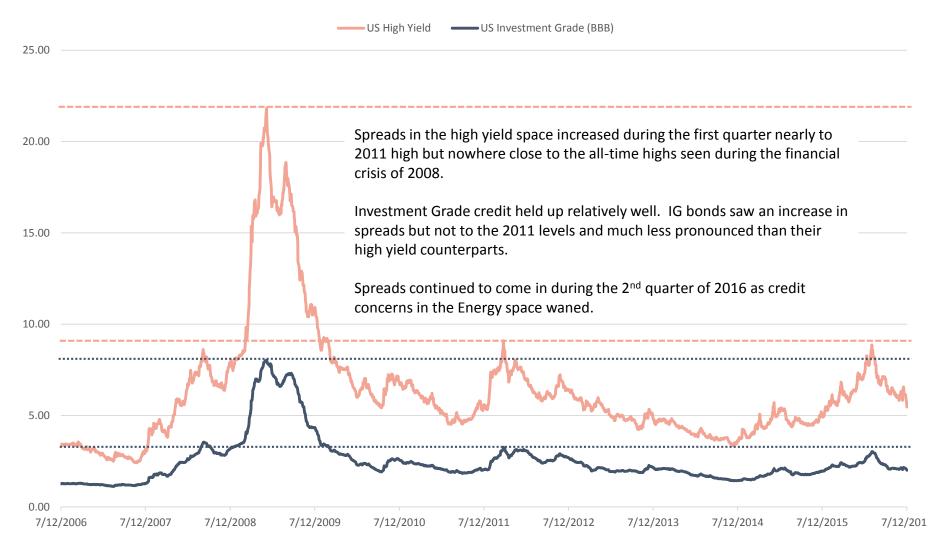
#### **US Fixed Income Sector Returns (%)**

■ 2nd Quarter 2016 - TTM



# Credit Spreads/High Yield

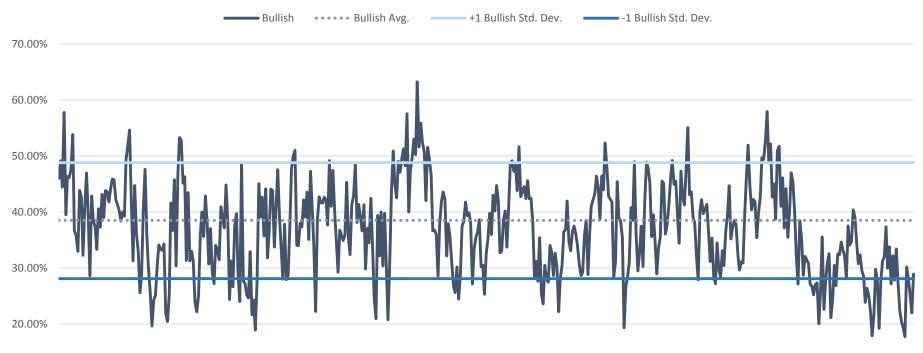




# **US Equities Sentiment**



#### Percentage of Individual Investors who are Bullish on the stock market short term



Bullish sentiment has gradually fell off as the bull market run off the 2009 Financial Crisis lows became categorized as "long in the tooth" due to it's length in time. Bullish Investor sentiment is well below average and this typically a positive contrarian indicator for future stock returns.



## Important Disclosures



This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The views and strategies described may not be suitable for all investors. This material has been prepared for informational purposes only, and is not intended to provide, and should not be relied on for, accounting, legal or tax advice. Any forecasts contained herein are for illustrative purposes only and are not to be relied upon as advice or interpreted as a recommendation. Any performance quoted is past performance and is not a guarantee of future results. Diversification does not guarantee investment returns and does not eliminate the risk of loss. Opinions offered constitute our judgment and are subject to change without notice, as are statements of financial market trends, which are based on current market conditions. Some of the statements in this presentation may be forward looking and contain uncertainties. Changes in economic or market conditions as well as other factors may affect the relevance of the views and opinions expressed. Investors cannot invest directly into an index and advisors cannot mirror an index.

## **Footnotes**

- 1. <a href="https://www.factset.com/websitefiles/PDFs/earningsinsight/earningsinsight\_7.8.16">https://www.factset.com/websitefiles/PDFs/earningsinsight/earningsinsight\_7.8.16</a>
- 2. <a href="https://am.jpmorgan.com/blob-gim/1383280028969/83456/jp-littlebook.pdf">https://am.jpmorgan.com/blob-gim/1383280028969/83456/jp-littlebook.pdf</a>
- 3. http://www.economist.com/blogs/graphicdetail/2016/06/britain-s-eu-referendum
- 4. https://www.treasury.gov/resource-center/data-chart-center/interest-rates/Pages/TextView.aspx?data=yield
- 5. <a href="https://fred.stlouisfed.org/series/BAMLH0A0HYM2">https://fred.stlouisfed.org/series/BAMLH0A0HYM2</a>
- 6. https://fred.stlouisfed.org/series/BAMLC0A4CBBB
- 7. http://www.aaii.com/sentimentsurvey/sent results
- 8. http://www.bloomberg.com/news/articles/2016-06-23/pound-surge-builds-as-polls-show-u-k-to-remain-in-eu-yen-slips

# **Index Definitions**



Page	Data point	Index Used	Page	e Data point	Index Used
3	US Bonds	Barclays US Agg Bond TR USD	9	Style Returns	Russell 3000 TR USD by Style
3	Cash	Morningstar Cash C	10	Sector Returns	S&P 1500 TR USD by Sector
3	US High Yld	Barclays High Yield Corporate	11	Growth Index	Russell 3000 Growth TR USD
3	REITs	FTSE NAREIT All Equity REITs TR USD	11	Value Index	Russell 3000 Value TR Usd
3	DM Equity	MSCI EAFE GR USD	12	Large Caps	S&P 500 TR USD
3	US Lg Cap	S&P 500 TR USD	12	Small Caps	Russell 2000 TR USD
3	US Sm Cap	Russell 2000 TR USD	13	Factor Returns	MSCI USA GR USD Factor Indices
3	EM Equity	MSCI EM NR USD	18	Developed Markets	MSCI IMI NR USD Country Indices
3	Cmmdty	Bloomberg Commodity TR USD	22	US Return	S&P 500 TR USD
4	US Stocks	S&P 500 TR USD	22	Europe Return	MSCI Europe Large NR USD
4	Developed Intl Stocks	MSCI EAFE GR USD	23	Emerging Markets	MSCI IMI NR USD Country Indices
4	Emerging Mkts Stocks	MSCI EM NR USD	24	Commodities	Bloomberg Commodity Indices
4	US Bonds	Barclays US Agg Bond TR USD	26	World Bonds ex US	Barclays Gbl Agg Ex US TR USD
4	Intl. Bonds	Barlcays Gbl Agg Ex US TR USD	26	Emerging Mkts Bonds	JPM GBI-EM Diversified Composite TR USD
5/6	US IG Bonds	Barclays US Corp IG TR USD	26	US Municipals	Barclays Municipals TR USD
5/6	US Treasuries	Barclays US Treasury Bonds	26	US High Yield	Barclays US HY Interm TR USD
5/6	US Large Cap	S&P 500 TR USD	26	US Investment Grade	Barclays US Corp IG TR USD
5/6	REITs	FTSE NAREIT All Equity REITs TR USD	26	US MBS	Barclays US MBS TR USD
5/6	EAFE Equity	MSCI EAFE GR USD	26	US Treasuries	Barclays US Treasury Bills TR USD
5/6	US Small Cap	Russell 2000 TR USD	26	Floating Rate/Bank Loans	Credit Suisse Leveraged Loan TR USD
5/6	EM Equity	MSCI EM NR USD			
5/6	Commodities	Bloomberg Commodity TR USD			
5/6	US Munis	Barclays Municipal TR USD			
5/6	US HY Bonds	Barclays US HY Interm TR USD			



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