

# Fourth Quarter Review Presentation

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December 31, 2014

## Juniata College 403(b) Plan Executive Summary

### Presented By:

Thomas J. Scalici, CFP®, AIF®, CEBS

74 W. Broad St.  
Suite 340  
Bethlehem, PA 18018

[www.cornerstone-companies.com](http://www.cornerstone-companies.com)



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*Juniata College*

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# **Section I**

## **Market Summary**

# 2015 Capital Market Expectations

## Asset Class Index Performance

|                                         | Return |        |        |        |        |        |        |       | Std<br>Dev 3<br>Yr<br>(Mo-End) |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|-------|--------------------------------|
|                                         | MTD    | QTD    | YTD    | 1 Year | 3 Year | 5 Year | 7 Year | 10 Yr |                                |
| Not Classified                          |        |        |        |        |        |        |        |       |                                |
| S&P 500 TR USD                          | -0.25  | 4.93   | 13.69  | 13.69  | 20.41  | 15.45  | 7.27   | 7.67  | 9.10                           |
| Russell 3000 TR USD                     | 0.00   | 5.24   | 12.56  | 12.56  | 20.51  | 15.63  | 7.54   | 7.94  | 9.42                           |
| NASDAQ Composite TR USD                 | -1.09  | 5.70   | 14.75  | 14.75  | 23.60  | 17.19  | 9.82   | 9.15  | 11.49                          |
| DJ Industrial Average TR USD            | 0.12   | 5.20   | 10.04  | 10.04  | 16.29  | 14.22  | 7.17   | 7.91  | 9.15                           |
| Russell 1000 Value TR USD               | 0.61   | 4.98   | 13.45  | 13.45  | 20.89  | 15.42  | 6.45   | 7.30  | 9.33                           |
| Russell 1000 Growth TR USD              | -1.04  | 4.78   | 13.05  | 13.05  | 20.26  | 15.81  | 8.41   | 8.49  | 9.73                           |
| Russell 2000 Value TR USD               | 2.73   | 9.40   | 4.22   | 4.22   | 18.29  | 14.26  | 7.59   | 6.89  | 12.98                          |
| Russell 2000 TR USD                     | 2.85   | 9.73   | 4.89   | 4.89   | 19.21  | 15.55  | 8.18   | 7.77  | 13.31                          |
| Russell 2000 Growth TR USD              | 2.97   | 10.06  | 5.60   | 5.60   | 20.14  | 16.80  | 8.73   | 8.54  | 14.02                          |
| MSCI EAFE NR USD                        | -3.46  | -3.57  | -4.90  | -4.90  | 11.06  | 5.33   | -0.47  | 4.43  | 13.21                          |
| MSCI ACWI Ex USA NR USD                 | -3.61  | -3.87  | -3.87  | -3.87  | 8.99   | 4.43   | -0.63  | 5.13  | 12.99                          |
| MSCI EM NR USD                          | -4.61  | -4.50  | -2.19  | -2.19  | 4.04   | 1.78   | -1.34  | 8.43  | 15.22                          |
| DJ Composite All REIT TR USD            | 0.98   | 12.29  | 27.29  | 27.29  | 15.78  | 16.05  | 7.64   | 7.18  | 12.50                          |
| Bloomberg Commodity TR USD              | -7.63  | -12.10 | -17.01 | -17.01 | -9.43  | -5.53  | -7.59  | -1.86 | 12.67                          |
| BofAML ABS Master Floating Rate TR USD  | 0.04   | 0.06   | 1.55   | 1.55   | 1.94   | 2.23   | -1.15  | -0.50 | 0.71                           |
| BofAML Convertible Bonds All Qualities  | -0.90  | 1.76   | 9.97   | 9.97   | 16.52  | 11.99  | 8.84   | 7.72  | 7.82                           |
| S&P Preferred Stock TR USD              | -0.26  | 2.16   | 14.07  | 14.07  | 10.55  | 8.96   | 7.44   | 4.68  | 5.56                           |
| Barclays US Treasury US TIPS TR USD     | -1.13  | -0.03  | 3.64   | 3.64   | 0.44   | 4.11   | 4.17   | 4.37  | 5.23                           |
| Barclays US Agg Bond TR USD             | 0.09   | 1.79   | 5.97   | 5.97   | 2.66   | 4.45   | 4.77   | 4.71  | 2.67                           |
| Barclays US HY Interm TR USD            | -1.49  | -1.12  | 1.85   | 1.85   | 8.07   | 8.65   | 8.37   | 7.43  | 4.49                           |
| Barclays Municipal 1-10Y Blend 1-12Y TR | 0.03   | 0.57   | 4.66   | 4.66   | 2.61   | 3.70   | 4.26   | 4.00  | 2.22                           |
| Barclays Global Aggregate TR USD        | -0.69  | -1.04  | 0.59   | 0.59   | 0.73   | 2.65   | 3.55   | 3.60  | 3.99                           |

## Blended Index Performance

|                              | Return |      |      |        |        |        |        |       | Std<br>Dev 3<br>Yr<br>(Mo-End) |
|------------------------------|--------|------|------|--------|--------|--------|--------|-------|--------------------------------|
|                              | MTD    | QTD  | YTD  | 1 Year | 3 Year | 5 Year | 7 Year | 10 Yr |                                |
| Not Classified               |        |      |      |        |        |        |        |       |                                |
| 100% Equity (70.30)          | -1.08  | 2.45 | 7.42 | 7.42   | 17.02  | 12.23  | 5.12   | 7.18  | 9.98                           |
| 80% Equity, 20% Fixed Income | -0.85  | 2.32 | 7.18 | 7.18   | 14.10  | 10.83  | 5.33   | 6.91  | 8.03                           |
| 60% Equity, 40% Fixed Income | -0.61  | 2.19 | 6.92 | 6.92   | 11.20  | 9.34   | 5.40   | 6.52  | 6.14                           |
| Cornerstone Base Case        | -0.70  | 1.85 | 6.19 | 6.19   | 9.57   | 8.32   | 4.82   | 5.94  | 5.56                           |
| 40% Equity, 60% Fixed Income | -0.38  | 2.06 | 6.63 | 6.63   | 8.33   | 7.78   | 5.33   | 6.02  | 4.38                           |
| 20% Equity, 80% Fixed Income | -0.14  | 1.93 | 6.31 | 6.31   | 5.48   | 6.15   | 5.12   | 5.42  | 3.00                           |
| Liquid Alternatives          | -1.37  | 0.32 | 4.41 | 4.41   | 3.67   | 4.44   | 2.24   | 3.02  | 4.87                           |

## Asset Class Index Performance

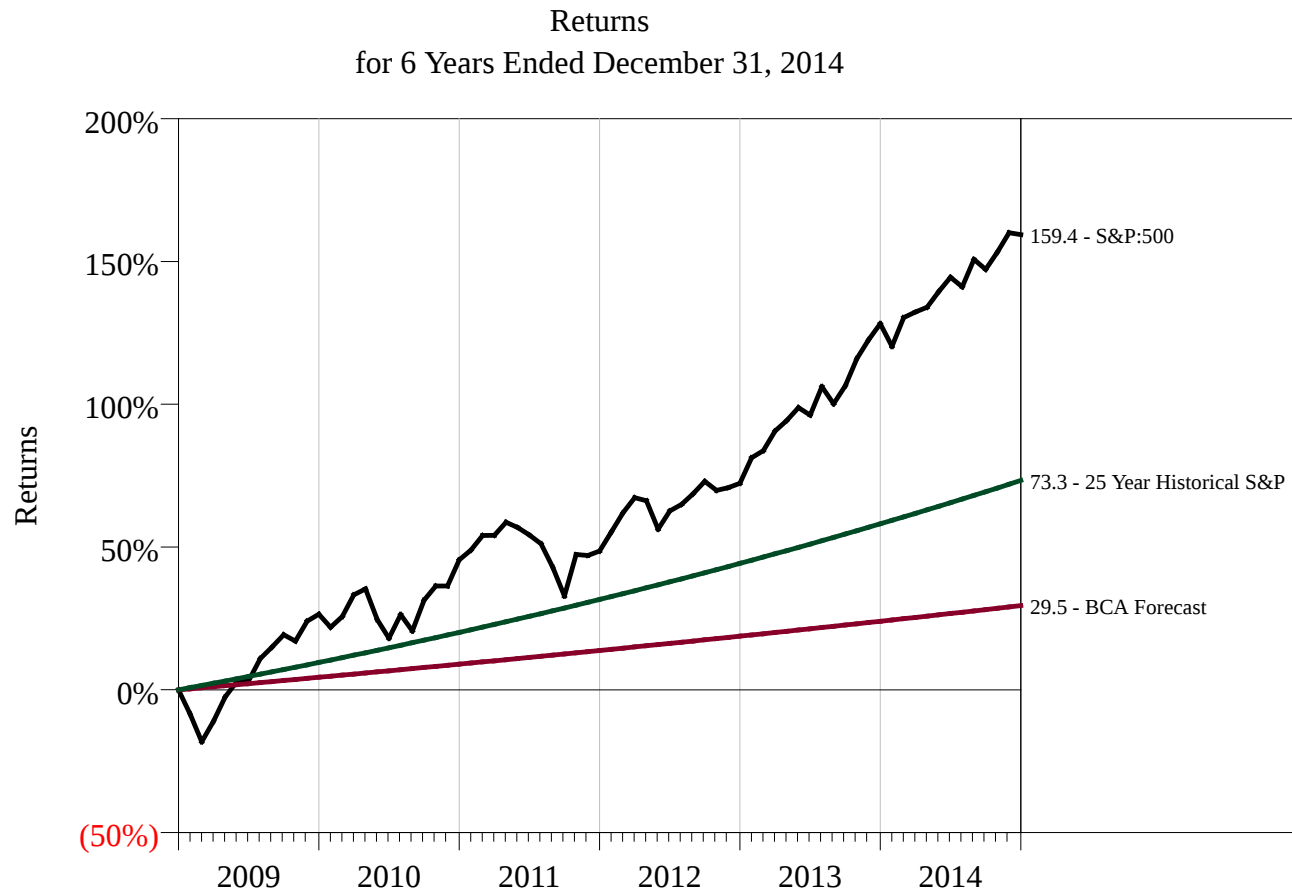
|                                         | Return |       |       |        |        |        |        |       | Std<br>Dev 3<br>Yr<br>(Mo-End) |
|-----------------------------------------|--------|-------|-------|--------|--------|--------|--------|-------|--------------------------------|
|                                         | MTD    | QTD   | YTD   | 1 Year | 3 Year | 5 Year | 7 Year | 10 Yr |                                |
| Not Classified                          |        |       |       |        |        |        |        |       |                                |
| S&P 500 TR USD                          | 5.75   | 2.57  | 2.57  | 15.51  | 18.00  | 16.18  | 9.13   | 7.99  | 9.31                           |
| Russell 3000 TR USD                     | 5.79   | 2.85  | 2.85  | 14.12  | 18.02  | 16.36  | 9.43   | 8.30  | 9.53                           |
| NASDAQ Composite TR USD                 | 7.25   | 5.02  | 5.02  | 16.58  | 20.23  | 18.63  | 13.04  | 10.31 | 11.10                          |
| DJ Industrial Average TR USD            | 6.01   | 2.22  | 2.22  | 13.70  | 14.70  | 14.83  | 8.65   | 8.12  | 9.47                           |
| Russell 1000 Value TR USD               | 4.84   | 0.65  | 0.65  | 13.49  | 18.11  | 15.51  | 7.83   | 7.21  | 9.79                           |
| Russell 1000 Growth TR USD              | 6.67   | 5.03  | 5.03  | 16.24  | 18.05  | 17.21  | 10.76  | 9.28  | 9.53                           |
| Russell 2000 Value TR USD               | 4.64   | 0.29  | 0.29  | 3.96   | 15.32  | 13.97  | 8.91   | 7.13  | 13.00                          |
| Russell 2000 TR USD                     | 5.94   | 2.53  | 2.53  | 5.63   | 16.58  | 15.97  | 10.26  | 8.31  | 13.17                          |
| Russell 2000 Growth TR USD              | 7.20   | 4.75  | 4.75  | 7.37   | 17.83  | 17.96  | 11.52  | 9.40  | 13.75                          |
| MSCI EAFE NR USD                        | 5.98   | 6.50  | 6.50  | -0.03  | 9.41   | 7.78   | 1.62   | 4.84  | 12.95                          |
| MSCI ACWI Ex USA NR USD                 | 5.35   | 5.19  | 5.19  | 0.87   | 6.49   | 6.55   | 1.15   | 5.34  | 12.50                          |
| MSCI EM NR USD                          | 3.10   | 3.71  | 3.71  | 5.01   | -0.34  | 3.64   | 0.06   | 7.89  | 13.77                          |
| DJ Composite All REIT TR USD            | -2.68  | 2.86  | 2.86  | 20.73  | 14.73  | 16.70  | 8.75   | 8.15  | 12.40                          |
| Bloomberg Commodity TR USD              | 2.58   | -0.85 | -0.85 | -22.77 | -11.21 | -4.95  | -9.75  | -2.71 | 12.60                          |
| BofAML ABS Master Floating Rate TR USD  | 0.05   | 0.13  | 0.13  | 1.36   | 1.84   | 1.84   | -0.56  | -0.54 | 0.72                           |
| BofAML Convertible Bonds All Qualities  | 4.86   | 3.45  | 3.45  | 6.83   | 14.74  | 12.65  | 9.79   | 8.45  | 7.55                           |
| S&P Preferred Stock TR USD              | 0.89   | 2.51  | 2.51  | 11.38  | 7.91   | 8.50   | 6.30   | 4.91  | 4.23                           |
| Barclays US Treasury US TIPS TR USD     | -1.20  | 1.91  | 1.91  | 3.11   | 0.42   | 4.42   | 3.69   | 4.61  | 5.37                           |
| Barclays US Agg Bond TR USD             | -0.94  | 1.14  | 1.14  | 5.05   | 2.76   | 4.29   | 4.67   | 4.82  | 2.85                           |
| Barclays US HY Interm TR USD            | 2.43   | 2.97  | 2.97  | 2.22   | 7.26   | 8.99   | 9.25   | 7.64  | 4.28                           |
| Barclays Municipal 1-10Y Blend 1-12Y TR | -0.69  | 0.70  | 0.70  | 3.35   | 2.46   | 3.54   | 4.44   | 4.09  | 2.28                           |
| Barclays Global Aggregate TR USD        | -0.81  | -0.97 | -0.97 | -2.79  | -0.13  | 2.35   | 2.76   | 3.59  | 3.87                           |

## Blended Index Performance

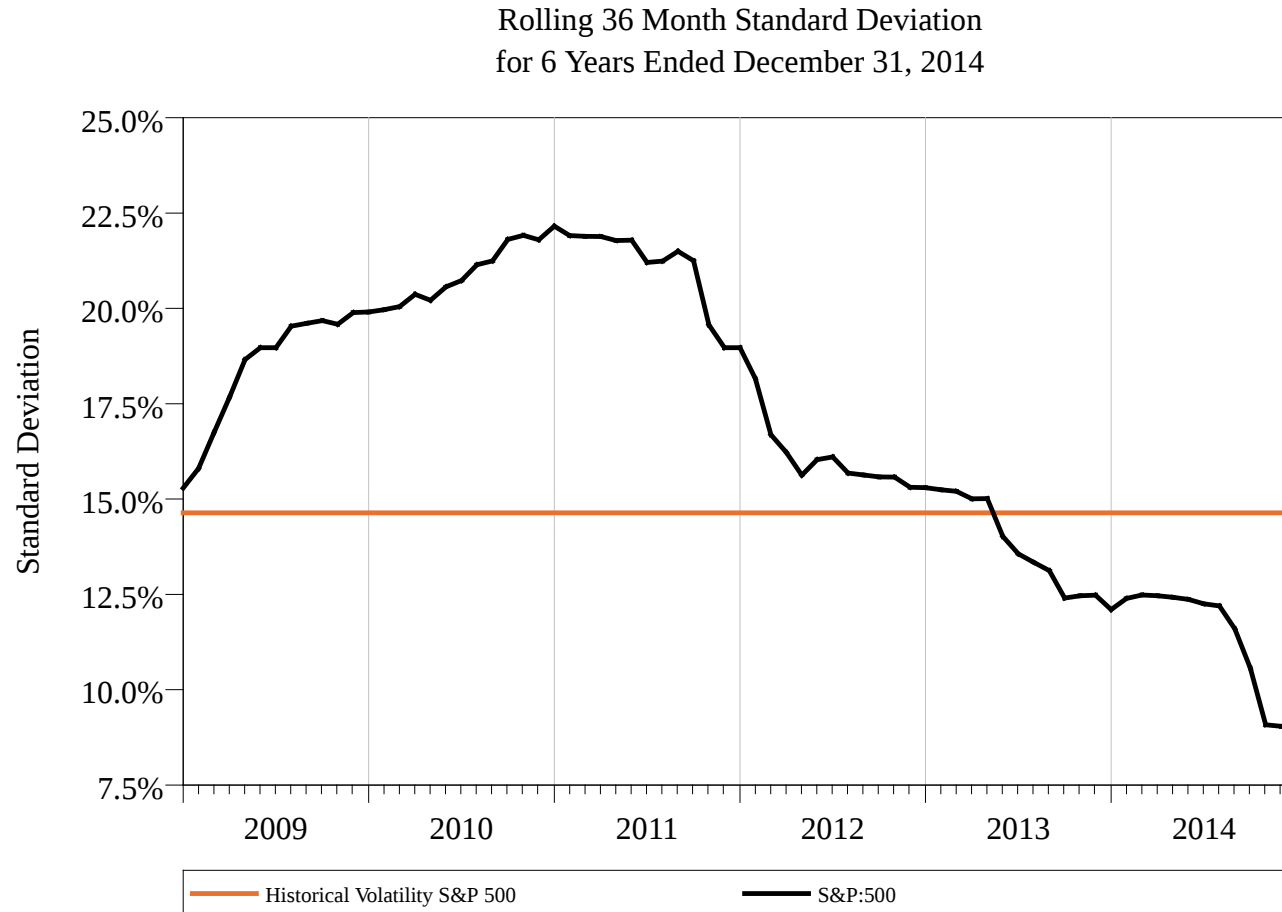
|                              | Return |      |      |        |        |        |        |       | Std<br>Dev 3<br>Yr<br>(Mo-End) |
|------------------------------|--------|------|------|--------|--------|--------|--------|-------|--------------------------------|
|                              | MTD    | QTD  | YTD  | 1 Year | 3 Year | 5 Year | 7 Year | 10 Yr |                                |
| Not Classified               |        |      |      |        |        |        |        |       |                                |
| 100% Equity (70.30)          | 5.66   | 3.55 | 3.55 | 10.05  | 14.52  | 13.41  | 6.97   | 7.50  | 9.98                           |
| 80% Equity, 20% Fixed Income | 4.34   | 3.11 | 3.11 | 9.10   | 12.17  | 11.73  | 6.79   | 7.18  | 7.95                           |
| 60% Equity, 40% Fixed Income | 3.02   | 2.65 | 2.65 | 8.12   | 9.82   | 9.97   | 6.47   | 6.76  | 5.98                           |
| Cornerstone Base Case        | 2.47   | 2.35 | 2.35 | 6.83   | 8.36   | 8.87   | 5.66   | 6.14  | 5.37                           |
| 40% Equity, 60% Fixed Income | 1.70   | 2.17 | 2.17 | 7.12   | 7.47   | 8.14   | 6.01   | 6.22  | 4.19                           |
| 20% Equity, 80% Fixed Income | 0.38   | 1.66 | 1.66 | 6.10   | 5.11   | 6.25   | 5.40   | 5.57  | 2.92                           |

Liquid Alternatives

# Where We Have Been

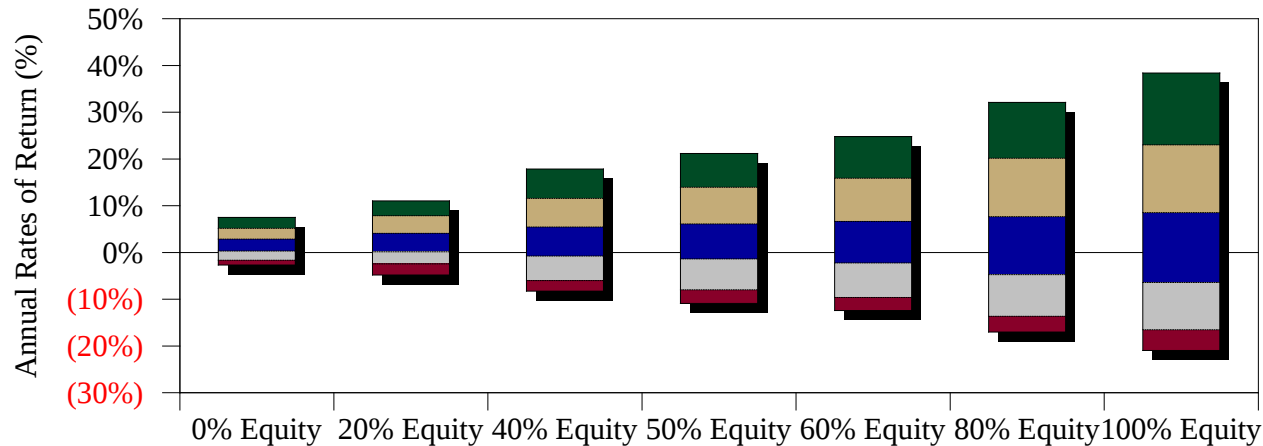


# How We Got Here



# Range of Outcomes – 1 Year

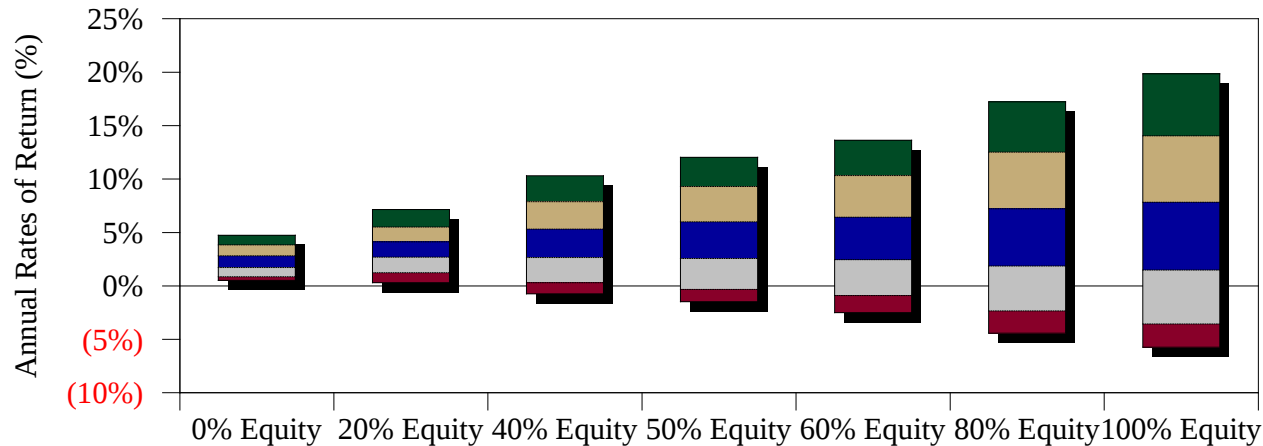
Range of Projected Rates of Return  
Projection Period: 1 Year  
Optimization Set: 2015



|                 |        |        |        |         |         |         |         |
|-----------------|--------|--------|--------|---------|---------|---------|---------|
| 10th Percentile | 7.5%   | 11.1%  | 17.9%  | 21.2%   | 24.8%   | 32.1%   | 38.4%   |
| 25th Percentile | 5.2%   | 7.9%   | 11.6%  | 14.0%   | 15.9%   | 20.2%   | 23.0%   |
| Median          | 2.9%   | 4.1%   | 5.5%   | 6.1%    | 6.7%    | 7.7%    | 8.5%    |
| 75th Percentile | 0.3%   | 0.2%   | (0.7%) | (1.3%)  | (2.2%)  | (4.7%)  | (6.4%)  |
| 90th Percentile | (1.7%) | (2.4%) | (6.0%) | (8.0%)  | (9.6%)  | (13.6%) | (16.5%) |
| 95th Percentile | (2.7%) | (4.8%) | (8.3%) | (10.9%) | (12.4%) | (17.0%) | (21.0%) |
| Prob > 5.0%     | 27.3%  | 44.3%  | 52.2%  | 54.3%   | 54.4%   | 56.5%   | 56.8%   |

# Range of Outcomes – 5 Years

Range of Projected Rates of Return  
Projection Period: 5 Years  
Optimization Set: 2015



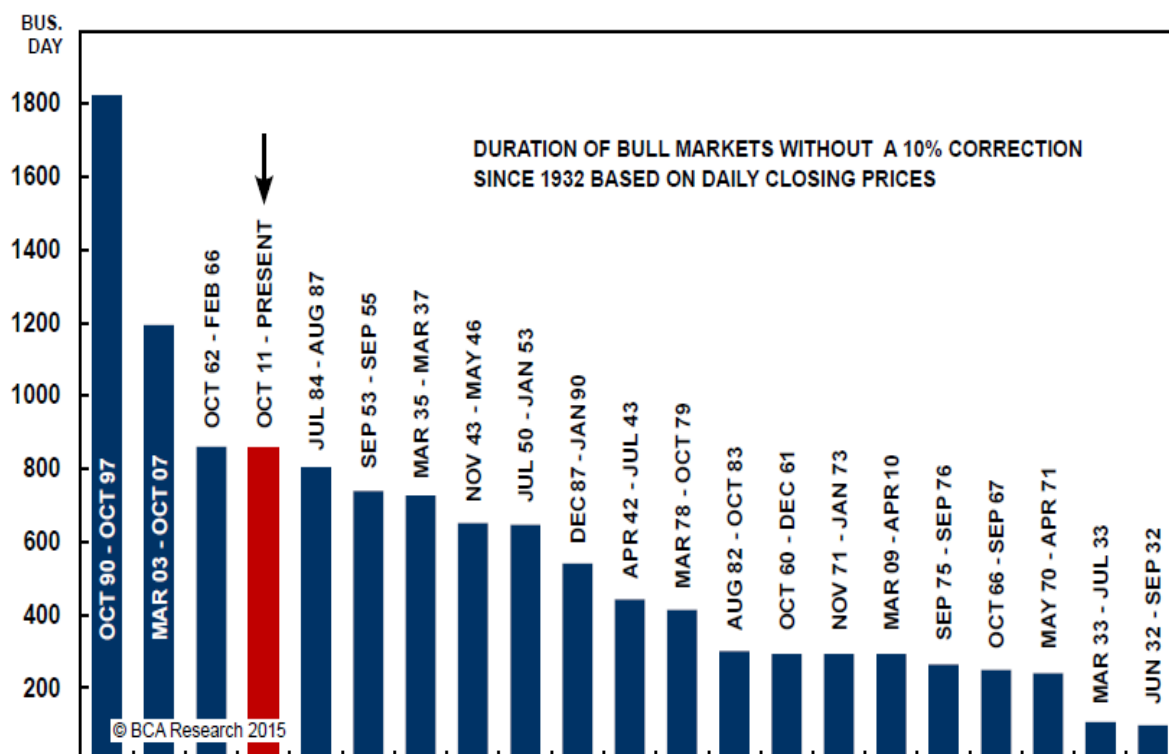
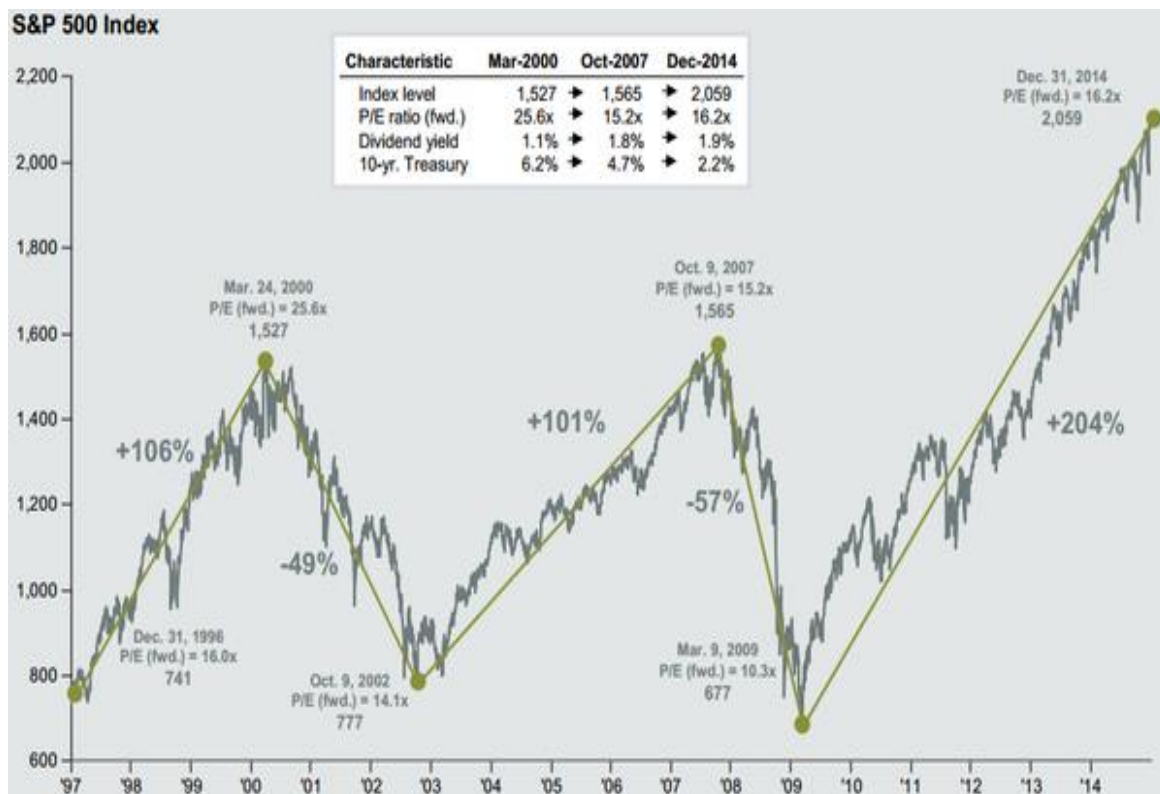
|                 |      |       |        |        |        |        |        |
|-----------------|------|-------|--------|--------|--------|--------|--------|
| 10th Percentile | 4.8% | 7.2%  | 10.3%  | 12.0%  | 13.6%  | 17.2%  | 19.8%  |
| 25th Percentile | 3.9% | 5.5%  | 7.9%   | 9.3%   | 10.3%  | 12.5%  | 14.1%  |
| Median          | 2.8% | 4.1%  | 5.3%   | 6.0%   | 6.4%   | 7.2%   | 7.8%   |
| 75th Percentile | 1.7% | 2.7%  | 2.7%   | 2.6%   | 2.5%   | 1.9%   | 1.5%   |
| 90th Percentile | 0.9% | 1.2%  | 0.3%   | (0.3%) | (0.9%) | (2.3%) | (3.6%) |
| 95th Percentile | 0.5% | 0.3%  | (0.7%) | (1.5%) | (2.5%) | (4.4%) | (5.7%) |
| Prob > 5.0%     | 6.7% | 34.7% | 53.9%  | 57.7%  | 60.4%  | 61.7%  | 62.9%  |

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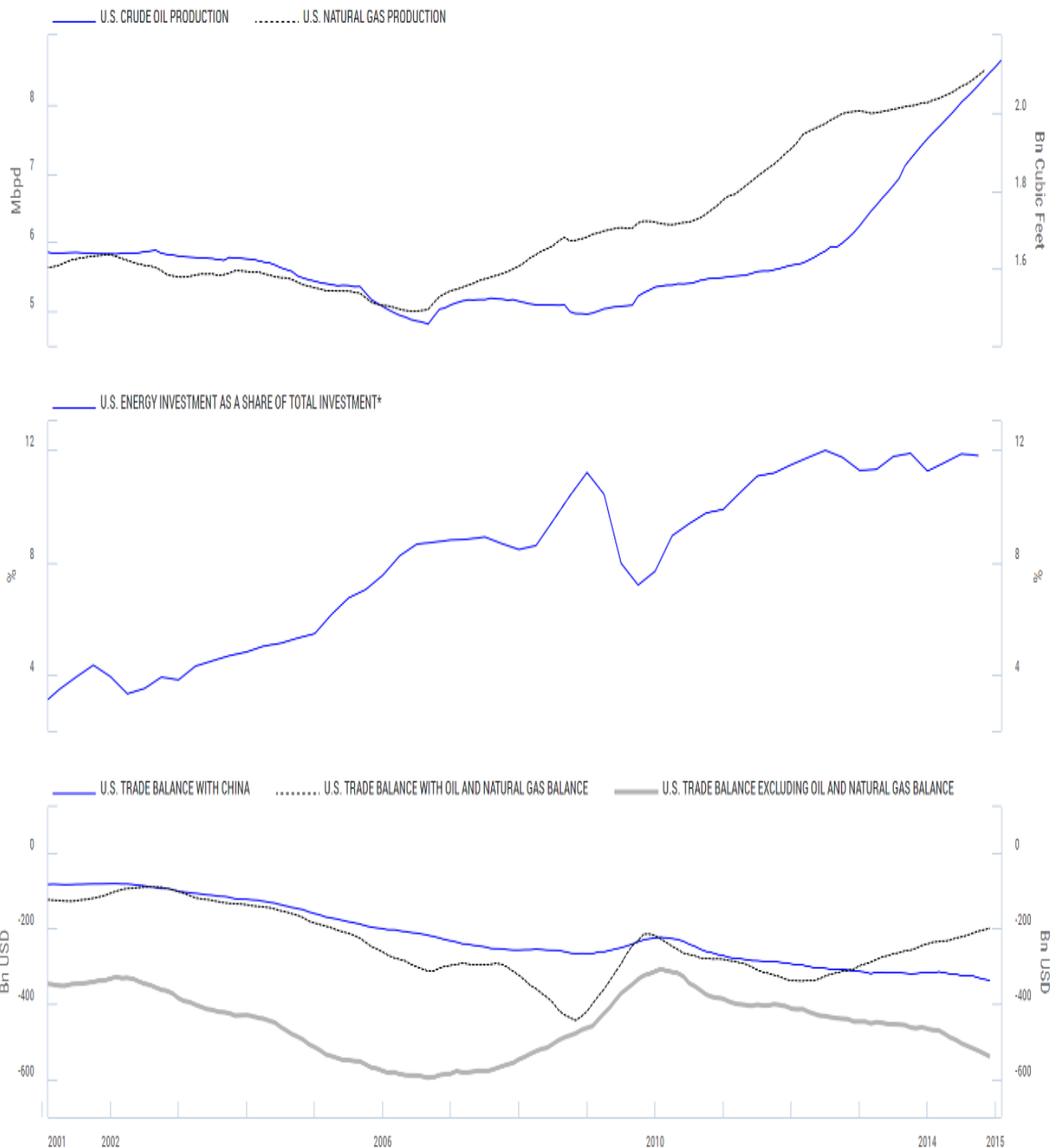
# Macroeconomic Overview

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# S&P Rally Is Getting Long In The Tooth

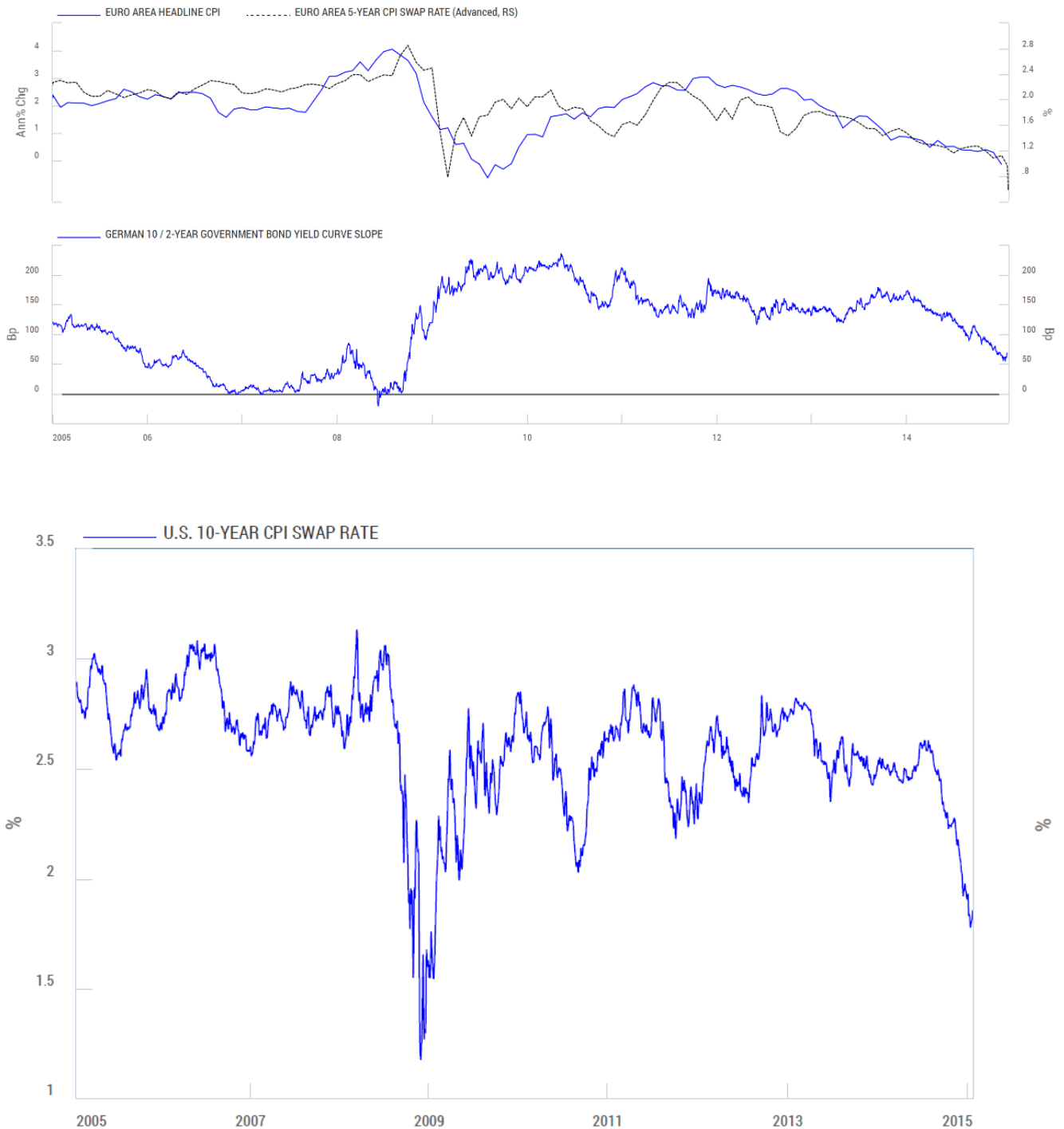


# Oil and Shale Shocks Help U.S. Trade

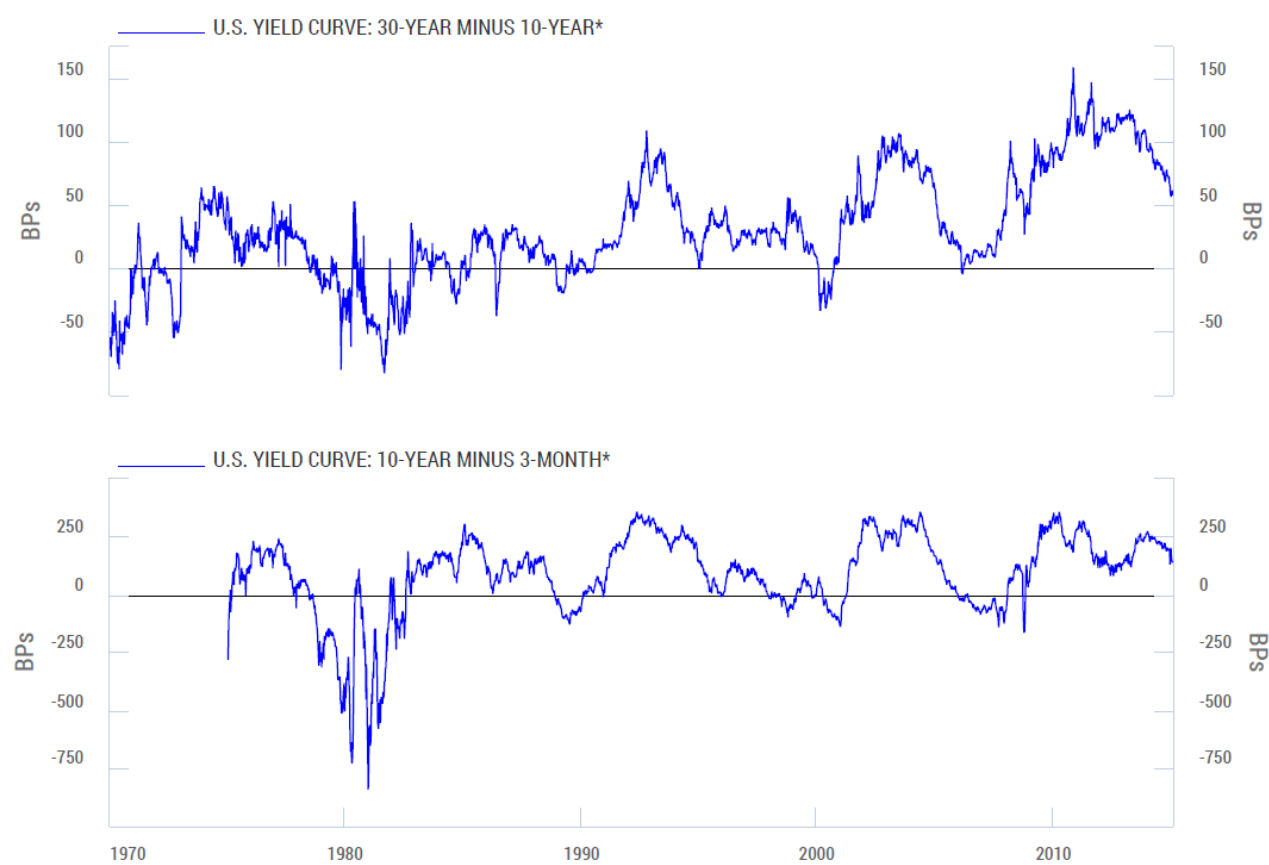


\*MINING/OIL EQUIPMENT & STRUCTURES INVESTMENT AS A PERCENT OF TOTAL BUSINESS INVESTMENT

# Inflation Versus Yield Curve – Will 2 – 3% Hold?

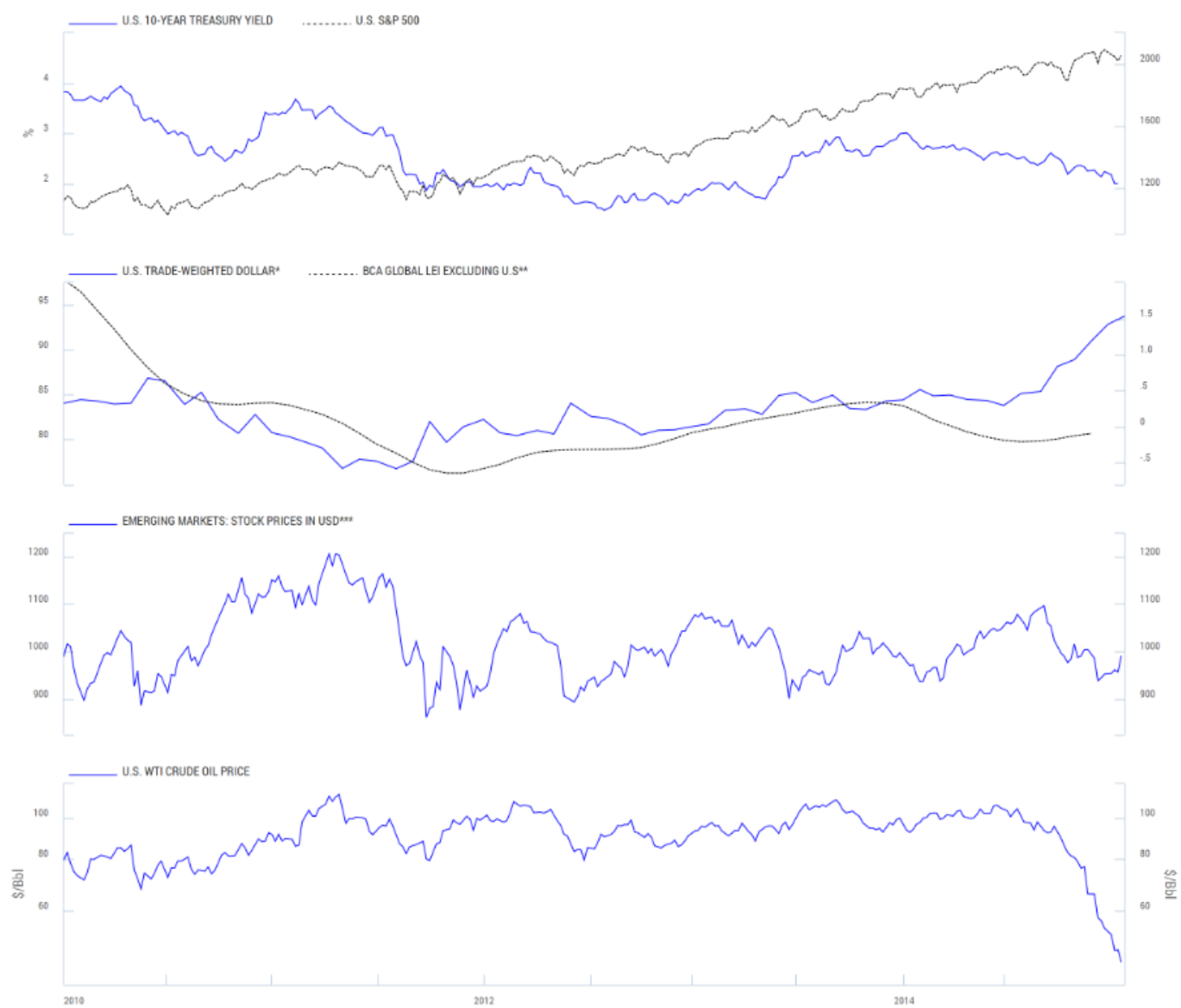


# The Yield Curve Ain't What It Used to Be



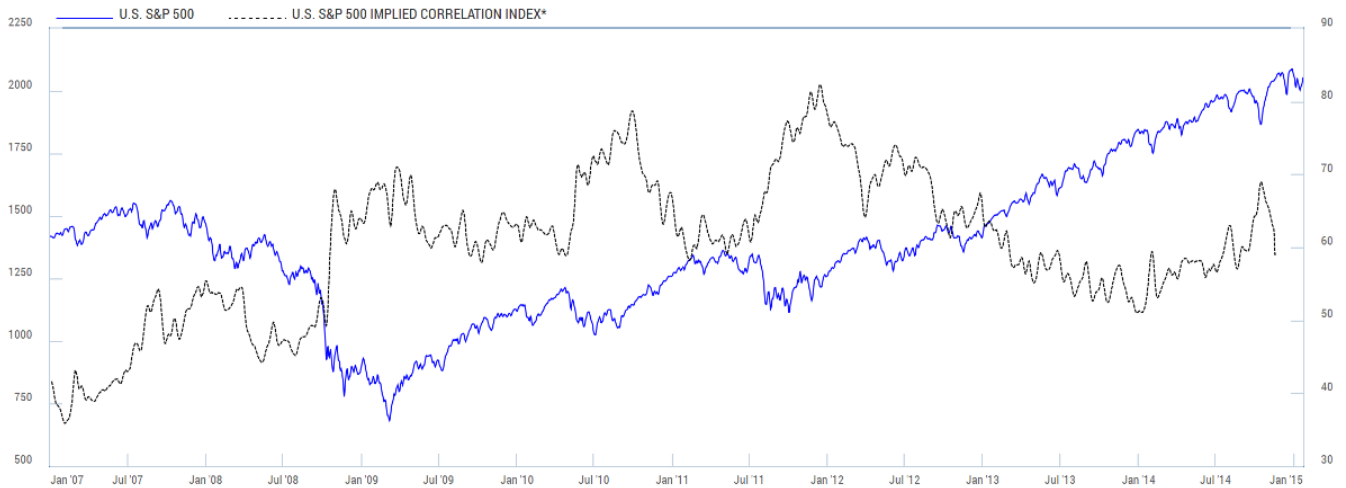
\*NOTE: SHADED REGIONS DENOTE NBER-DESIGNATED RECESSIONS.

# Watch EM This Time Around



\*SOURCE: J.P. MORGAN CHASE & CO  
\*\*INCLUDES 22 COUNTRIES AND STANDARDIZED  
\*\*\*SOURCE: MSCI Inc. (SEE COPYRIGHT DECLARATION)

# Unsustainable Combination/Red Flags Checklist

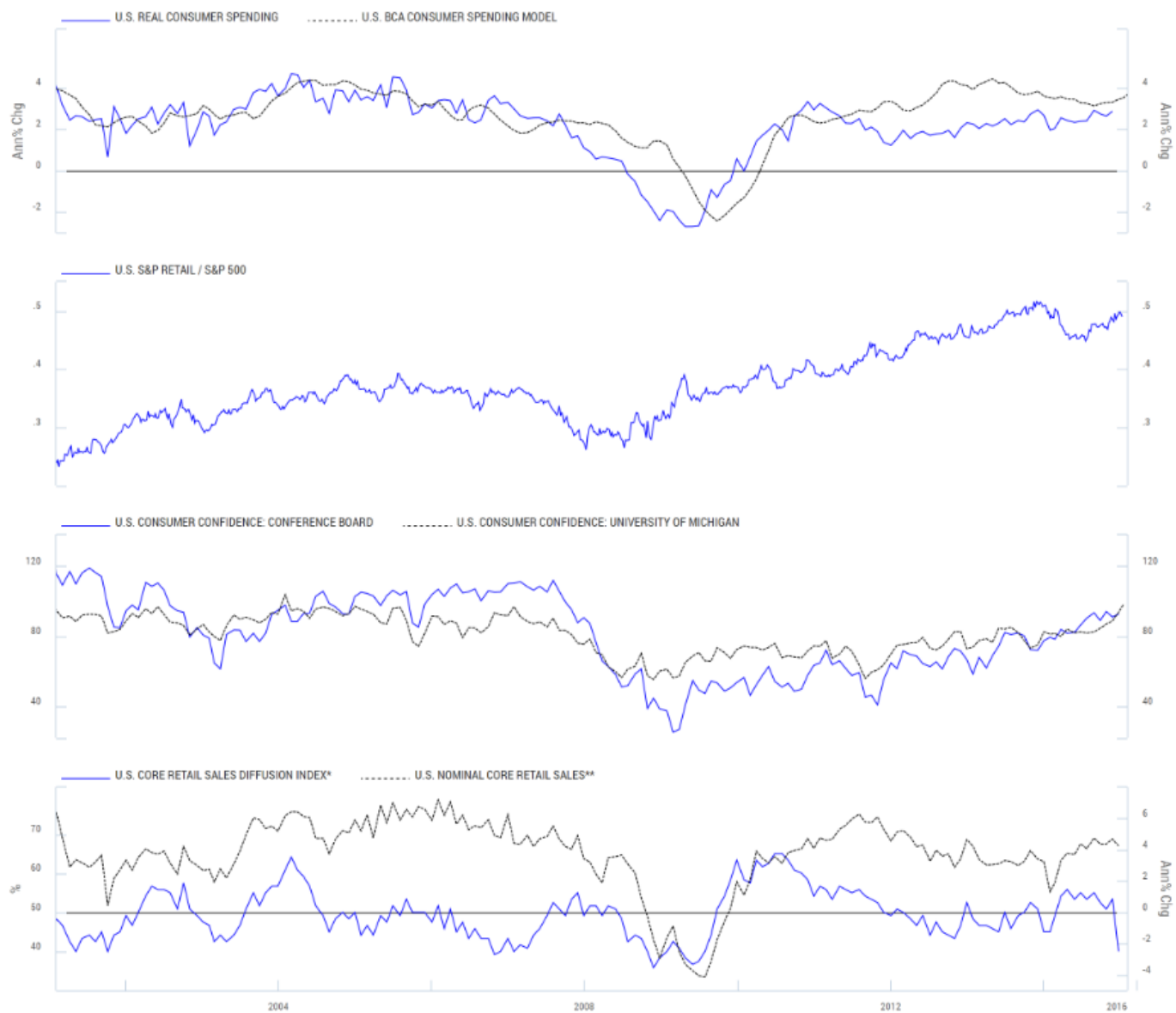


\*SOURCE: CBOE

| MARKET INDICATORS                           |                                     |
|---------------------------------------------|-------------------------------------|
| 17 Times Forward Multiple (S&P 500 ~ 2,080) | <input checked="" type="checkbox"/> |
| Domestic Outperforming Global               | <input checked="" type="checkbox"/> |
| Defensives Outperforming Cyclical           | <input checked="" type="checkbox"/> |
| Credit Sensitives                           | <input checked="" type="checkbox"/> |
| Declining Breadth                           | <input checked="" type="checkbox"/> |
| Flattening Yield Curve                      | <input checked="" type="checkbox"/> |
| GLOBAL INDICATORS                           |                                     |
| Slowing Global Growth                       | <input checked="" type="checkbox"/> |
| Rising EM Credit Risk                       | <input checked="" type="checkbox"/> |
| Significant Dollar Strength                 | <input checked="" type="checkbox"/> |
| International Contagion Into U.S.           | <input checked="" type="checkbox"/> |
| DOMESTIC INDICATORS                         |                                     |
| Fading Employment Momentum                  | <input type="checkbox"/>            |
| Stalled Housing Recovery                    | <input type="checkbox"/>            |
| Policy Wildcard                             | <input type="checkbox"/>            |
| Inflation/Deflation Scare                   | <input checked="" type="checkbox"/> |

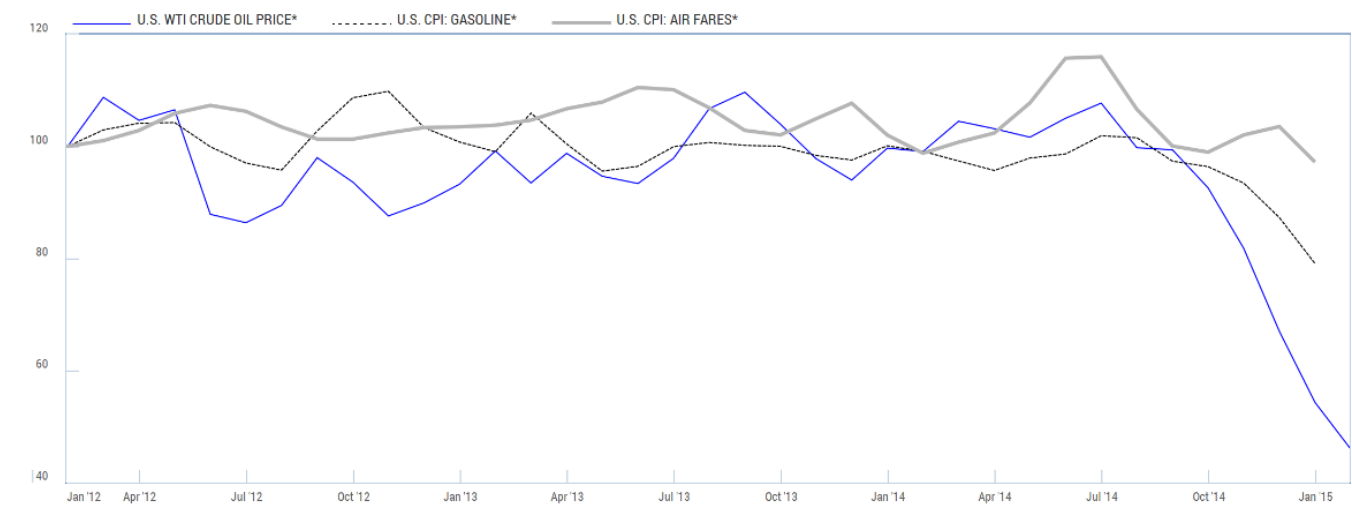
NOTE: X'S MARK EVENTS THAT HAVE OCCURRED OR COULD SOON OCCUR.

# Bright Consumer Picture

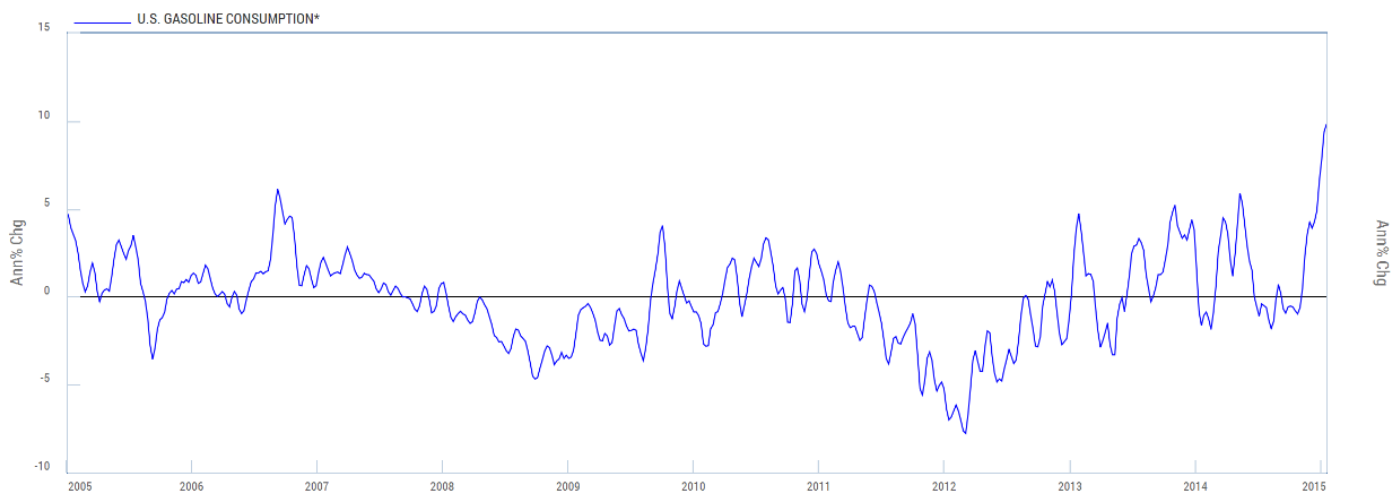


\*EXCL. BUILDING MATERIALS, MOTOR VEHICLES DEALERS & GASOLINE STATIONS NUMBER OF RISING RETAIL MAJOR GROUPS; SHOWN SMOOTHED EXCEPT FOR LAST DATAPPOINT  
\*\*NUMBER OF RISING RETAIL MAJOR GROUPS; SHOWN SMOOTHED EXCEPT FOR LAST DATAPPOINT

# The Pass-Through of Lower Oil Prices/Fill'er Up

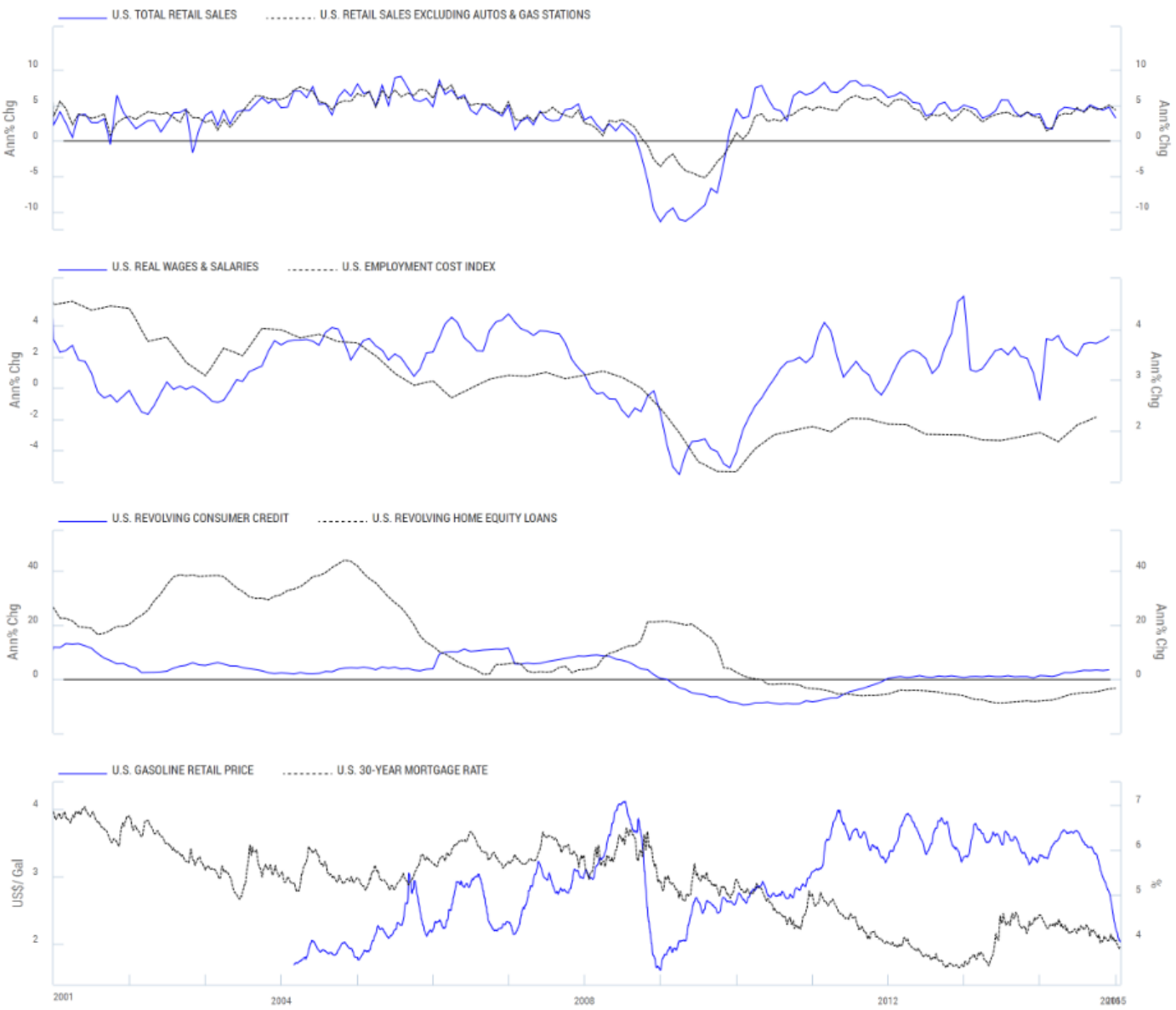


\*REBASED TO JAN 2012 = 100

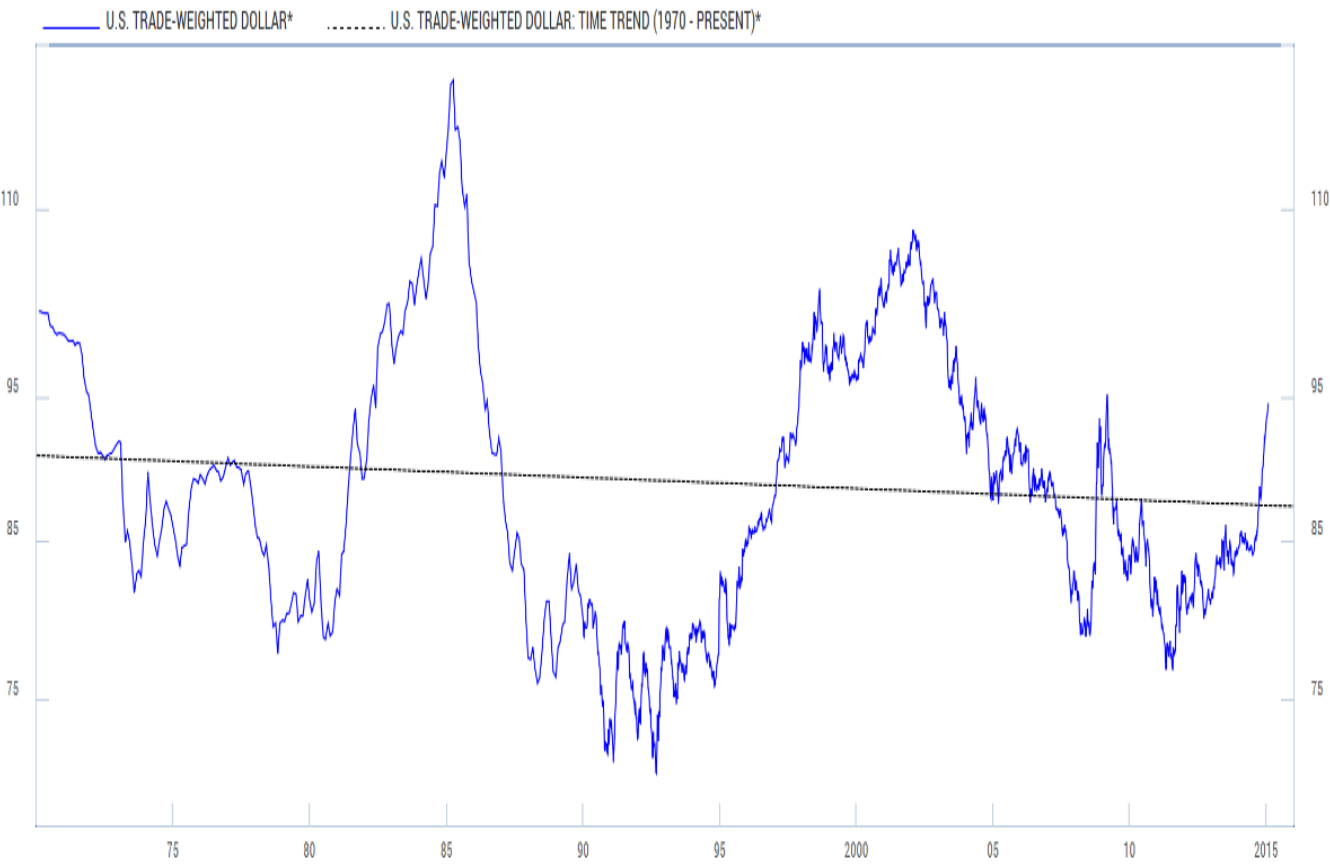


\* SHOWN SMOOTHED EXCEPT FOR THE LATEST DATA POINT.

# Consumer Spending Will Accelerate



# The U.S. Dollar Moves In Big Cycles



\* SOURCE: J.P. MORGAN CHASE & CO.

# Euro Area Stocks Are Cheap





## **Section II**

### **Financial Summary**

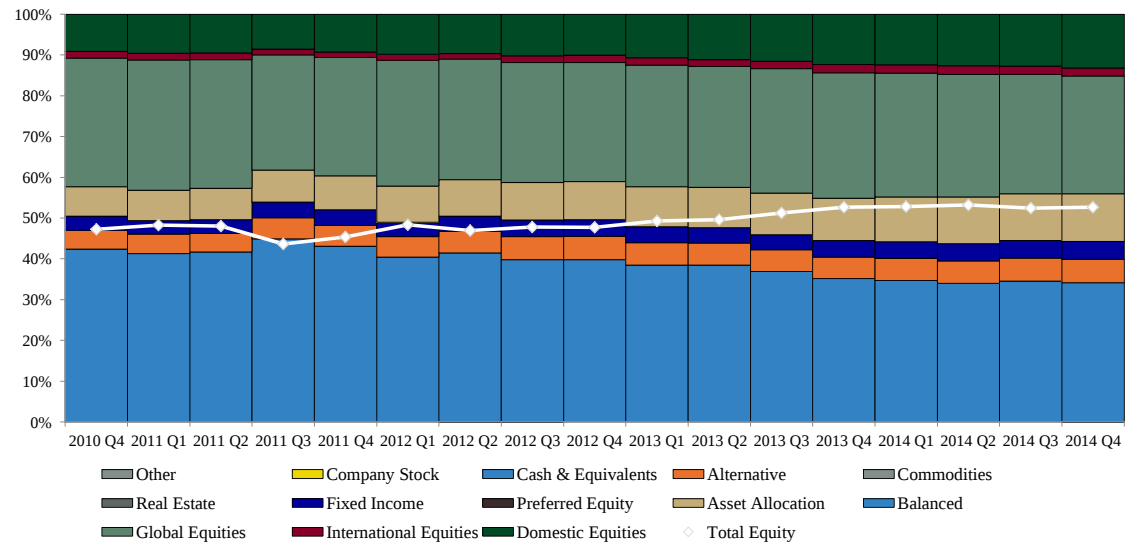
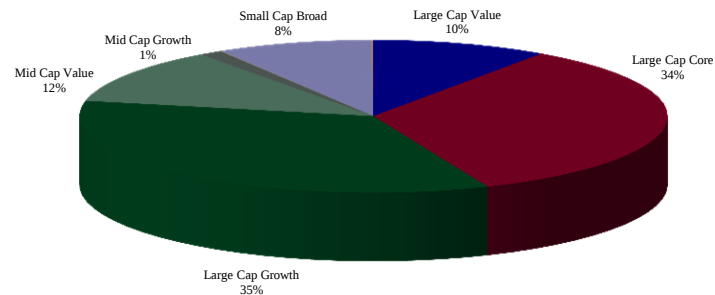
**Juniata College 403(b) Plan  
December 31, 2014**

Investments - 09/30/2014 to 12/31/2014

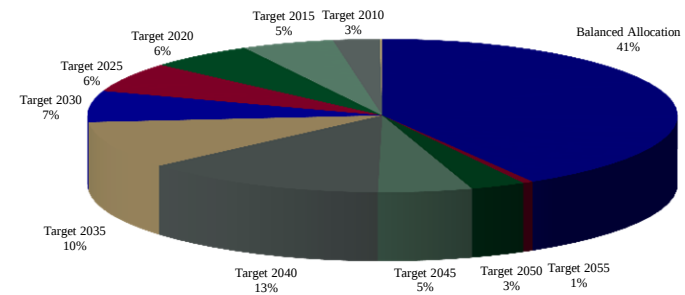
| Investment Option                       | Beginning<br>Market Value | Contributions    | Forfeitures | Transfers   | Withdrawals        | Gain/Loss          | Ending<br>Market Value |
|-----------------------------------------|---------------------------|------------------|-------------|-------------|--------------------|--------------------|------------------------|
| TIAA-CREF Large-Cap Value Idx Retire    | \$217,214                 | \$3,089          | \$0         | \$17,840    | (\$81)             | \$11,797           | \$249,859              |
| TIAA-CREF Large-Cap Value Retire        | \$960,822                 | \$8,123          | \$0         | (\$2,076)   | (\$457)            | \$37,119           | \$1,003,530            |
| TIAA RASRA-CREF:Eq Idx                  | \$2,711,171               | \$22,795         | \$0         | (\$55,807)  | (\$5,396)          | \$138,372          | \$2,811,134            |
| TIAA-CREF Equity Index R                | \$442,636                 | \$9,146          | \$0         | \$0         | \$0                | \$23,032           | \$474,815              |
| TIAA-CREF Growth & Income Retire        | \$465,795                 | \$4,871          | \$0         | \$8,748     | \$0                | \$19,317           | \$498,731              |
| TIAA-CREF S&P 500 Index Retire          | \$107,716                 | \$5,345          | \$0         | \$80,560    | \$0                | \$7,162            | \$200,782              |
| TIAA-CREF Social Choice Eq Retire       | \$387,703                 | \$3,789          | \$0         | (\$3,369)   | (\$21)             | \$15,536           | \$403,639              |
| TIAA RASRA-CREF:Growth                  | \$4,129,785               | \$40,034         | \$0         | (\$82,215)  | (\$9,554)          | \$237,421          | \$4,315,472            |
| TIAA-CREF Large-Cap Gr Idx Retire       | \$105,153                 | \$1,598          | \$0         | \$0         | (\$457)            | \$4,992            | \$111,287              |
| TIAA-CREF Large-Cap Growth R            | \$34,908                  | \$675            | \$0         | \$0         | \$0                | \$1,905            | \$37,488               |
| TIAA-CREF Mid-Cap Value Retire          | \$1,439,536               | \$13,442         | \$0         | (\$12,097)  | (\$166)            | \$84,159           | \$1,524,875            |
| TIAA-CREF Mid-Cap Growth Retire         | \$151,298                 | \$1,864          | \$0         | \$0         | (\$84)             | \$7,952            | \$161,030              |
| Victory Small Company Opportunity A     | \$2,994                   | \$79             | \$0         | \$3,626     | (\$27)             | \$370              | \$7,042                |
| TIAA-CREF Small-Cap Blend Idx Retire    | \$220,898                 | \$3,369          | \$0         | \$15,440    | \$0                | \$21,519           | \$261,225              |
| TIAA-CREF Small-Cap Equity Retire       | \$765,621                 | \$7,285          | \$0         | \$1,472     | (\$183)            | \$68,793           | \$842,988              |
| Prudential Jennison Small Company Z     | \$5,926                   | \$256            | \$0         | \$11,721    | (\$13)             | \$1,240            | \$19,129               |
| TIAA-CREF International Eq Idx Retire   | \$732,964                 | \$7,371          | \$0         | \$1,775     | (\$278)            | (\$30,238)         | \$711,594              |
| TIAA-CREF International Eq Retire       | \$509,300                 | \$4,920          | \$0         | \$0         | (\$40)             | (\$8,954)          | \$505,227              |
| American Funds Europacific Growth R4    | \$427,328                 | \$5,513          | \$0         | \$9,841     | (\$34)             | (\$7,271)          | \$435,378              |
| Vanguard Emerging Mkts Stock Idx Adm    | \$0                       | \$3,636          | \$0         | \$254,722   | (\$13)             | (\$6,149)          | \$252,196              |
| Vanguard Emerging Mkts Stock Idx Signal | \$270,718                 | \$0              | \$0         | (\$267,133) | \$0                | (\$3,584)          | \$0                    |
| TIAA RASRA-CREF:Global Eq               | \$3,467,792               | \$29,210         | \$0         | (\$122,100) | (\$10,420)         | \$51,731           | \$3,416,213            |
| TIAA RASRA-CREF:Stock                   | \$24,489,529              | \$136,887        | \$0         | (\$248,410) | (\$103,143)        | \$573,885          | \$24,848,747           |
| TIAA-CREF High-Yield R                  | \$69,922                  | \$1,117          | \$0         | \$3,156     | \$0                | (\$550)            | \$73,645               |
| T. Rowe Price Emerging Markets Bond     | \$33,815                  | \$331            | \$0         | (\$7,746)   | \$0                | (\$1,057)          | \$25,342               |
| TIAA-CREF Bond Plus R                   | \$205,767                 | \$1,596          | \$0         | (\$4,568)   | (\$58)             | \$2,615            | \$205,351              |
| TIAA RASRA-CREF:Bond Market             | \$3,184,839               | \$17,276         | \$0         | (\$2,162)   | (\$3,478)          | \$46,359           | \$3,242,834            |
| TIAA-CREF Bond R                        | \$620,123                 | \$3,915          | \$0         | \$13,345    | (\$26)             | \$8,468            | \$645,826              |
| TIAA-CREF Short-Term Bond R             | \$69,447                  | \$582            | \$0         | \$15,000    | \$0                | (\$111)            | \$84,918               |
| TIAA RASRA-CREF:Infl-Linked Bond        | \$1,367,033               | \$17,060         | \$0         | (\$2,235)   | (\$16,964)         | (\$1,978)          | \$1,362,916            |
| TIAA-CREF Inflation Link Bd R           | \$68,617                  | \$583            | \$0         | (\$6,114)   | \$0                | (\$5)              | \$63,080               |
| TIAA RASRA-CREF:Real Estate Acct        | \$3,607,630               | \$40,592         | \$0         | \$20,594    | (\$16,706)         | \$135,301          | \$3,787,411            |
| TIAA-CREF Real Estate Sec Retire        | \$326,671                 | \$5,433          | \$0         | \$3,963     | (\$35)             | \$46,619           | \$382,651              |
| PIMCO All Asset A                       | \$13,516                  | \$463            | \$0         | \$1,035     | \$0                | (\$436)            | \$14,579               |
| TIAA Traditional Account (RA)           | \$32,196,125              | \$91,427         | \$0         | (\$163,901) | (\$260,570)        | \$339,159          | \$32,202,239           |
| TIAA RASRA-CREF:Money Market            | \$723,572                 | \$9,928          | \$0         | \$491,038   | (\$18,716)         | (\$0)              | \$1,205,822            |
| TIAA-CREF Money Market R                | \$626                     | \$21             | \$0         | \$1,408     | \$0                | \$0                | \$2,055                |
| TIAA RASRA-CREF:Social Choice           | \$4,612,050               | \$40,273         | \$0         | \$5,480     | (\$2,354)          | \$94,701           | \$4,750,150            |
| TIAA-CREF Managed Allc R                | \$291                     | \$61             | \$0         | \$0         | \$0                | \$6                | \$358                  |
| TIAA-CREF Lifecycle 2055 Retire         | \$50,420                  | \$13,462         | \$0         | \$0         | \$0                | \$1,181            | \$65,063               |
| TIAA-CREF Lifecycle 2050 Retire         | \$313,551                 | \$24,176         | \$0         | \$0         | \$0                | \$6,456            | \$344,182              |
| TIAA-CREF Lifecycle 2045 Retirement     | \$548,750                 | \$29,023         | \$0         | \$0         | \$0                | \$11,290           | \$589,064              |
| TIAA-CREF Lifecycle 2040 Retire         | \$1,467,798               | \$41,104         | \$0         | \$636       | (\$9,636)          | \$30,180           | \$1,530,082            |
| TIAA-CREF Lifecycle 2035 Retire         | \$1,079,249               | \$40,211         | \$0         | \$411       | \$0                | \$22,290           | \$1,142,161            |
| TIAA-CREF Lifecycle 2030 Retirement     | \$699,044                 | \$38,201         | \$0         | \$0         | \$0                | \$13,811           | \$751,056              |
| TIAA-CREF Lifecycle 2025 Retirement     | \$670,697                 | \$35,091         | \$0         | \$0         | \$0                | \$12,635           | \$718,424              |
| TIAA-CREF Lifecycle 2020 Retire         | \$636,297                 | \$14,336         | \$0         | \$0         | \$0                | \$10,899           | \$661,532              |
| TIAA-CREF Lifecycle 2015 Retire         | \$583,752                 | \$12,204         | \$0         | (\$14,743)  | (\$10,305)         | \$8,716            | \$579,624              |
| TIAA-CREF Lifecycle 2010 Retire         | \$294,188                 | \$831            | \$0         | (\$2,035)   | (\$3,621)          | \$4,271            | \$293,633              |
| TIAA-CREF Lifecycle Retire Inc Retire   | \$15,427                  | \$143            | \$0         | \$0         | \$0                | \$203              | \$15,774               |
| Loan Default Fund                       | \$0                       | \$0              | \$0         | \$34,905    | \$0                | \$0                | \$34,905               |
| <b>Aggregate</b>                        | <b>\$95,506,025</b>       | <b>\$792,737</b> | <b>\$0</b>  | <b>\$0</b>  | <b>(\$472,838)</b> | <b>\$2,041,131</b> | <b>\$97,867,055</b>    |

\*The cash flow statement is created from unaudited data obtained directly from the Plan's record keeper. For the reporting period, these balances could differ from the actual balances depending on timing of receipt of data by Cornerstone from the record keeper. Please compare to the custodial statement for accuracy, as applicable.

**Juniata College 403(b) Plan**  
**Plan Summary - Style & Capitalization**

**Historical Asset Allocation****Domestic Equity Allocation**

|                  | Market Value | Last Qtr | Current Qtr | Change |
|------------------|--------------|----------|-------------|--------|
| Large Cap Value  | \$1,253,389  | 9.7%     | 9.7%        | 0.0%   |
| Large Cap Core   | \$4,389,100  | 33.9%    | 34.0%       | 0.1%   |
| Large Cap Growth | \$4,464,246  | 35.1%    | 34.5%       | -0.6%  |
| Mid Cap Value    | \$1,524,875  | 11.8%    | 11.8%       | 0.0%   |
| Mid Cap Growth   | \$161,030    | 1.2%     | 1.2%        | 0.0%   |
| Small Cap Value  | \$7,042      | 0.0%     | 0.1%        | 0.0%   |
| Small Cap Broad  | \$1,104,213  | 8.1%     | 8.5%        | 0.4%   |
| Small Cap Growth | \$19,129     | 0.0%     | 0.1%        | 0.1%   |
|                  | \$12,923,024 | 100%     | 100%        | 0%     |

**Target Date/ Asset Allocations**

|                     | Market Value | Last Qtr | Current Qtr | Change |
|---------------------|--------------|----------|-------------|--------|
| Balanced Allocation | \$4,750,508  | 42.0%    | 41.5%       | -0.5%  |
| Target 2055         | \$65,063     | 0.5%     | 0.6%        | 0.1%   |
| Target 2050         | \$344,182    | 2.9%     | 3.0%        | 0.2%   |
| Target 2045         | \$589,064    | 5.0%     | 5.1%        | 0.1%   |
| Target 2040         | \$1,530,082  | 13.4%    | 13.4%       | 0.0%   |
| Target 2035         | \$1,142,161  | 9.8%     | 10.0%       | 0.1%   |
| Target 2030         | \$751,056    | 6.4%     | 6.6%        | 0.2%   |
| Target 2025         | \$718,424    | 6.1%     | 6.3%        | 0.2%   |
| Target 2020         | \$661,532    | 5.8%     | 5.8%        | 0.0%   |
| Target 2015         | \$579,624    | 5.3%     | 5.1%        | -0.3%  |
| Target 2010         | \$293,633    | 2.7%     | 2.6%        | -0.1%  |
| Target Retirement   | \$15,774     | 0.1%     | 0.1%        | 0.0%   |
|                     | \$11,441,102 | 100%     | 100%        | 0%     |

**Juniata College 403(b) Plan**  
**Manager Performance Summary\***

|                                                | <i>Quarterly Return<br/>4th Quarter 2014</i> | <i>Market Value<br/>Beginning of Period</i> | <i>Market Value<br/>End of Period</i> |
|------------------------------------------------|----------------------------------------------|---------------------------------------------|---------------------------------------|
| <b>TIAA-CREF Large-Cap Value Idx Retire</b>    | <b>4.91%</b>                                 | <b>\$217,214</b>                            | <b>\$249,859</b>                      |
| <b>TIAA-CREF Large-Cap Value Retire</b>        | <b>3.84%</b>                                 | <b>\$960,822</b>                            | <b>\$1,003,530</b>                    |
| Russell 1000 Value                             | 4.98%                                        |                                             |                                       |
| <b>TIAA RASRA-CREF:Eq Idx</b>                  | <b>5.15%</b>                                 | <b>\$2,711,171</b>                          | <b>\$2,811,134</b>                    |
| <b>TIAA-CREF Equity Index R</b>                | <b>5.17%</b>                                 | <b>\$442,636</b>                            | <b>\$474,815</b>                      |
| <b>TIAA-CREF Growth &amp; Income Retire</b>    | <b>4.07%</b>                                 | <b>\$465,795</b>                            | <b>\$498,731</b>                      |
| <b>TIAA-CREF S&amp;P 500 Index Retire</b>      | <b>4.81%</b>                                 | <b>\$107,716</b>                            | <b>\$200,782</b>                      |
| <b>TIAA-CREF Social Choice Eq Retire</b>       | <b>4.04%</b>                                 | <b>\$387,703</b>                            | <b>\$403,639</b>                      |
| S&P 500                                        | 4.93%                                        |                                             |                                       |
| <b>TIAA RASRA-CREF:Growth</b>                  | <b>5.75%</b>                                 | <b>\$4,129,785</b>                          | <b>\$4,315,472</b>                    |
| <b>TIAA-CREF Large-Cap Gr Idx Retire</b>       | <b>4.75%</b>                                 | <b>\$105,153</b>                            | <b>\$111,287</b>                      |
| <b>TIAA-CREF Large-Cap Growth R</b>            | <b>5.43%</b>                                 | <b>\$34,908</b>                             | <b>\$37,488</b>                       |
| Russell 1000 Growth                            | 4.78%                                        |                                             |                                       |
| <b>TIAA-CREF Mid-Cap Value Retire</b>          | <b>5.89%</b>                                 | <b>\$1,439,536</b>                          | <b>\$1,524,875</b>                    |
| Russell Mid-Cap Value                          | 6.05%                                        |                                             |                                       |
| <b>TIAA-CREF Mid-Cap Growth Retire</b>         | <b>5.23%</b>                                 | <b>\$151,298</b>                            | <b>\$161,030</b>                      |
| Russell Mid-Cap Growth                         | 5.84%                                        |                                             |                                       |
| <b>Victory Small Company Opportunity A</b>     | <b>8.89%</b>                                 | <b>\$2,994</b>                              | <b>\$7,042</b>                        |
| Russell 2000 Value                             | 9.40%                                        |                                             |                                       |
| <b>TIAA-CREF Small-Cap Blend Idx Retire</b>    | <b>9.73%</b>                                 | <b>\$220,898</b>                            | <b>\$261,225</b>                      |
| <b>TIAA-CREF Small-Cap Equity Retire</b>       | <b>8.91%</b>                                 | <b>\$765,621</b>                            | <b>\$842,988</b>                      |
| Russell 2000                                   | 9.73%                                        |                                             |                                       |
| <b>Prudential Jennison Small Company Z</b>     | <b>5.03%</b>                                 | <b>\$5,926</b>                              | <b>\$19,129</b>                       |
| Russell 2000 Growth                            | 10.06%                                       |                                             |                                       |
| <b>TIAA-CREF International Eq Idx Retire</b>   | <b>-4.10%</b>                                | <b>\$732,964</b>                            | <b>\$711,594</b>                      |
| <b>TIAA-CREF International Eq Retire</b>       | <b>-1.75%</b>                                | <b>\$509,300</b>                            | <b>\$505,227</b>                      |
| MSCI EAFE                                      | -3.57%                                       |                                             |                                       |
| <b>American Funds Europacific Growth R4</b>    | <b>-1.72%</b>                                | <b>\$427,328</b>                            | <b>\$435,378</b>                      |
| MSCI ACWI ex US                                | -3.81%                                       |                                             |                                       |
| <b>Vanguard Emerging Mkts Stock Idx Adm</b>    | <b>-3.70%</b>                                | <b>\$0</b>                                  | <b>\$252,196</b>                      |
| <b>Vanguard Emerging Mkts Stock Idx Signal</b> | <b>N/A</b>                                   | <b>\$270,718</b>                            | <b>\$0</b>                            |
| MSCI Emerging Markets                          | -4.44%                                       |                                             |                                       |
| <b>TIAA RASRA-CREF:Global Eq</b>               | <b>1.50%</b>                                 | <b>\$3,467,792</b>                          | <b>\$3,416,213</b>                    |
| <b>TIAA RASRA-CREF:Stock</b>                   | <b>2.36%</b>                                 | <b>\$24,489,529</b>                         | <b>\$24,848,747</b>                   |
| MSCI ACWI                                      | 0.52%                                        |                                             |                                       |
| <b>TIAA RASRA-CREF:Social Choice</b>           | <b>2.03%</b>                                 | <b>\$4,612,050</b>                          | <b>\$4,750,150</b>                    |
| <b>TIAA-CREF Managed Allc R</b>                | <b>1.80%</b>                                 | <b>\$291</b>                                | <b>\$358</b>                          |
| 60% ACWI; 40% Global Agg                       | -0.10%                                       |                                             |                                       |
| <b>TIAA-CREF Lifecycle 2055 Retire</b>         | <b>2.08%</b>                                 | <b>\$50,420</b>                             | <b>\$65,063</b>                       |
| CAI Tgt Dt Idx 2050                            | 2.11%                                        |                                             |                                       |
| <b>TIAA-CREF Lifecycle 2050 Retire</b>         | <b>1.99%</b>                                 | <b>\$313,551</b>                            | <b>\$344,182</b>                      |
| CAI Tgt Dt Idx 2050                            | 2.11%                                        |                                             |                                       |
| <b>TIAA-CREF Lifecycle 2045 Retirement</b>     | <b>2.01%</b>                                 | <b>\$548,750</b>                            | <b>\$589,064</b>                      |
| CAI Tgt Dt Idx 2045                            | 2.10%                                        |                                             |                                       |
| <b>TIAA-CREF Lifecycle 2040 Retire</b>         | <b>2.05%</b>                                 | <b>\$1,467,798</b>                          | <b>\$1,530,082</b>                    |
| CAI Tgt Dt Idx 2040                            | 2.07%                                        |                                             |                                       |
| <b>TIAA-CREF Lifecycle 2035 Retire</b>         | <b>2.03%</b>                                 | <b>\$1,079,249</b>                          | <b>\$1,142,161</b>                    |
| CAI Tgt Dt Idx 2035                            | 2.00%                                        |                                             |                                       |

**Juniata College 403(b) Plan**  
**Manager Performance Summary\***

|                                                                             | <i>Quarterly Return<br/>4th Quarter 2014</i> | <i>Market Value<br/>Beginning of Period</i> | <i>Market Value<br/>End of Period</i> |
|-----------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------|---------------------------------------|
| <b>TIAA-CREF Lifecycle 2030 Retirement</b><br>CAI Tgt Dt Idx 2030           | 1.93%<br>1.91%                               | \$699,044                                   | \$751,056                             |
| <b>TIAA-CREF Lifecycle 2025 Retirement</b><br>CAI Tgt Dt Idx 2025           | 1.85%<br>1.82%                               | \$670,697                                   | \$718,424                             |
| <b>TIAA-CREF Lifecycle 2020 Retire</b><br>CAI Tgt Dt Idx 2020               | 1.70%<br>1.68%                               | \$636,297                                   | \$661,532                             |
| <b>TIAA-CREF Lifecycle 2015 Retire</b><br>CAI Tgt Dt Idx 2015               | 1.56%<br>1.51%                               | \$583,752                                   | \$579,624                             |
| <b>TIAA-CREF Lifecycle 2010 Retire</b><br>CAI Tgt Dt Idx 2010               | 1.46%<br>1.39%                               | \$294,188                                   | \$293,633                             |
| <b>TIAA-CREF Lifecycle Retire Inc Retire</b><br>40% ACWI; 60% Global Agg    | 1.31%<br>-0.41%                              | \$15,427                                    | \$15,774                              |
| <b>TIAA-CREF High-Yield R</b><br>Barclays:High Yld Corp                     | -0.75%<br>-1.00%                             | \$69,922                                    | \$73,645                              |
| <b>T. Rowe Price Emerging Markets Bond</b><br>Barclays:EM Hard Curr Agg     | -2.57%<br>-2.13%                             | \$33,815                                    | \$25,342                              |
| <b>TIAA-CREF Bond Plus R</b><br>Barclays Capital U.S. Universal Idx         | 1.27%<br>1.34%                               | \$205,767                                   | \$205,351                             |
| <b>TIAA RASRA-CREF:Bond Market</b>                                          | 1.46%                                        | \$3,184,839                                 | \$3,242,834                           |
| <b>TIAA-CREF Bond R</b>                                                     | 1.36%                                        | \$620,123                                   | \$645,826                             |
| Barclays Capital Aggregate                                                  | 1.79%                                        |                                             |                                       |
| <b>TIAA-CREF Short-Term Bond R</b><br>Barclays Capital 1-3 Year Govt/Credit | -0.06%<br>0.17%                              | \$69,447                                    | \$84,918                              |
| <b>TIAA RASRA-CREF:Infl-Linked Bond</b>                                     | -0.14%                                       | \$1,367,033                                 | \$1,362,916                           |
| <b>TIAA-CREF Inflation Link Bd R</b>                                        | -0.17%                                       | \$68,617                                    | \$63,080                              |
| Barclays Capital US TIPS                                                    | -0.03%                                       |                                             |                                       |
| <b>TIAA RASRA-CREF:Real Estate Acct</b>                                     | 3.73%                                        | \$3,607,630                                 | \$3,787,411                           |
| <b>TIAA-CREF Real Estate Sec Retire</b>                                     | 14.13%                                       | \$326,671                                   | \$382,651                             |
| DJ US Real Estate                                                           | 12.29%                                       |                                             |                                       |
| <b>PIMCO All Asset A</b><br>HFRX Global Hedge Fund In                       | -2.97%<br>-1.74%                             | \$13,516                                    | \$14,579                              |
| <b>TIAA Traditional Account (GSRA)</b>                                      | 0.74%                                        | \$0                                         | \$0                                   |
| <b>TIAA Traditional Account (RA)</b>                                        | 0.92%                                        | \$32,196,125                                | \$32,202,239                          |
| <b>TIAA Traditional Account (SRA)</b>                                       | 0.74%                                        | \$0                                         | \$0                                   |
| Stable Vlaue Index                                                          | 0.92%                                        |                                             |                                       |
| <b>TIAA RASRA-CREF:Money Market</b>                                         | 0.00%                                        | \$723,572                                   | \$1,205,822                           |
| <b>TIAA-CREF Money Market R</b>                                             | 0.00%                                        | \$626                                       | \$2,055                               |
| 3 Month T-Bill                                                              | 0.00%                                        |                                             |                                       |
| <b>Loan Default Fund</b>                                                    | N/A                                          | \$0                                         | \$34,905                              |
| <b>Weighted</b> Investment Return                                           | 2.14%                                        | \$95,506,025                                | \$97,867,055                          |
| <b>Blended Benchmark**</b> 53% Equity, 47% Fixed Income                     | 1.83%                                        |                                             |                                       |

\* Fund returns net of fees

\*\*Composite benchmark based on plan assets

Performance quoted is past performance and is no guarantee of future results.

**Juniata College 403(b) Plan  
Historical Performance Summary**

| <i>Time Period</i>                       | <i>Overall<br/>Plan Growth</i> | <i>Net Flow<br/>Change</i> | <i>Investment<br/>Return</i> | <i>Blended Market<br/>Benchmark Return</i> | <i>Market Value<br/>Beginning of Period</i> | <i>Market Value<br/>End of Period</i> | <i>Net Flows</i>   | <i>Income/MV<br/>Gain/Loss</i> |
|------------------------------------------|--------------------------------|----------------------------|------------------------------|--------------------------------------------|---------------------------------------------|---------------------------------------|--------------------|--------------------------------|
| Fourth Quarter 2010                      | 5.33%                          | 0.78%                      | 4.56%                        | 4.06%                                      | \$68,058,430                                | \$71,687,586                          | \$528,724          | \$3,100,433                    |
| <b>Year 2010</b>                         | <b>5.33%</b>                   | <b>0.78%</b>               | <b>4.56%</b>                 | <b>4.06%</b>                               | <b>\$68,058,430</b>                         | <b>\$71,687,586</b>                   | <b>\$528,724</b>   | <b>\$3,100,433</b>             |
| First Quarter 2011                       | 3.34%                          | 0.56%                      | 2.78%                        | 2.66%                                      | \$71,687,586                                | \$74,084,831                          | \$404,043          | \$1,993,203                    |
| Second Quarter 2011                      | 0.16%                          | -0.61%                     | 0.76%                        | 0.42%                                      | \$74,084,831                                | \$74,200,913                          | (\$448,986)        | \$565,068                      |
| Third Quarter 2011                       | -7.96%                         | -0.18%                     | -7.78%                       | -8.12%                                     | \$74,200,913                                | \$68,294,659                          | (\$135,654)        | (\$5,770,601)                  |
| Fourth Quarter 2011                      | 4.78%                          | -0.16%                     | 4.94%                        | 4.40%                                      | \$68,294,659                                | \$71,556,256                          | (\$109,166)        | \$3,370,763                    |
| <b>Year 2011</b>                         | <b>-0.18%</b>                  | <b>-0.39%</b>              | <b>0.22%</b>                 | <b>-1.11%</b>                              | <b>\$71,687,586</b>                         | <b>\$71,556,256</b>                   | <b>(\$289,763)</b> | <b>\$158,433</b>               |
| First Quarter 2012                       | 7.28%                          | 0.58%                      | 6.71%                        | 5.95%                                      | \$71,556,256                                | \$76,767,288                          | \$412,752          | \$4,798,280                    |
| Second Quarter 2012                      | -1.40%                         | 0.26%                      | -1.66%                       | -1.96%                                     | \$76,767,288                                | \$75,693,479                          | \$198,929          | (\$1,272,738)                  |
| Third Quarter 2012                       | 4.03%                          | 0.43%                      | 3.60%                        | 3.41%                                      | \$75,693,479                                | \$78,744,143                          | \$325,947          | \$2,724,717                    |
| Fourth Quarter 2012                      | 1.80%                          | 0.27%                      | 1.53%                        | 1.28%                                      | \$78,744,143                                | \$80,159,260                          | \$208,982          | \$1,206,134                    |
| <b>Year 2012</b>                         | <b>12.02%</b>                  | <b>1.54%</b>               | <b>10.38%</b>                | <b>8.79%</b>                               | <b>\$71,556,256</b>                         | <b>\$80,159,260</b>                   | <b>\$1,146,611</b> | <b>\$7,456,393</b>             |
| First Quarter 2013                       | 4.74%                          | 0.17%                      | 4.57%                        | 4.11%                                      | \$80,159,260                                | \$83,961,194                          | \$136,321          | \$3,665,614                    |
| Second Quarter 2013                      | 0.11%                          | -0.66%                     | 0.77%                        | -0.02%                                     | \$83,961,194                                | \$84,050,226                          | (\$556,298)        | \$645,330                      |
| Third Quarter 2013                       | 4.18%                          | -0.15%                     | 4.33%                        | 4.17%                                      | \$84,050,226                                | \$87,564,096                          | (\$122,303)        | \$3,636,173                    |
| Fourth Quarter 2013                      | 4.51%                          | -0.52%                     | 5.03%                        | 4.23%                                      | \$87,564,096                                | \$91,515,435                          | (\$455,296)        | \$4,406,635                    |
| <b>Year 2013</b>                         | <b>14.17%</b>                  | <b>-1.16%</b>              | <b>15.47%</b>                | <b>13.01%</b>                              | <b>\$80,159,260</b>                         | <b>\$91,515,435</b>                   | <b>(\$997,576)</b> | <b>\$12,353,751</b>            |
| First Quarter 2014                       | 1.04%                          | -0.23%                     | 1.26%                        | 1.60%                                      | \$91,515,435                                | \$92,465,523                          | (\$206,923)        | \$1,157,012                    |
| Second Quarter 2014                      | 2.46%                          | -0.58%                     | 3.04%                        | 3.50%                                      | \$92,465,523                                | \$94,740,524                          | (\$539,028)        | \$2,814,028                    |
| Third Quarter 2014                       | 1.06%                          | 1.57%                      | -0.51%                       | -0.81%                                     | \$94,740,524                                | \$95,742,137                          | \$1,486,249        | (\$484,636)                    |
| Fourth Quarter 2014                      | 2.47%                          | 0.33%                      | 2.14%                        | 1.83%                                      | \$95,506,025                                | \$97,867,055                          | \$319,899          | \$2,041,131                    |
| <b>Year 2014</b>                         | <b>7.20%</b>                   | <b>1.09%</b>               | <b>6.03%</b>                 | <b>6.21%</b>                               | <b>\$91,515,435</b>                         | <b>\$97,867,055</b>                   | <b>\$1,060,198</b> | <b>\$5,527,534</b>             |
| <i>Historical Performance Cumulative</i> | <b>44.15%</b>                  | <b>1.85%</b>               | <b>41.61%</b>                | <b>34.38%</b>                              | <b>\$68,058,430</b>                         | <b>\$97,867,055</b>                   | <b>\$1,448,192</b> | <b>\$28,596,545</b>            |
| <i>Historical Performance Annualized</i> | <b>8.99%</b>                   | <b>0.43%</b>               | <b>8.53%</b>                 | <b>7.20%</b>                               |                                             |                                       |                    |                                |

Performance quoted is past performance and is no guarantee of future results.

**Juniata College 403(b) Plan****Fund Selection List**

| <i>Fund Name</i>                      | <i>Fund Category</i>  | <i>Tot Ret<br/>12 Mo</i> | <i>% Rank<br/>Cat<br/>12 Mo</i> | <i>Tot Ret<br/>Annld<br/>3 Yr</i> | <i>% Rank<br/>Cat<br/>3 Yr</i> | <i>Tot Ret<br/>Annld<br/>5 Yr</i> | <i>% Rank<br/>Cat<br/>5 Yr</i> | <i>Beta<br/>3 Yr</i> | <i>% Rank<br/>Beta</i> | <i>Std Dev<br/>3 Yr</i> | <i>% Rank<br/>Std Dev</i> | <i>Alpha<br/>3 Yr</i> | <i>% Rank<br/>Alpha</i> | <i>Sharpe<br/>Ratio<br/>3 Yr</i> | <i>% Rank<br/>Sharpe<br/>Ratio</i> | <i>Expense<br/>Ratio</i> | <i>% Rank<br/>Expense<br/>Ratio</i> |
|---------------------------------------|-----------------------|--------------------------|---------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------|------------------------|-------------------------|---------------------------|-----------------------|-------------------------|----------------------------------|------------------------------------|--------------------------|-------------------------------------|
| TIAA-CREF Large-Cap Value Idx Retire  | Large Cap Value       | 13.10                    | 24                              | 20.47                             | 40                             | 15.04                             | 25                             | 0.99                 | 64                     | 8.46                    | 68                        | -0.26                 | 32                      | 2.41                             | 12                                 | 0.32                     | 100                                 |
| TIAA-CREF Large-Cap Value Retire      | Large Cap Value       | 8.88                     | 88                              | 20.32                             | 42                             | 14.10                             | 55                             | 1.08                 | 36                     | 9.38                    | 45                        | -1.94                 | 56                      | 2.16                             | 43                                 | 0.70                     | 83                                  |
| CAI MF:Lg Cap Value Style             | Large Cap Value       | 10.87                    | -                               | 19.97                             | -                              | 14.22                             | -                              | -                    | -                      | 9.25                    | -                         | -                     | -                       | 2.11                             | -                                  | -                        | -                                   |
| Russell 1000 Value                    | Large Cap Value       | 13.45                    | 23                              | 20.89                             | 33                             | 15.42                             | 22                             | 1.00                 | 63                     | 8.51                    | 68                        | 0.00                  | 19                      | 2.45                             | 8                                  | -                        | -                                   |
| TIAA RASRA-CREF:Eq Idx                | Large Cap Core        | 12.17                    | 32                              | 20.05                             | 32                             | 15.19                             | 28                             | 1.02                 | 63                     | 9.21                    | 70                        | -0.74                 | 26                      | 2.17                             | 17                                 | 0.39                     | 92                                  |
| TIAA-CREF Equity Index R              | Large Cap Core        | 12.21                    | 30                              | 20.15                             | 29                             | 15.28                             | 27                             | 1.03                 | 63                     | 9.23                    | 70                        | -0.69                 | 25                      | 2.18                             | 15                                 | 0.32                     | 93                                  |
| TIAA-CREF Growth & Income Retire      | Large Cap Core        | 10.91                    | 44                              | 19.97                             | 39                             | 14.91                             | 29                             | 1.12                 | 32                     | 10.11                   | 44                        | -2.49                 | 64                      | 1.97                             | 49                                 | 0.70                     | 80                                  |
| TIAA-CREF S&P 500 Index Retire        | Large Cap Core        | 13.32                    | 18                              | 20.00                             | 34                             | 15.07                             | 28                             | 0.99                 | 71                     | 8.88                    | 79                        | -0.24                 | 18                      | 2.24                             | 11                                 | 0.31                     | 94                                  |
| TIAA-CREF Social Choice Eq Retire     | Large Cap Core        | 11.00                    | 42                              | 19.17                             | 58                             | 14.29                             | 37                             | 1.03                 | 62                     | 9.52                    | 65                        | -1.57                 | 46                      | 2.01                             | 46                                 | 0.43                     | 92                                  |
| CAI MF:Core Equity Style              | Large Cap Core        | 10.73                    | -                               | 19.72                             | -                              | 13.80                             | -                              | -                    | -                      | 9.90                    | -                         | -                     | -                       | 1.97                             | -                                  | -                        | -                                   |
| S&P 500                               | Large Cap Core        | 13.69                    | 16                              | 20.41                             | 26                             | 15.45                             | 26                             | 1.00                 | 69                     | 8.94                    | 78                        | 0.00                  | 16                      | 2.28                             | 9                                  | -                        | -                                   |
| TIAA RASRA-CREF:Growth                | Large Cap Growth      | 13.66                    | 17                              | 21.15                             | 25                             | 15.65                             | 26                             | 1.06                 | 69                     | 10.83                   | 76                        | -0.26                 | 15                      | 1.95                             | 10                                 | 0.42                     | 95                                  |
| TIAA-CREF Large-Cap Gr Idx Retire     | Large Cap Growth      | 12.73                    | 25                              | 19.89                             | 44                             | 15.44                             | 32                             | 1.00                 | 79                     | 10.16                   | 84                        | -0.26                 | 15                      | 1.95                             | 10                                 | 0.32                     | 96                                  |
| TIAA-CREF Large-Cap Growth R          | Large Cap Growth      | 10.99                    | 47                              | 21.73                             | 17                             | 15.60                             | 27                             | 1.13                 | 51                     | 11.88                   | 49                        | -1.10                 | 26                      | 1.82                             | 22                                 | 0.71                     | 80                                  |
| CAI MF:Lg Cap Growth Style            | Large Cap Growth      | 10.67                    | -                               | 19.57                             | -                              | 14.41                             | -                              | -                    | -                      | 11.85                   | -                         | -                     | -                       | 1.66                             | -                                  | -                        | -                                   |
| Russell 1000 Growth                   | Large Cap Growth      | 13.05                    | 21                              | 20.26                             | 34                             | 15.81                             | 23                             | 1.00                 | 78                     | 10.20                   | 83                        | 0.00                  | 14                      | 1.98                             | 10                                 | -                        | -                                   |
| TIAA-CREF Mid-Cap Value Retire        | Mid Cap Value         | 12.57                    | 29                              | 20.08                             | 52                             | 15.35                             | 47                             | 0.97                 | 73                     | 9.51                    | 87                        | -1.11                 | 41                      | 2.10                             | 30                                 | 0.70                     | 95                                  |
| CAI MF:Mid Cap Value Style            | Mid Cap Value         | 11.58                    | -                               | 20.33                             | -                              | 15.22                             | -                              | -                    | -                      | 10.58                   | -                         | -                     | -                       | 1.86                             | -                                  | 1.19                     | -                                   |
| Russell Mid-Cap Value                 | Mid Cap Value         | 14.75                    | 8                               | 21.98                             | 32                             | 17.43                             | 11                             | 1.00                 | 61                     | 9.66                    | 85                        | 0.00                  | 18                      | 2.27                             | 5                                  | -                        | -                                   |
| TIAA-CREF Mid-Cap Growth Retire       | Mid Cap Growth        | 7.45                     | 52                              | 19.93                             | 25                             | 15.90                             | 29                             | 1.08                 | 51                     | 11.60                   | 51                        | -2.11                 | 32                      | 1.71                             | 31                                 | 0.72                     | 94                                  |
| CAI MF:Mid Cap Growth Style           | Mid Cap Growth        | 7.53                     | -                               | 17.72                             | -                              | 15.00                             | -                              | -                    | -                      | 11.92                   | -                         | -                     | -                       | 1.53                             | -                                  | 1.11                     | -                                   |
| Russell Mid-Cap Growth                | Mid Cap Growth        | 11.90                    | 4                               | 20.71                             | 17                             | 16.94                             | 14                             | 1.00                 | 70                     | 10.53                   | 82                        | 0.00                  | 10                      | 1.96                             | 2                                  | -                        | -                                   |
| Victory Small Company Opportunity A   | Small Cap Value       | 6.45                     | 31                              | 16.64                             | 61                             | 14.30                             | 42                             | 0.91                 | 65                     | 10.82                   | 72                        | 0.10                  | 49                      | 1.53                             | 48                                 | 1.35                     | 17                                  |
| CAI MF:Sm Cap Value Style             | Small Cap Value       | 3.81                     | -                               | 18.02                             | -                              | 14.11                             | -                              | -                    | -                      | 11.71                   | -                         | -                     | -                       | 1.49                             | -                                  | 1.08                     | -                                   |
| Russell 2000 Value                    | Small Cap Value       | 4.22                     | 45                              | 18.29                             | 45                             | 14.26                             | 48                             | 1.00                 | 40                     | 11.61                   | 53                        | 0.00                  | 50                      | 1.57                             | 42                                 | -                        | -                                   |
| TIAA-CREF Small-Cap Blend Idx Retire  | Small Cap Broad       | 4.91                     | 35                              | 19.17                             | 40                             | 15.38                             | 41                             | 1.00                 | 53                     | 12.00                   | 64                        | 0.00                  | 44                      | 1.59                             | 28                                 | 0.41                     | 98                                  |
| TIAA-CREF Small-Cap Equity Retire     | Small Cap Broad       | 6.68                     | 21                              | 19.24                             | 39                             | 15.63                             | 37                             | 0.99                 | 56                     | 12.02                   | 64                        | 0.24                  | 41                      | 1.60                             | 27                                 | 0.80                     | 92                                  |
| CAI MF:Sm Cap Broad Style             | Small Cap Broad       | 3.37                     | -                               | 18.57                             | -                              | 14.98                             | -                              | -                    | -                      | 12.71                   | -                         | -                     | -                       | 1.42                             | -                                  | 1.20                     | -                                   |
| Russell 2000                          | Small Cap Broad       | 4.89                     | 35                              | 19.21                             | 39                             | 15.55                             | 38                             | 1.00                 | 52                     | 12.03                   | 64                        | 0.00                  | 44                      | 1.59                             | 28                                 | -                        | -                                   |
| Prudential Jennison Small Company Z   | Small Cap Growth      | 8.10                     | 12                              | 18.19                             | 65                             | 15.36                             | 51                             | 0.70                 | 100                    | 9.46                    | 100                       | 3.82                  | 4                       | 1.92                             | 1                                  | 0.84                     | 91                                  |
| CAI MF:Sm Cap Growth Style            | Small Cap Growth      | 1.99                     | -                               | 19.73                             | -                              | 15.49                             | -                              | -                    | -                      | 14.31                   | -                         | -                     | -                       | 1.37                             | -                                  | 1.25                     | -                                   |
| Russell 2000 Growth                   | Small Cap Growth      | 5.60                     | 24                              | 20.14                             | 37                             | 16.80                             | 28                             | 1.00                 | 65                     | 12.77                   | 77                        | 0.00                  | 37                      | 1.57                             | 29                                 | -                        | -                                   |
| TIAA-CREF International Eq Idx Retire | Intl Large Cap Core   | -5.71                    | 39                              | 10.85                             | 37                             | 5.11                              | 34                             | 1.01                 | 22                     | 12.05                   | 38                        | -0.32                 | 42                      | 0.89                             | 37                                 | 0.32                     | 91                                  |
| TIAA-CREF International Eq Retire     | Intl Large Cap Core   | -8.25                    | 97                              | 14.13                             | 3                              | 6.30                              | 10                             | 1.26                 | 1                      | 16.13                   | 1                         | 0.50                  | 28                      | 0.87                             | 47                                 | 0.76                     | 73                                  |
| CAI MF:Intl Lg Cap Core               | Intl Large Cap Core   | -6.00                    | -                               | 10.39                             | -                              | 4.79                              | -                              | -                    | -                      | 11.92                   | -                         | -                     | -                       | 0.87                             | -                                  | 1.08                     | -                                   |
| MSCI EAFE                             | Intl Large Cap Core   | -4.90                    | 28                              | 11.06                             | 31                             | 5.33                              | 29                             | 1.00                 | 37                     | 11.86                   | 52                        | 0.00                  | 35                      | 0.93                             | 29                                 | -                        | -                                   |
| American Funds Europacific Growth R4  | Intl Core Plus        | -2.66                    | 23                              | 11.72                             | 35                             | 5.68                              | 50                             | 0.90                 | 86                     | 10.87                   | 85                        | 3.00                  | 29                      | 1.07                             | 21                                 | 0.84                     | 83                                  |
| CAI MF:Intl Eq Non US Style           | Intl Core Plus        | -5.58                    | -                               | 10.78                             | -                              | 5.68                              | -                              | -                    | -                      | 12.25                   | -                         | -                     | -                       | 0.87                             | -                                  | 1.13                     | -                                   |
| MSCI ACWI ex US                       | Global Equities       | -3.44                    | 27                              | 9.49                              | 71                             | 4.89                              | 63                             | 1.00                 | 51                     | 11.78                   | 62                        | 0.00                  | 69                      | 0.80                             | 64                                 | -                        | -                                   |
| Vanguard Emerging Mkts Stock Idx Adm* | Emerging Markets      | 0.60                     | 15                              | 4.33                              | 45                             | 1.91                              | 50                             | 0.98                 | 52                     | 13.10                   | 64                        | 0.01                  | 53                      | 0.33                             | 49                                 | 0.15                     | 100                                 |
| CAI MF:Emerging Mkts Style            | Emerging Markets      | -4.32                    | -                               | 4.22                              | -                              | 1.94                              | -                              | -                    | -                      | 13.50                   | -                         | -                     | -                       | 0.32                             | -                                  | -                        | -                                   |
| MSCI Emerging Markets                 | Emerging Markets      | -1.82                    | 41                              | 4.41                              | 43                             | 2.11                              | 37                             | 1.00                 | 47                     | 13.30                   | 59                        | 0.00                  | 53                      | 0.33                             | 48                                 | -                        | -                                   |
| TIAA RASRA-CREF:Global Eq             | Global Equities       | 4.17                     | 29                              | 16.23                             | 23                             | 10.21                             | 36                             | 1.02                 | 73                     | 9.88                    | 73                        | 1.08                  | 17                      | 1.64                             | 12                                 | 0.47                     | 100                                 |
| TIAA RASRA-CREF:Stock                 | Global Equities       | 6.41                     | 6                               | 16.84                             | 16                             | 11.90                             | 6                              | 1.00                 | 74                     | 9.72                    | 74                        | 1.90                  | 7                       | 1.72                             | 7                                  | 0.46                     | 100                                 |
| CAI MF:GI Equity Style                | Global Equities       | 2.11                     | -                               | 14.68                             | -                              | 9.32                              | -                              | -                    | -                      | 11.20                   | -                         | -                     | -                       | 1.34                             | -                                  | 1.19                     | -                                   |
| MSCI ACWI                             | Aggressive Allocation | 4.71                     | 17                              | 14.72                             | 49                             | 9.74                              | 40                             | 1.00                 | 74                     | 9.53                    | 75                        | 0.00                  | 29                      | 1.54                             | 20                                 | -                        | -                                   |

**Juniata College 403(b) Plan****Fund Selection List**

| <b>Fund Name</b>                      | <b>Fund Category</b>     | <b>Tot Ret<br/>12 Mo</b> | <b>% Rank<br/>Cat<br/>12 Mo</b> | <b>Tot Ret<br/>Annld<br/>3 Yr</b> | <b>% Rank<br/>Cat<br/>3 Yr</b> | <b>Tot Ret<br/>Annld<br/>5 Yr</b> | <b>% Rank<br/>Cat<br/>5 Yr</b> | <b>Beta<br/>3 Yr</b> | <b>% Rank<br/>Beta</b> | <b>Std Dev<br/>3 Yr</b> | <b>% Rank<br/>Std Dev</b> | <b>Alpha<br/>3 Yr</b> | <b>% Rank<br/>Alpha</b> | <b>Sharpe<br/>Ratio<br/>3 Yr</b> | <b>% Rank<br/>Sharpe<br/>Ratio</b> | <b>Expense<br/>Ratio</b> | <b>% Rank<br/>Expense<br/>Ratio</b> |
|---------------------------------------|--------------------------|--------------------------|---------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------|------------------------|-------------------------|---------------------------|-----------------------|-------------------------|----------------------------------|------------------------------------|--------------------------|-------------------------------------|
| TIAA RASRA-CREF:Social Choice         | Balanced Allocation      | 6.83                     | 52                              | 11.43                             | 68                             | 9.54                              | 63                             | 0.76                 | 72                     | 5.49                    | 74                        | 4.35                  | 44                      | 2.07                             | 40                                 | 0.41                     | 93                                  |
| TIAA-CREF Managed Allc R              | Balanced Allocation      | 4.91                     | 87                              | 11.87                             | 63                             | 9.65                              | 60                             | 0.93                 | 35                     | 6.39                    | 32                        | 3.33                  | 76                      | 1.84                             | 76                                 | 0.67                     | 90                                  |
| CAAM:Risk Based Balanced              | Balanced Allocation      | 7.07                     | -                               | 12.54                             | -                              | 10.19                             | -                              | -                    | -                      | 5.99                    | -                         | -                     | -                       | 2.02                             | -                                  | 1.15                     | -                                   |
| 60% ACWI; 40% Global Agg              | Balanced Allocation      | 3.10                     | 94                              | 9.03                              | 94                             | 7.06                              | 100                            | 1.00                 | 21                     | 6.52                    | 29                        | 0.00                  | 98                      | 1.37                             | 94                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2055 Retire       | Target Date 2055         | 4.37                     | 73                              | 15.52                             | 18                             | -                                 | -                              | 1.17                 | 16                     | 9.33                    | 16                        | -1.24                 | 48                      | 1.65                             | 42                                 | 0.61                     | 87                                  |
| Lipper:Mixed-Asset Tgt 2050+          | Target Date 2050         | 5.65                     | -                               | 14.41                             | -                              | 10.41                             | -                              | -                    | -                      | 8.61                    | -                         | -                     | -                       | 1.62                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2050                   | Target Date 2050         | 6.28                     | 31                              | 14.36                             | 51                             | -                                 | -                              | 1.00                 | 69                     | 7.86                    | 81                        | 0.00                  | 23                      | 1.82                             | 18                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2050 Retire       | Target Date 2050         | 4.26                     | 75                              | 15.48                             | 21                             | 11.25                             | 23                             | 1.18                 | 14                     | 9.39                    | 14                        | -1.36                 | 51                      | 1.64                             | 45                                 | 0.71                     | 77                                  |
| Lipper:Mixed-Asset Tgt 2050+          | Target Date 2050         | 5.65                     | -                               | 14.41                             | -                              | 10.41                             | -                              | -                    | -                      | 8.61                    | -                         | -                     | -                       | 1.62                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2050                   | Target Date 2050         | 6.28                     | 31                              | 14.36                             | 51                             | -                                 | -                              | 1.00                 | 69                     | 7.86                    | 81                        | 0.00                  | 23                      | 1.82                             | 18                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2045 Retirement   | Target Date 2045         | 4.28                     | 73                              | 15.49                             | 23                             | 11.25                             | 29                             | 1.19                 | 17                     | 9.36                    | 17                        | -1.34                 | 63                      | 1.65                             | 58                                 | 0.71                     | 75                                  |
| Lipper:Mixed-Asset Tgt 2045           | Target Date 2045         | 5.56                     | -                               | 14.30                             | -                              | 10.67                             | -                              | -                    | -                      | 8.55                    | -                         | -                     | -                       | 1.68                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2045                   | Target Date 2045         | 6.27                     | 31                              | 14.20                             | 54                             | 10.95                             | 38                             | 1.00                 | 76                     | 7.76                    | 80                        | 0.00                  | 27                      | 1.82                             | 24                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2040 Retire       | Target Date 2040         | 4.38                     | 73                              | 15.52                             | 14                             | 11.30                             | 17                             | 1.22                 | 8                      | 9.38                    | 8                         | -1.37                 | 50                      | 1.65                             | 42                                 | 0.71                     | 76                                  |
| Lipper:Mixed-Asset Tgt 2040           | Target Date 2040         | 5.53                     | -                               | 13.66                             | -                              | 10.14                             | -                              | -                    | -                      | 8.27                    | -                         | -                     | -                       | 1.61                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2040                   | Target Date 2040         | 6.25                     | 29                              | 13.92                             | 42                             | 10.81                             | 27                             | 1.00                 | 64                     | 7.59                    | 75                        | 0.00                  | 20                      | 1.82                             | 16                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2035 Retire       | Target Date 2035         | 4.42                     | 72                              | 14.97                             | 17                             | 11.01                             | 23                             | 1.23                 | 11                     | 9.08                    | 11                        | -1.40                 | 65                      | 1.64                             | 54                                 | 0.70                     | 75                                  |
| Lipper:Mixed-Asset Tgt 2035           | Target Date 2035         | 5.40                     | -                               | 13.28                             | -                              | 10.19                             | -                              | -                    | -                      | 7.89                    | -                         | -                     | -                       | 1.66                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2035                   | Target Date 2035         | 6.15                     | 30                              | 13.34                             | 48                             | 10.49                             | 40                             | 1.00                 | 72                     | 7.25                    | 74                        | 0.00                  | 26                      | 1.83                             | 22                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2030 Retirement   | Target Date 2030         | 4.53                     | 69                              | 13.96                             | 14                             | 10.52                             | 18                             | 1.22                 | 11                     | 8.26                    | 10                        | -1.13                 | 47                      | 1.68                             | 41                                 | 0.69                     | 79                                  |
| Lipper:Mixed-Asset Tgt 2030           | Target Date 2030         | 5.27                     | -                               | 12.18                             | -                              | 9.36                              | -                              | -                    | -                      | 7.23                    | -                         | -                     | -                       | 1.64                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2030                   | Target Date 2030         | 6.05                     | 25                              | 12.38                             | 46                             | 10.03                             | 32                             | 1.00                 | 59                     | 6.66                    | 69                        | 0.00                  | 18                      | 1.85                             | 15                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2025 Retirement   | Target Date 2025         | 4.56                     | 69                              | 12.80                             | 20                             | 9.98                              | 24                             | 1.23                 | 21                     | 7.42                    | 21                        | -0.95                 | 50                      | 1.72                             | 47                                 | 0.68                     | 75                                  |
| Lipper:Mixed-Asset Tgt 2025           | Target Date 2025         | 5.16                     | -                               | 11.20                             | -                              | 9.21                              | -                              | -                    | -                      | 6.57                    | -                         | -                     | -                       | 1.70                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2025                   | Target Date 2025         | 5.92                     | 32                              | 11.25                             | 48                             | 9.48                              | 38                             | 1.00                 | 64                     | 5.95                    | 67                        | 0.00                  | 24                      | 1.88                             | 21                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2020 Retire       | Target Date 2020         | 4.52                     | 57                              | 11.58                             | 15                             | 9.35                              | 15                             | 1.25                 | 15                     | 6.65                    | 11                        | -0.84                 | 43                      | 1.73                             | 35                                 | 0.66                     | 78                                  |
| Lipper:Mixed-Asset Tgt 2020           | Target Date 2020         | 4.73                     | -                               | 9.25                              | -                              | 7.96                              | -                              | -                    | -                      | 5.56                    | -                         | -                     | -                       | 1.65                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2020                   | Target Date 2020         | 5.71                     | 22                              | 9.99                              | 38                             | 8.84                              | 28                             | 1.00                 | 51                     | 5.24                    | 61                        | 0.00                  | 20                      | 1.90                             | 14                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2015 Retire       | Target Date 2015         | 4.45                     | 46                              | 10.39                             | 14                             | 8.71                              | 15                             | 1.29                 | 13                     | 5.94                    | 13                        | -0.70                 | 47                      | 1.74                             | 38                                 | 0.65                     | 74                                  |
| Lipper:Mixed-Asset Tgt 2015           | Target Date 2015         | 4.35                     | -                               | 8.89                              | -                              | 7.60                              | -                              | -                    | -                      | 5.02                    | -                         | -                     | -                       | 1.69                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2015                   | Target Date 2015         | 5.41                     | 22                              | 8.65                              | 55                             | 8.08                              | 37                             | 1.00                 | 64                     | 4.51                    | 69                        | 0.00                  | 22                      | 1.90                             | 18                                 | -                        | -                                   |
| TIAA-CREF Lifecycle 2010 Retire       | Target Date 2010         | 4.38                     | 40                              | 9.41                              | 13                             | 8.19                              | 11                             | 1.29                 | 14                     | 5.25                    | 13                        | -0.35                 | 30                      | 1.78                             | 29                                 | 0.64                     | 73                                  |
| Lipper:Mixed-Asset Tgt 2010           | Target Date 2010         | 4.10                     | -                               | 8.01                              | -                              | 7.05                              | -                              | -                    | -                      | 4.83                    | -                         | -                     | -                       | 1.67                             | -                                  | -                        | -                                   |
| CAI Tgt Dt Idx 2010                   | Target Date 2010         | 5.17                     | 17                              | 7.56                              | 59                             | 7.41                              | 43                             | 1.00                 | 78                     | 3.94                    | 80                        | 0.00                  | 22                      | 1.90                             | 14                                 | -                        | -                                   |
| TIAA-CREF Lifecycle Retire Inc Retire | Retirement Income        | 4.18                     | 51                              | 8.34                              | 40                             | 7.54                              | 38                             | 0.79                 | 26                     | 4.57                    | 37                        | 3.27                  | 45                      | 1.81                             | 50                                 | 0.63                     | 87                                  |
| Lipper:Income                         | Retirement Income        | 4.23                     | -                               | 7.58                              | -                              | 6.95                              | -                              | -                    | -                      | 4.28                    | -                         | -                     | -                       | 1.81                             | -                                  | 1.06                     | -                                   |
| 40% ACWI; 60% Global Agg              | Moderate Allocation      | 2.28                     | 93                              | 6.23                              | 72                             | 5.64                              | 78                             | 1.00                 | 6                      | 5.32                    | 15                        | 0.00                  | 96                      | 1.16                             | 93                                 | -                        | -                                   |
| TIAA-CREF High-Yield R                | High Yield Bond          | 2.33                     | 32                              | 7.32                              | 70                             | 8.39                              | 30                             | 0.92                 | 77                     | 4.14                    | 81                        | -0.39                 | 34                      | 1.75                             | 35                                 | 0.62                     | 87                                  |
| CAI MF:High Yield Style               | High Yield Bond          | 1.71                     | -                               | 7.76                              | -                              | 8.17                              | -                              | -                    | -                      | 4.52                    | -                         | -                     | -                       | 1.71                             | -                                  | -                        | -                                   |
| Barclays:High Yld Corp                | High Yield Bond          | 2.45                     | 30                              | 8.43                              | 21                             | 9.03                              | 13                             | 1.00                 | 53                     | 4.45                    | 58                        | 0.00                  | 26                      | 1.88                             | 25                                 | -                        | -                                   |
| T. Rowe Price Emerging Markets Bond   | Emerging Markets Bond    | 3.21                     | 33                              | 4.65                              | 44                             | 6.09                              | 46                             | 1.20                 | -                      | 8.03                    | 34                        | -2.19                 | -                       | 0.57                             | 46                                 | 0.94                     | 70                                  |
| CAI MF:Emer Mkt Bond                  | Emerging Markets Bond    | 1.40                     | -                               | 4.31                              | -                              | 5.98                              | -                              | -                    | -                      | 7.81                    | -                         | -                     | -                       | 0.53                             | -                                  | 1.10                     | -                                   |
| Barclays:EM Hard Curr Agg             | Global Emerging Mkt Bond | 3.13                     | 34                              | 5.85                              | 10                             | 6.83                              | 20                             | 1.00                 | -                      | 6.58                    | 94                        | 0.00                  | -                       | 0.88                             | 6                                  | -                        | -                                   |
| TIAA-CREF Bond Plus R                 | Core Plus Bond           | 5.63                     | 55                              | 4.22                              | 44                             | 5.46                              | 52                             | 1.11                 | 55                     | 2.80                    | 65                        | 0.68                  | 49                      | 1.48                             | 26                                 | 0.58                     | 56                                  |
| CAI MF:Core Plus Style                | Core Plus Bond           | 5.85                     | -                               | 4.09                              | -                              | 5.62                              | -                              | -                    | -                      | 3.02                    | -                         | -                     | -                       | 1.39                             | -                                  | -                        | -                                   |
| Barclays Capital U.S. Universal Idx   | Universal Bond           | 5.55                     | 59                              | 3.19                              | 80                             | 4.81                              | 73                             | 1.00                 | 82                     | 2.45                    | 89                        | 0.00                  | 73                      | 1.27                             | 67                                 | -                        | -                                   |

**Juniata College 403(b) Plan****Fund Selection List**

| <i>Fund Name</i>                      | <i>Fund Category</i>   | <i>Tot Ret<br/>12 Mo</i> | <i>% Rank<br/>Cat<br/>12 Mo</i> | <i>Tot Ret<br/>Annld<br/>3 Yr</i> | <i>% Rank<br/>Cat<br/>3 Yr</i> | <i>Tot Ret<br/>Annld<br/>5 Yr</i> | <i>% Rank<br/>Cat<br/>5 Yr</i> | <i>Beta<br/>3 Yr</i> | <i>% Rank<br/>Beta</i> | <i>Std Dev<br/>3 Yr</i> | <i>% Rank<br/>Std Dev</i> | <i>Alpha<br/>3 Yr</i> | <i>% Rank<br/>Alpha</i> | <i>Sharpe<br/>Ratio<br/>3 Yr</i> | <i>% Rank<br/>Sharpe<br/>Ratio</i> | <i>Expense<br/>Ratio</i> | <i>% Rank<br/>Expense<br/>Ratio</i> |
|---------------------------------------|------------------------|--------------------------|---------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------------------|------------------------|-------------------------|---------------------------|-----------------------|-------------------------|----------------------------------|------------------------------------|--------------------------|-------------------------------------|
| TIAA RASRA-CREF:Bond Market           | Core Bond              | 5.52                     | 68                              | 2.87                              | 73                             | 4.44                              | 76                             | 1.04                 | 46                     | 2.61                    | 59                        | 0.11                  | 77                      | 1.07                             | 75                                 | 0.45                     | 65                                  |
| TIAA-CREF Bond R                      | Core Bond              | 5.52                     | 68                              | 3.65                              | 40                             | 4.83                              | 61                             | 1.07                 | 35                     | 2.86                    | 21                        | 0.79                  | 54                      | 1.25                             | 55                                 | 0.57                     | 41                                  |
| CAI MF:Core Bond Style                | Core Bond              | 5.72                     | -                               | 3.49                              | -                              | 4.90                              | -                              | -                    | -                      | 2.67                    | -                         | -                     | -                       | 1.30                             | -                                  | -                        | -                                   |
| Barclays Capital Aggregate            | Core Bond              | 5.97                     | 28                              | 2.66                              | 79                             | 4.45                              | 75                             | 1.00                 | 58                     | 2.46                    | 72                        | 0.00                  | 82                      | 1.05                             | 77                                 | -                        | -                                   |
| TIAA-CREF Short-Term Bond R           | Short Term Bond        | 0.75                     | 49                              | 1.43                              | 45                             | 2.23                              | 26                             | 3.57                 | 1                      | 1.24                    | 25                        | -1.55                 | 88                      | 1.09                             | 52                                 | 0.53                     | 60                                  |
| CAI MF:Defensive FI Style             | Defensive Fixed Income | 0.75                     | -                               | 1.25                              | -                              | 1.88                              | -                              | -                    | -                      | 0.91                    | -                         | -                     | -                       | 1.16                             | -                                  | -                        | -                                   |
| Barclays Capital 1-3 Year Govt/Credit | Short Term Govt/Credit | 0.77                     | 47                              | 0.89                              | 61                             | 1.41                              | 70                             | 1.00                 | 88                     | 0.32                    | 93                        | 0.00                  | 10                      | 2.53                             | 1                                  | -                        | -                                   |
| TIAA RASRA-CREF:Infl-Linked Bond      | TIPS                   | 3.32                     | 15                              | 0.01                              | 47                             | 3.69                              | 27                             | 1.00                 | 32                     | 5.53                    | 40                        | -0.43                 | 49                      | -0.01                            | 47                                 | 0.41                     | 77                                  |
| TIAA-CREF Inflation Link Bd R         | TIPS                   | 3.20                     | 19                              | -0.05                             | 51                             | 3.62                              | 34                             | 0.98                 | 43                     | 5.45                    | 49                        | -0.48                 | 53                      | -0.02                            | 51                                 | 0.52                     | 71                                  |
| Lipper:TIPS Funds                     | TIPS                   | 2.14                     | -                               | -0.03                             | -                              | 3.36                              | -                              | -                    | -                      | 5.45                    | -                         | -                     | -                       | -0.02                            | -                                  | 0.72                     | -                                   |
| Barclays Capital US TIPS              | TIPS                   | 3.64                     | 7                               | 0.44                              | 23                             | 4.11                              | 5                              | 1.00                 | 31                     | 5.54                    | 40                        | 0.00                  | 23                      | 0.07                             | 22                                 | -                        | -                                   |
| TIAA RASRA-CREF:Real Estate Acct      | Real Estate            | 12.22                    | 97                              | 10.64                             | 99                             | 11.63                             | 98                             | 0.05                 | 100                    | 1.31                    | 100                       | 9.78                  | 2                       | 8.07                             | 1                                  | 0.87                     | 80                                  |
| TIAA-CREF Real Estate Sec Retire      | Real Estate            | 27.88                    | 71                              | 15.65                             | 34                             | 16.62                             | 31                             | 0.89                 | 78                     | 10.47                   | 77                        | 2.83                  | 19                      | 1.49                             | 23                                 | 0.77                     | 70                                  |
| CAI MF:Real Estate                    | Real Estate            | 29.43                    | -                               | 15.27                             | -                              | 16.20                             | -                              | -                    | -                      | 11.01                   | -                         | -                     | -                       | 1.39                             | -                                  | -                        | -                                   |
| DJ US Real Estate                     | Alternative            | 27.24                    | 73                              | 14.21                             | 78                             | 14.93                             | 85                             | 1.00                 | -                      | 11.15                   | -                         | 0.00                  | -                       | 1.27                             | -                                  | -                        | -                                   |
| PIMCO All Asset A                     | GTAA                   | 0.38                     | 71                              | 4.94                              | 33                             | 5.88                              | 5                              | 1.30                 | 18                     | 6.65                    | 18                        | 0.91                  | 54                      | 0.73                             | 61                                 | 1.38                     | 54                                  |
| Lipper:Absolute Return                | Real Estate            | 2.04                     | -                               | 3.89                              | -                              | 2.01                              | -                              | -                    | -                      | 4.06                    | -                         | -                     | -                       | 0.98                             | -                                  | 1.46                     | -                                   |
| HFRX Global Hedge Fund In             | Hedge Fund             | -0.58                    | 78                              | 3.17                              | 59                             | 1.04                              | 70                             | 1.00                 | 33                     | 3.16                    | 82                        | 0.00                  | 72                      | 0.98                             | 49                                 | -                        | -                                   |
| TIAA Traditional Account (GSRA)       | Cash & Equivalents     | 3.00                     | 1                               | 3.00                              | 1                              | 3.04                              | 3                              | -                    | -                      | -                       | -                         | -                     | -                       | -                                | -                                  | 0.55                     | -                                   |
| TIAA Traditional Account (RA)         | Cash & Equivalents     | 3.75                     | 1                               | 3.07                              | 1                              | 3.99                              | 1                              | -                    | -                      | -                       | -                         | -                     | -                       | -                                | -                                  | 0.55                     | -                                   |
| TIAA Traditional Account (SRA)        | Cash & Equivalents     | 3.00                     | 1                               | 3.00                              | 1                              | 3.04                              | 3                              | -                    | -                      | -                       | -                         | -                     | -                       | -                                | -                                  | 0.55                     | -                                   |
| CAI:Stable Value                      | Cash & Equivalents     | 1.55                     | -                               | 1.77                              | -                              | 2.19                              | -                              | -                    | -                      | 0.13                    | -                         | -                     | -                       | 13.18                            | -                                  | -                        | -                                   |
| 3 Month T-Bill                        | Cash & Equivalents     | 0.03                     | 100                             | 0.07                              | 100                            | 0.09                              | 100                            | 1.00                 | -                      | 0.02                    | 100                       | 0.00                  | -                       | 0.00                             | 100                                | -                        | -                                   |
| TIAA RASRA-CREF:Money Market          | Cash & Equivalents     | 0.00                     | 87                              | 0.00                              | 92                             | 0.00                              | 86                             | -                    | -                      | 0.00                    | 91                        | -                     | -                       | -337.32                          | 96                                 | 0.40                     | 44                                  |
| TIAA-CREF Money Market R              | Cash & Equivalents     | 0.00                     | 87                              | 0.00                              | 93                             | 0.00                              | 95                             | -                    | -                      | 0.00                    | 93                        | -                     | -                       | -                                | -                                  | 0.38                     | 44                                  |
| Lipper:Instl Money Mkt                | Taxable Money Market   | 0.01                     | -                               | 0.02                              | -                              | 0.02                              | -                              | -                    | -                      | 0.01                    | -                         | -                     | -                       | -5.74                            | -                                  | 0.35                     | -                                   |
| 3 Month T-Bill                        | Cash & Equivalents     | 0.03                     | 20                              | 0.07                              | 20                             | 0.09                              | 21                             | 1.00                 | 1                      | 0.02                    | 29                        | 0.00                  | 20                      | 0.00                             | 21                                 | -                        | -                                   |

\*Share class change

**Performance quoted is past performance and is no guarantee of future results.***Data was obtained from Callan Associates as of December 31, 2014*

**Juniata College 403(b) Plan****IPS Performance Criteria Dashboard**

| Fund Name                             | 3 Yr Alpha | 3 Yr Beta | Peer Group % Rankings |      |      | Sharpe Ratio - 3Yr | Quadrant Rank - 3Yr | Manager Tenure | Composite Rating |
|---------------------------------------|------------|-----------|-----------------------|------|------|--------------------|---------------------|----------------|------------------|
|                                       |            |           | 12 Mo                 | 3 Yr | 5 Yr |                    |                     |                |                  |
| TIAA-CREF Large-Cap Value Retire      | -1.94      | 1.08      | 88                    | 42   | 55   | 2.16               | 2                   | 12.08          | 15               |
| TIAA-CREF Large-Cap Value Idx Retire  | -0.26      | 0.99      | 24                    | 40   | 25   | 2.41               | 1                   | 9.42           | 9                |
| TIAA-CREF S&P 500 Index Retire        | -0.24      | 0.99      | 18                    | 34   | 28   | 2.24               | 1                   | 9.42           | 9                |
| TIAA-CREF Growth & Income Retire      | -2.49      | 1.12      | 44                    | 39   | 29   | 1.97               | 2                   | 9.83           | 11               |
| TIAA-CREF Social Choice Eq Retire     | -1.57      | 1.03      | 42                    | 58   | 37   | 2.01               | 3                   | 9.42           | 10               |
| TIAA-CREF Equity Index R              | -0.69      | 1.03      | 30                    | 29   | 27   | 2.18               | 1                   | 9.08           | 8                |
| TIAA RASRA-CREF:Eq Idx                | -0.74      | 1.02      | 32                    | 32   | 28   | 2.17               | 1                   |                | 8                |
| TIAA-CREF Large-Cap Gr Idx Retire     | -0.26      | 1.00      | 25                    | 44   | 32   | 1.95               | 1                   | 9.42           | 9                |
| TIAA-CREF Large-Cap Growth R          | -1.10      | 1.13      | 47                    | 17   | 27   | 1.82               | 2                   | 8.83           | 8                |
| TIAA RASRA-CREF:Growth                | -0.26      | 1.06      | 17                    | 25   | 26   | 1.95               | 1                   |                | 8                |
| TIAA-CREF Mid-Cap Value Retire        | -1.11      | 0.97      | 29                    | 52   | 47   | 2.10               | 3                   | 12.25          | 10               |
| TIAA-CREF Mid-Cap Growth Retire       | -2.11      | 1.08      | 52                    | 25   | 29   | 1.71               | 1                   | 8.58           | 10               |
| Victory Small Company Opportunity A   | 0.10       | 0.91      | 31                    | 61   | 42   | 1.53               | 3                   | 16.58          | 10               |
| TIAA-CREF Small-Cap Equity Retire     | 0.24       | 0.99      | 21                    | 39   | 37   | 1.60               | 1                   | 10.08          | 10               |
| TIAA-CREF Small-Cap Blend Idx Retire  | 0.00       | 1.00      | 35                    | 40   | 41   | 1.59               | 1                   | 9.42           | 10               |
| Prudential Jennison Small Company Z   | 3.82       | 0.70      | 12                    | 65   | 51   | 1.92               | 3                   | 14.67          | 11               |
| TIAA-CREF International Eq Retire     | 0.50       | 1.26      | 97                    | 3    | 10   | 0.87               | 2                   | 15.50          | 13               |
| TIAA-CREF International Eq Idx Retire | -0.32      | 1.01      | 39                    | 37   | 34   | 0.89               | 2                   | 9.42           | 11               |
| American Funds Europacific Growth R4  | 3.00       | 0.90      | 23                    | 35   | 50   | 1.07               | 1                   | 23.08          | 9                |
| Vanguard Emerging Mkts Stock Idx Adm  | 0.01       | 0.98      | 15                    | 45   | 50   | 0.33               | 1                   | 6.42           | 9                |
| TIAA RASRA-CREF:Stock                 | 1.90       | 1.00      | 6                     | 16   | 6    | 1.72               | 1                   |                | 8                |
| TIAA RASRA-CREF:Global Eq             | 1.08       | 1.02      | 29                    | 23   | 36   | 1.64               | 1                   |                | 9                |
| TIAA-CREF Managed Allc R              | 3.33       | 0.93      | 87                    | 63   | 60   | 1.84               | 4                   | 8.83           | 19               |
| TIAA RASRA-CREF:Social Choice         | 4.35       | 0.76      | 52                    | 68   | 63   | 2.07               | 3                   |                | 13               |
| TIAA-CREF Lifecycle 2055 Retire       | -1.24      | 1.17      | 73                    | 18   |      | 1.65               | 2                   | 3.75           | 10               |
| TIAA-CREF Lifecycle 2050 Retire       | -1.36      | 1.18      | 75                    | 21   | 23   | 1.64               | 2                   | 7.17           | 12               |
| TIAA-CREF Lifecycle 2045 Retirement   | -1.34      | 1.19      | 73                    | 23   | 29   | 1.65               | 2                   | 7.17           | 13               |
| TIAA-CREF Lifecycle 2040 Retire       | -1.37      | 1.22      | 73                    | 14   | 17   | 1.65               | 2                   | 8.83           | 12               |
| TIAA-CREF Lifecycle 2035 Retire       | -1.40      | 1.23      | 72                    | 17   | 23   | 1.64               | 2                   | 8.83           | 14               |
| TIAA-CREF Lifecycle 2030 Retirement   | -1.13      | 1.22      | 69                    | 14   | 18   | 1.68               | 2                   | 8.83           | 12               |
| TIAA-CREF Lifecycle 2025 Retirement   | -0.95      | 1.23      | 69                    | 20   | 24   | 1.72               | 2                   | 8.83           | 12               |
| TIAA-CREF Lifecycle 2020 Retire       | -0.84      | 1.25      | 57                    | 15   | 15   | 1.73               | 2                   | 8.83           | 12               |
| TIAA-CREF Lifecycle 2015 Retire       | -0.70      | 1.29      | 46                    | 14   | 15   | 1.74               | 2                   | 8.83           | 11               |
| TIAA-CREF Lifecycle 2010 Retire       | -0.35      | 1.29      | 40                    | 13   | 11   | 1.78               | 2                   | 8.83           | 11               |
| TIAA-CREF Lifecycle Retire Inc Retire | 3.27       | 0.79      | 51                    | 40   | 38   | 1.81               | 2                   | 7.17           | 10               |
| TIAA-CREF High-Yield R                | -0.39      | 0.92      | 32                    | 70   | 30   | 1.75               | 3                   | 8.83           | 9                |
| T. Rowe Price Emerging Markets Bond   | -2.19      | 1.20      | 33                    | 44   | 46   | 0.57               | 2                   | 20.08          | 10               |
| TIAA-CREF Bond Plus R                 | 0.68       | 1.11      | 55                    | 44   | 52   | 1.48               | 1                   | 8.83           | 10               |
| TIAA-CREF Bond R                      | 0.79       | 1.07      | 68                    | 40   | 61   | 1.25               | 2                   | 11.08          | 13               |
| TIAA RASRA-CREF:Bond Market           | 0.11       | 1.04      | 68                    | 73   | 76   | 1.07               | 3                   |                | 17               |
| TIAA-CREF Short-Term Bond R           | -1.55      | 3.57      | 49                    | 45   | 26   | 1.09               | 2                   | 8.83           | 13               |
| TIAA-CREF Inflation Link Bd R         | -0.48      | 0.98      | 19                    | 51   | 34   | -0.02              | 4                   | 6.42           | 14               |
| TIAA RASRA-CREF:Infl-Linked Bond      | -0.43      | 1.00      | 15                    | 47   | 27   | -0.01              | 2                   |                | 9                |
| TIAA-CREF Real Estate Sec Retire      | 2.83       | 0.89      | 71                    | 34   | 31   | 1.49               | 1                   | 9.08           | 11               |
| TIAA RASRA-CREF:Real Estate Acct      | 9.78       | 0.05      | 97                    | 99   | 98   | 8.07               | 3                   |                | 16               |
| PIMCO All Asset A                     | 0.91       | 1.30      | 71                    | 33   | 5    | 0.73               | 2                   | 12.50          | 14               |

Data was obtained from Morningstar and/or Callan Associates as of December 31, 2014

**Criteria****3 Yr Alpha, Peer Group % Rankings  
& Sharpe Ratio**

|  |                                  |
|--|----------------------------------|
|  | Indicates % Rank < 50            |
|  | Indicates % Rank >= 50 and <= 75 |
|  | Indicates % Rank > 75            |

**3 Yr Beta**

|  |                                 |
|--|---------------------------------|
|  | Indicates % Rank > 50           |
|  | Indicates % Rank > 25 and <= 50 |
|  | Indicates % Rank <= 25          |

**Quadrant Rank**

|   |                                                                      |
|---|----------------------------------------------------------------------|
| 1 | Indicates Risk/Return Upper Left Quadrant - Less Risk & More Return  |
| 2 | Indicates Risk/Return Upper Right Quadrant - More Risk & More Return |
| 3 | Indicates Risk/Return Lower Left Quadrant - Less Risk & Less Return  |
| 4 | Indicates Risk/Return Lower Right Quadrant - More Risk & Less Return |

**Manager Tenure**

|  |                                          |
|--|------------------------------------------|
|  | Indicates Fund Manager Tenure >= 3 Years |
|  | Indicates Fund Manager Tenure < 3 Years  |

**Composite Rating**

|  |                            |
|--|----------------------------|
|  | Total Score <= 14          |
|  | Total Score > 14 and <= 22 |
|  | Total Score > 22           |

## Juniata College 403(b) Plan

### IPS Performance Criteria Dashboard

#### Glossary

**Alpha** - A measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. A positive Alpha figure indicates the portfolio has performed better than its beta would predict. In contrast, a negative Alpha indicates the portfolio has underperformed, given the expectations established by beta.

**Beta** - A quantitative measure of the volatility of a given stock, mutual fund, or portfolio, relative to their respective peer group. Specifically, the performance the stock, fund or portfolio has experienced in the last 3 years as their peer group moved 1% up or down. A beta above 1 is more volatile than their respective peer group, while a beta below 1 is less volatile.

**Manager Tenure** - The number of years that the current manager has been the portfolio manager for the investment product. For products with more than one manager, the tenure of the manager who has been with the product the longest is shown.

**Peer Group % Rankings** - Percentile Ranking is a standardized ranking. The funds are ranked from 1 to 100 (1 being the best and 100 being the worst) based on their return compared to that of their peers. The rest of the observations are placed an equal distance from each other. All the percentile ranks are based on the peer group (Morningstar or Callan Associates Category).

**Quadrant Rank** - A measure that encompasses both risk and return. It is calculated by comparing the return and standard deviation (A statistical measurement of dispersion about an average, which, for a fund, depicts how widely the returns varied over a certain period of time) to the return and standard deviation of the peer group. This allows a graph to be generated where items are plotted in one of four quadrants. Each quadrant represents an explanation of the managers ability to produce returns relative to the risk they take.



**Sharpe Ratio** - A risk-adjusted measure developed by Nobel Laureate William Sharpe. It is calculated by using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe Ratio, the better the fund's historical risk-adjusted performance. The Sharpe ratio is calculated for the past 36-month period by dividing a fund's annualized excess returns by the standard deviation of a fund's annualized excess returns. Since this ratio uses standard deviation as its risk measure, it is most appropriately applied when analyzing a fund that is an investor's sole holding. The Sharpe Ratio can be used to compare two funds directly on how much risk a fund had to bear to earn excess return over the risk-free rate.

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*Cornerstone Advisors Asset Management, Inc. has exercised reasonable care in the preparation of this report. Several portions of this report are obtained from third party sources. While we have attempted to verify all information within, we disclaim all responsibility for any errors that may occur due to third party information and data.*

*The information is provided solely for informational purposes and therefore should not be considered an offer to buy or sell a security. Except as otherwise required by law, Cornerstone shall not be responsible for any trading decisions or damages or other losses resulting from, this information, data, analyses or opinions or their use. Please read the prospectus carefully before investing.*



## **Section III**

### **Manager Evaluations**

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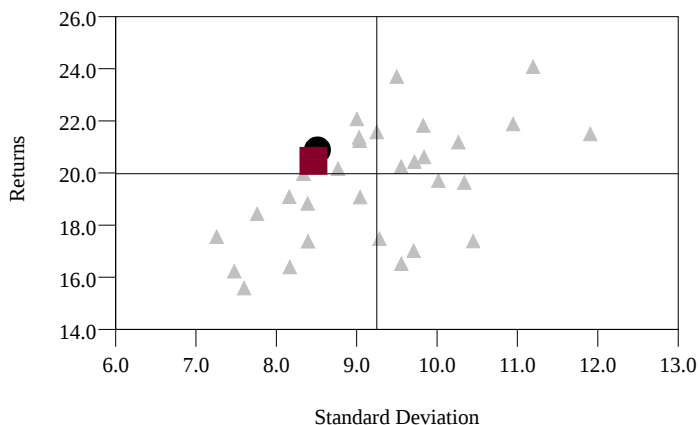
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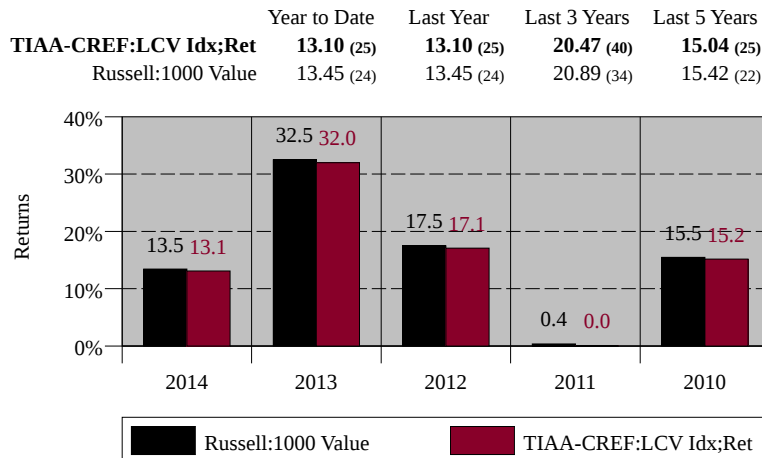
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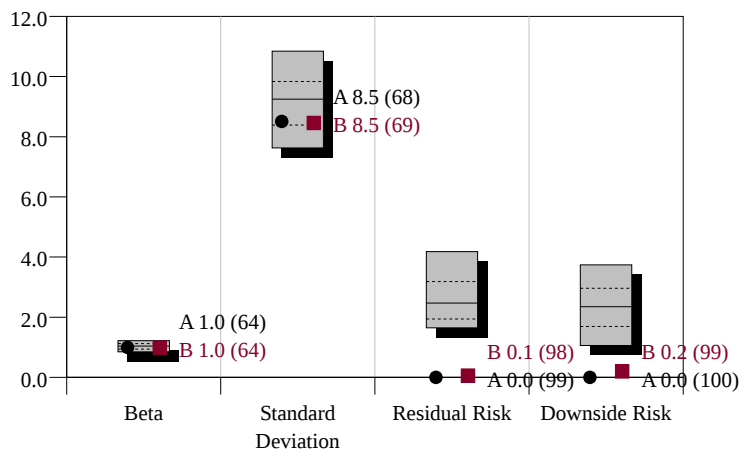
Scatter Chart  
for 3 Years Ended December 31, 2014



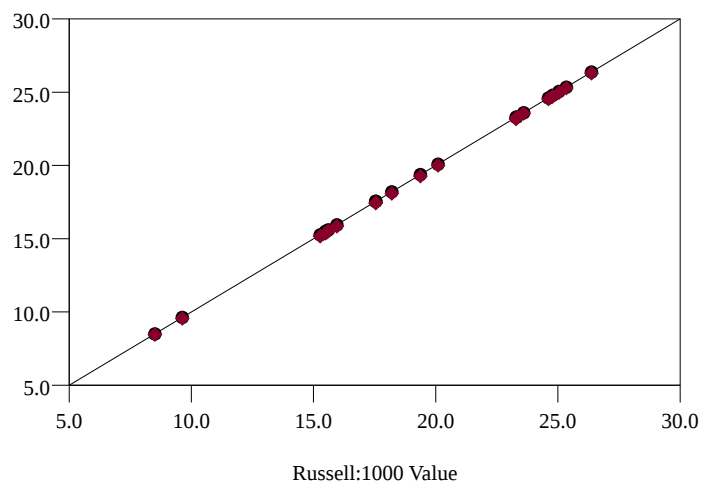
Returns for Various Periods



Risk Statistics for 3 Years

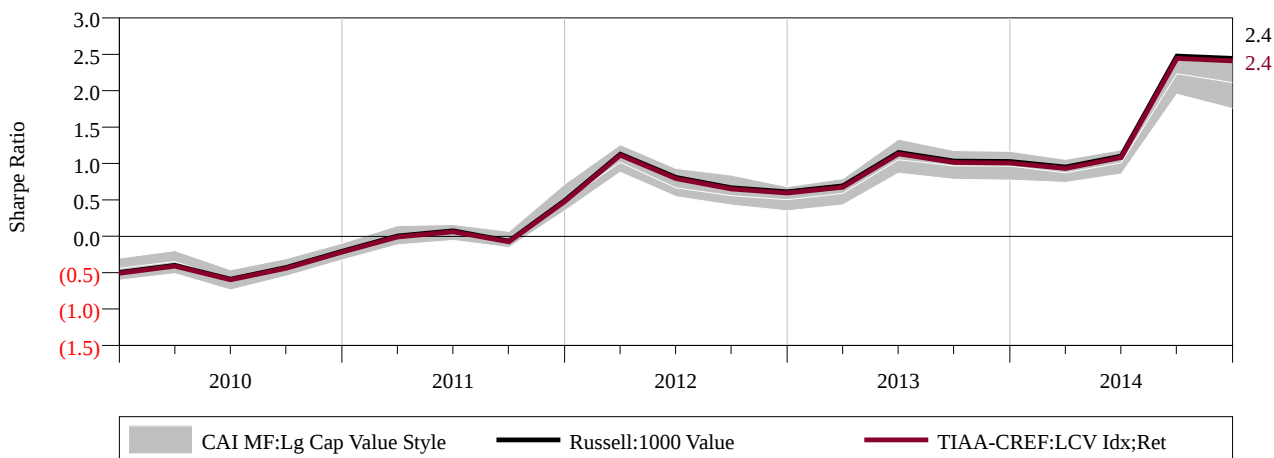


Rolling 12 Quarter Standard Deviation Comparison Chart

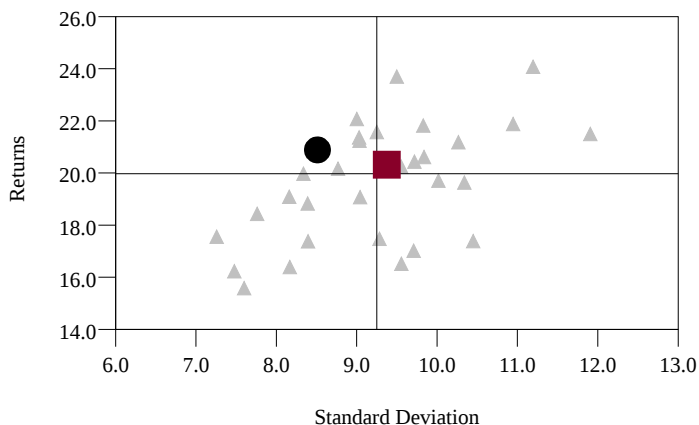


Risk Adjusted Statistics for 3 Years

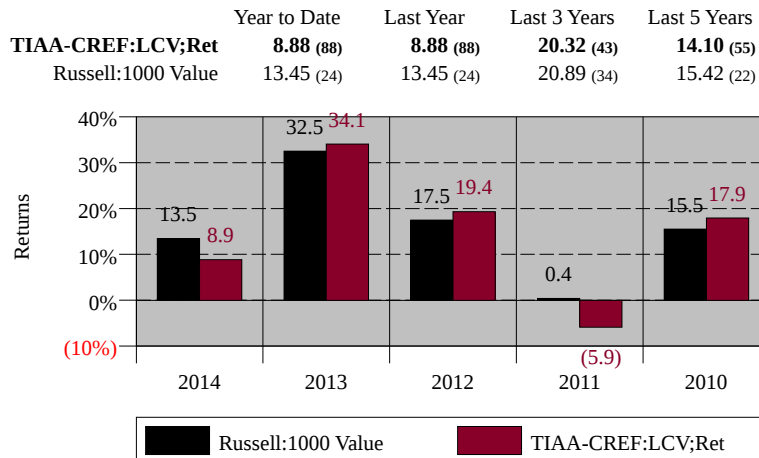
|                              | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio   | Sortino Ratio       |
|------------------------------|--------------------|------------------|-------------------|---------------------|---------------------|
| <b>TIAA-CREF:LCV Idx;Ret</b> | <b>(0.26)</b> (32) | <b>2.41</b> (12) | <b>20.51</b> (31) | <b>(4.12)</b> (100) | <b>(2.10)</b> (100) |
| Russell:1000 Value           | 0.00 (19)          | 2.45 (9)         | 20.82 (18)        | 0.00 (19)           | --                  |



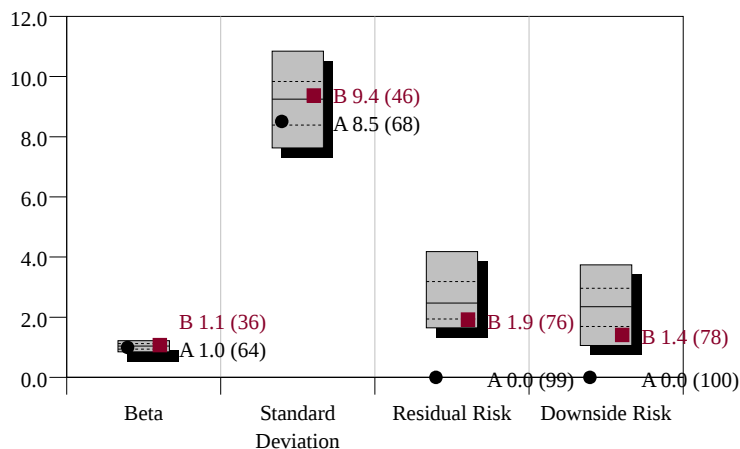
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


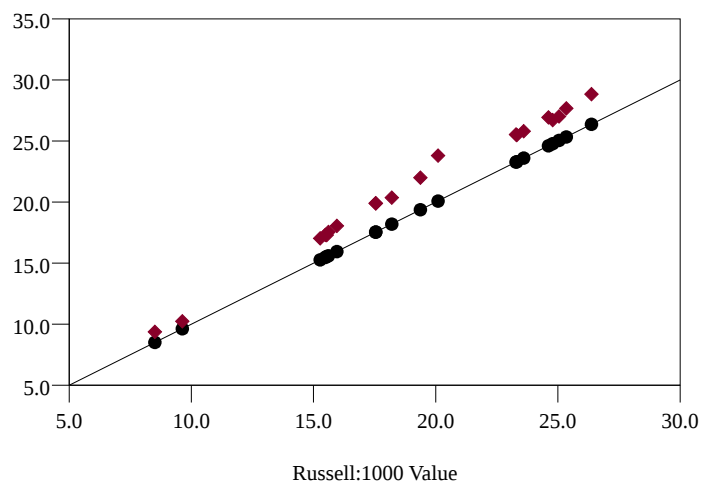
Returns for Various Periods



Risk Statistics for 3 Years

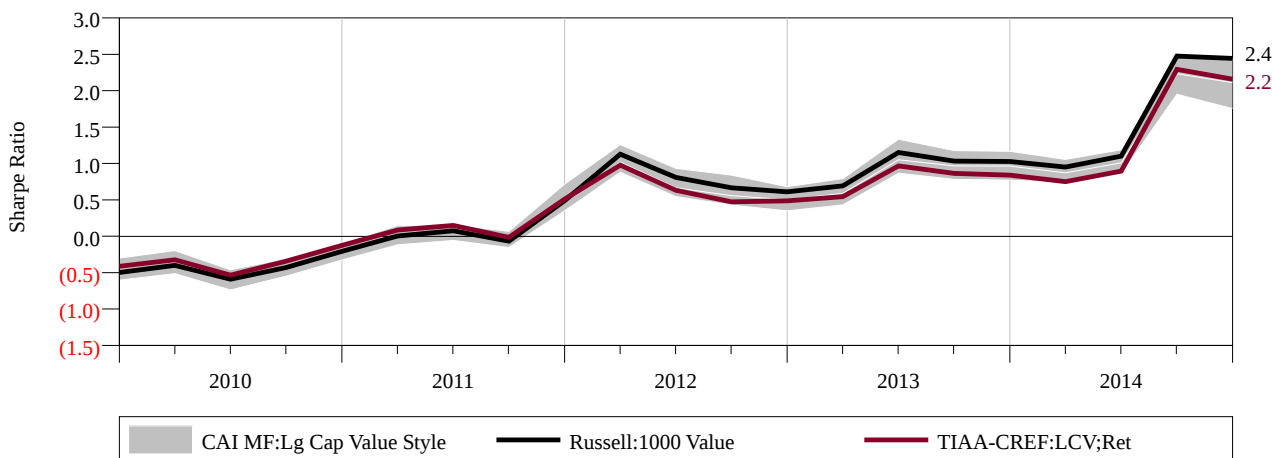


Rolling 12 Quarter Standard Deviation Comparison Chart



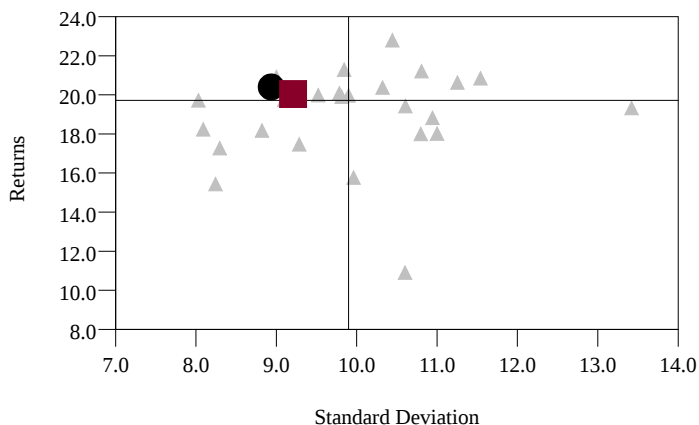
Risk Adjusted Statistics for 3 Years

|                          |              |                     |                      |                          |                      |
|--------------------------|--------------|---------------------|----------------------|--------------------------|----------------------|
| <b>TIAA-CREF:LCV;Ret</b> | <b>Alpha</b> | <b>Sharpe Ratio</b> | <b>Treynor Ratio</b> | <b>Information Ratio</b> | <b>Sortino Ratio</b> |
| Russell:1000 Value       | (1.94) (56)  | 2.16 (44)           | 18.79 (58)           | (1.01) (61)              | (0.40) (44)          |
|                          | 0.00 (19)    | 2.45 (9)            | 20.82 (18)           | 0.00 (19)                | --                   |

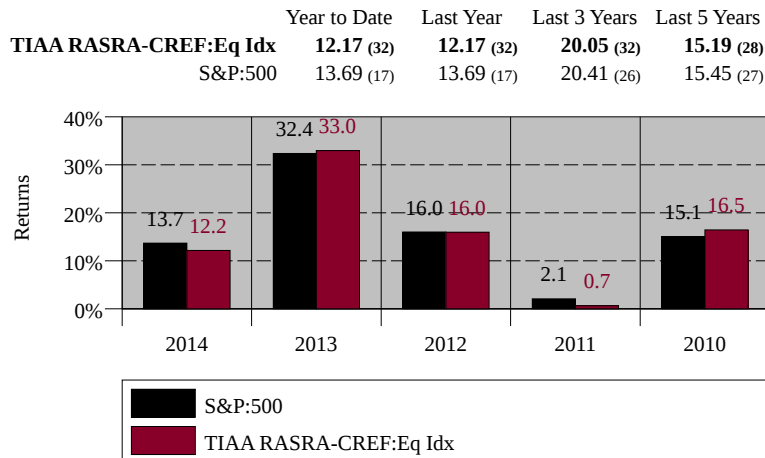


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

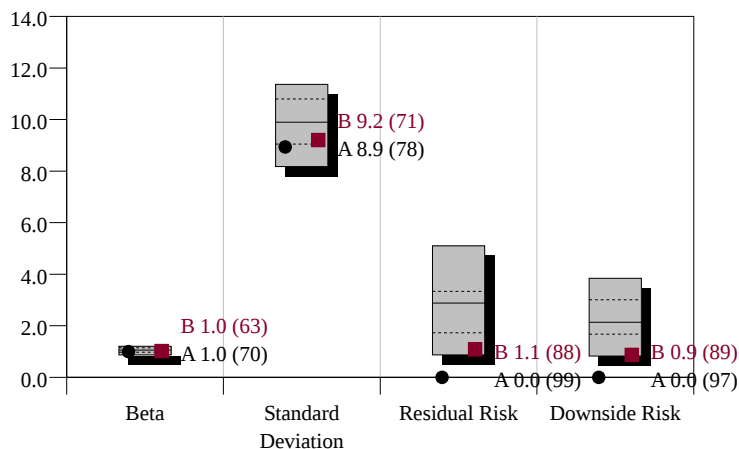
Scatter Chart  
for 3 Years Ended December 31, 2014



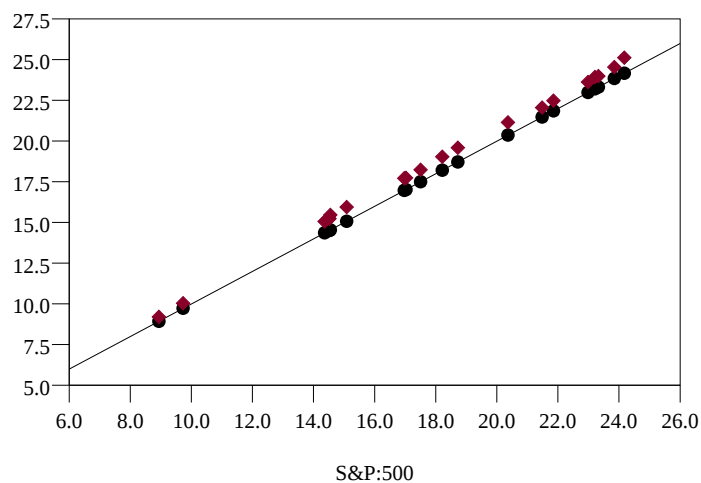
Returns for Various Periods



Risk Statistics for 3 Years

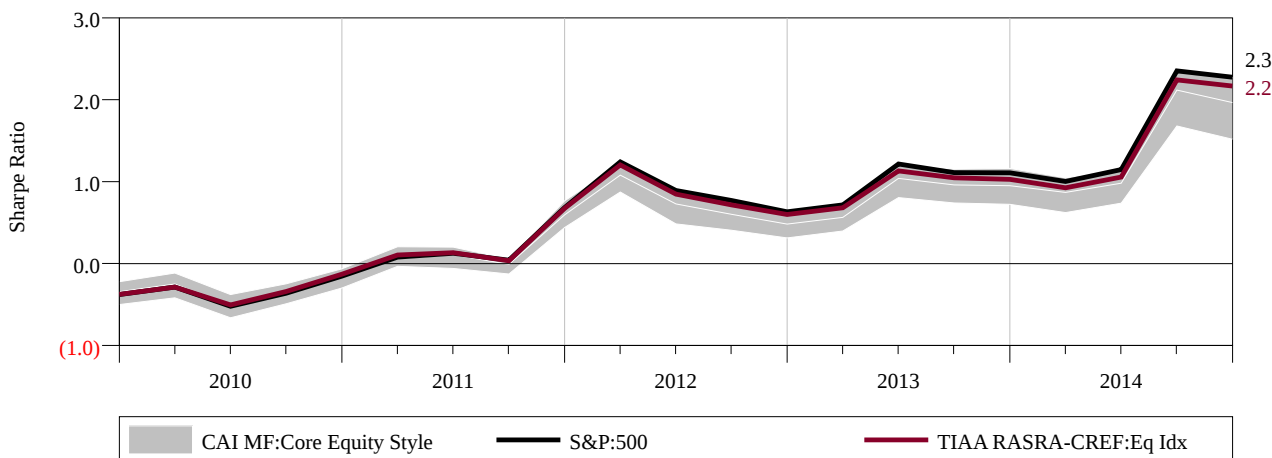


Rolling 12 Quarter Standard Deviation Comparison Chart



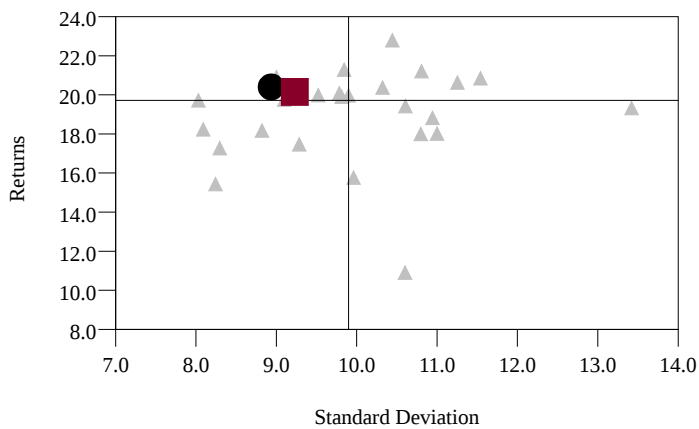
Risk Adjusted Statistics for 3 Years

|                               | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|-------------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA RASRA-CREF:Eq Idx</b> | <b>(0.74)</b> (26) | <b>2.17</b> (18) | <b>19.52</b> (27) | <b>(0.68)</b> (45) | <b>(0.42)</b> (52) |
| <b>S&amp;P:500</b>            | <b>0.00</b> (16)   | <b>2.28</b> (10) | <b>20.34</b> (16) | <b>0.00</b> (17)   | <b>--</b>          |

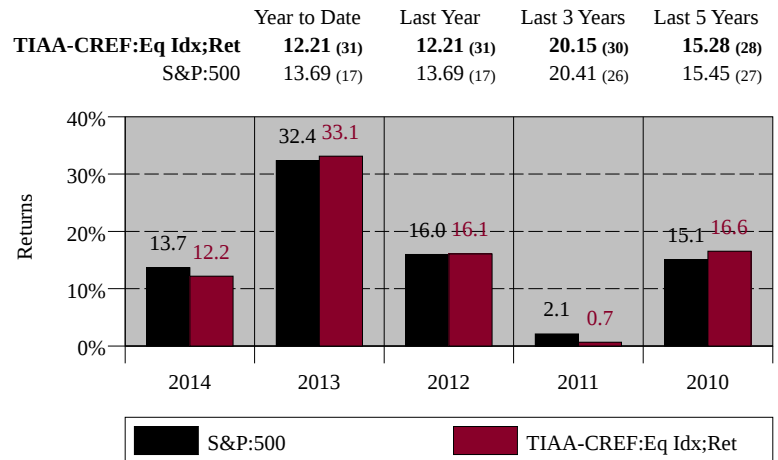


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

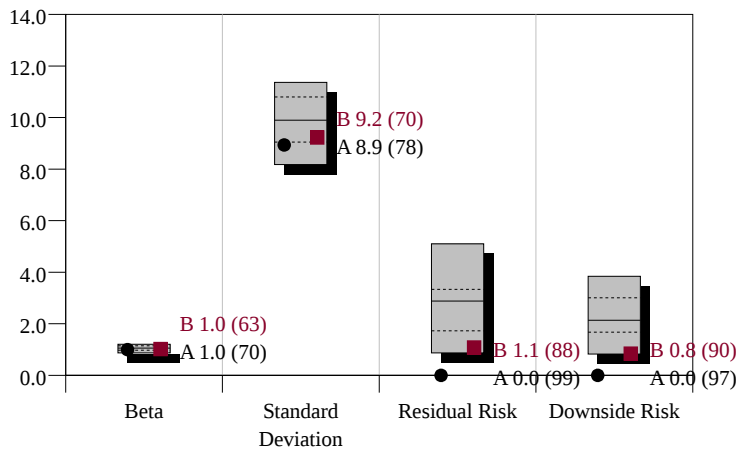
Scatter Chart  
for 3 Years Ended December 31, 2014



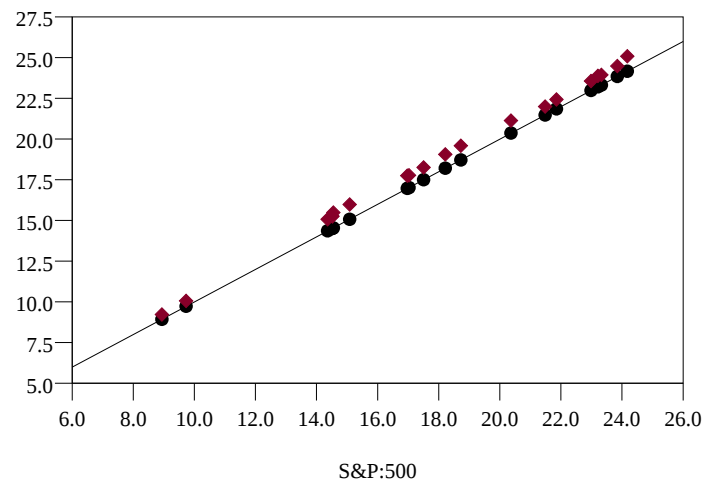
Returns for Various Periods



Risk Statistics for 3 Years



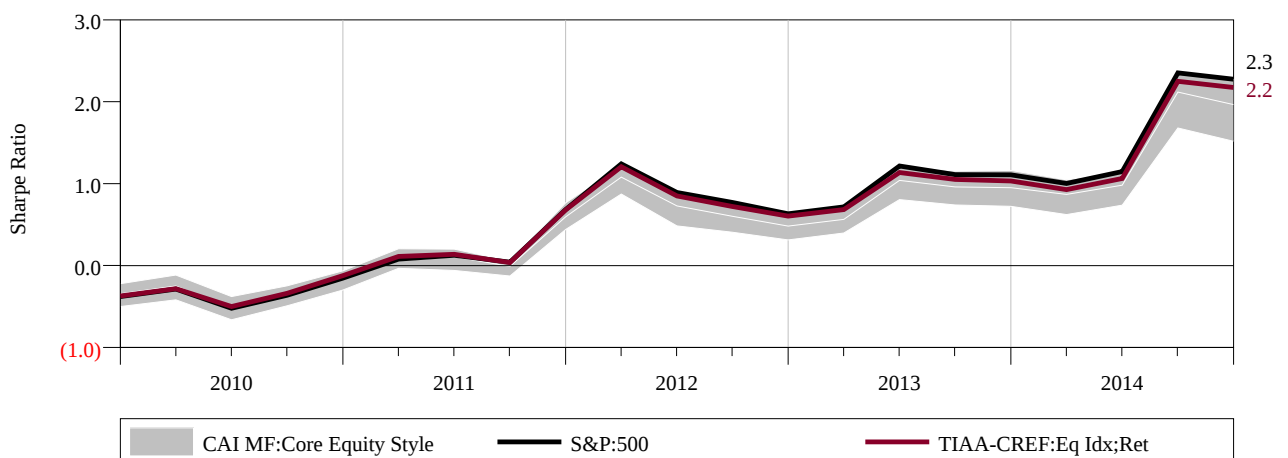
Rolling 12 Quarter Standard Deviation Comparison Chart

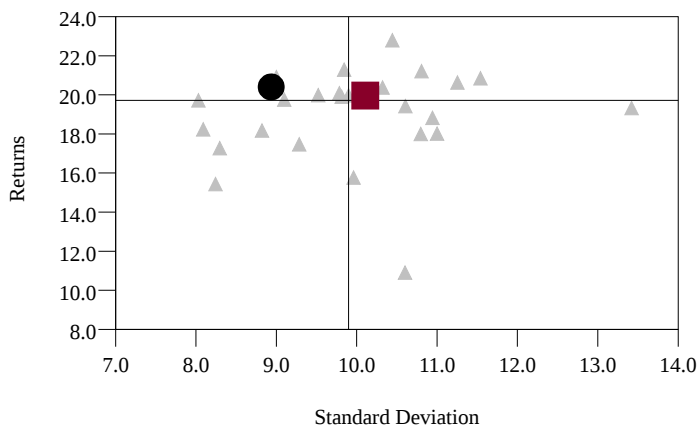


Risk Adjusted Statistics for 3 Years

|                             | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|-----------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA-CREF:Eq Idx;Ret</b> | <b>(0.69)</b> (26) | <b>2.18</b> (15) | <b>19.58</b> (26) | <b>(0.64)</b> (44) | <b>(0.31)</b> (41) |
| <b>S&amp;P:500</b>          | 0.00 (16)          | 2.28 (10)        | 20.34 (16)        | 0.00 (17)          | --                 |

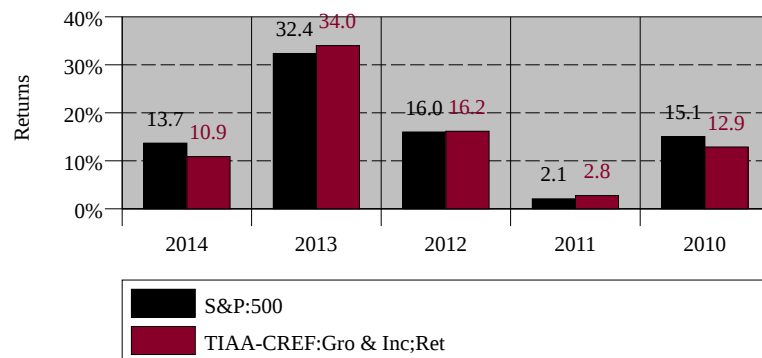
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



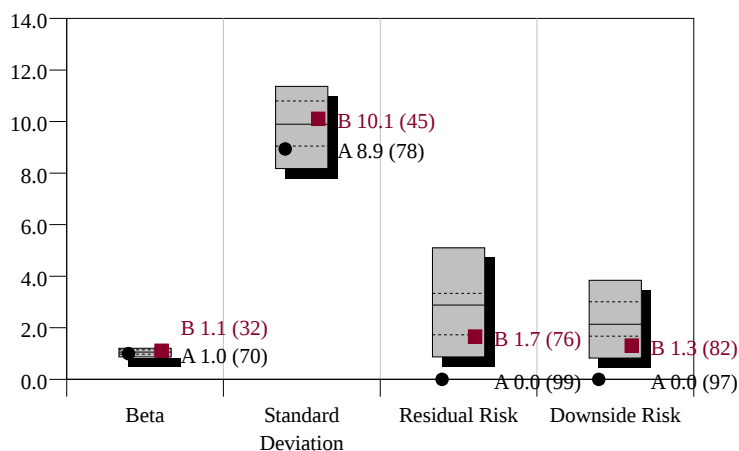
Scatter Chart  
for 3 Years Ended December 31, 2014

Returns for Various Periods

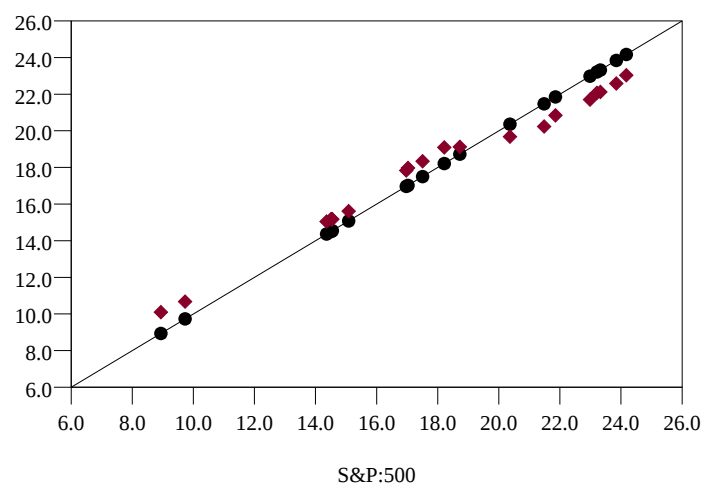
|                                    | Year to Date      | Last Year         | Last 3 Years      | Last 5 Years      |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>TIAA-CREF:Gro &amp; Inc;Ret</b> | <b>10.91 (45)</b> | <b>10.91 (45)</b> | <b>19.97 (39)</b> | <b>14.91 (30)</b> |
| <b>S&amp;P:500</b>                 | <b>13.69 (17)</b> | <b>13.69 (17)</b> | <b>20.41 (26)</b> | <b>15.45 (27)</b> |



Risk Statistics for 3 Years

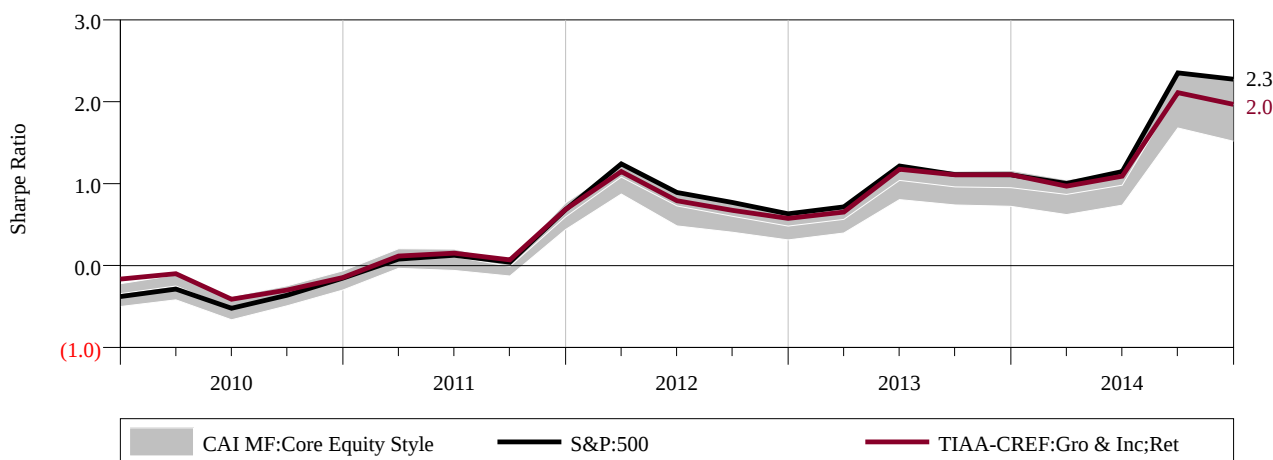


Rolling 12 Quarter Standard Deviation Comparison Chart



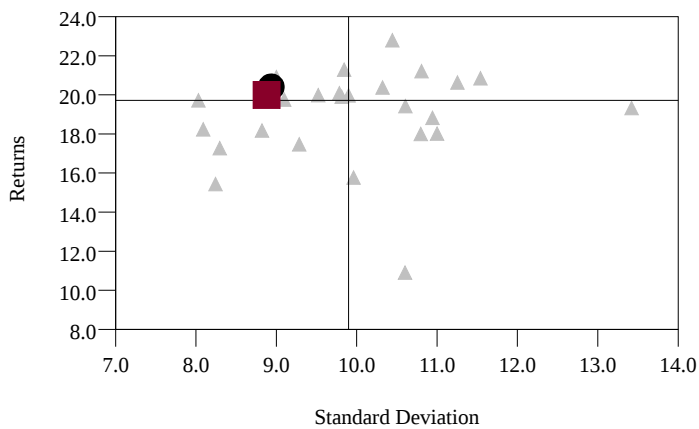
Risk Adjusted Statistics for 3 Years

|                                    | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|------------------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA-CREF:Gro &amp; Inc;Ret</b> | <b>(2.49) (64)</b> | <b>1.97 (50)</b> | <b>17.84 (56)</b> | <b>(1.50) (77)</b> | <b>(0.34) (44)</b> |
| <b>S&amp;P:500</b>                 | <b>0.00 (16)</b>   | <b>2.28 (10)</b> | <b>20.34 (16)</b> | <b>0.00 (17)</b>   | <b>--</b>          |



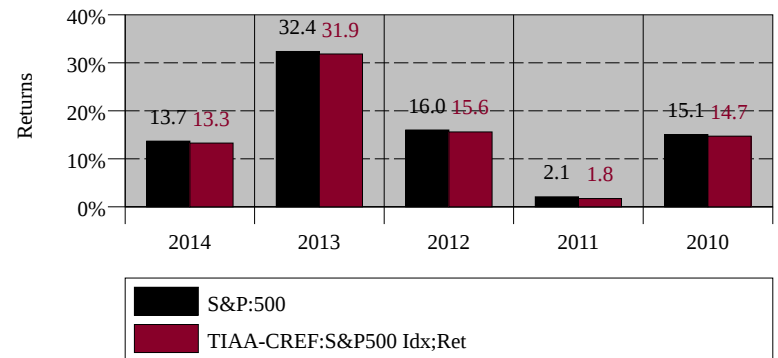
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

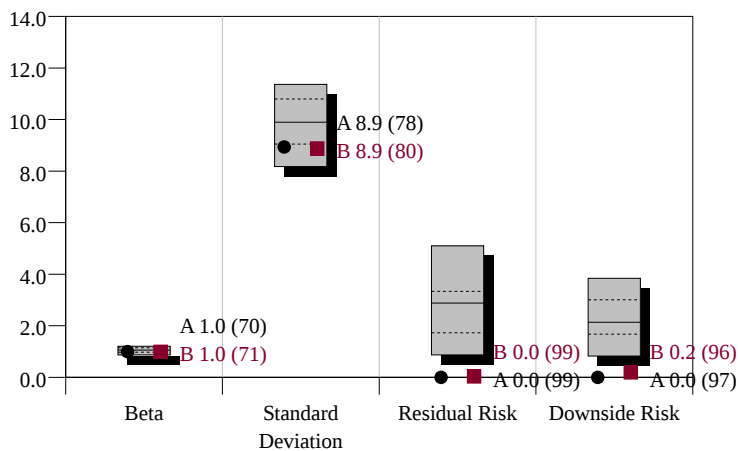


Returns for Various Periods

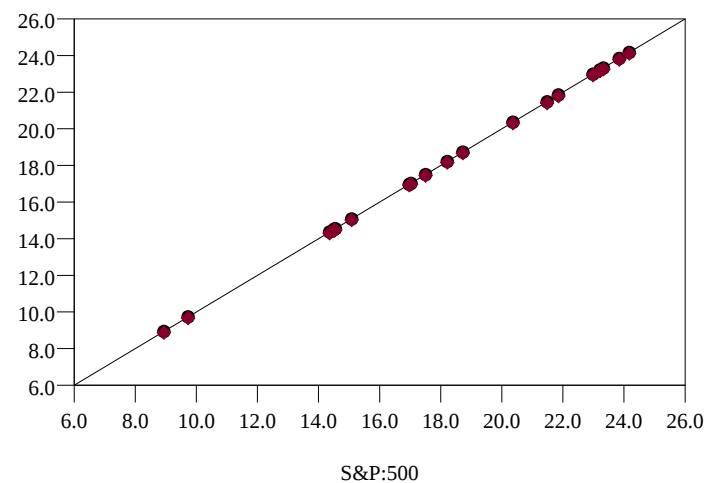
|                                     | Year to Date      | Last Year         | Last 3 Years      | Last 5 Years      |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>TIAA-CREF:S&amp;P500 Idx;Ret</b> | <b>13.32 (19)</b> | <b>13.32 (19)</b> | <b>20.00 (34)</b> | <b>15.07 (29)</b> |
| <b>S&amp;P:500</b>                  | <b>13.69 (17)</b> | <b>13.69 (17)</b> | <b>20.41 (26)</b> | <b>15.45 (27)</b> |



Risk Statistics for 3 Years

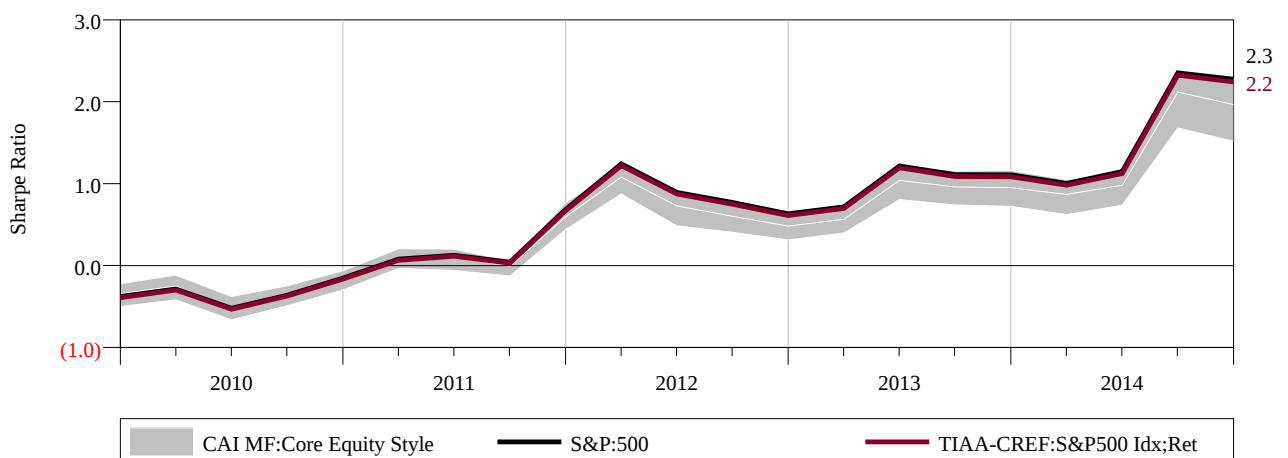


Rolling 12 Quarter Standard Deviation Comparison Chart

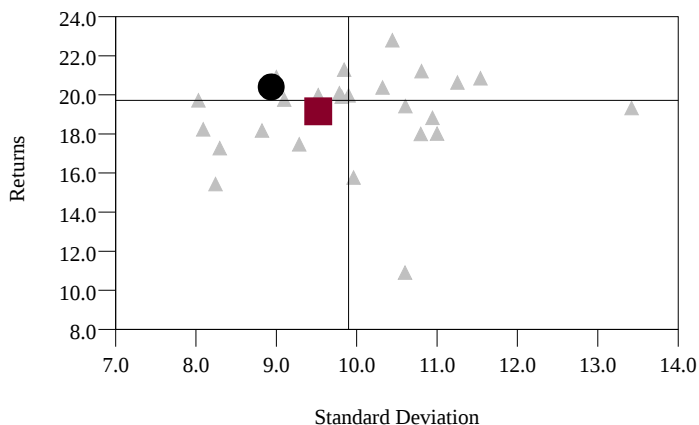


Risk Adjusted Statistics for 3 Years

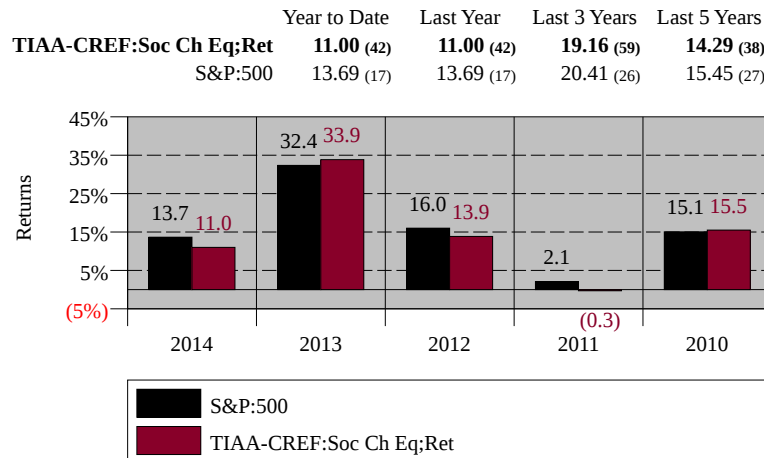
|                                     | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio   | Sortino Ratio       |
|-------------------------------------|--------------------|------------------|-------------------|---------------------|---------------------|
| <b>TIAA-CREF:S&amp;P500 Idx;Ret</b> | <b>(0.24) (19)</b> | <b>2.24 (12)</b> | <b>20.06 (18)</b> | <b>(5.66) (100)</b> | <b>(2.11) (100)</b> |
| <b>S&amp;P:500</b>                  | <b>0.00 (16)</b>   | <b>2.28 (10)</b> | <b>20.34 (16)</b> | <b>0.00 (17)</b>    | <b>--</b>           |



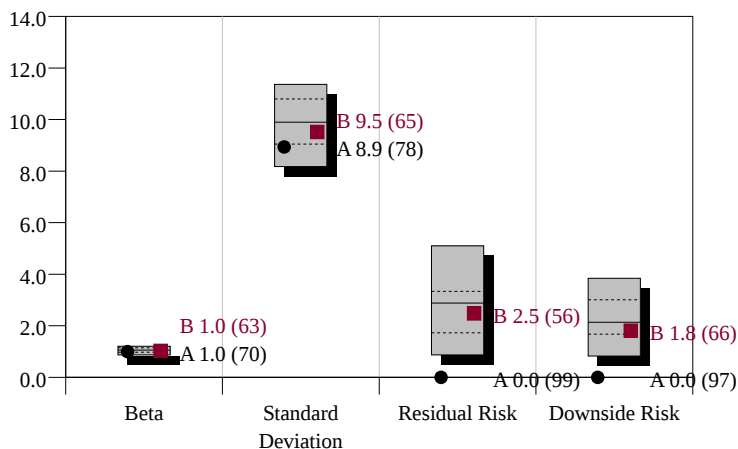
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


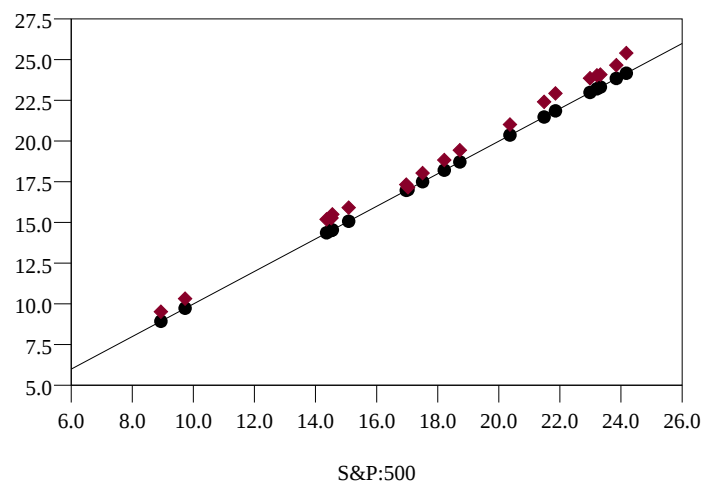
Returns for Various Periods



Risk Statistics for 3 Years

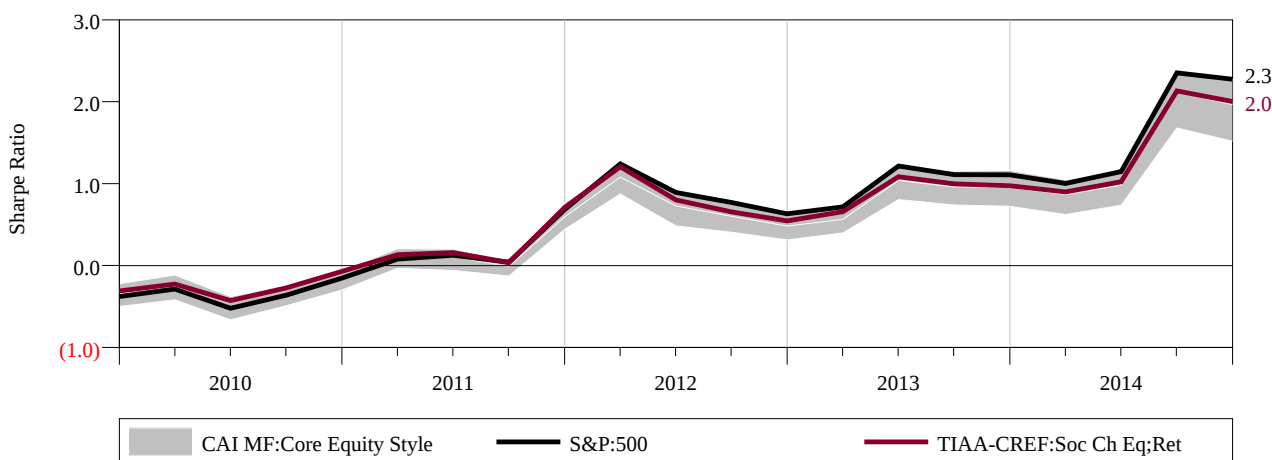


Rolling 12 Quarter Standard Deviation Comparison Chart



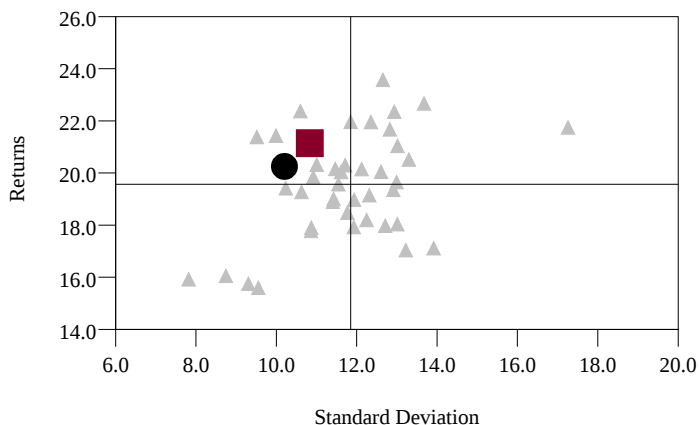
Risk Adjusted Statistics for 3 Years

|                                |                    |                  |                   |                    |                    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
| <b>TIAA-CREF:Soc Ch Eq;Ret</b> | <b>(1.57) (47)</b> | <b>2.01 (47)</b> | <b>18.57 (47)</b> | <b>(0.63) (44)</b> | <b>(0.69) (58)</b> |
| <b>S&amp;P:500</b>             | <b>0.00 (16)</b>   | <b>2.28 (10)</b> | <b>20.34 (16)</b> | <b>0.00 (17)</b>   | <b>--</b>          |



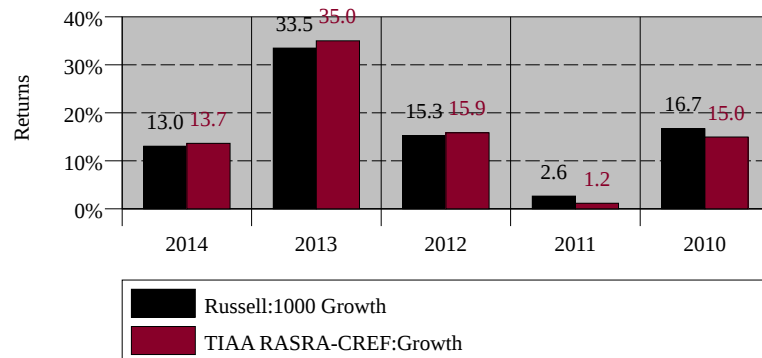
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Scatter Chart  
for 3 Years Ended December 31, 2014

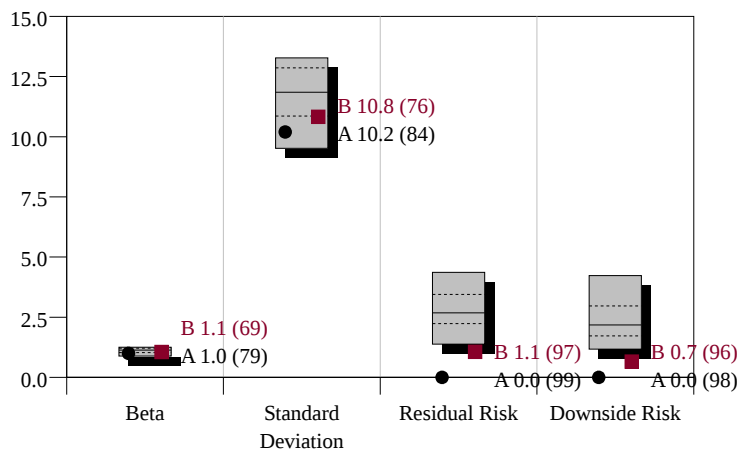


Returns for Various Periods

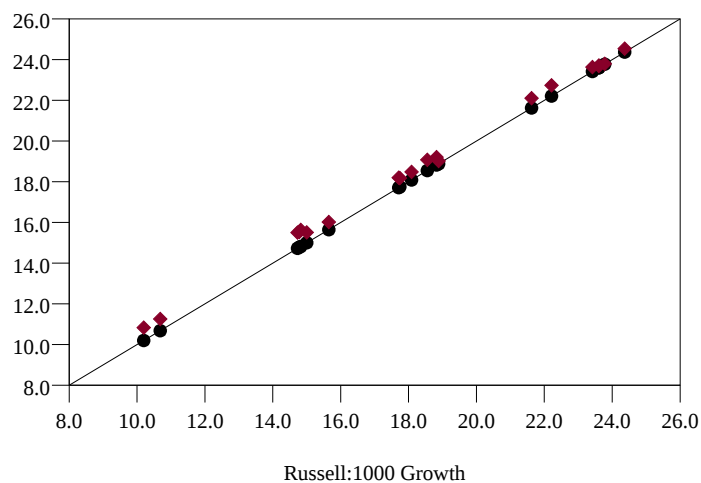
|                               | Year to Date      | Last Year         | Last 3 Years      | Last 5 Years      |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>TIAA RASRA-CREF:Growth</b> | <b>13.66 (18)</b> | <b>13.66 (18)</b> | <b>21.15 (25)</b> | <b>15.65 (26)</b> |
| Russell:1000 Growth           | 13.05 (21)        | 13.05 (21)        | 20.26 (34)        | 15.81 (24)        |



Risk Statistics for 3 Years

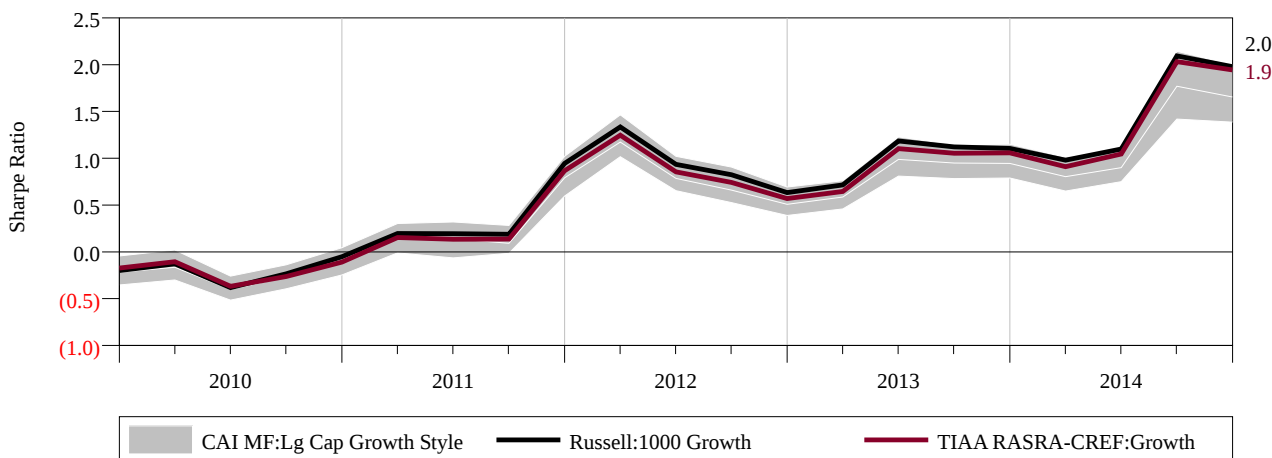


Rolling 12 Quarter Standard Deviation Comparison Chart



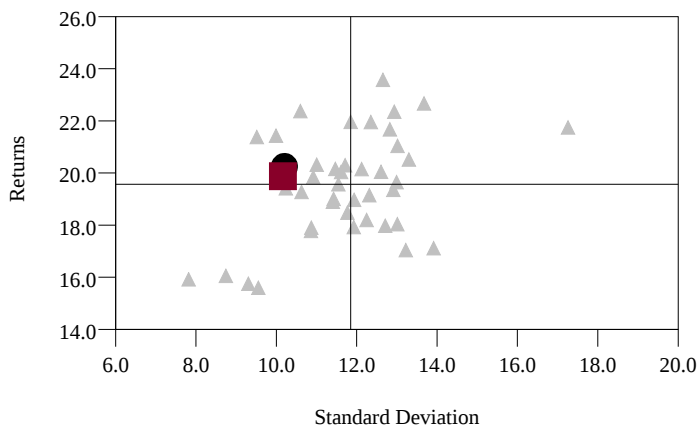
Risk Adjusted Statistics for 3 Years

|                               | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio   |
|-------------------------------|--------------------|------------------|-------------------|--------------------|-----------------|
| <b>TIAA RASRA-CREF:Growth</b> | <b>(0.26) (15)</b> | <b>1.95 (11)</b> | <b>19.94 (15)</b> | <b>(0.25) (19)</b> | <b>1.35 (8)</b> |
| Russell:1000 Growth           | 0.00 (15)          | 1.98 (10)        | 20.19 (14)        | 0.00 (15)          | --              |

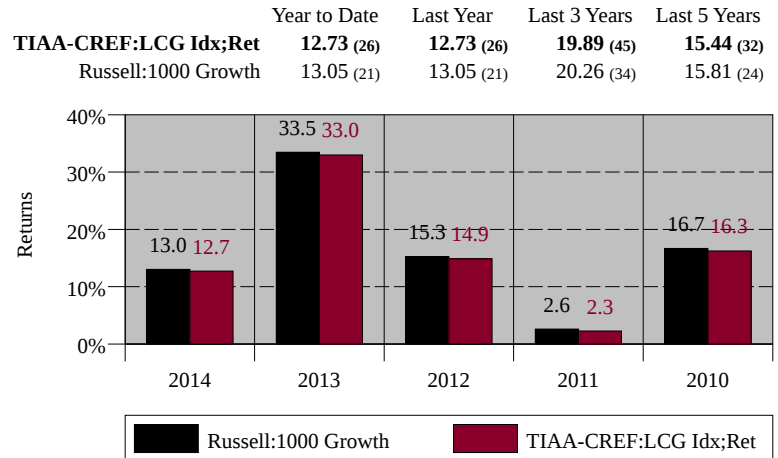


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

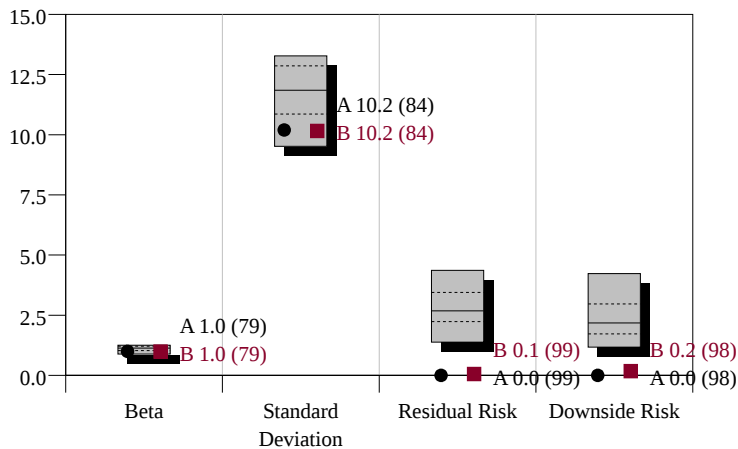
Scatter Chart  
for 3 Years Ended December 31, 2014



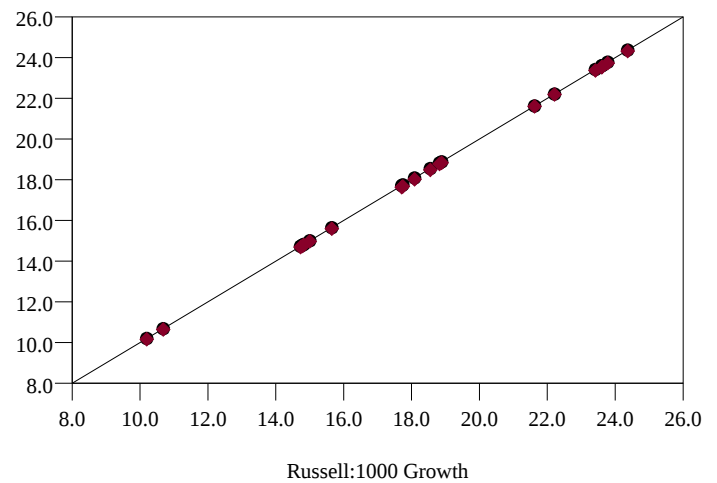
Returns for Various Periods



Risk Statistics for 3 Years



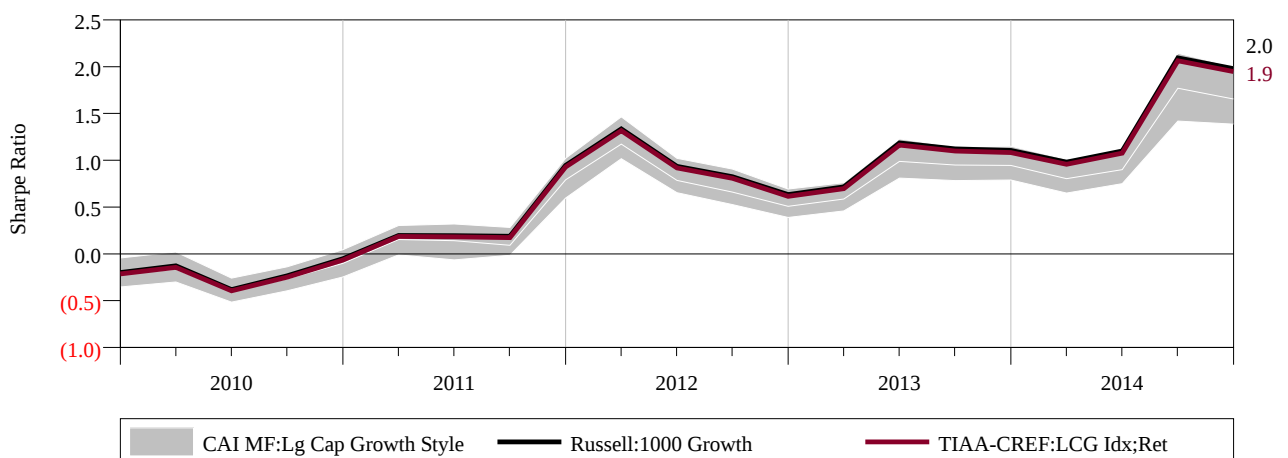
Rolling 12 Quarter Standard Deviation Comparison Chart



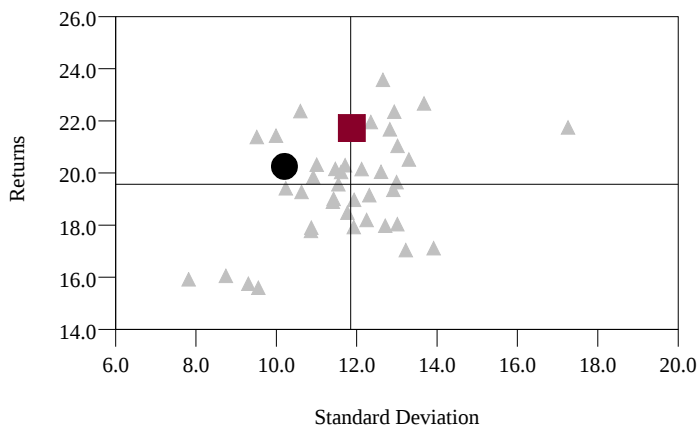
Risk Adjusted Statistics for 3 Years

|                              | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio   | Sortino Ratio       |
|------------------------------|--------------------|------------------|-------------------|---------------------|---------------------|
| <b>TIAA-CREF:LCG Idx;Ret</b> | <b>(0.26) (15)</b> | <b>1.95 (11)</b> | <b>19.89 (15)</b> | <b>(4.60) (100)</b> | <b>(2.10) (100)</b> |
| Russell:1000 Growth          | 0.00 (15)          | 1.98 (10)        | 20.19 (14)        | 0.00 (15)           | --                  |

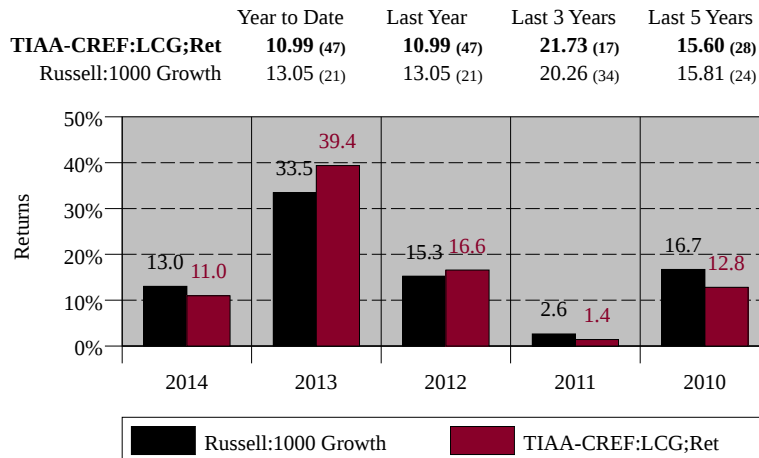
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



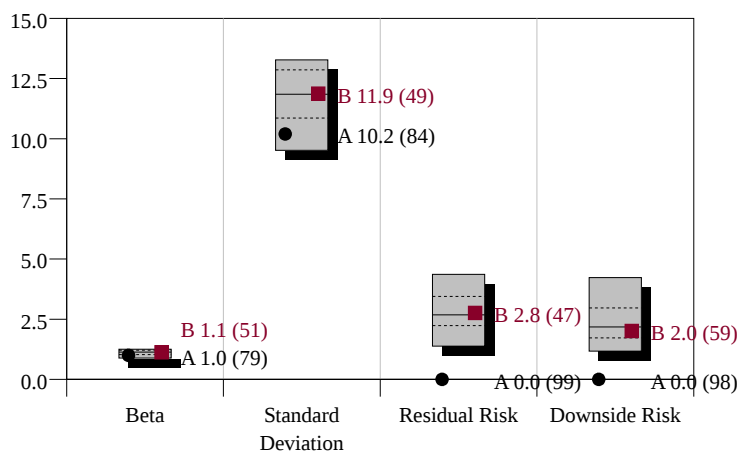
Scatter Chart  
for 3 Years Ended December 31, 2014



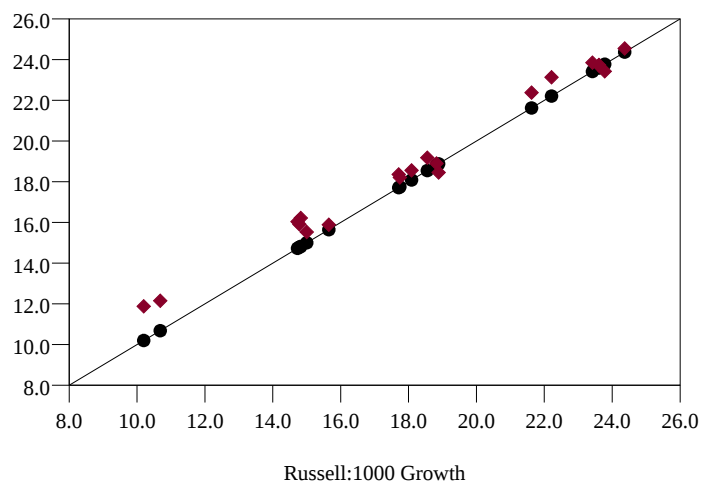
Returns for Various Periods



Risk Statistics for 3 Years

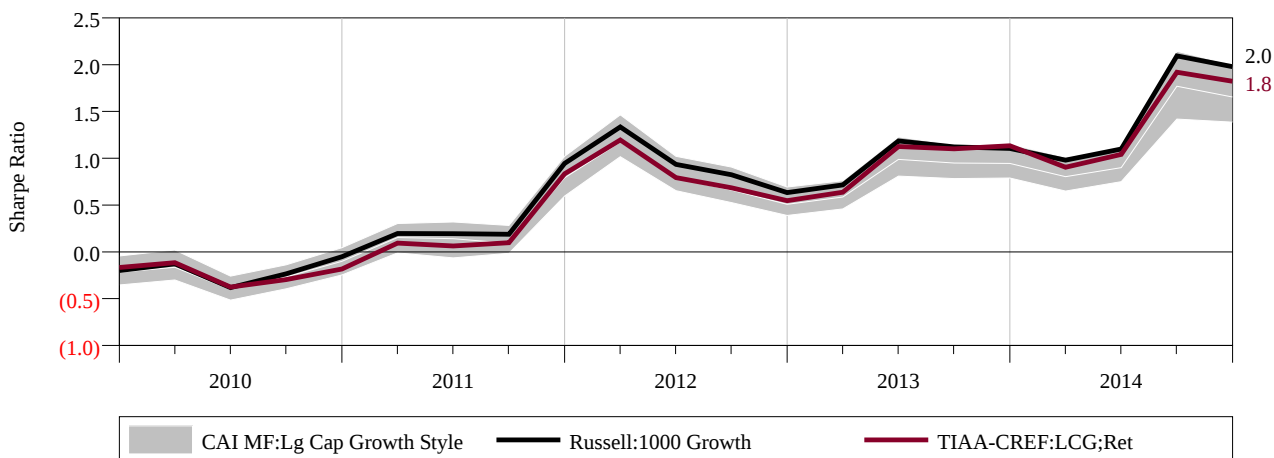


Rolling 12 Quarter Standard Deviation Comparison Chart



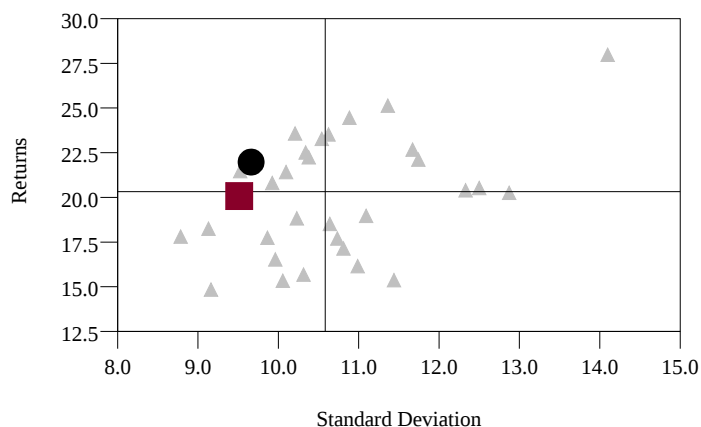
Risk Adjusted Statistics for 3 Years

|                          | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:LCG;Ret</b> | <b>(1.10)</b> (27) | <b>1.82</b> (22) | <b>19.13</b> (23) | <b>(0.40)</b> (26) | <b>0.73</b> (19) |
| Russell:1000 Growth      | 0.00 (15)          | 1.98 (10)        | 20.19 (14)        | 0.00 (15)          | --               |

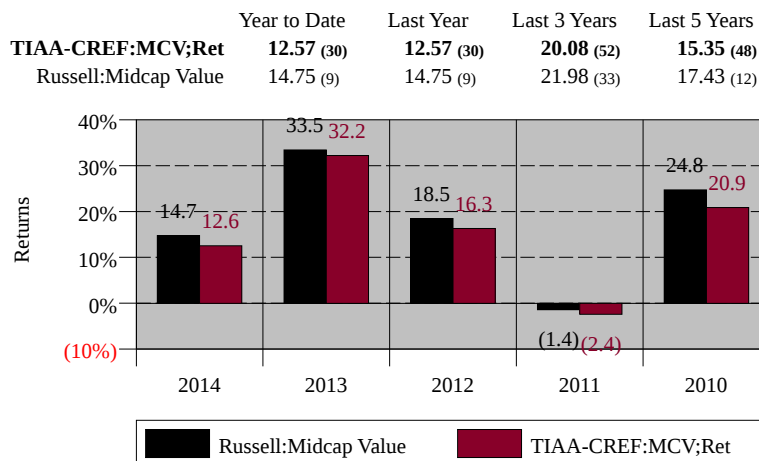


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

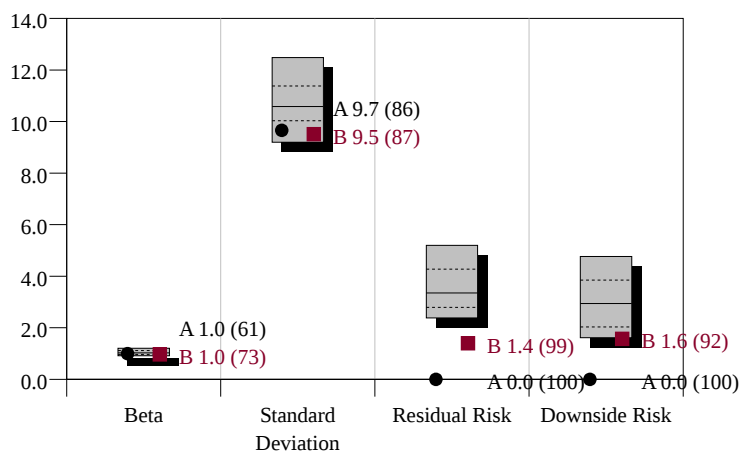
Scatter Chart  
for 3 Years Ended December 31, 2014



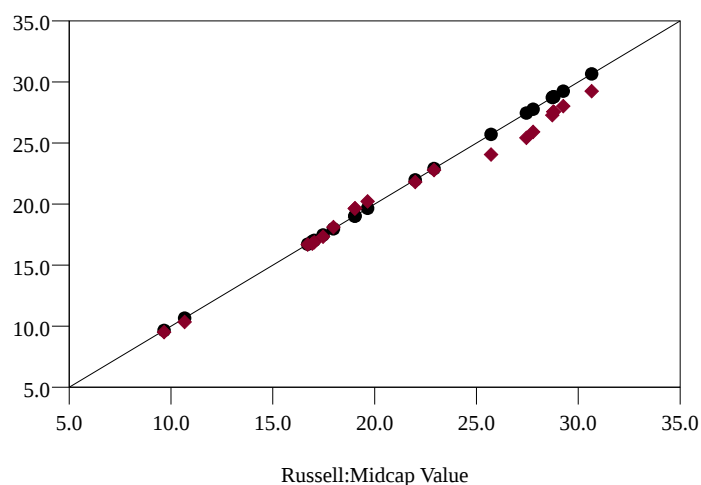
Returns for Various Periods



Risk Statistics for 3 Years

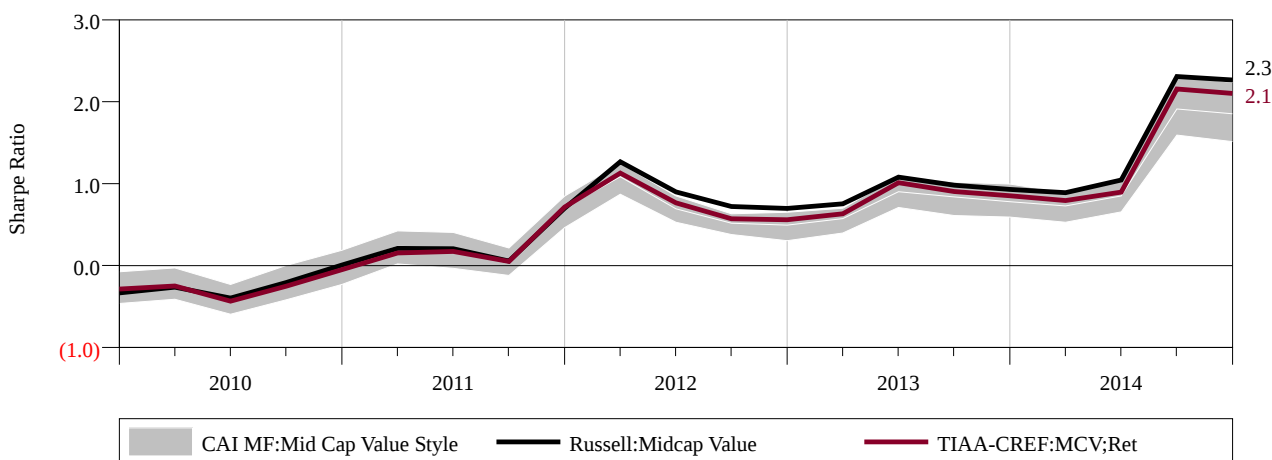


Rolling 12 Quarter Standard Deviation Comparison Chart



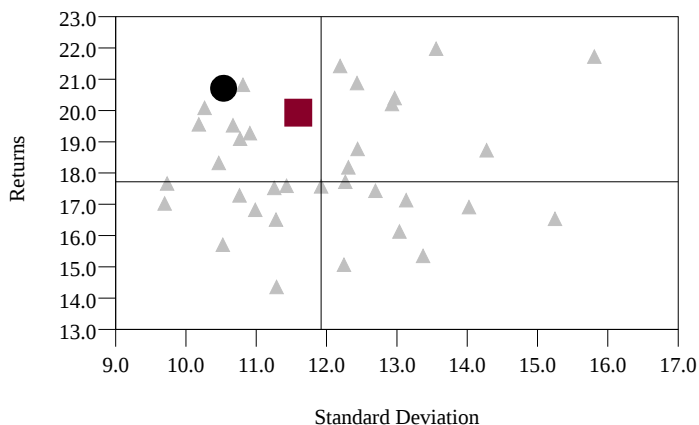
Risk Adjusted Statistics for 3 Years

|                             | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|-----------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA-CREF:MCV;Ret</b>    | <b>(1.11) (42)</b> | <b>2.10 (31)</b> | <b>20.54 (41)</b> | <b>(0.80) (57)</b> | <b>(1.21) (84)</b> |
| <b>Russell:Midcap Value</b> | <b>0.00 (19)</b>   | <b>2.27 (5)</b>  | <b>21.90 (20)</b> | <b>0.00 (19)</b>   | <b>--</b>          |



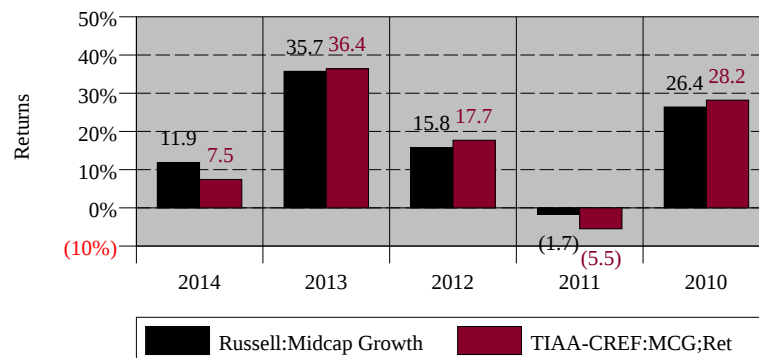
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

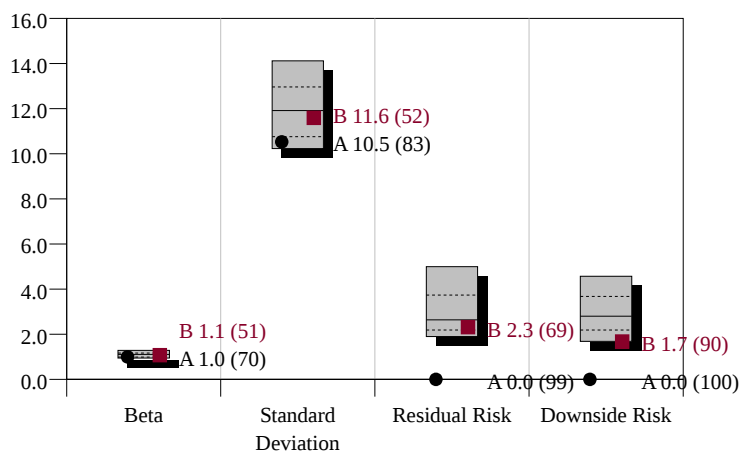


Returns for Various Periods

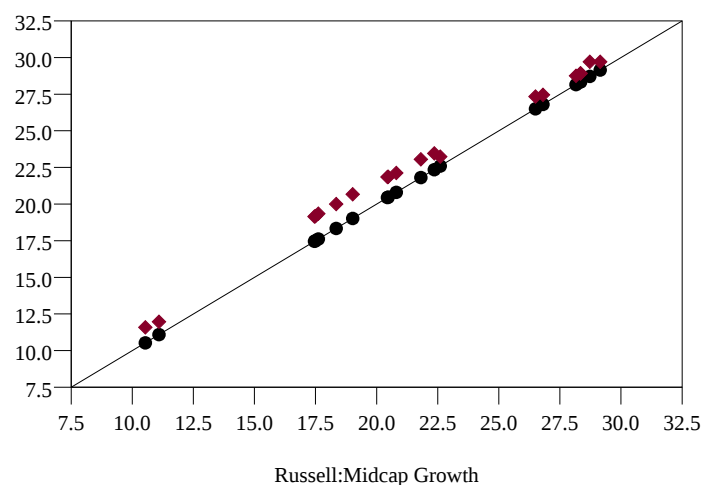
|                          | Year to Date     | Last Year        | Last 3 Years      | Last 5 Years      |
|--------------------------|------------------|------------------|-------------------|-------------------|
| <b>TIAA-CREF:MCG;Ret</b> | <b>7.45 (53)</b> | <b>7.45 (53)</b> | <b>19.93 (26)</b> | <b>15.90 (30)</b> |
| Russell:Midcap Growth    | 11.90 (5)        | 11.90 (5)        | 20.71 (17)        | 16.94 (15)        |



Risk Statistics for 3 Years



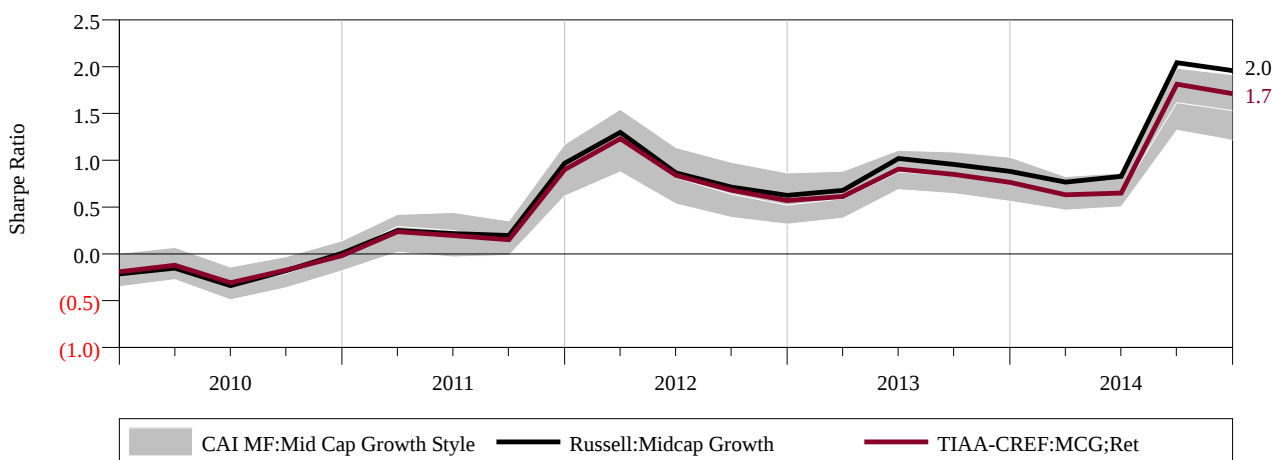
Rolling 12 Quarter Standard Deviation Comparison Chart



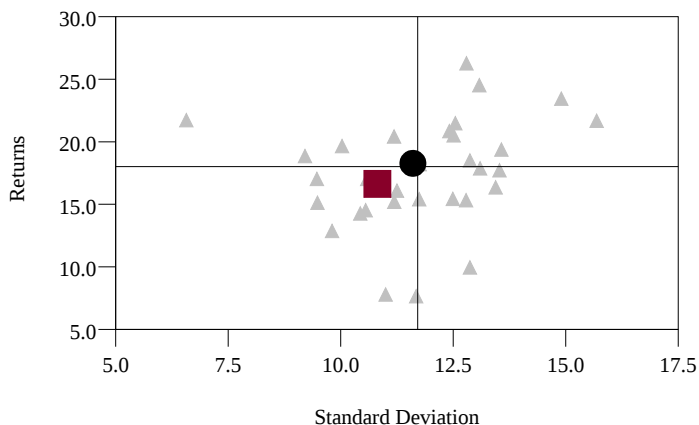
Risk Adjusted Statistics for 3 Years

|                          | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|--------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA-CREF:MCG;Ret</b> | <b>(2.11) (33)</b> | <b>1.71 (32)</b> | <b>18.42 (33)</b> | <b>(0.91) (42)</b> | <b>(0.47) (27)</b> |
| Russell:Midcap Growth    | 0.00 (10)          | 1.96 (3)         | 20.64 (10)        | 0.00 (10)          | --                 |

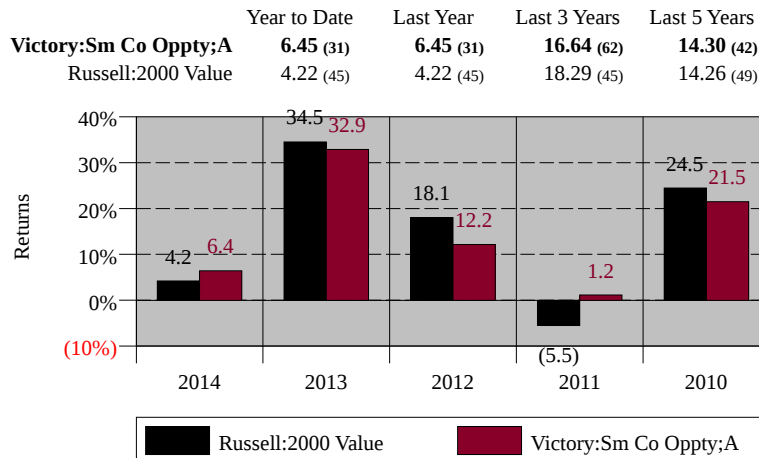
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



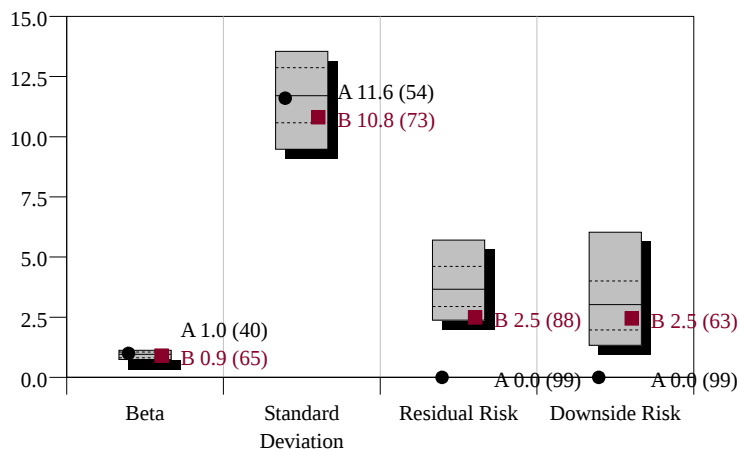
Scatter Chart  
for 3 Years Ended December 31, 2014



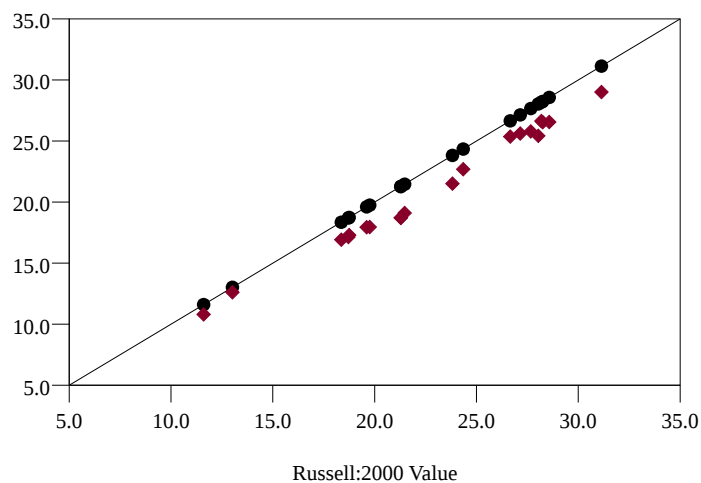
Returns for Various Periods



Risk Statistics for 3 Years



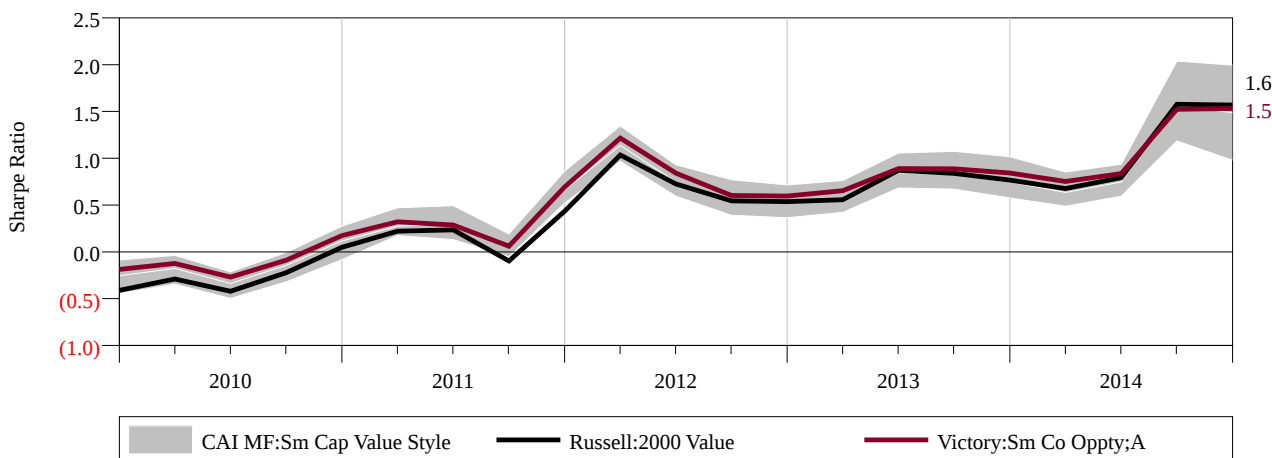
Rolling 12 Quarter Standard Deviation Comparison Chart



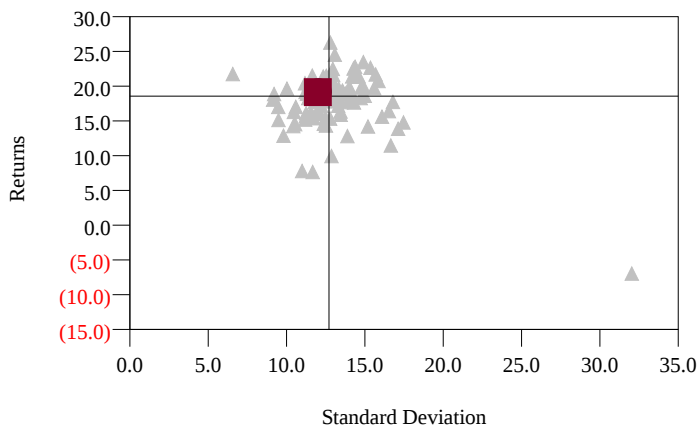
Risk Adjusted Statistics for 3 Years

|                              | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio      |
|------------------------------|------------------|------------------|-------------------|-------------------|--------------------|
| <b>Victory:Sm Co Oppty;A</b> | <b>0.10 (50)</b> | <b>1.53 (49)</b> | <b>18.27 (49)</b> | <b>0.04 (49)</b>  | <b>(0.67) (65)</b> |
| Russell:2000 Value           | 0.00 (50)        | 1.57 (43)        | 18.21 (50)        | 0.00 (49)         | --                 |

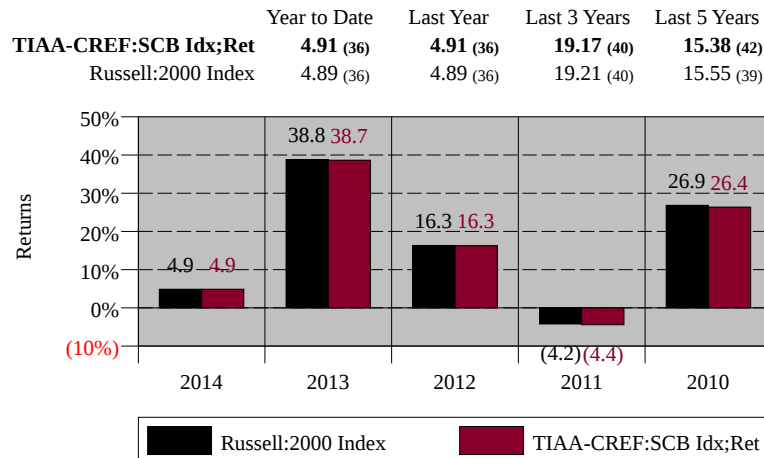
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



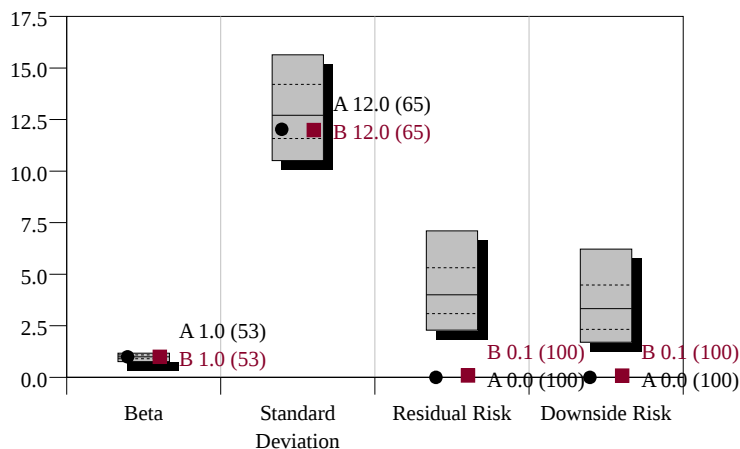
Scatter Chart  
for 3 Years Ended December 31, 2014



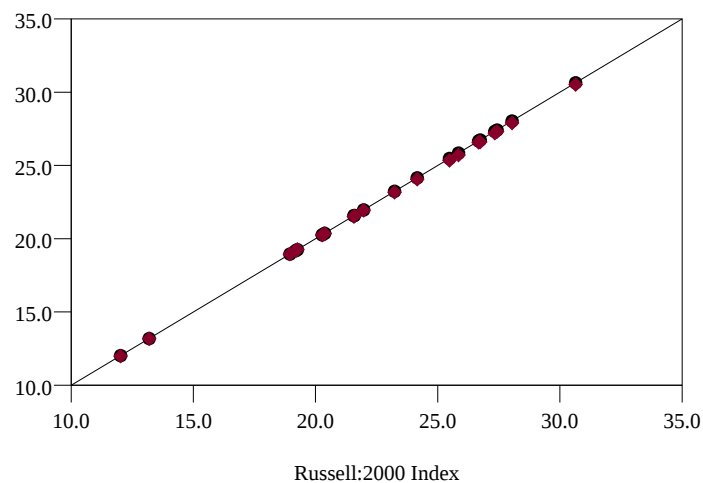
Returns for Various Periods



Risk Statistics for 3 Years

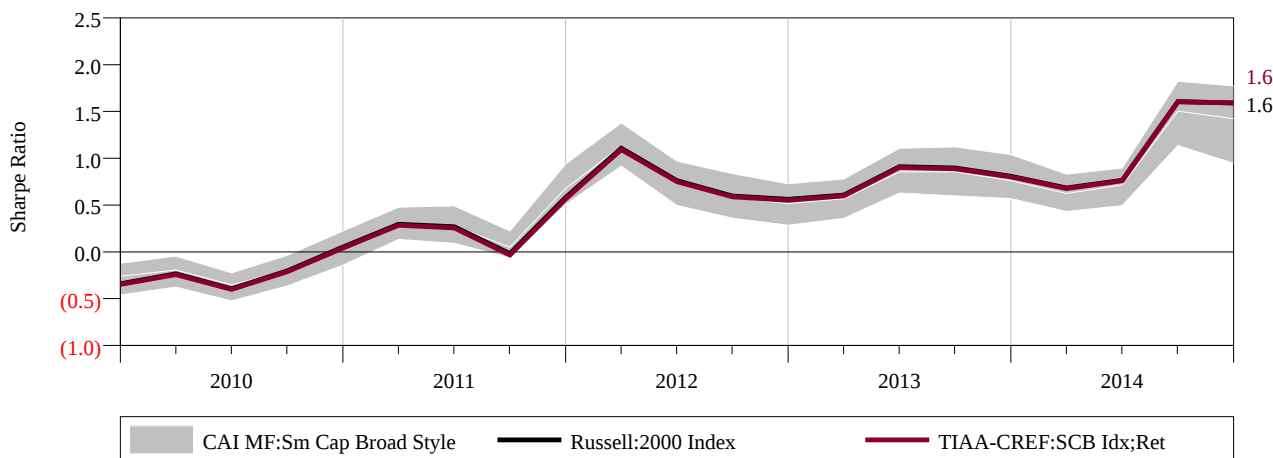


Rolling 12 Quarter Standard Deviation Comparison Chart

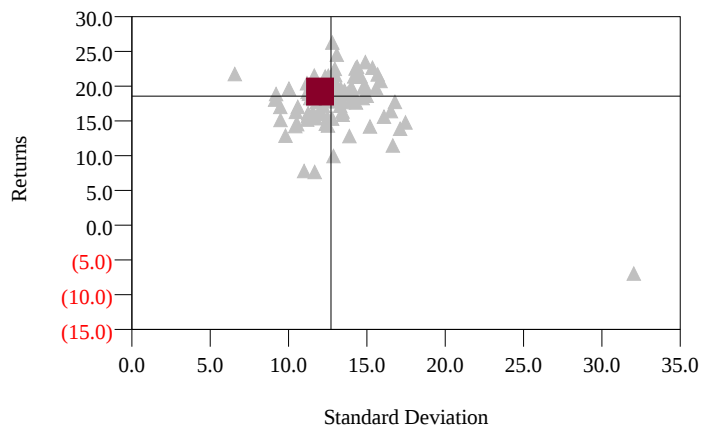


Risk Adjusted Statistics for 3 Years

|                              | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio      |
|------------------------------|------------------|------------------|-------------------|-------------------|--------------------|
| <b>TIAA-CREF:SCB Idx;Ret</b> | <b>0.00 (44)</b> | <b>1.59 (28)</b> | <b>19.14 (43)</b> | <b>0.04 (43)</b>  | <b>(0.50) (63)</b> |
| Russell:2000 Index           | 0.00 (44)        | 1.59 (28)        | 19.14 (43)        | 0.00 (44)         | --                 |

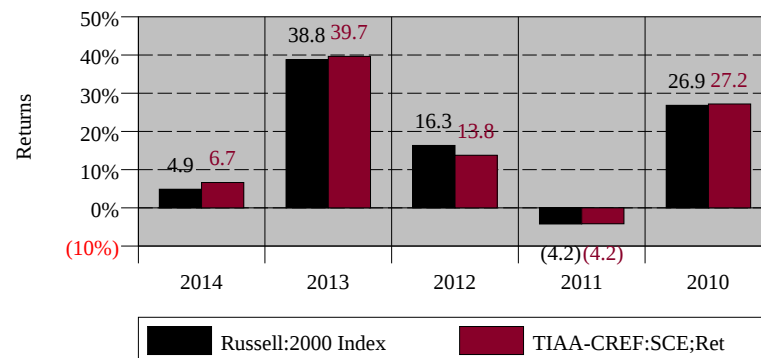


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

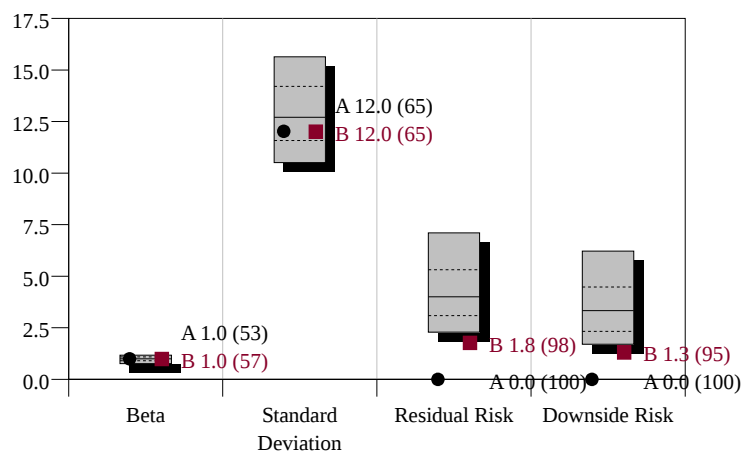
Scatter Chart  
for 3 Years Ended December 31, 2014

Returns for Various Periods

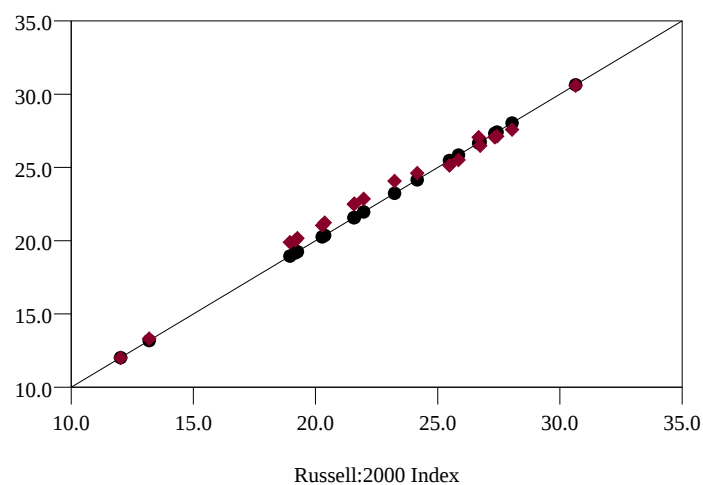
|                          | Year to Date     | Last Year        | Last 3 Years      | Last 5 Years      |
|--------------------------|------------------|------------------|-------------------|-------------------|
| <b>TIAA-CREF:SCE;Ret</b> | <b>6.68 (22)</b> | <b>6.68 (22)</b> | <b>19.24 (40)</b> | <b>15.63 (38)</b> |
| Russell:2000 Index       | 4.89 (36)        | 4.89 (36)        | 19.21 (40)        | 15.55 (39)        |



Risk Statistics for 3 Years

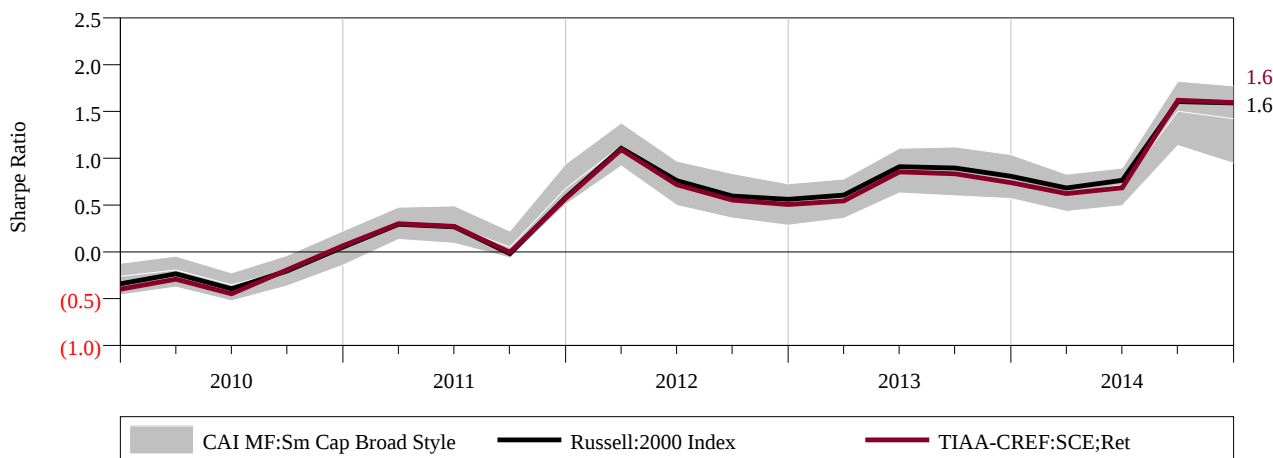


Rolling 12 Quarter Standard Deviation Comparison Chart

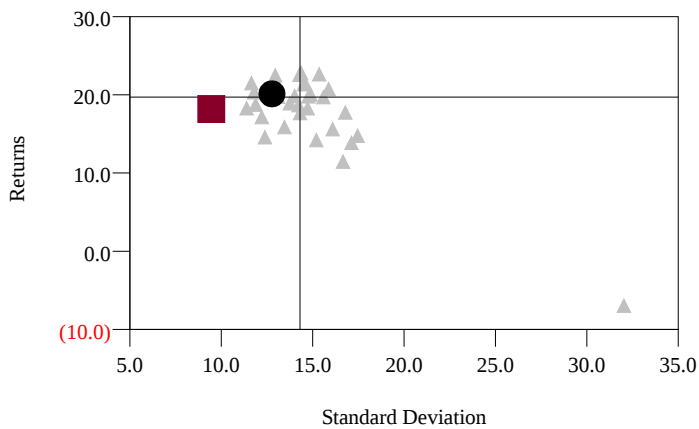


Risk Adjusted Statistics for 3 Years

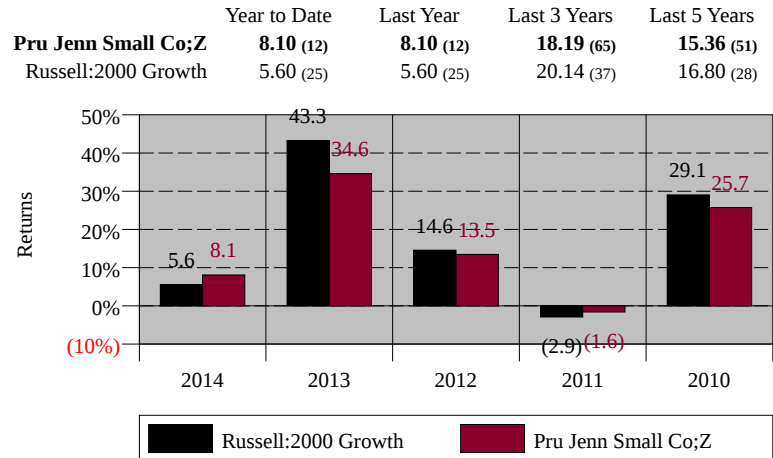
|                          | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|--------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>TIAA-CREF:SCE;Ret</b> | <b>0.24 (41)</b> | <b>1.60 (28)</b> | <b>19.40 (39)</b> | <b>0.14 (37)</b>  | <b>0.02 (40)</b> |
| Russell:2000 Index       | 0.00 (44)        | 1.59 (28)        | 19.14 (43)        | 0.00 (44)         | --               |



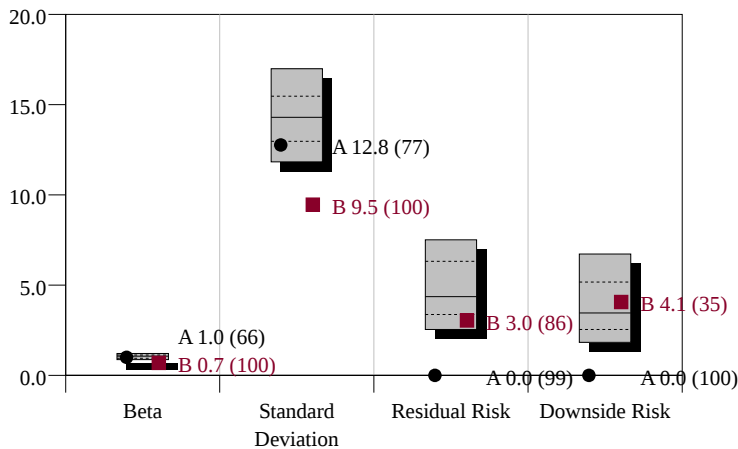
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


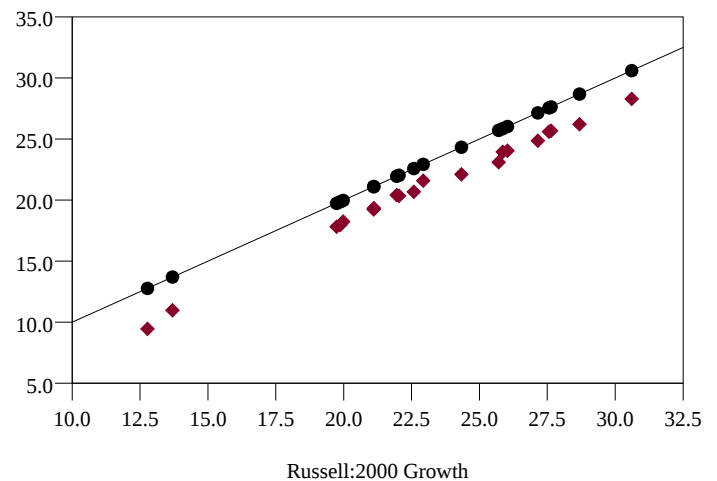
Returns for Various Periods



Risk Statistics for 3 Years

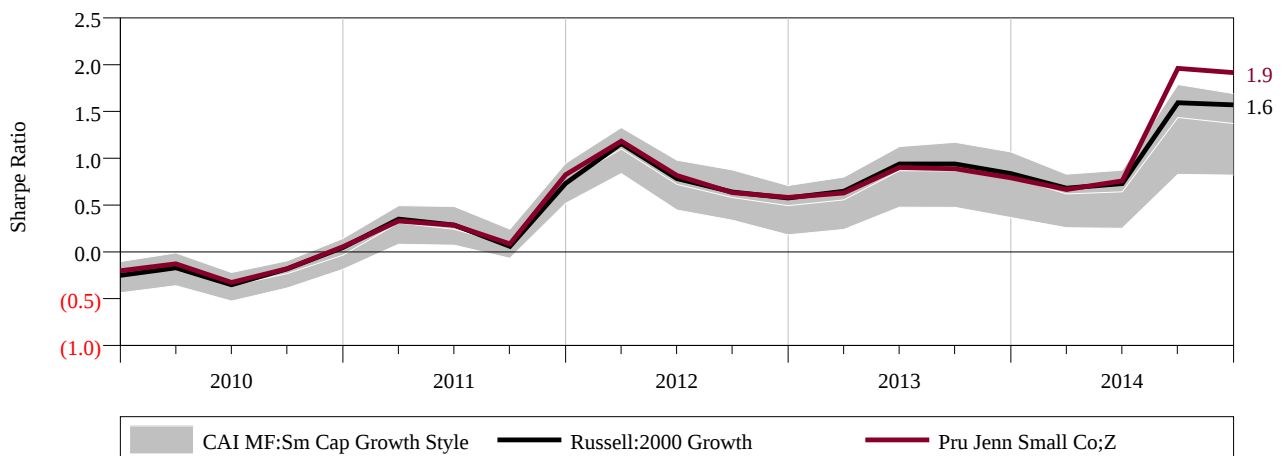


Rolling 12 Quarter Standard Deviation Comparison Chart



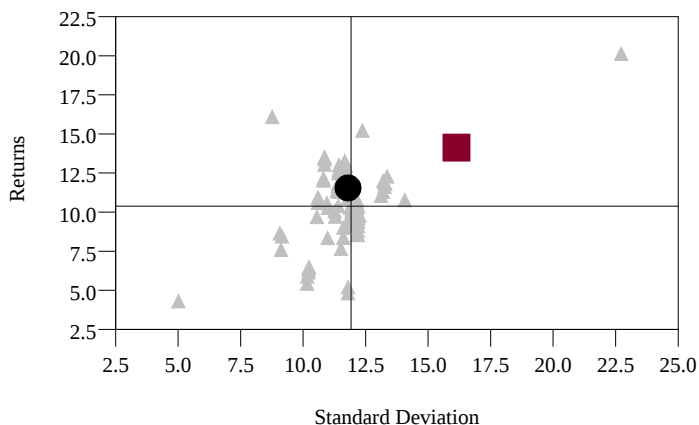
Risk Adjusted Statistics for 3 Years

|                            |                 |                 |                  |                   |                    |
|----------------------------|-----------------|-----------------|------------------|-------------------|--------------------|
|                            | Alpha           | Sharpe Ratio    | Treynor Ratio    | Information Ratio | Sortino Ratio      |
| <b>Pru Jenn Small Co;Z</b> | <b>3.82 (4)</b> | <b>1.92 (2)</b> | <b>25.84 (1)</b> | <b>1.25 (1)</b>   | <b>(0.48) (65)</b> |
| Russell:2000 Growth        | 0.00 (37)       | 1.57 (30)       | 20.07 (35)       | 0.00 (37)         | --                 |



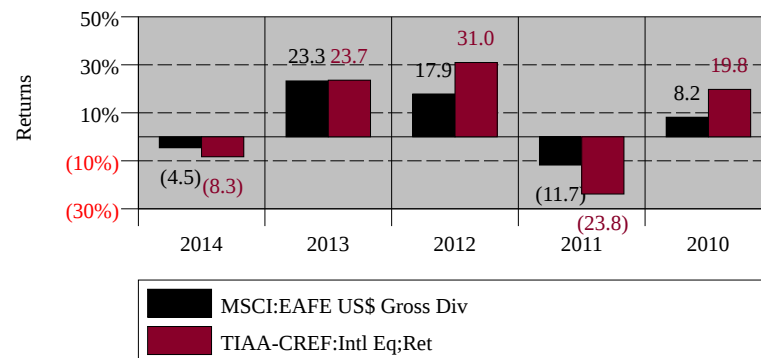
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

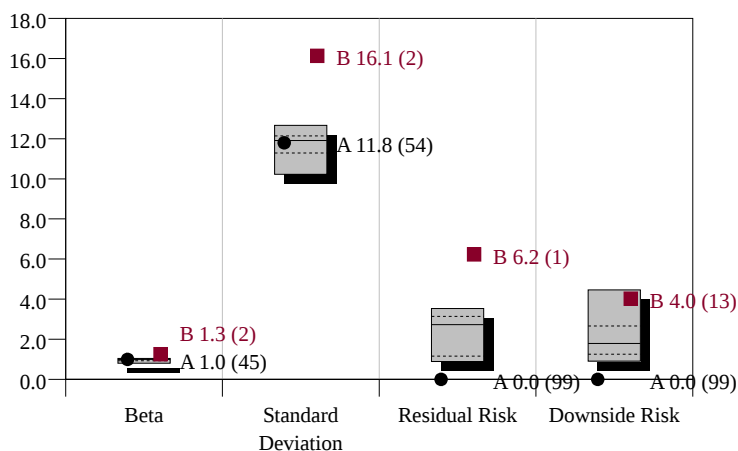


Returns for Various Periods

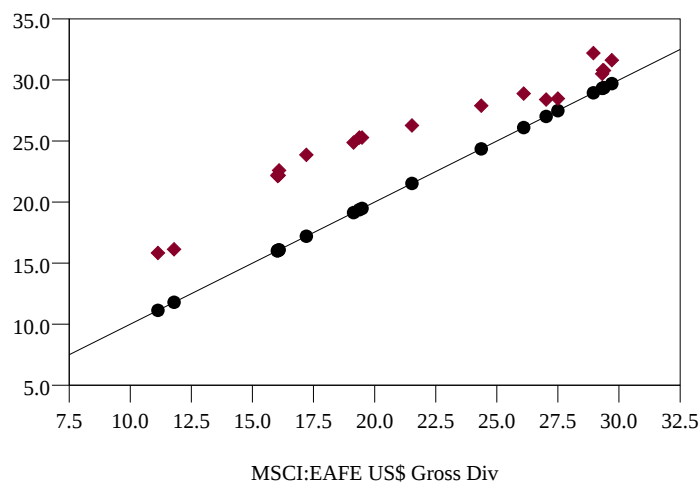
|                              | Year to Date       | Last Year          | Last 3 Years     | Last 5 Years     |
|------------------------------|--------------------|--------------------|------------------|------------------|
| <b>TIAA-CREF:Intl Eq;Ret</b> | <b>(8.25)</b> (97) | <b>(8.25)</b> (97) | <b>14.13</b> (4) | <b>6.30</b> (10) |
| MSCI:EAFE US\$ Gross Div     | <b>(4.48)</b> (26) | <b>(4.48)</b> (26) | 11.56 (27)       | 5.81 (20)        |



Risk Statistics for 3 Years



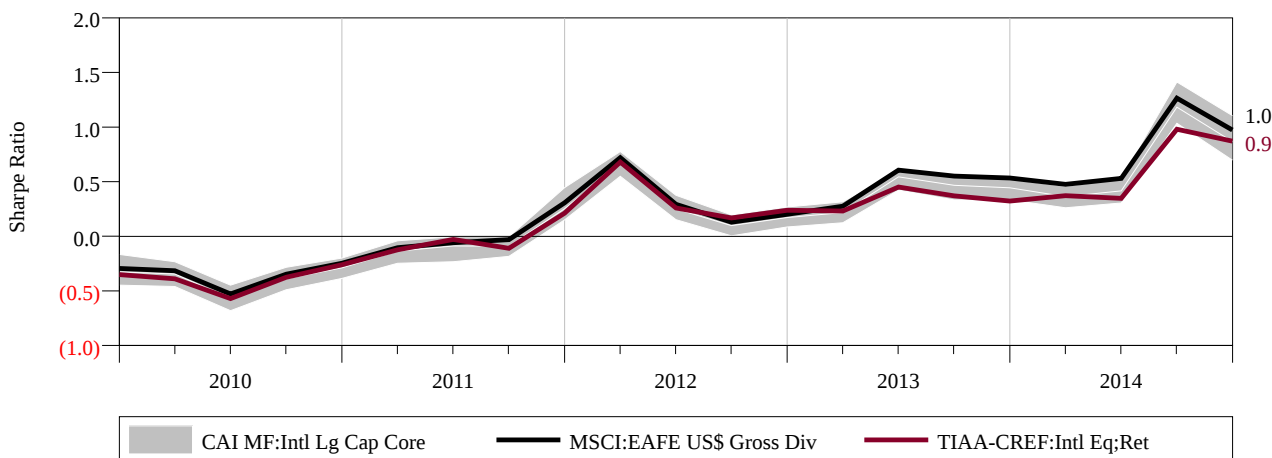
Rolling 12 Quarter Standard Deviation Comparison Chart



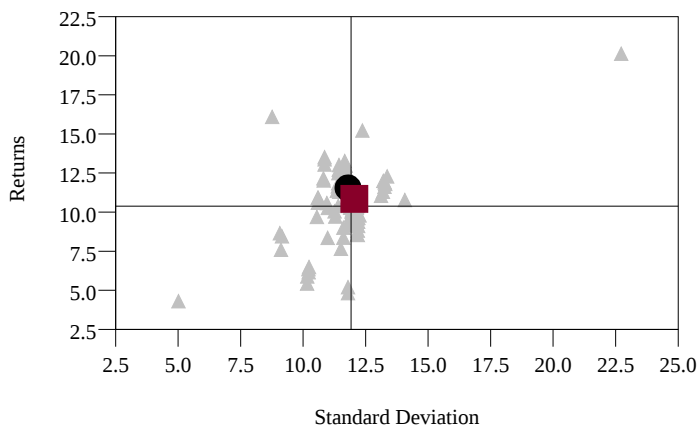
Risk Adjusted Statistics for 3 Years

|                              | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Intl Eq;Ret</b> | <b>(0.13)</b> (30) | <b>0.87</b> (48) | <b>11.15</b> (32) | <b>(0.02)</b> (29) | <b>0.64</b> (12) |
| MSCI:EAFE US\$ Gross Div     | 0.00 (29)          | 0.97 (25)        | 11.49 (29)        | 0.00 (29)          | --               |

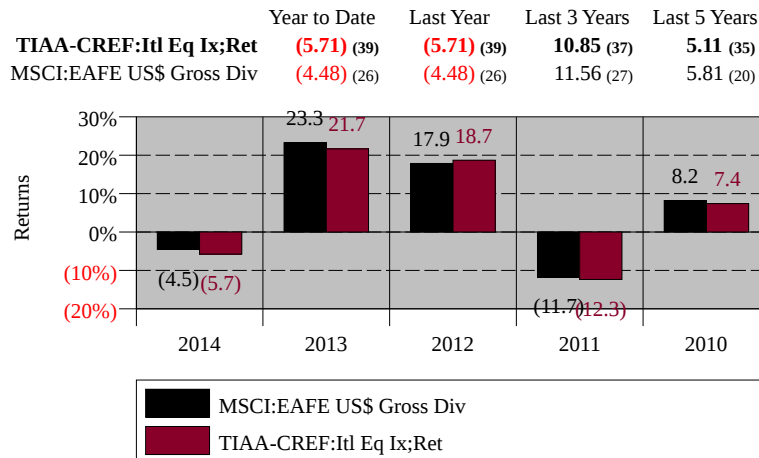
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



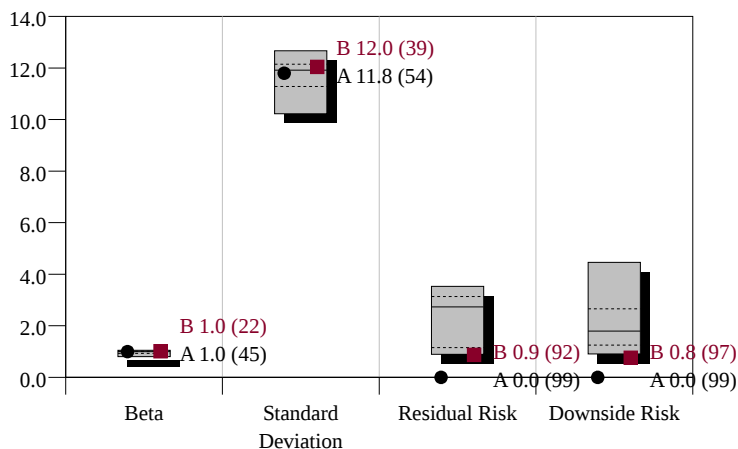
Scatter Chart  
for 3 Years Ended December 31, 2014



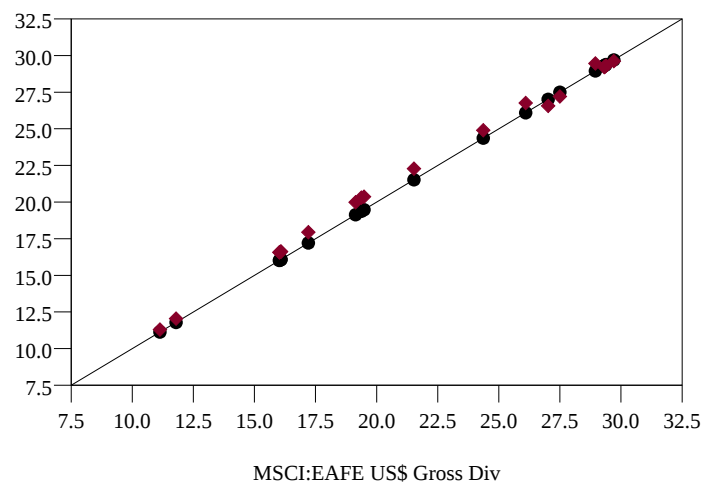
Returns for Various Periods



Risk Statistics for 3 Years



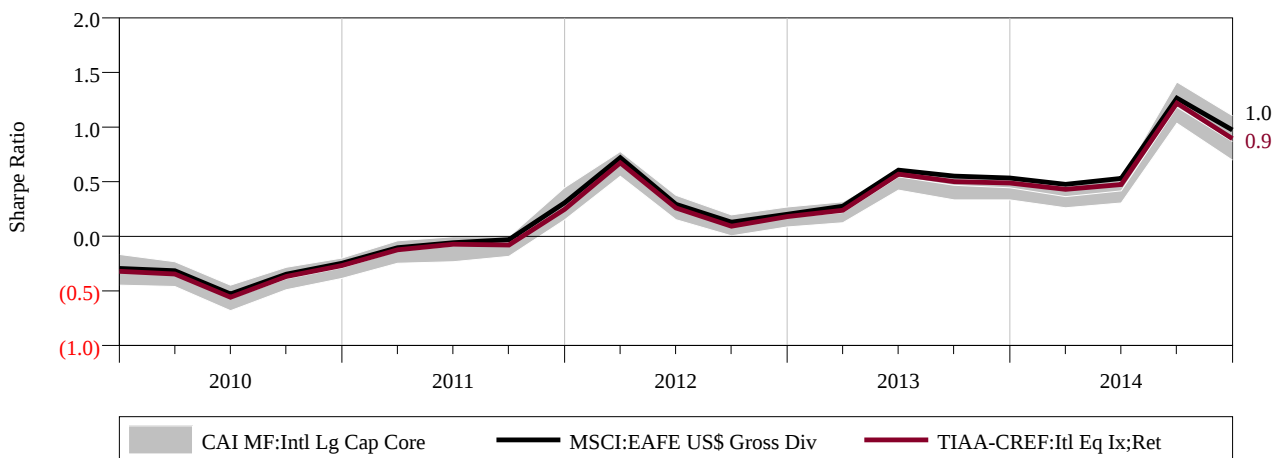
Rolling 12 Quarter Standard Deviation Comparison Chart



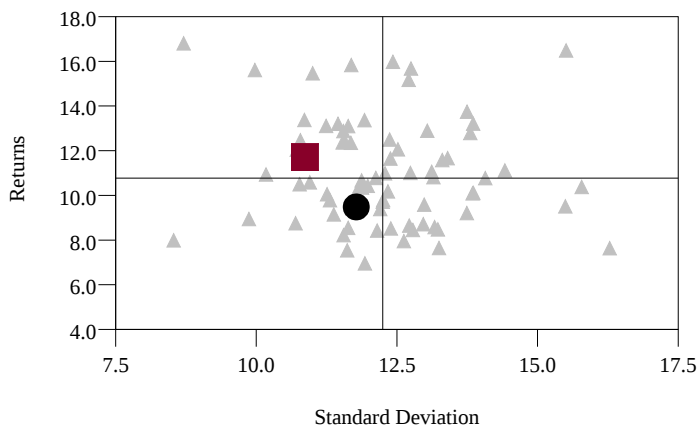
Risk Adjusted Statistics for 3 Years

|                                 | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio      |
|---------------------------------|--------------------|------------------|-------------------|--------------------|--------------------|
| <b>TIAA-CREF:Itl Eq Ix;Ret</b>  | <b>(0.84)</b> (43) | <b>0.89</b> (37) | <b>10.58</b> (42) | <b>(0.96)</b> (70) | <b>(0.93)</b> (58) |
| <b>MSCI:EAFE US\$ Gross Div</b> | <b>0.00</b> (29)   | <b>0.97</b> (25) | <b>11.49</b> (29) | <b>0.00</b> (29)   | <b>--</b>          |

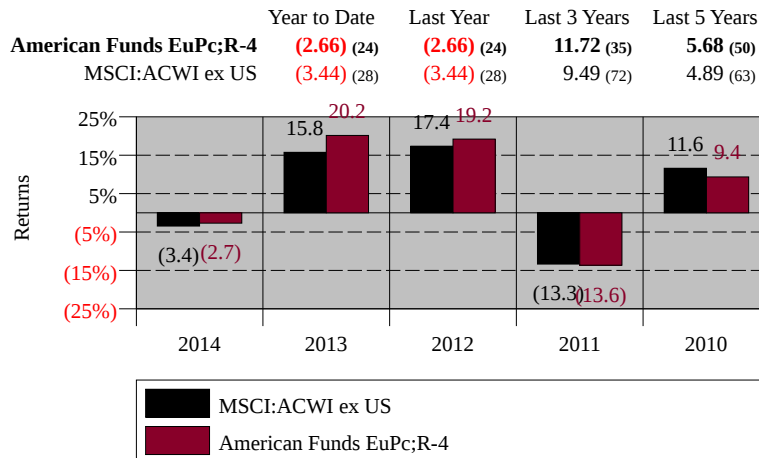
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



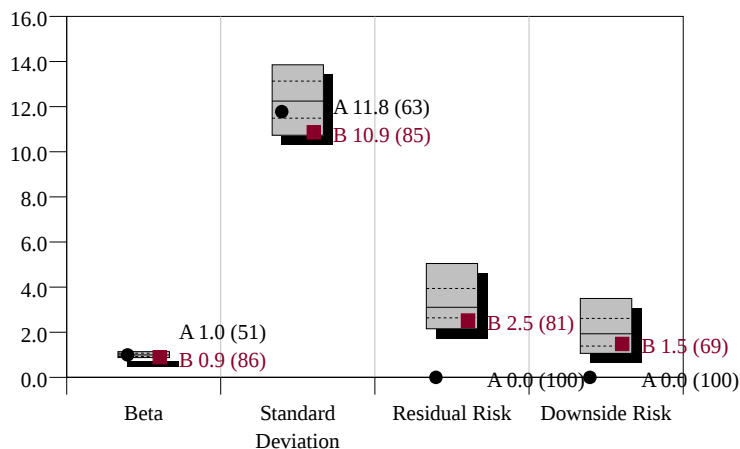
Scatter Chart  
for 3 Years Ended December 31, 2014



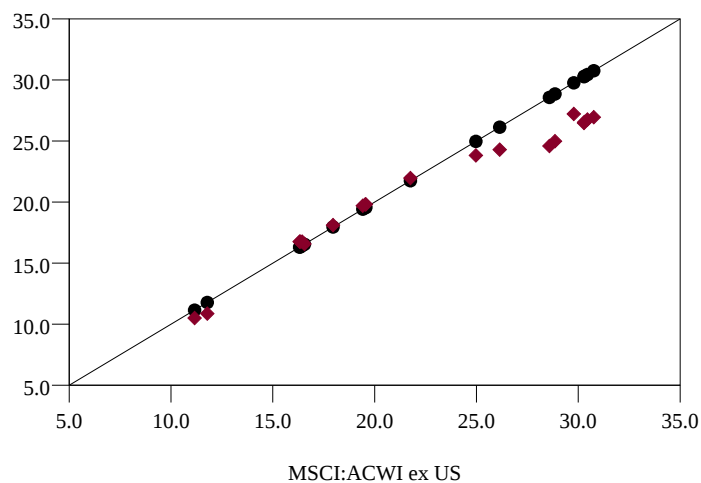
Returns for Various Periods



Risk Statistics for 3 Years

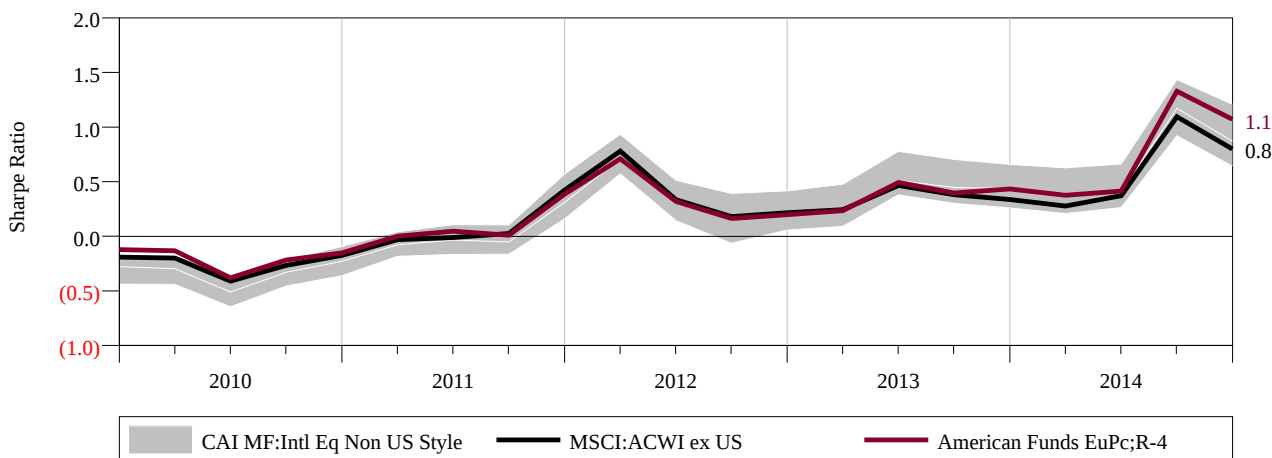


Rolling 12 Quarter Standard Deviation Comparison Chart

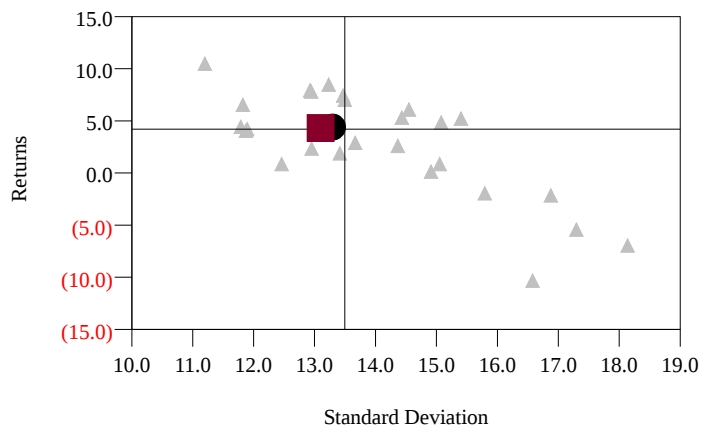


Risk Adjusted Statistics for 3 Years

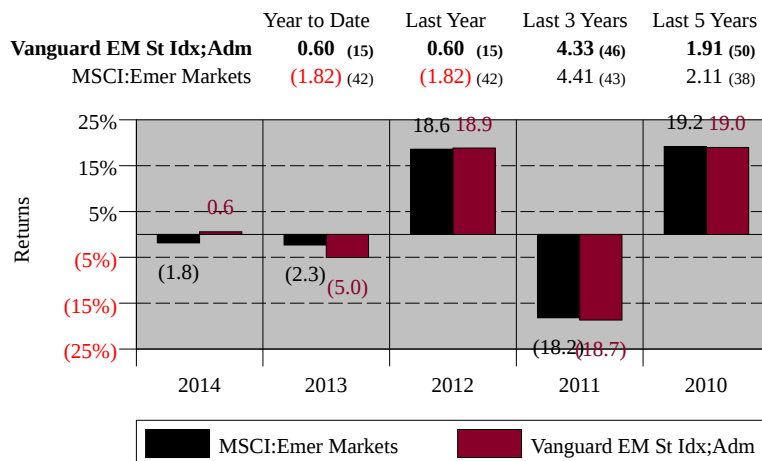
|                                | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|--------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>American Funds EuPc;R-4</b> | <b>3.00</b> (30) | <b>1.07</b> (22) | <b>12.98</b> (24) | <b>1.19</b> (23)  | <b>1.50</b> (34) |
| MSCI:ACWI ex US                | 0.00 (69)        | 0.80 (65)        | 9.41 (69)         | 0.00 (69)         | --               |



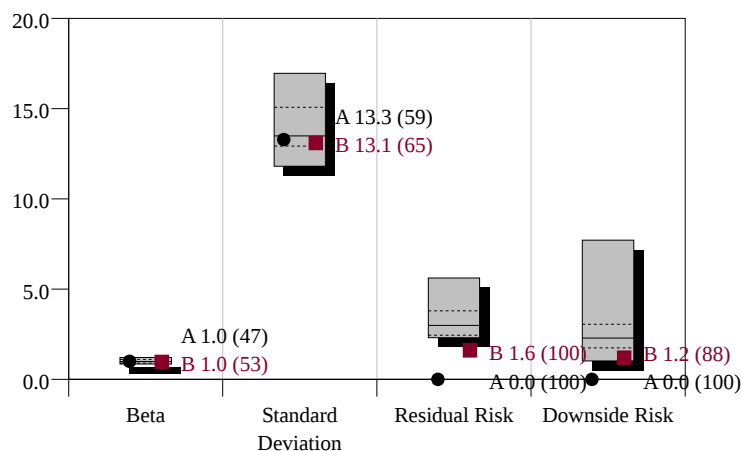
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

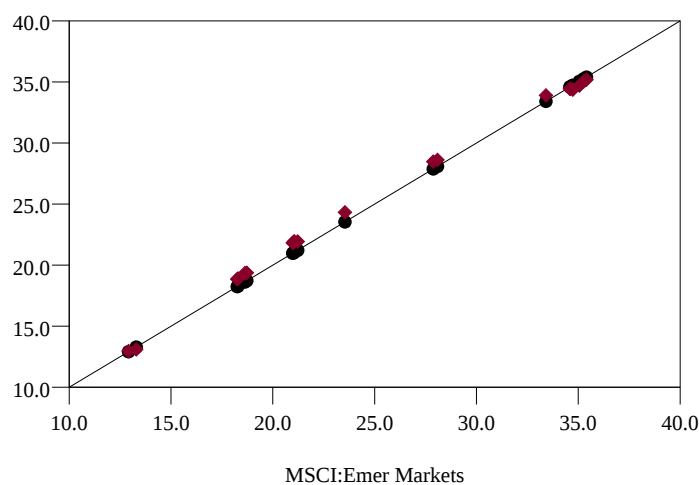
Returns for Various Periods



Risk Statistics for 3 Years



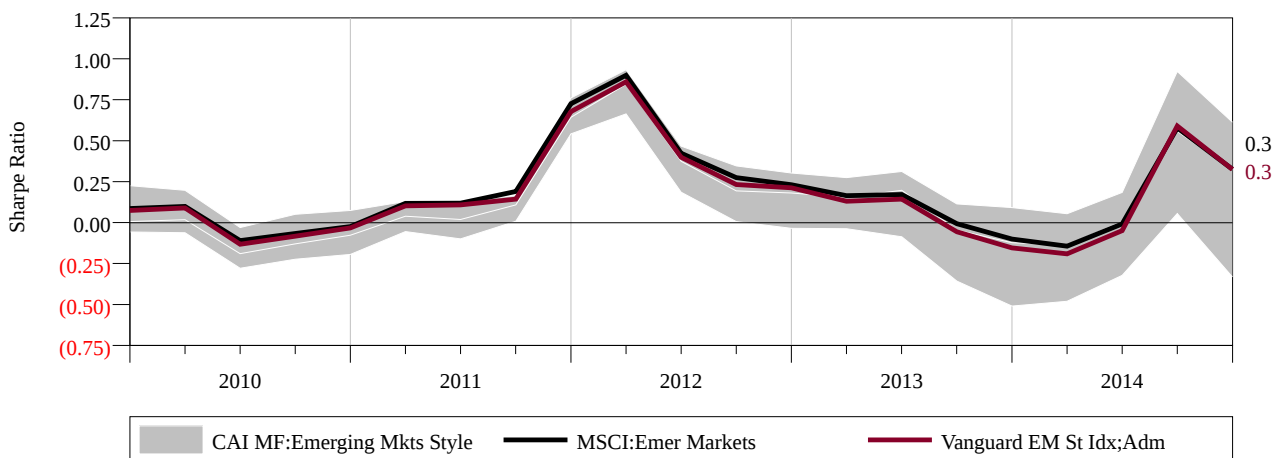
Rolling 12 Quarter Standard Deviation Comparison Chart



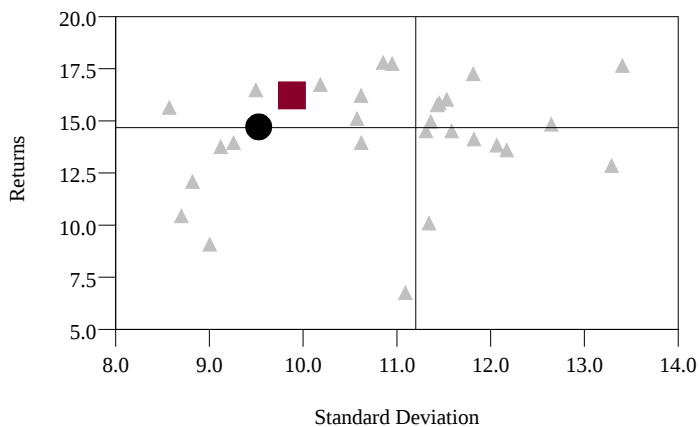
Risk Adjusted Statistics for 3 Years

|                               | Alpha            | Sharpe Ratio     | Treynor Ratio    | Information Ratio | Sortino Ratio      |
|-------------------------------|------------------|------------------|------------------|-------------------|--------------------|
| <b>Vanguard EM St Idx;Adm</b> | <b>0.01</b> (54) | <b>0.33</b> (49) | <b>4.36</b> (50) | <b>0.01</b> (54)  | <b>(0.07)</b> (46) |
| <b>MSCI:Emer Markets</b>      | <b>0.00</b> (54) | <b>0.33</b> (49) | <b>4.34</b> (51) | <b>0.00</b> (54)  | <b>--</b>          |

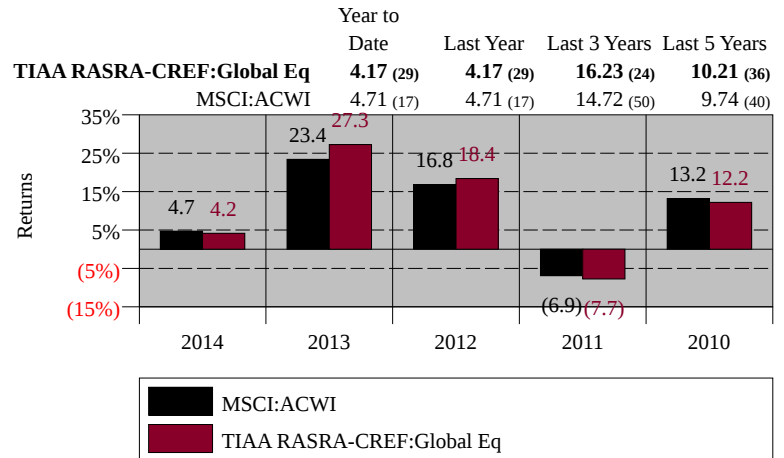
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



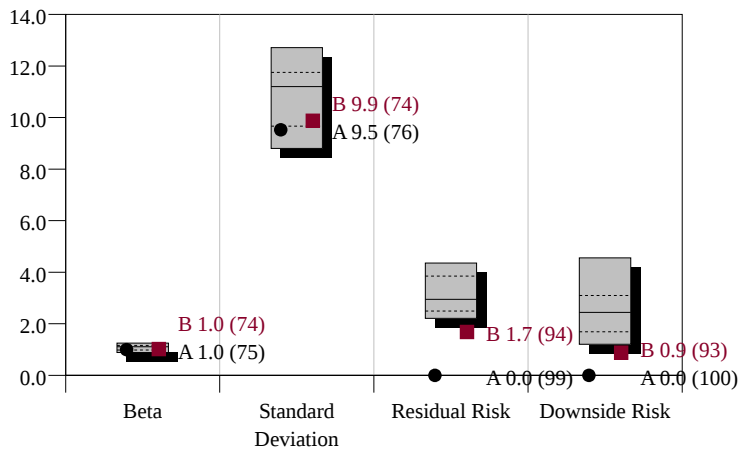
Scatter Chart  
for 3 Years Ended December 31, 2014



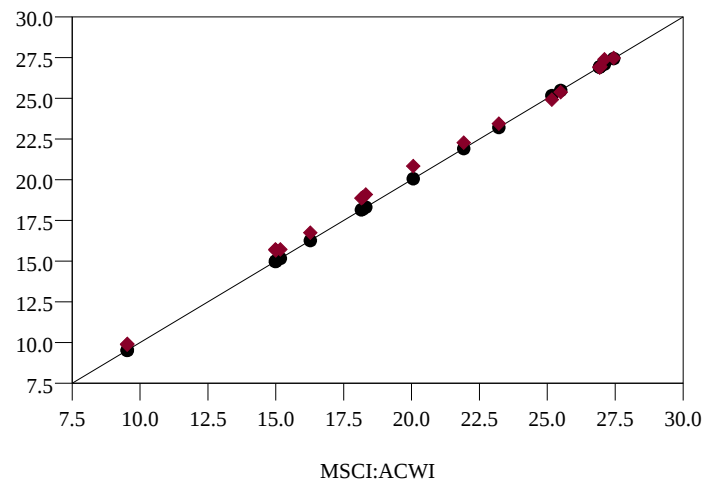
Returns for Various Periods



Risk Statistics for 3 Years



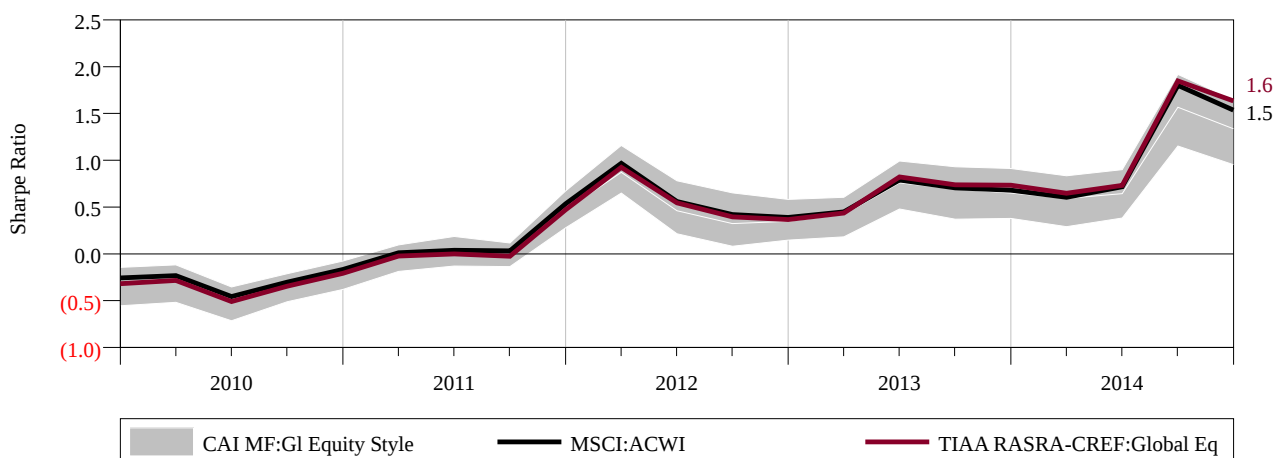
Rolling 12 Quarter Standard Deviation Comparison Chart



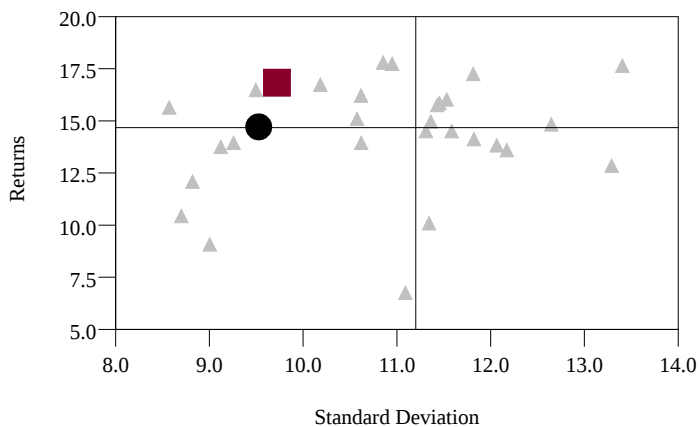
Risk Adjusted Statistics for 3 Years

|                           | Alpha     | Sharpe Ratio | Treynor Ratio | Information Ratio | Sortino Ratio |
|---------------------------|-----------|--------------|---------------|-------------------|---------------|
| TIAA RASRA-CREF:Global Eq | 1.08 (18) | 1.64 (12)    | 15.81 (18)    | 0.64 (10)         | 1.72 (13)     |
| MSCI:ACWI                 | 0.00 (29) | 1.54 (20)    | 14.64 (29)    | 0.00 (29)         | --            |

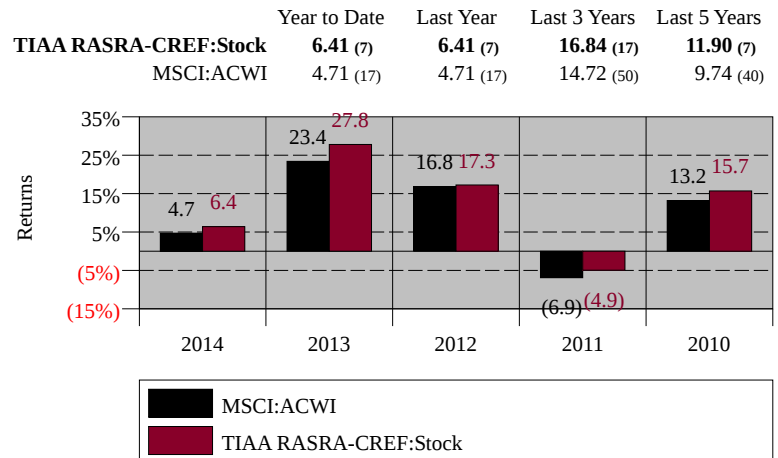
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



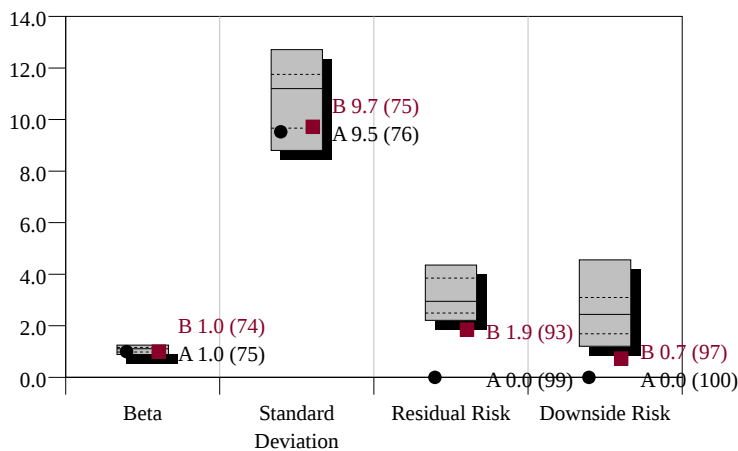
Scatter Chart  
for 3 Years Ended December 31, 2014



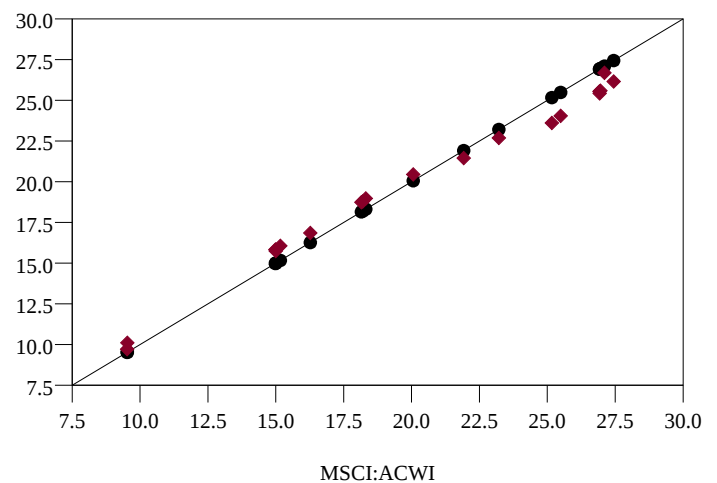
Returns for Various Periods



Risk Statistics for 3 Years

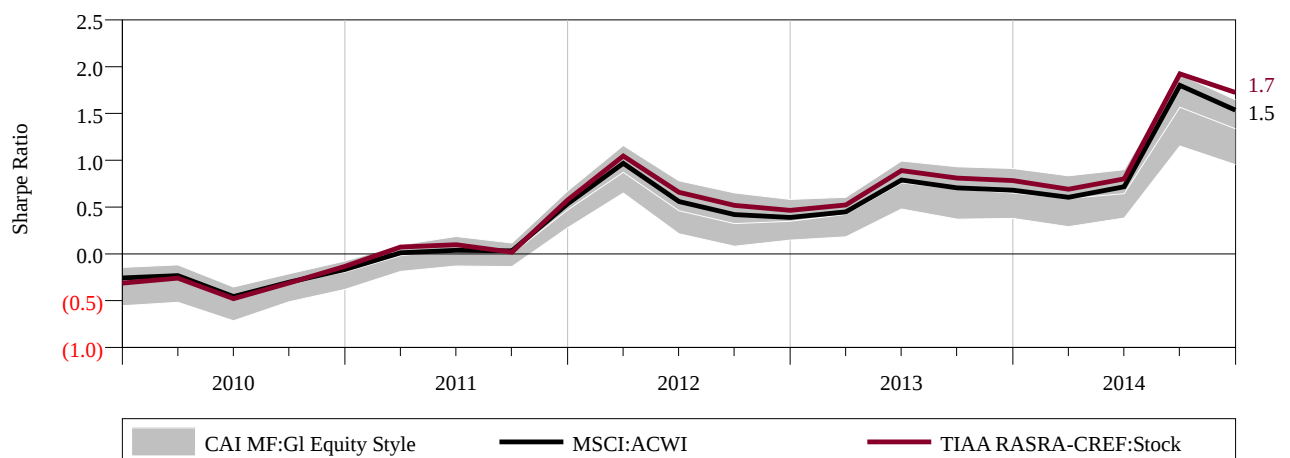


Rolling 12 Quarter Standard Deviation Comparison Chart

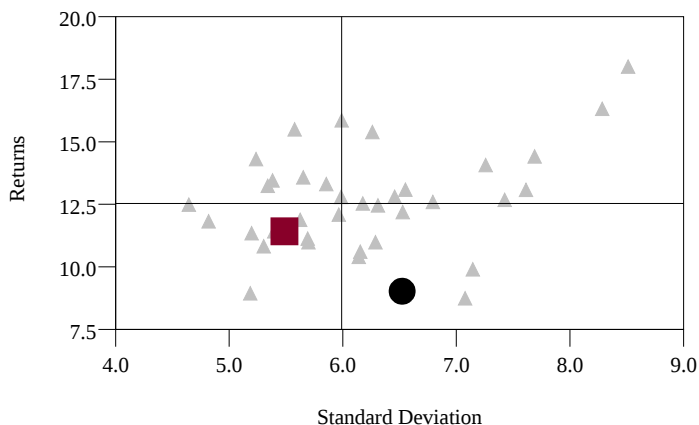


Risk Adjusted Statistics for 3 Years

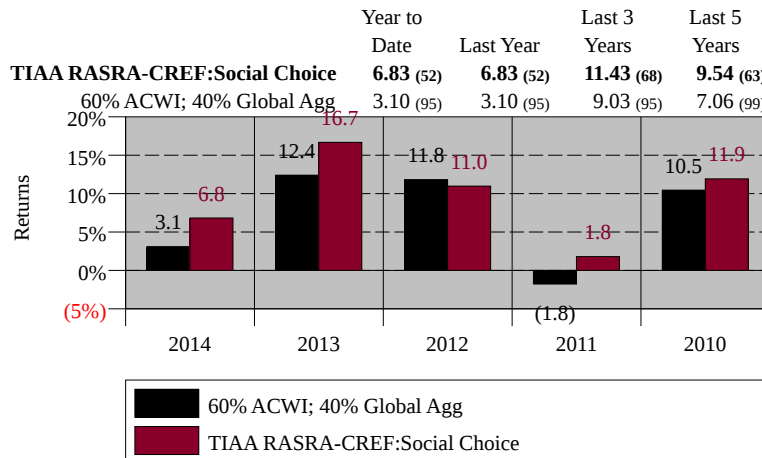
|                              | Alpha           | Sharpe Ratio    | Treynor Ratio    | Information Ratio | Sortino Ratio   |
|------------------------------|-----------------|-----------------|------------------|-------------------|-----------------|
| <b>TIAA RASRA-CREF:Stock</b> | <b>1.90 (8)</b> | <b>1.72 (7)</b> | <b>16.74 (8)</b> | <b>1.03 (7)</b>   | <b>2.89 (1)</b> |
| MSCI:ACWI                    | 0.00 (29)       | 1.54 (20)       | 14.64 (29)       | 0.00 (29)         | --              |



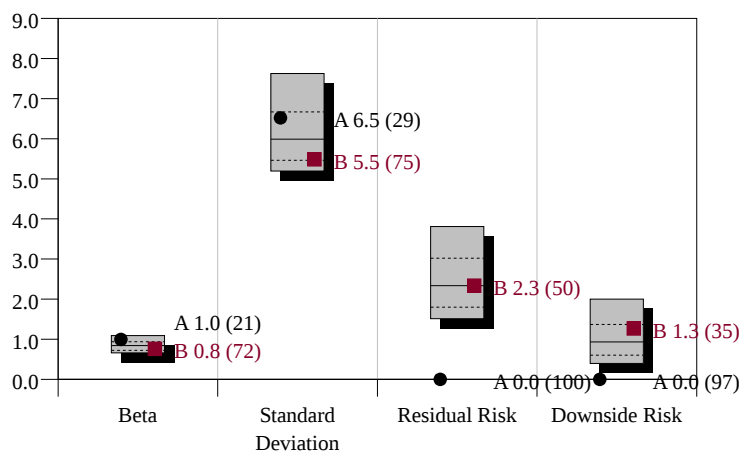
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


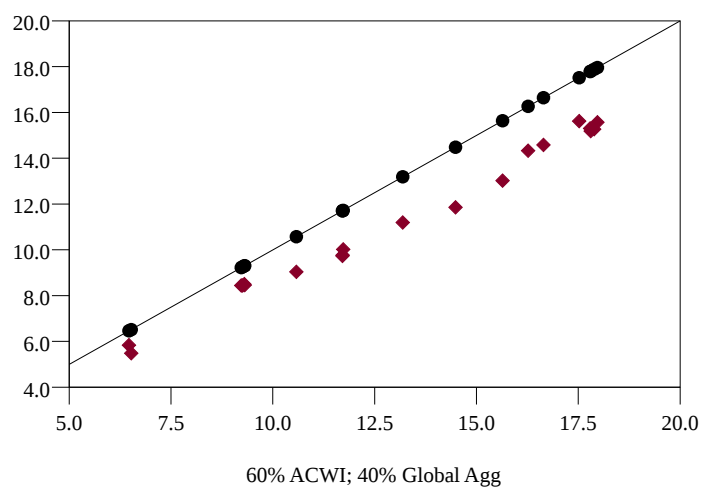
Returns for Various Periods



Risk Statistics for 3 Years

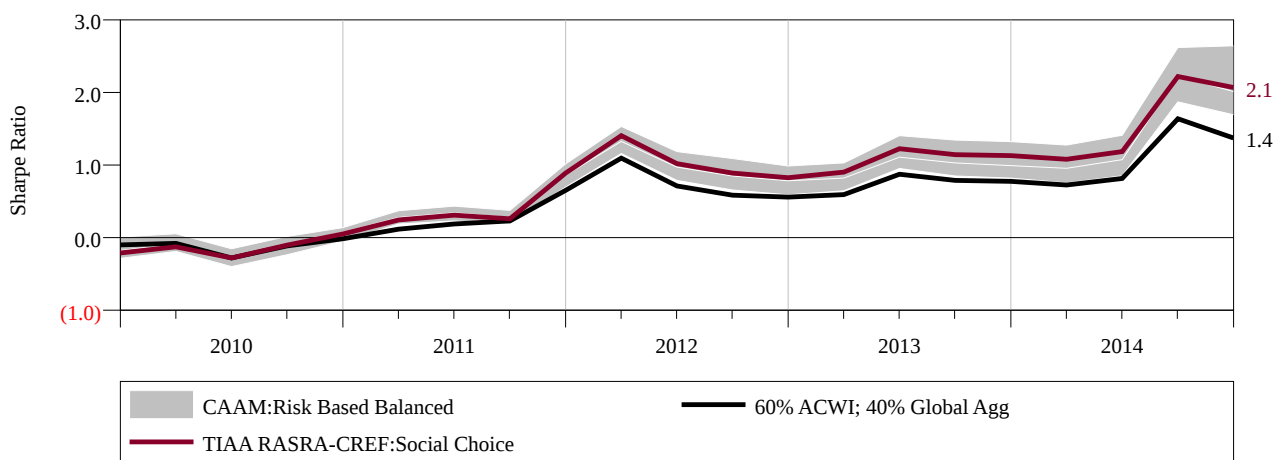


Rolling 12 Quarter Standard Deviation Comparison Chart



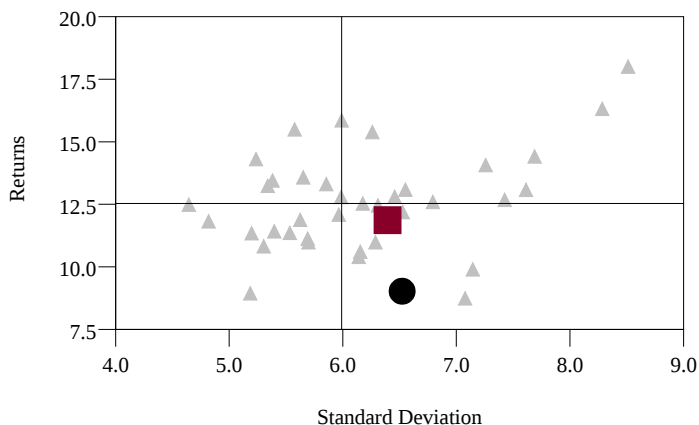
Risk Adjusted Statistics for 3 Years

|                                      | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|--------------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>TIAA RASRA-CREF:Social Choice</b> | <b>4.35 (44)</b> | <b>2.07 (41)</b> | <b>14.91 (35)</b> | <b>1.86 (55)</b>  | <b>1.89 (74)</b> |
| 60% ACWI; 40% Global Agg             | 0.00 (98)        | 1.37 (95)        | 8.96 (98)         | 0.00 (100)        | --               |



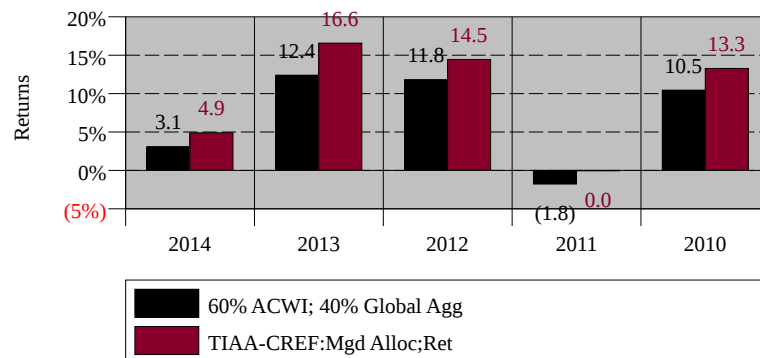
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

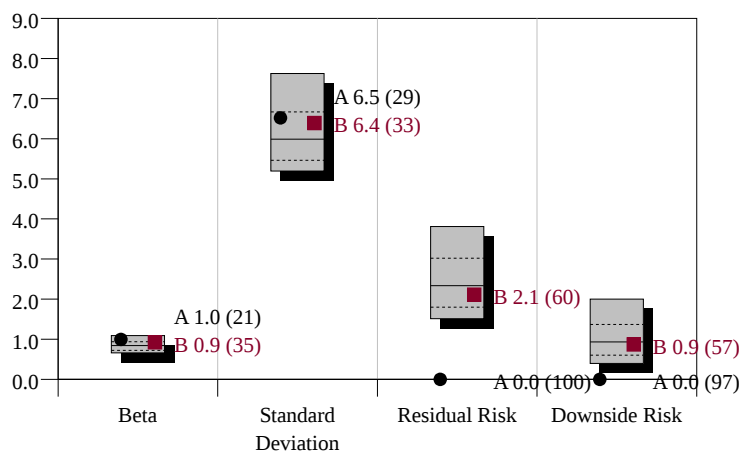


Returns for Various Periods

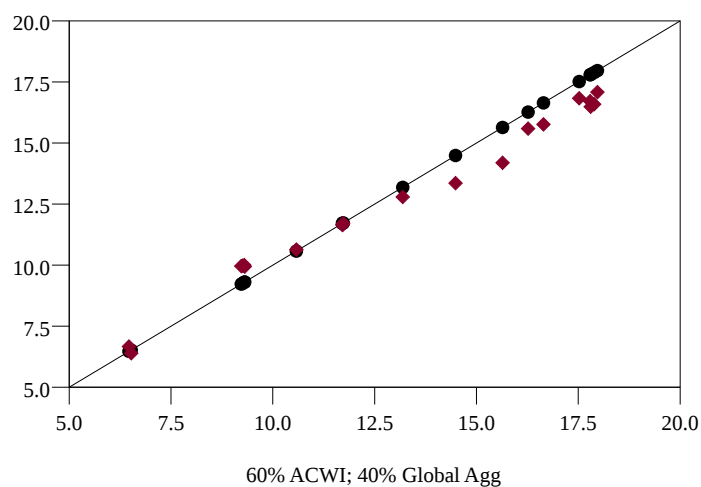
|                                | Year to Date     | Last Year        | Last 3 Years      | Last 5 Years     |
|--------------------------------|------------------|------------------|-------------------|------------------|
| <b>TIAA-CREF:Mgd Alloc;Ret</b> | <b>4.91 (87)</b> | <b>4.91 (87)</b> | <b>11.87 (64)</b> | <b>9.65 (60)</b> |
| 60% ACWI; 40% Global Agg       | 3.10 (95)        | 3.10 (95)        | 9.03 (95)         | 7.06 (99)        |



Risk Statistics for 3 Years



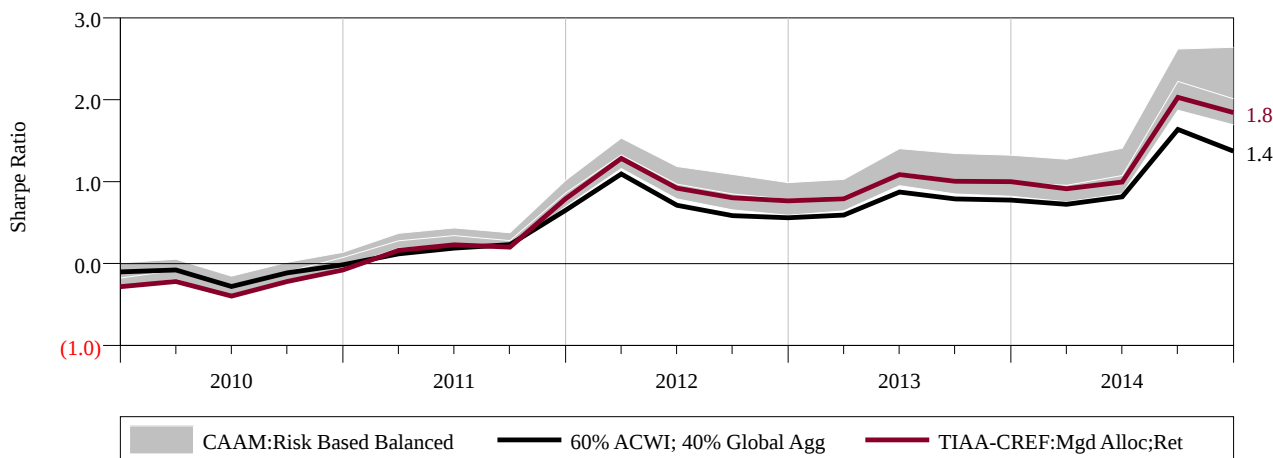
Rolling 12 Quarter Standard Deviation Comparison Chart



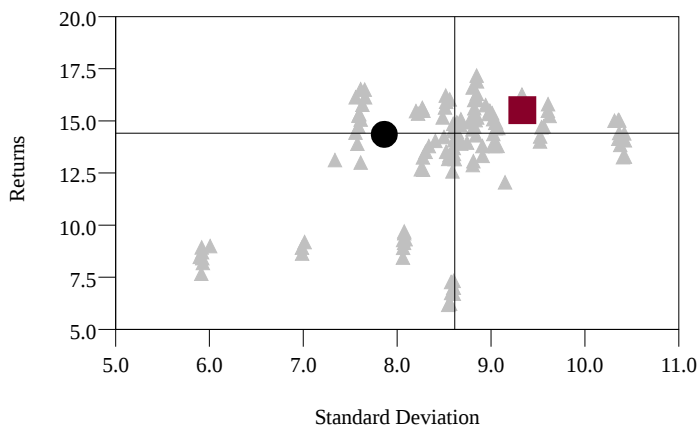
Risk Adjusted Statistics for 3 Years

|                                | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|--------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>TIAA-CREF:Mgd Alloc;Ret</b> | <b>3.33 (76)</b> | <b>1.84 (76)</b> | <b>12.75 (75)</b> | <b>1.57 (74)</b>  | <b>3.26 (51)</b> |
| 60% ACWI; 40% Global Agg       | 0.00 (98)        | 1.37 (95)        | 8.96 (98)         | 0.00 (100)        | --               |

Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

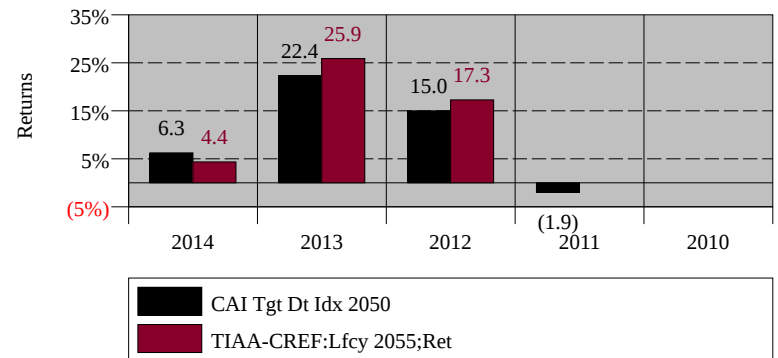


Scatter Chart  
for 3 Years Ended December 31, 2014

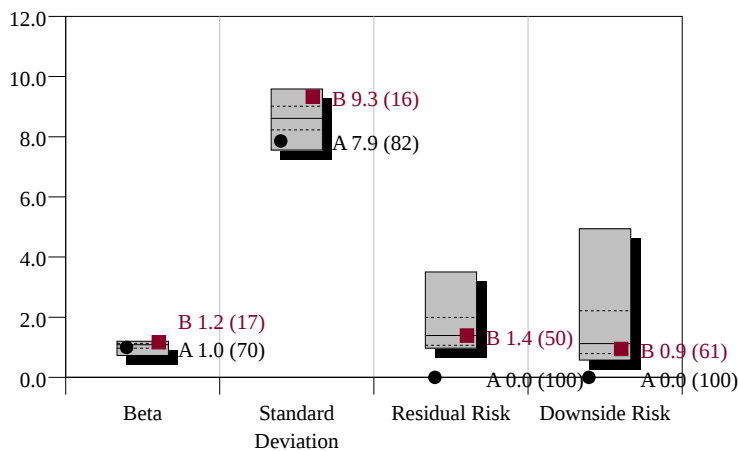


Returns for Various Periods

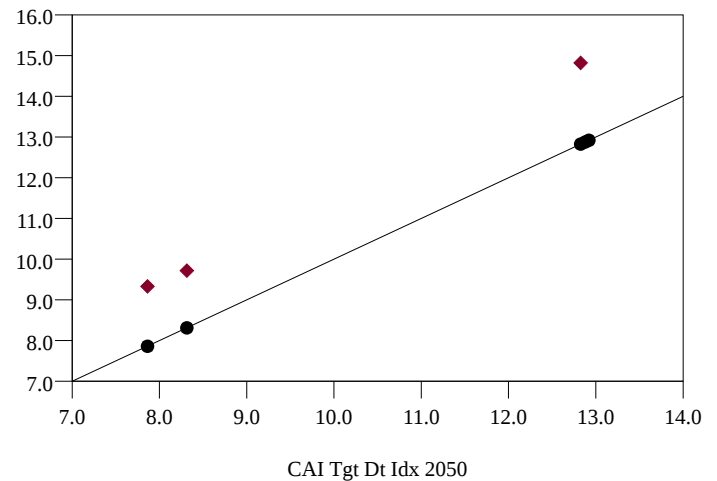
|                                | Year to Date     | Last Year        | Last 3 Years      | Last 5 Years |
|--------------------------------|------------------|------------------|-------------------|--------------|
| <b>TIAA-CREF:Lfcy 2055;Ret</b> | <b>4.37 (74)</b> | <b>4.37 (74)</b> | <b>15.52 (19)</b> | --           |
| CAI Tgt Dt Idx 2050            | 6.28 (31)        | 6.28 (31)        | 14.36 (51)        | --           |



Risk Statistics for 3 Years

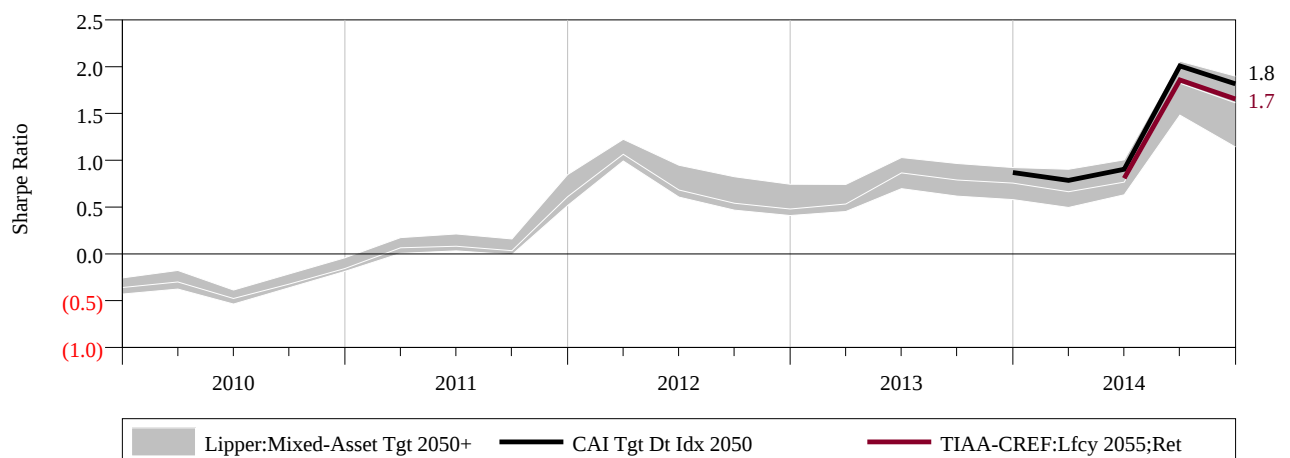


Rolling 12 Quarter Standard Deviation Comparison Chart



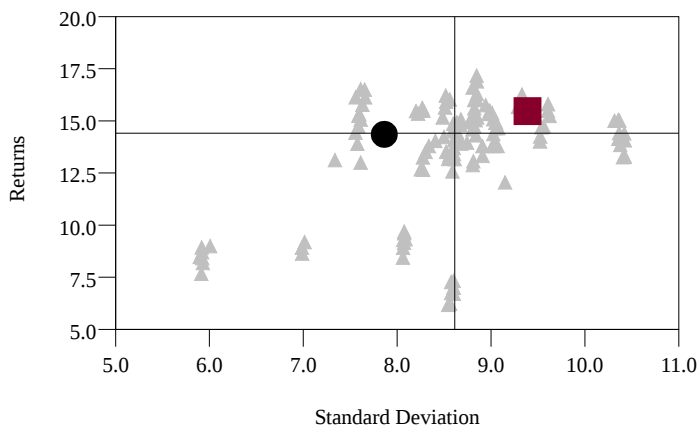
Risk Adjusted Statistics for 3 Years

|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2055;Ret</b> | <b>(1.24) (49)</b> | <b>1.65 (42)</b> | <b>13.16 (46)</b> | <b>(0.89) (51)</b> | <b>1.22 (24)</b> |
| CAI Tgt Dt Idx 2050            | 0.00 (23)          | 1.82 (18)        | 14.29 (23)        | 0.00 (23)          | --               |

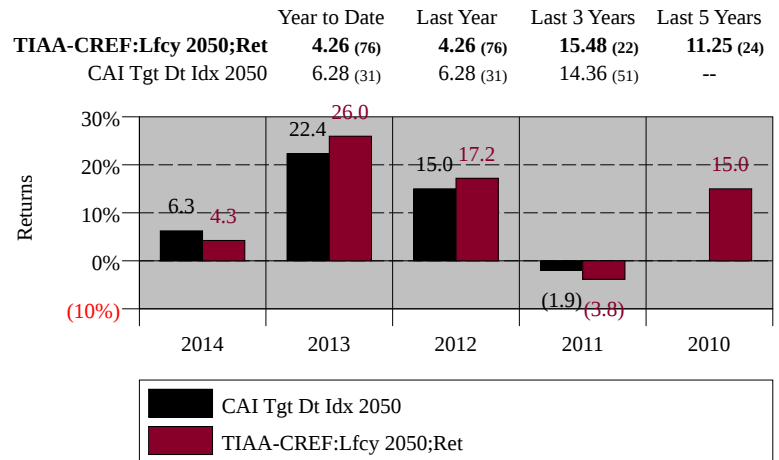


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

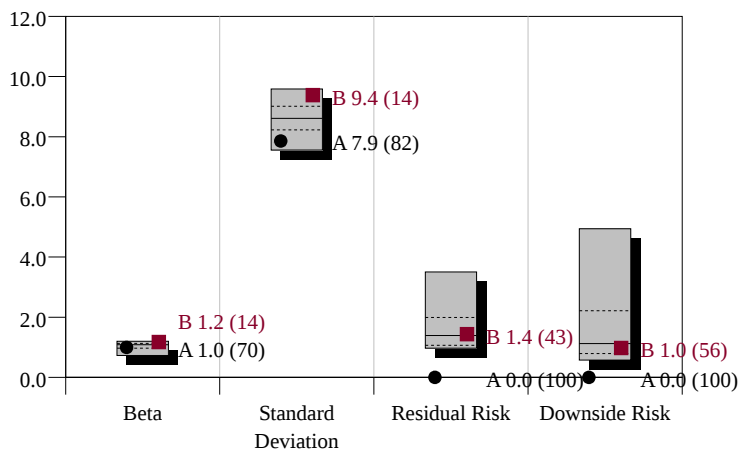
Scatter Chart  
for 3 Years Ended December 31, 2014



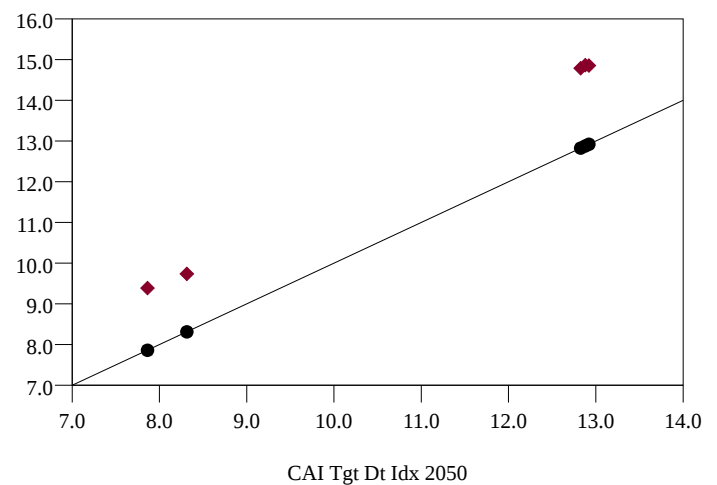
Returns for Various Periods



Risk Statistics for 3 Years

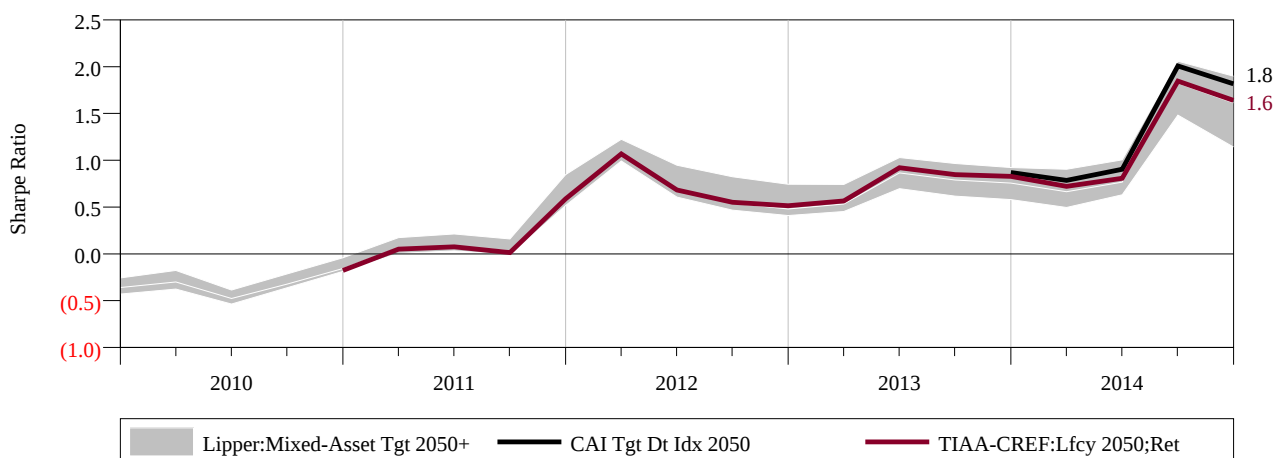


Rolling 12 Quarter Standard Deviation Comparison Chart



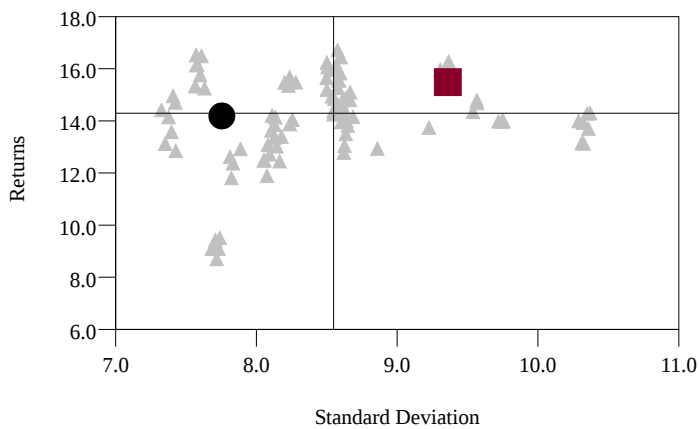
Risk Adjusted Statistics for 3 Years

|                         | Alpha       | Sharpe Ratio | Treynor Ratio | Information Ratio | Sortino Ratio |
|-------------------------|-------------|--------------|---------------|-------------------|---------------|
| TIAA-CREF:Lfcy 2050;Ret | (1.36) (51) | 1.64 (46)    | 13.06 (49)    | (0.94) (53)       | 1.14 (25)     |
| CAI Tgt Dt Idx 2050     | 0.00 (23)   | 1.82 (18)    | 14.29 (23)    | 0.00 (23)         | --            |

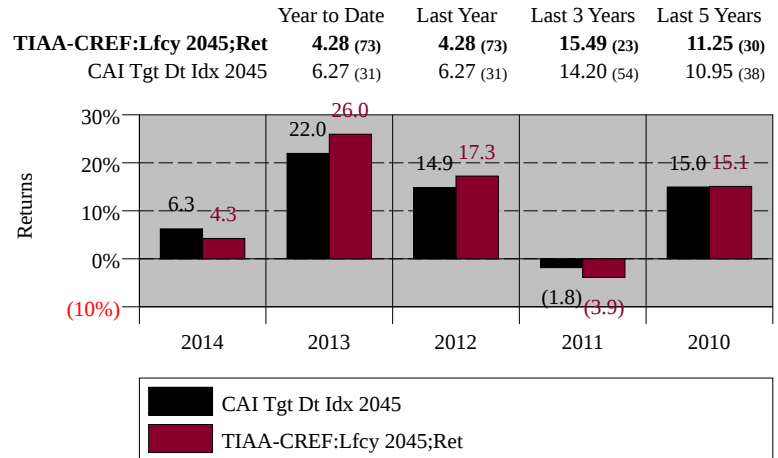


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

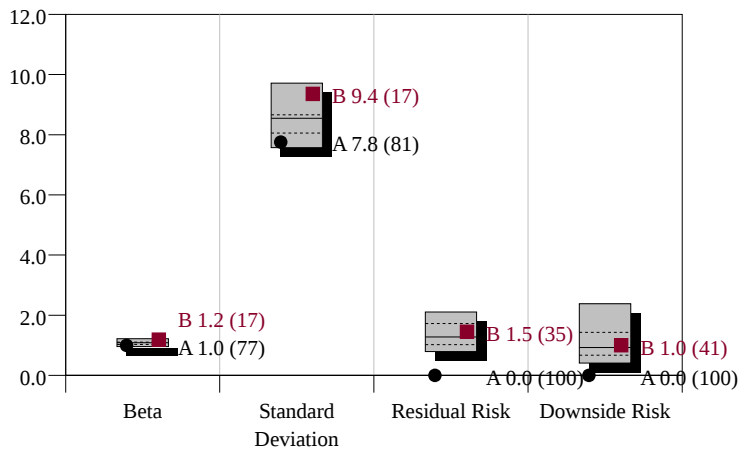
Scatter Chart  
for 3 Years Ended December 31, 2014



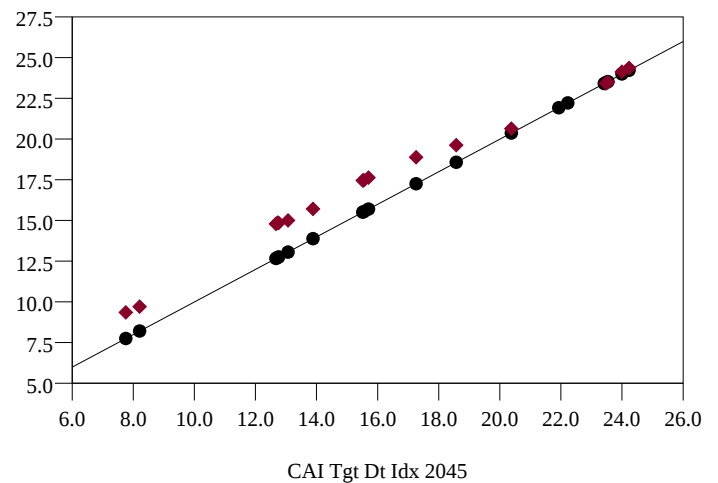
Returns for Various Periods



Risk Statistics for 3 Years



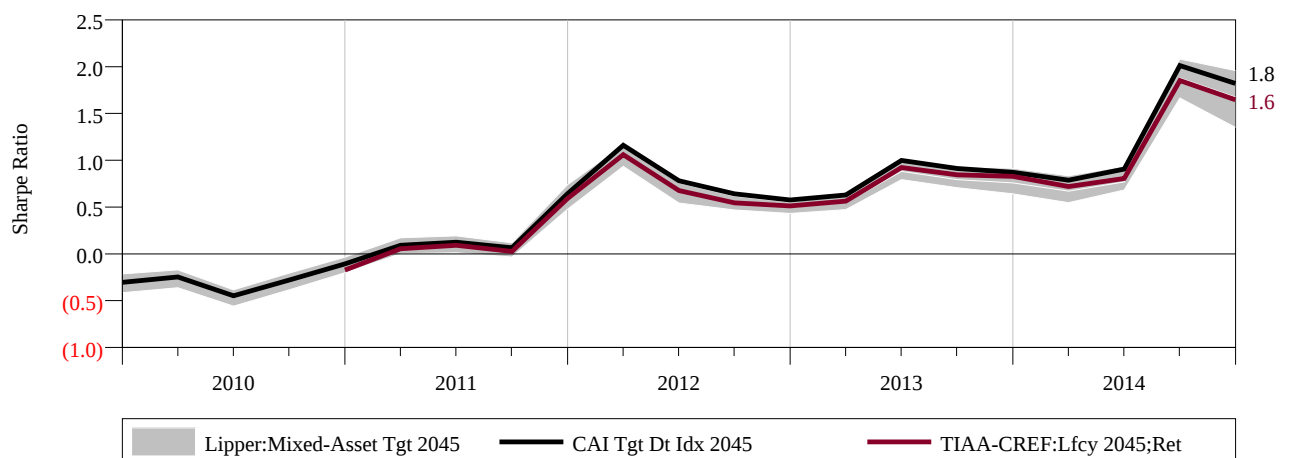
Rolling 12 Quarter Standard Deviation Comparison Chart

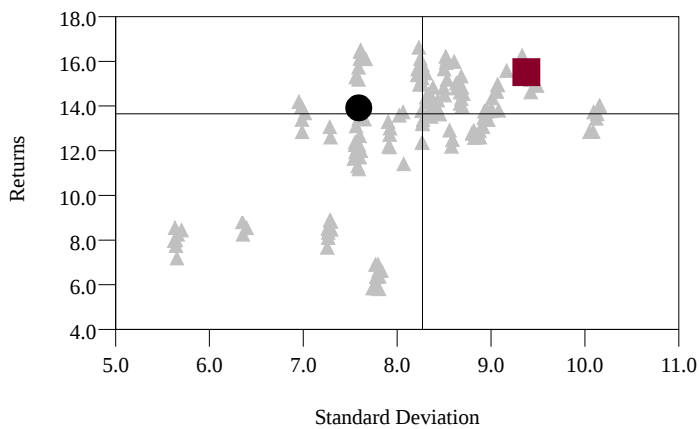


Risk Adjusted Statistics for 3 Years

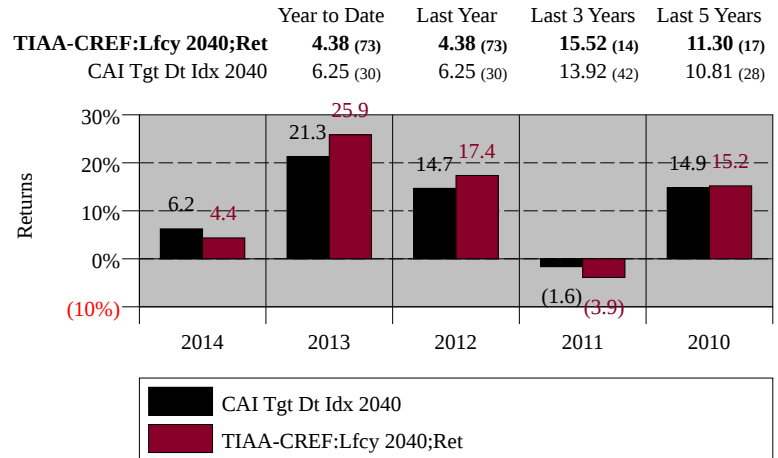
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2045;Ret</b> | <b>(1.33) (63)</b> | <b>1.65 (58)</b> | <b>12.93 (58)</b> | <b>(0.92) (50)</b> | <b>1.29 (30)</b> |
| CAI Tgt Dt Idx 2045            | 0.00 (27)          | 1.82 (24)        | 14.12 (27)        | 0.00 (27)          | --               |

Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

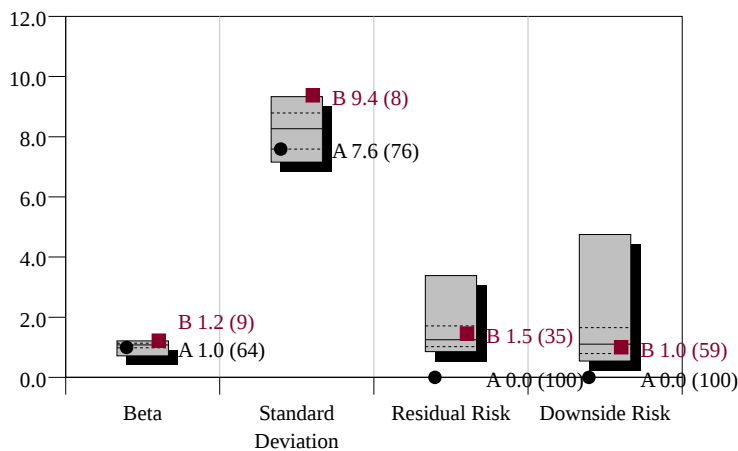


Scatter Chart  
for 3 Years Ended December 31, 2014


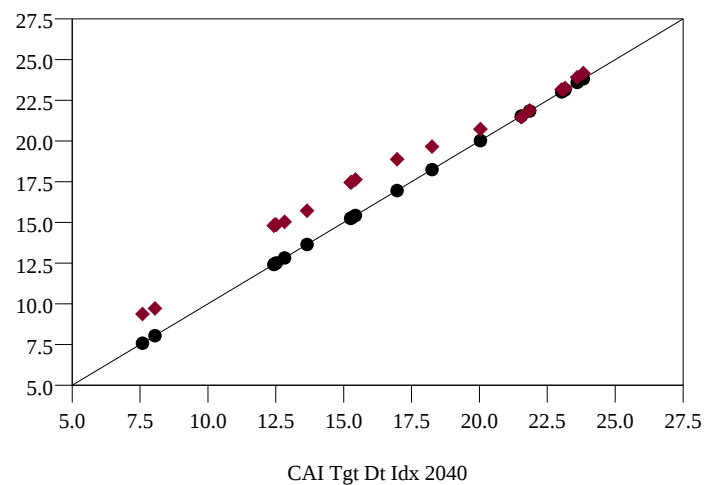
Returns for Various Periods



Risk Statistics for 3 Years

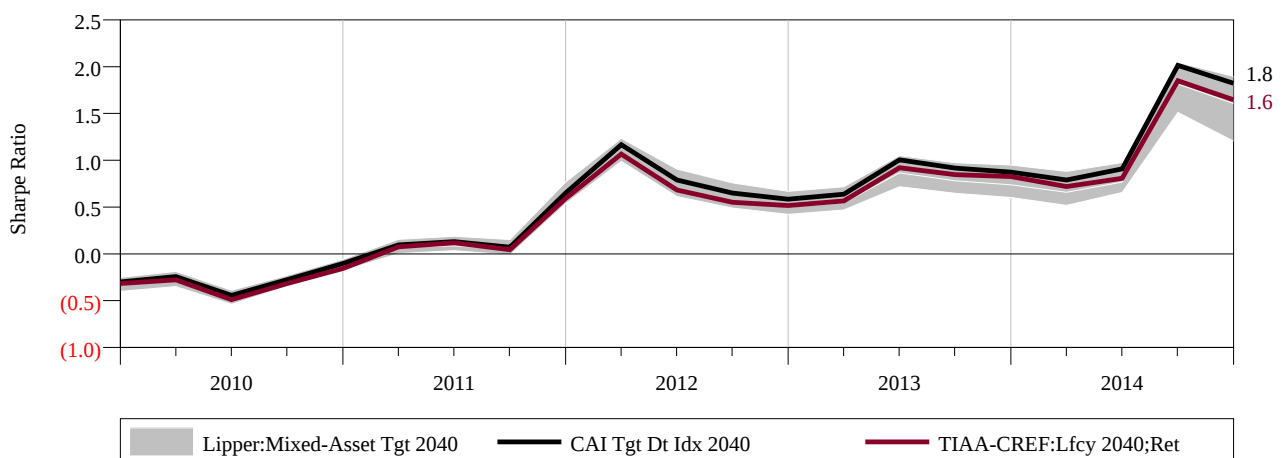


Rolling 12 Quarter Standard Deviation Comparison Chart



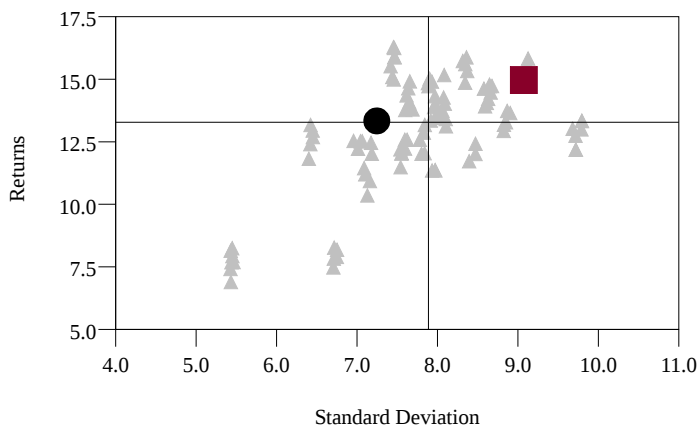
Risk Adjusted Statistics for 3 Years

|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2040;Ret</b> | <b>(1.37) (50)</b> | <b>1.65 (42)</b> | <b>12.66 (46)</b> | <b>(0.94) (47)</b> | <b>1.60 (19)</b> |
| CAI Tgt Dt Idx 2040            | 0.00 (20)          | 1.82 (17)        | 13.85 (20)        | 0.00 (20)          | --               |

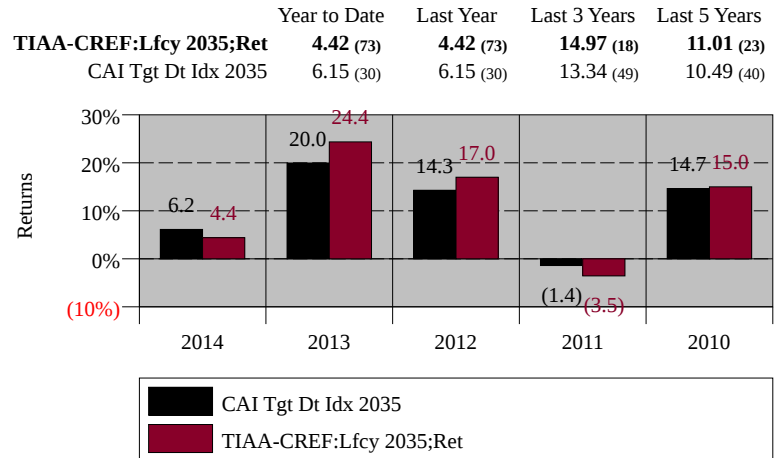


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

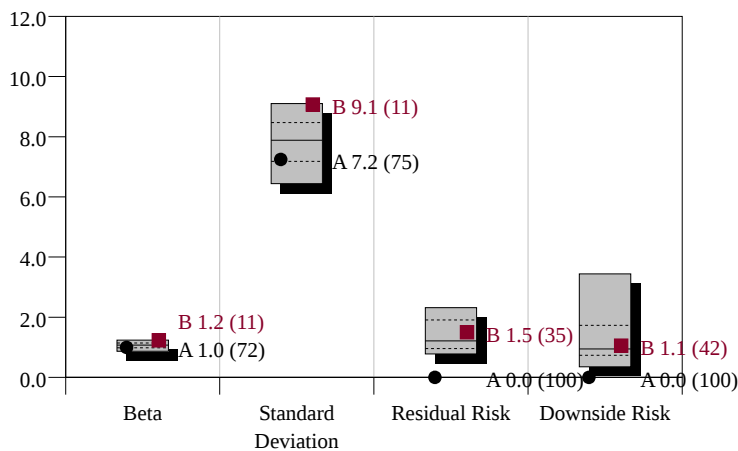
Scatter Chart  
for 3 Years Ended December 31, 2014



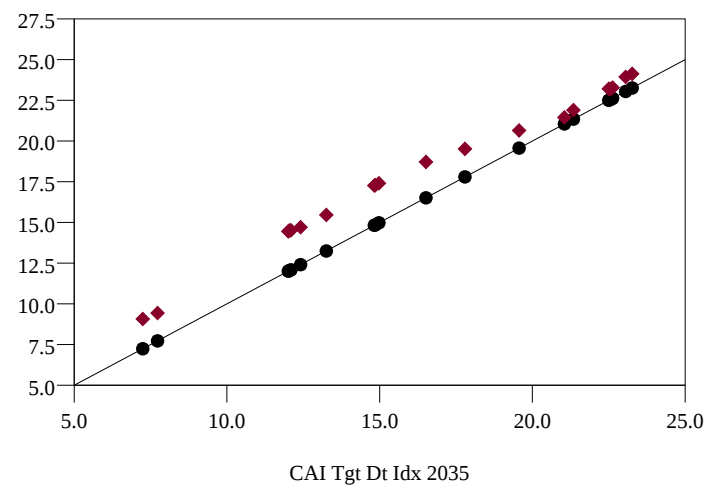
Returns for Various Periods



Risk Statistics for 3 Years

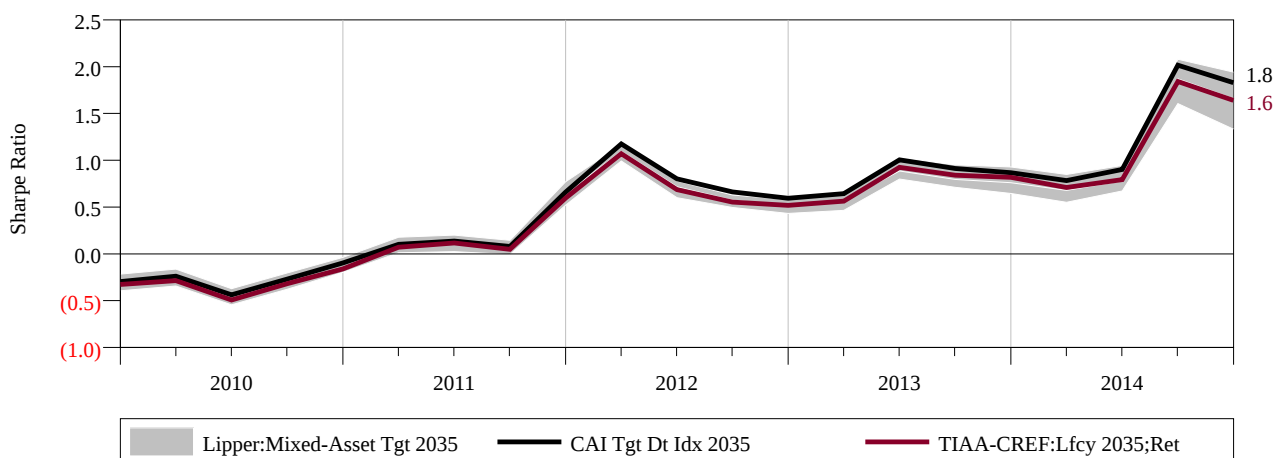


Rolling 12 Quarter Standard Deviation Comparison Chart



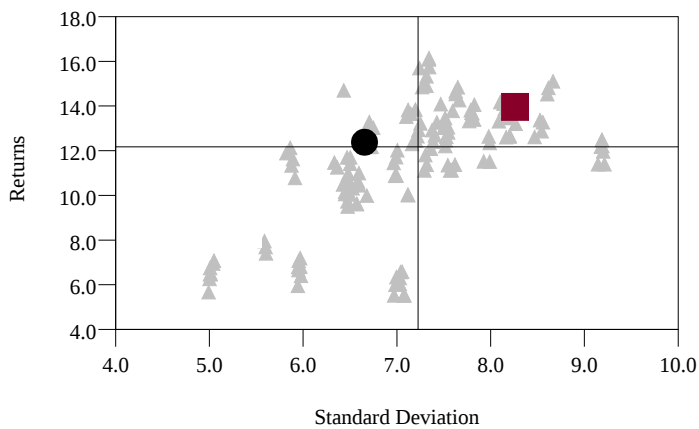
Risk Adjusted Statistics for 3 Years

|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2035;Ret</b> | <b>(1.39) (66)</b> | <b>1.64 (55)</b> | <b>12.07 (60)</b> | <b>(0.93) (52)</b> | <b>1.55 (27)</b> |
| CAI Tgt Dt Idx 2035            | 0.00 (26)          | 1.83 (22)        | 13.26 (26)        | 0.00 (27)          | --               |

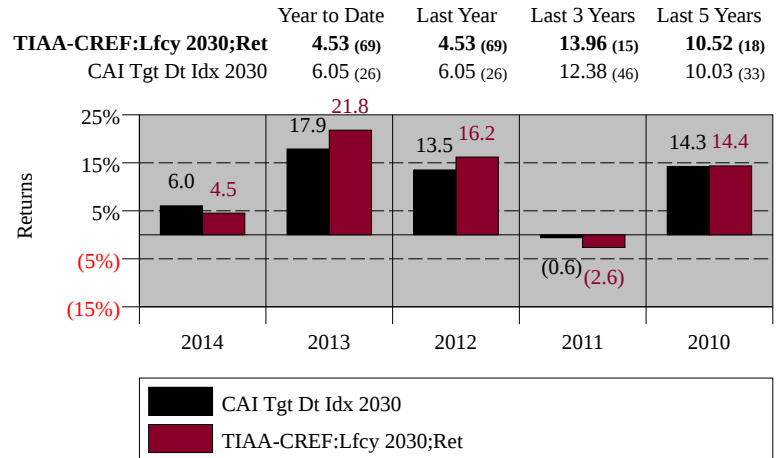


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

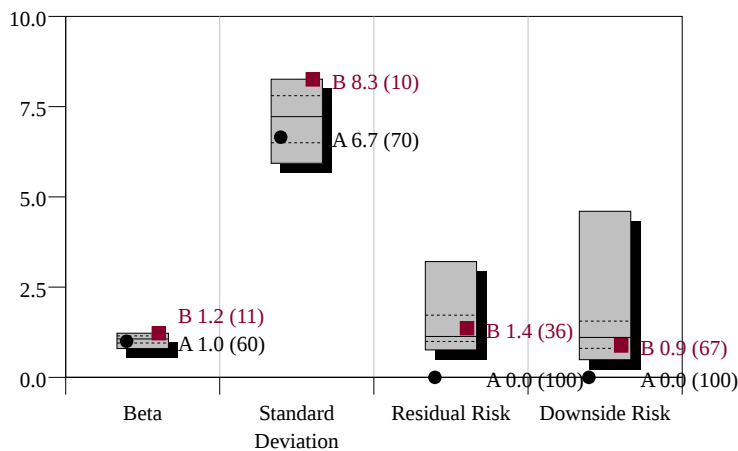
Scatter Chart  
for 3 Years Ended December 31, 2014



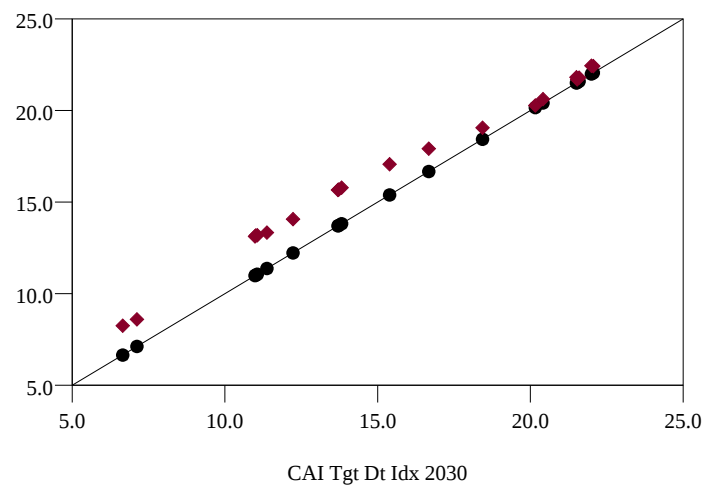
Returns for Various Periods



Risk Statistics for 3 Years

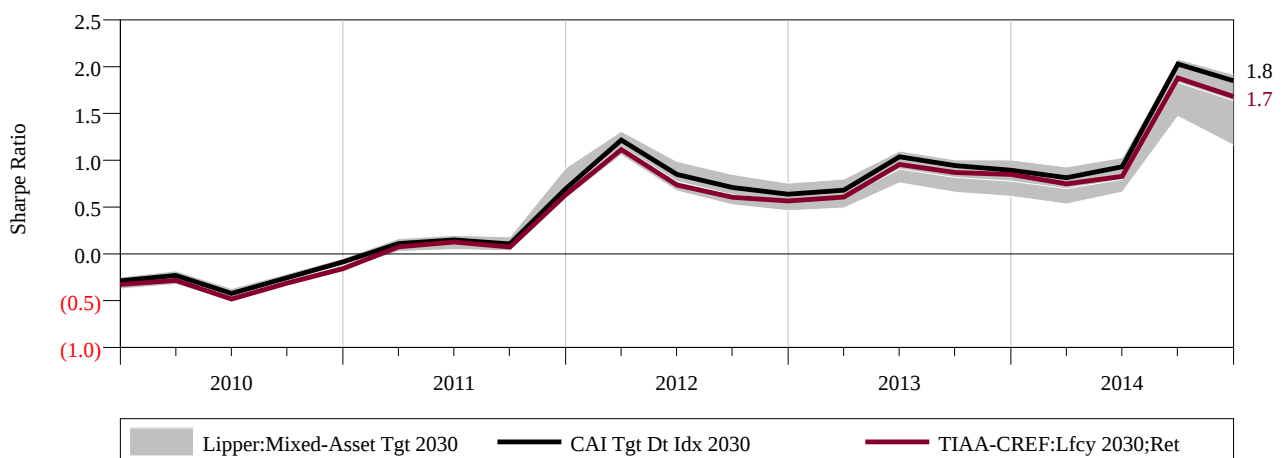


Rolling 12 Quarter Standard Deviation Comparison Chart



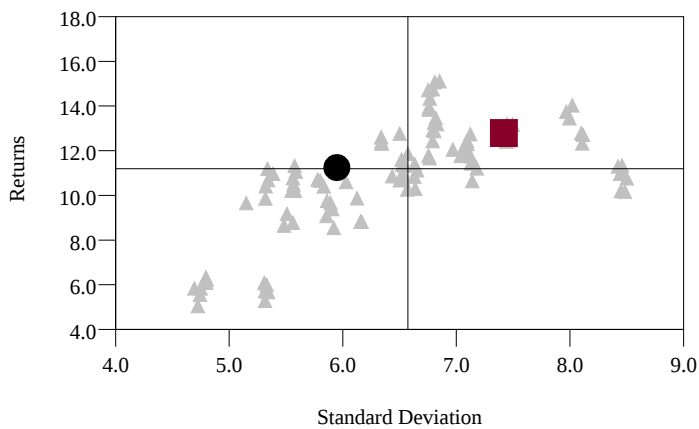
Risk Adjusted Statistics for 3 Years

|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2030;Ret</b> | <b>(1.13) (48)</b> | <b>1.68 (41)</b> | <b>11.35 (42)</b> | <b>(0.82) (45)</b> | <b>1.78 (18)</b> |
| CAI Tgt Dt Idx 2030            | 0.00 (19)          | 1.85 (16)        | 12.31 (18)        | 0.00 (19)          | --               |

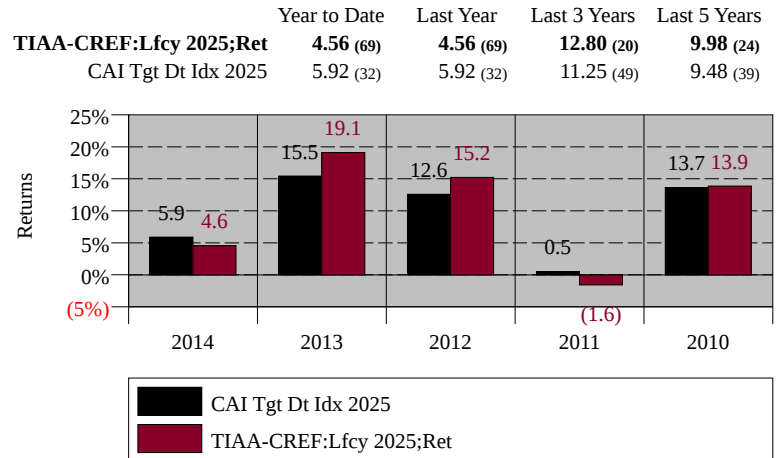


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

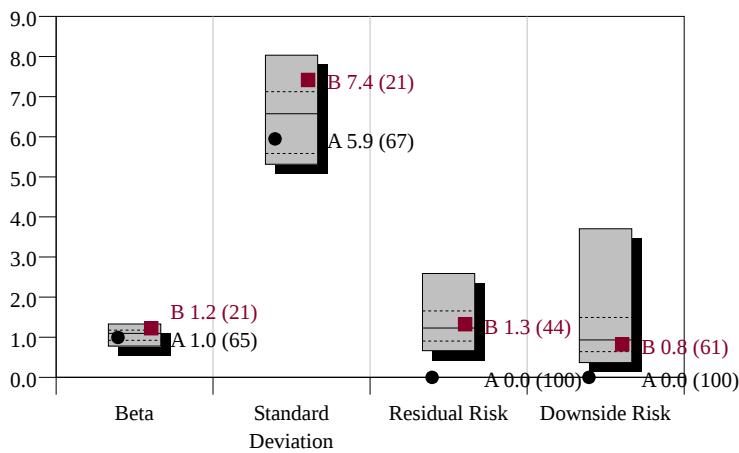
Scatter Chart  
for 3 Years Ended December 31, 2014



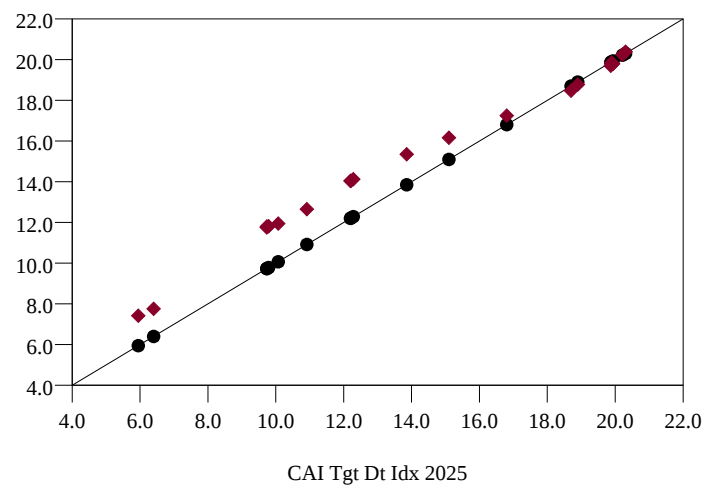
Returns for Various Periods



Risk Statistics for 3 Years



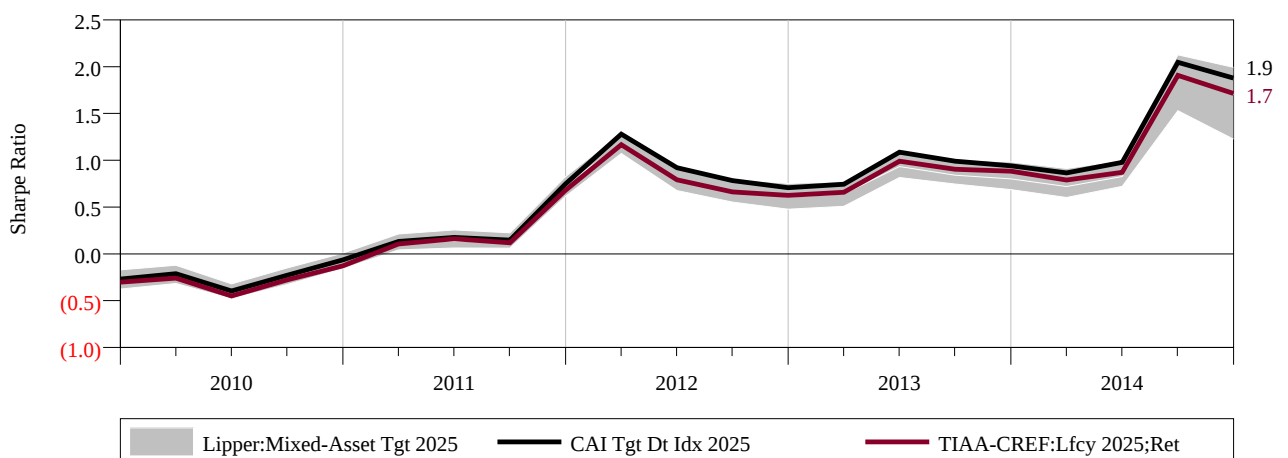
Rolling 12 Quarter Standard Deviation Comparison Chart

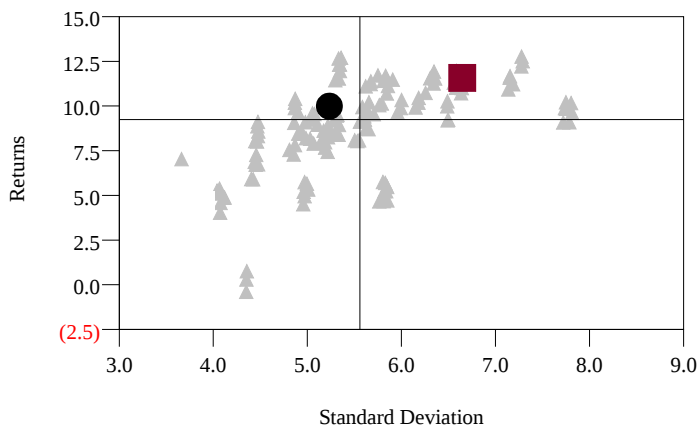


Risk Adjusted Statistics for 3 Years

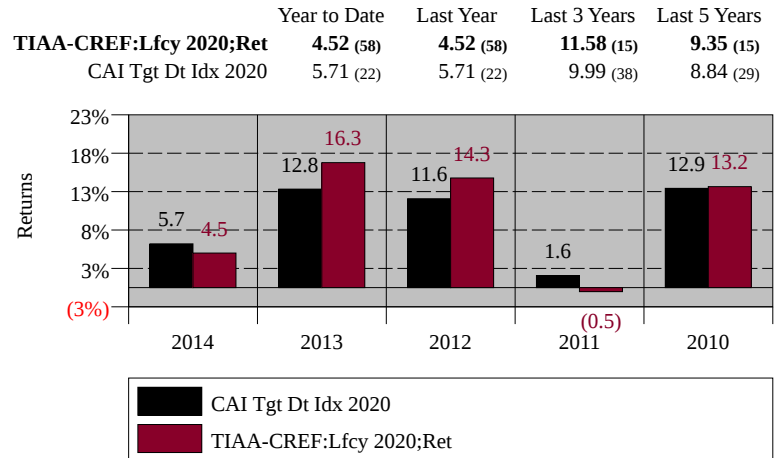
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio     | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|-------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2025;Ret</b> | <b>(0.95) (51)</b> | <b>1.72 (47)</b> | <b>10.37 (44)</b> | <b>(0.71) (47)</b> | <b>1.89 (27)</b> |
| CAI Tgt Dt Idx 2025            | 0.00 (25)          | 1.88 (22)        | 11.17 (24)        | 0.00 (25)          | --               |

Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

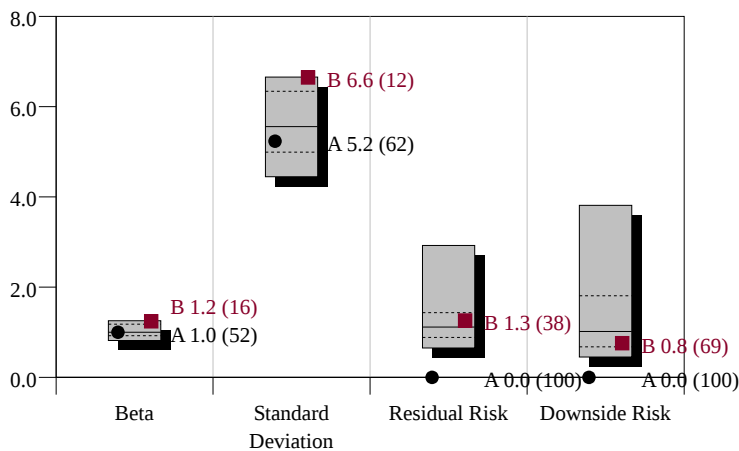


Scatter Chart  
for 3 Years Ended December 31, 2014


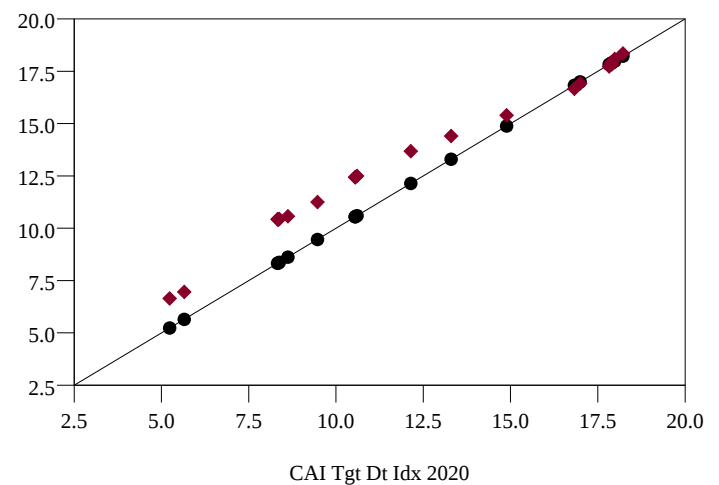
Returns for Various Periods



Risk Statistics for 3 Years

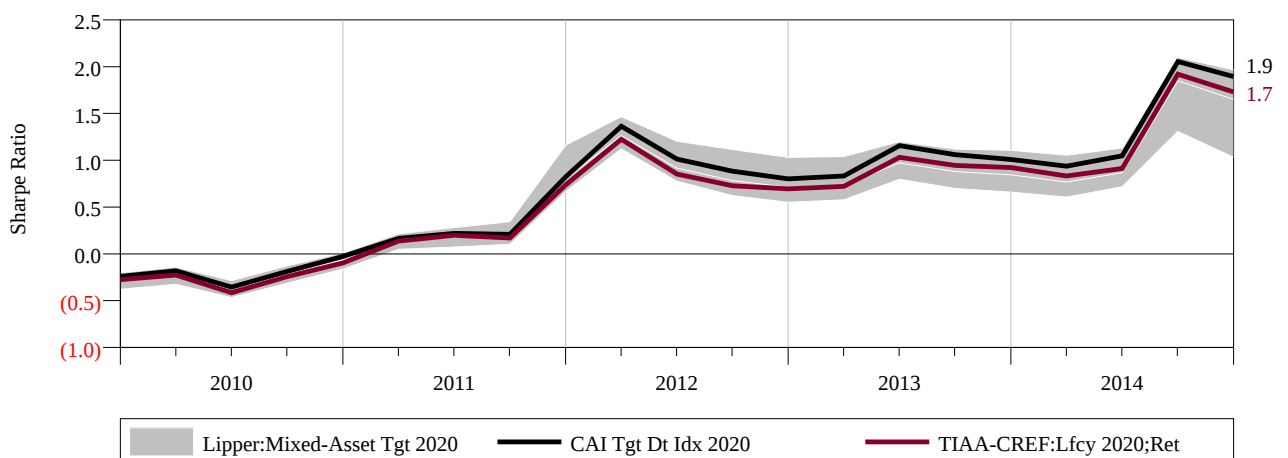


Rolling 12 Quarter Standard Deviation Comparison Chart

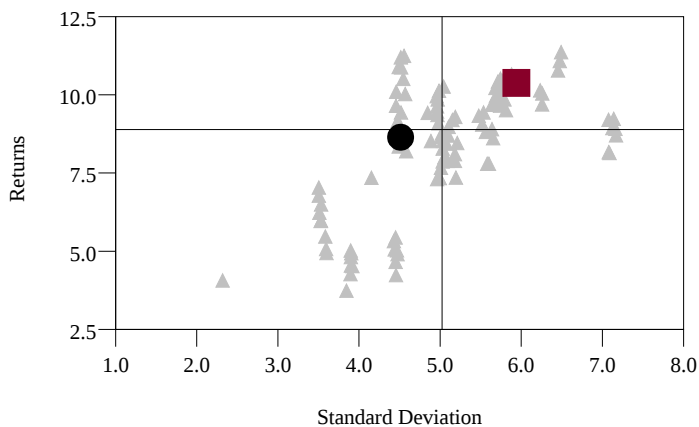


Risk Adjusted Statistics for 3 Years

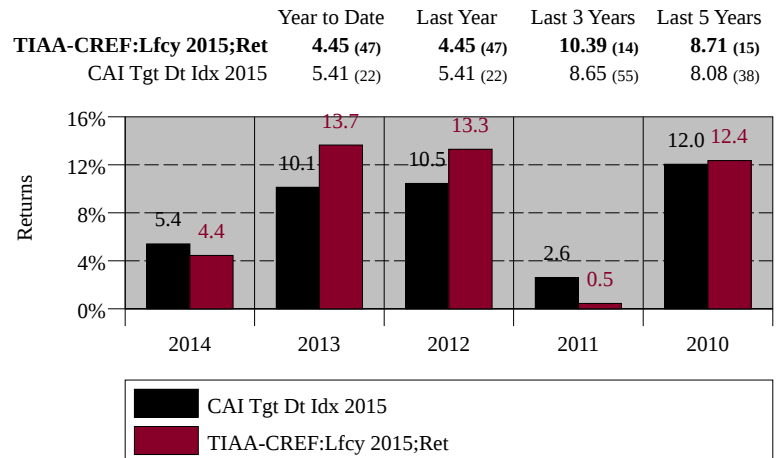
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio    |
|--------------------------------|--------------------|------------------|------------------|--------------------|------------------|
| <b>TIAA-CREF:Lfcy 2020;Ret</b> | <b>(0.84) (44)</b> | <b>1.73 (36)</b> | <b>9.23 (35)</b> | <b>(0.67) (34)</b> | <b>2.09 (21)</b> |
| CAI Tgt Dt Idx 2020            | 0.00 (20)          | 1.90 (15)        | 9.92 (17)        | 0.00 (20)          | --               |



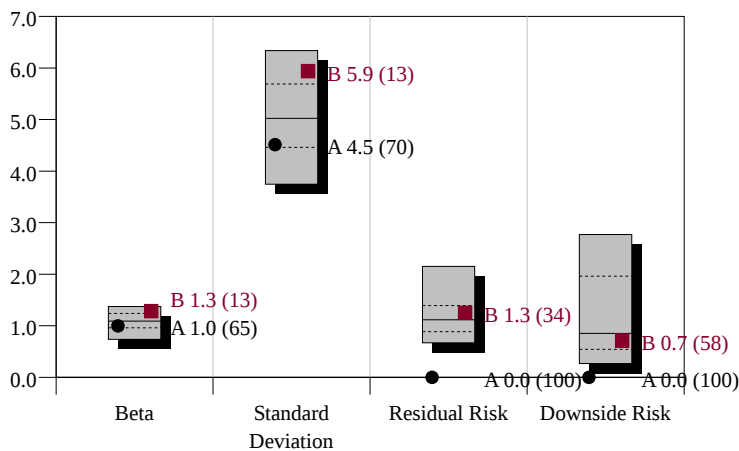
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


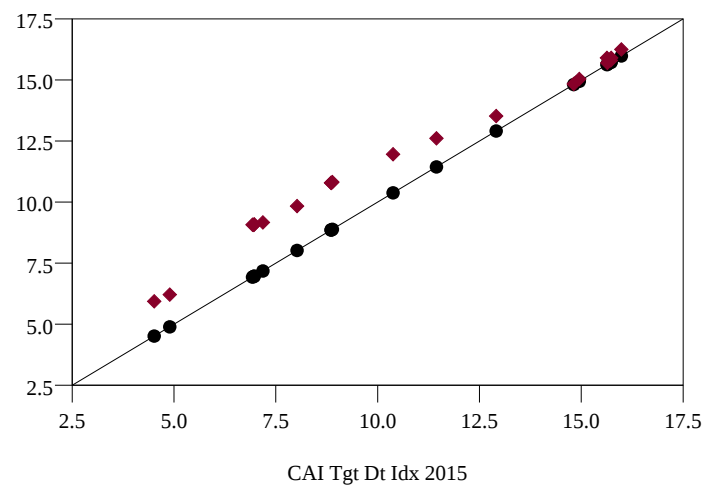
Returns for Various Periods



Risk Statistics for 3 Years

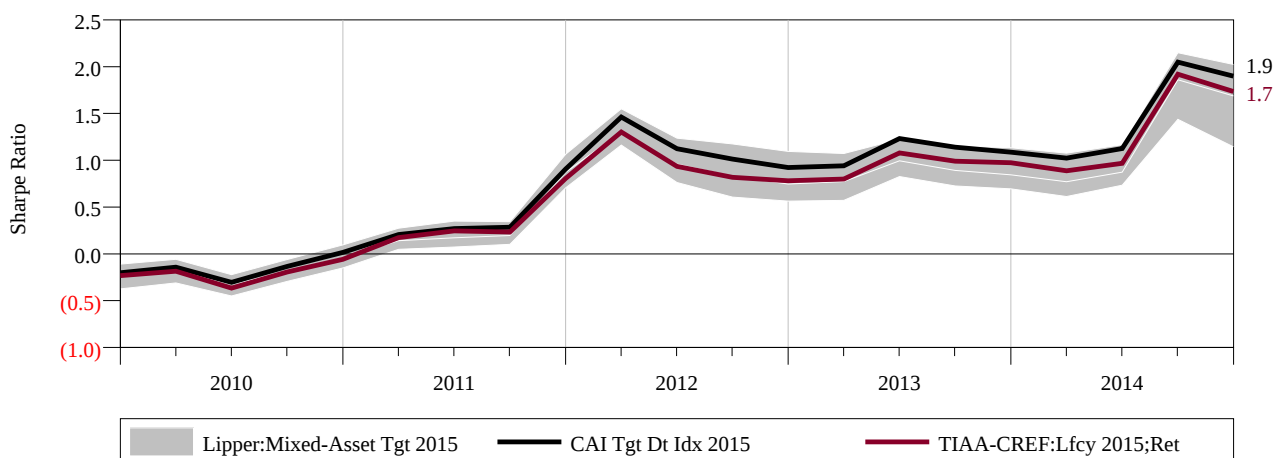


Rolling 12 Quarter Standard Deviation Comparison Chart



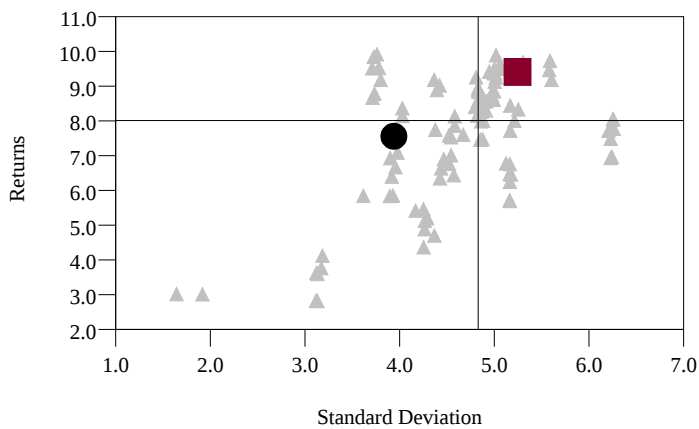
Risk Adjusted Statistics for 3 Years

|                                |                    |                  |                  |                    |                  |
|--------------------------------|--------------------|------------------|------------------|--------------------|------------------|
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio    |
| <b>TIAA-CREF:Lfcy 2015;Ret</b> | <b>(0.70) (47)</b> | <b>1.74 (39)</b> | <b>8.02 (40)</b> | <b>(0.56) (42)</b> | <b>2.43 (24)</b> |
| CAI Tgt Dt Idx 2015            | 0.00 (22)          | 1.90 (19)        | 8.57 (22)        | 0.00 (23)          | --               |

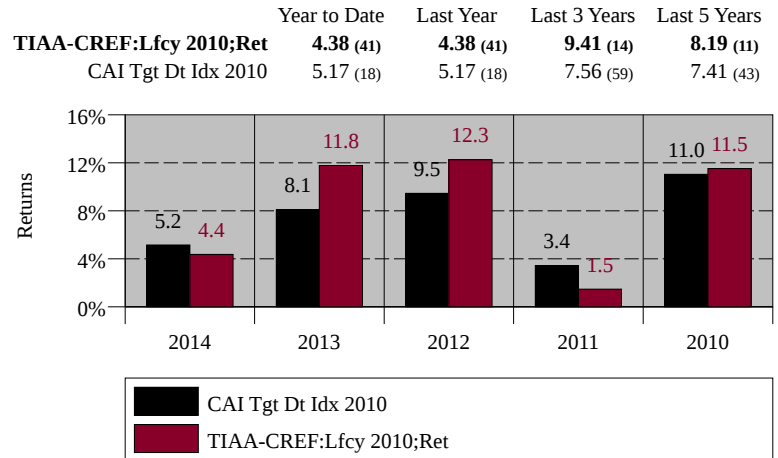


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

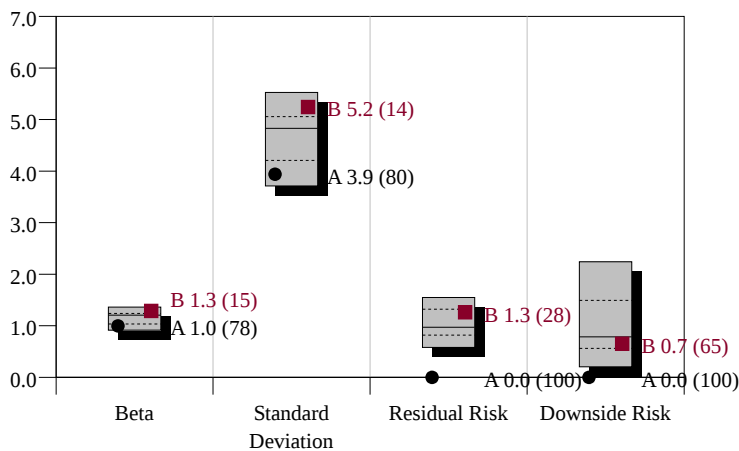
Scatter Chart  
for 3 Years Ended December 31, 2014



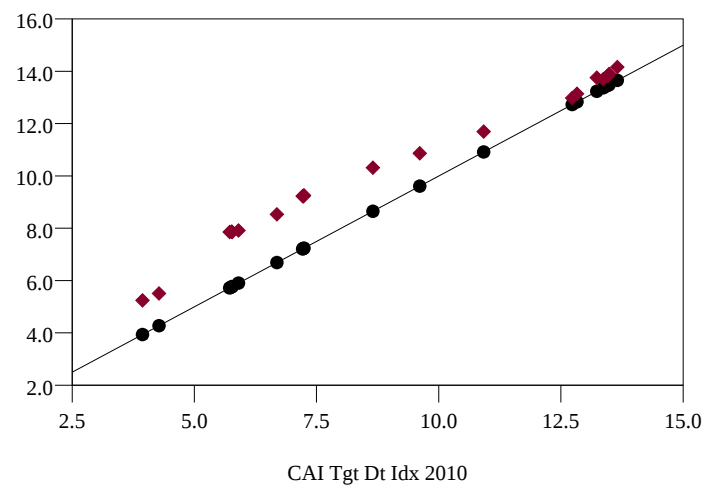
Returns for Various Periods



Risk Statistics for 3 Years

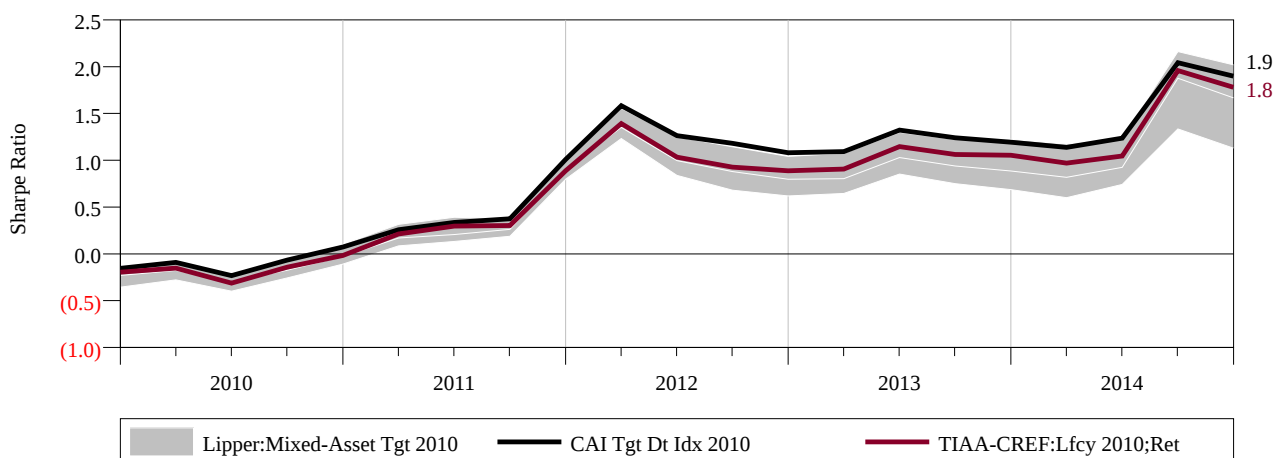


Rolling 12 Quarter Standard Deviation Comparison Chart

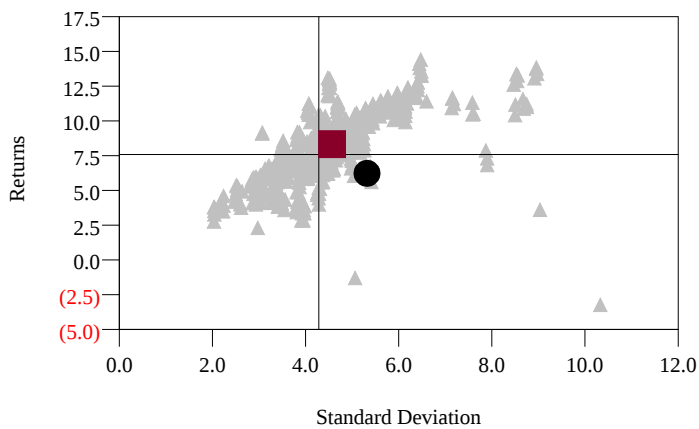


Risk Adjusted Statistics for 3 Years

|                                |                    |                  |                  |                    |                  |
|--------------------------------|--------------------|------------------|------------------|--------------------|------------------|
|                                | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio    |
| <b>TIAA-CREF:Lfcy 2010;Ret</b> | <b>(0.35) (30)</b> | <b>1.78 (29)</b> | <b>7.23 (30)</b> | <b>(0.27) (27)</b> | <b>2.83 (23)</b> |
| CAI Tgt Dt Idx 2010            | 0.00 (22)          | 1.90 (14)        | 7.49 (23)        | 0.00 (22)          | --               |

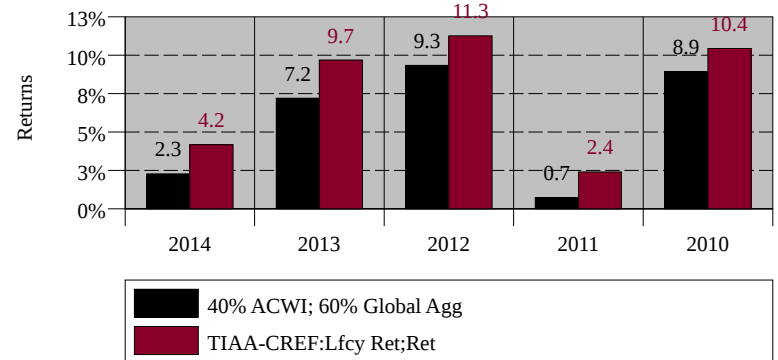


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

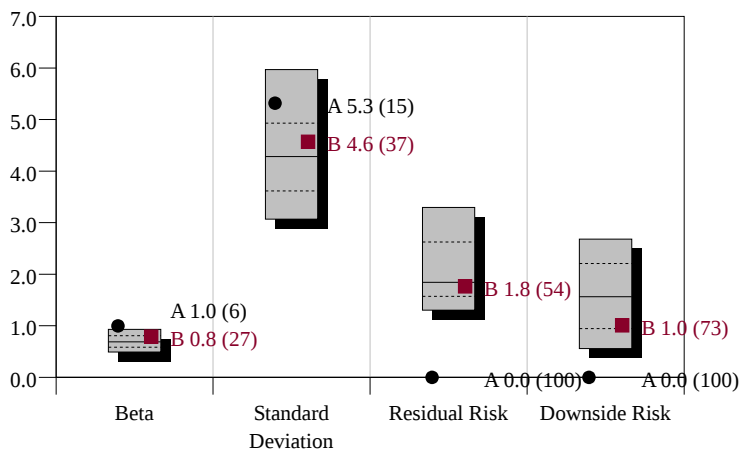
Scatter Chart  
for 3 Years Ended December 31, 2014


Returns for Various Periods

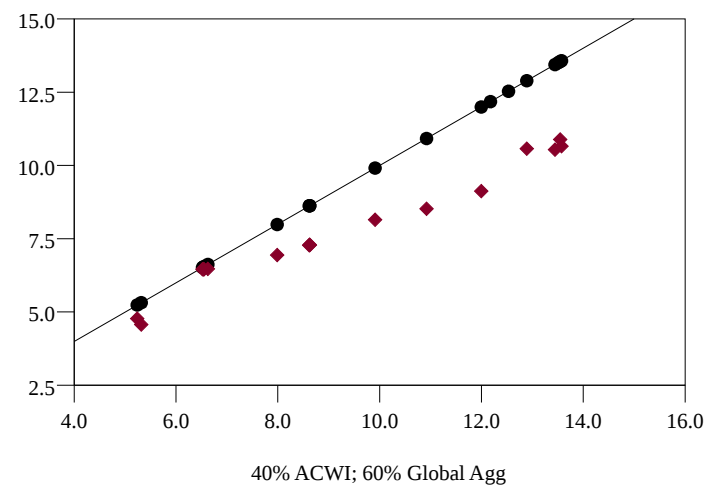
|                               | Year to Date     | Last Year        | Last 3 Years     | Last 5 Years     |
|-------------------------------|------------------|------------------|------------------|------------------|
| <b>TIAA-CREF:Lfcy Ret;Ret</b> | <b>4.18 (52)</b> | <b>4.18 (52)</b> | <b>8.34 (40)</b> | <b>7.54 (39)</b> |
| 40% ACWI; 60% Global Agg      | 2.28 (93)        | 2.28 (93)        | 6.23 (72)        | 5.64 (79)        |



Risk Statistics for 3 Years

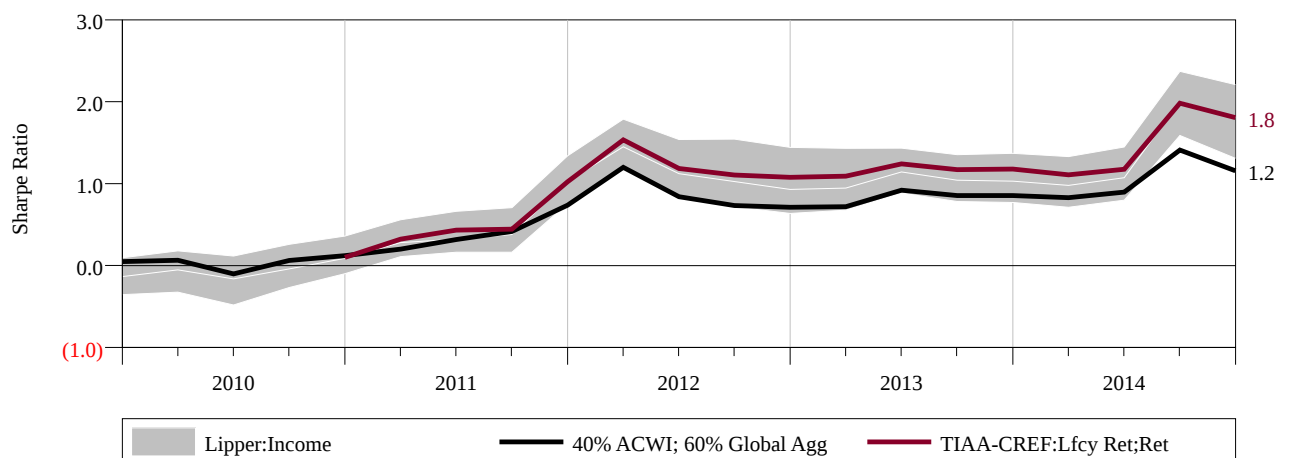


Rolling 12 Quarter Standard Deviation Comparison Chart

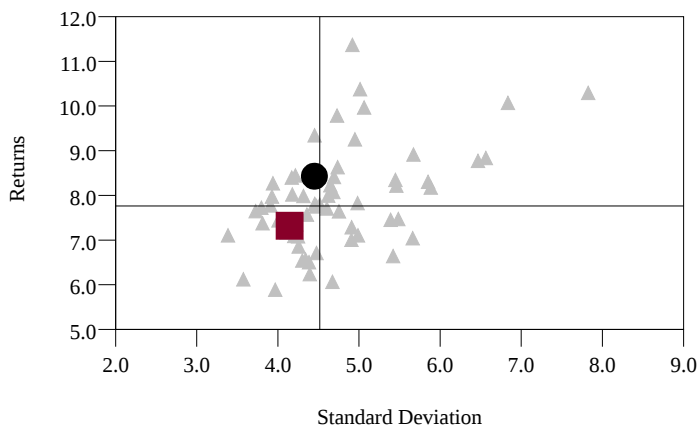


Risk Adjusted Statistics for 3 Years

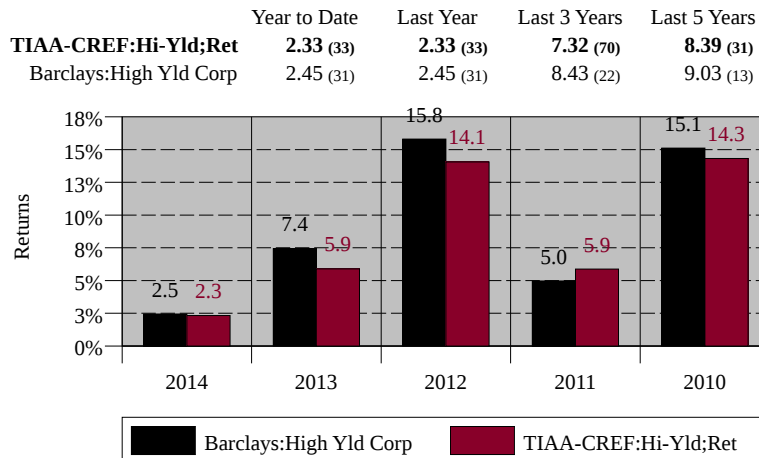
|                               | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|-------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>TIAA-CREF:Lfcy Ret;Ret</b> | <b>3.27 (45)</b> | <b>1.81 (50)</b> | <b>10.42 (57)</b> | <b>1.85 (35)</b>  | <b>2.08 (33)</b> |
| 40% ACWI; 60% Global Agg      | 0.00 (97)        | 1.16 (94)        | 6.16 (97)         | 0.00 (97)         | --               |



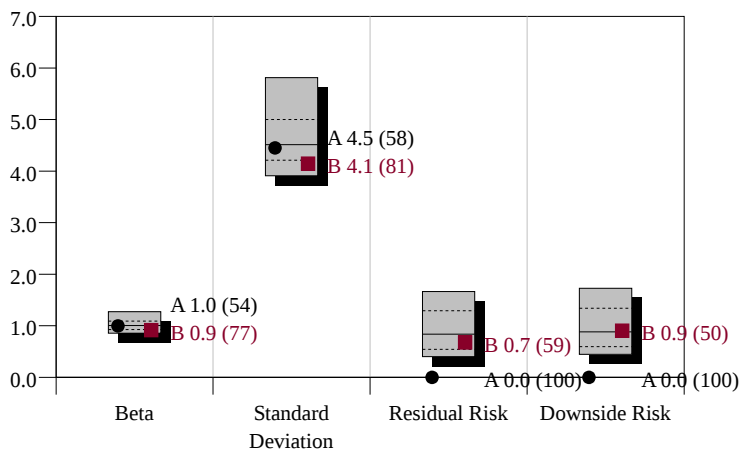
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


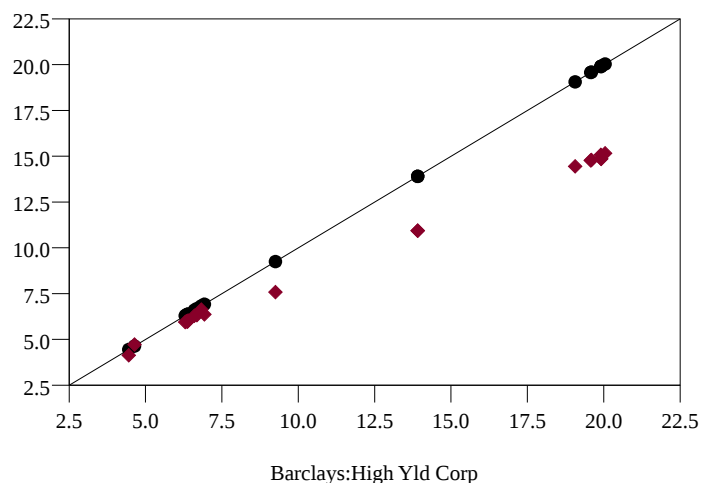
Returns for Various Periods



Risk Statistics for 3 Years



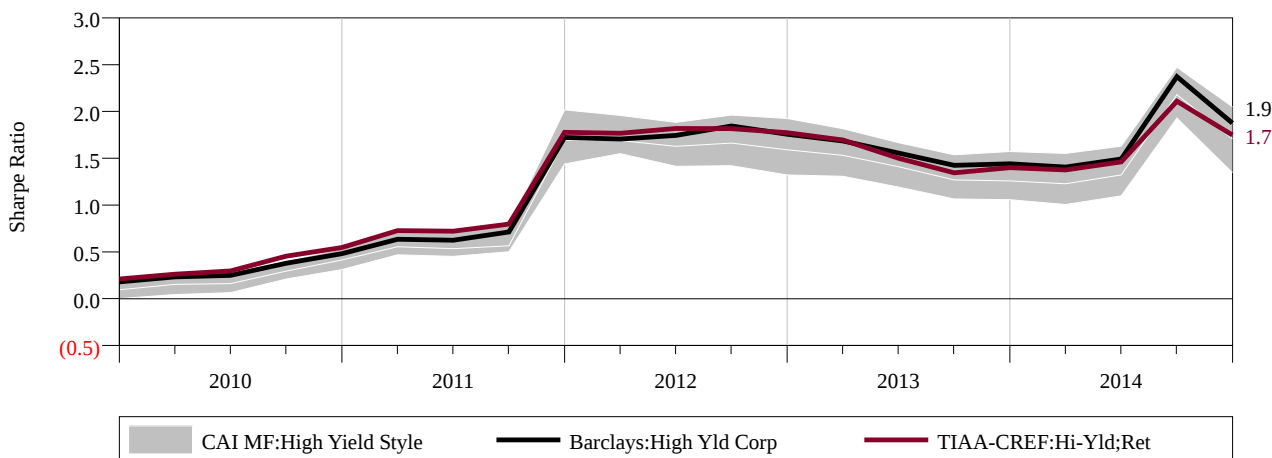
Rolling 12 Quarter Standard Deviation Comparison Chart



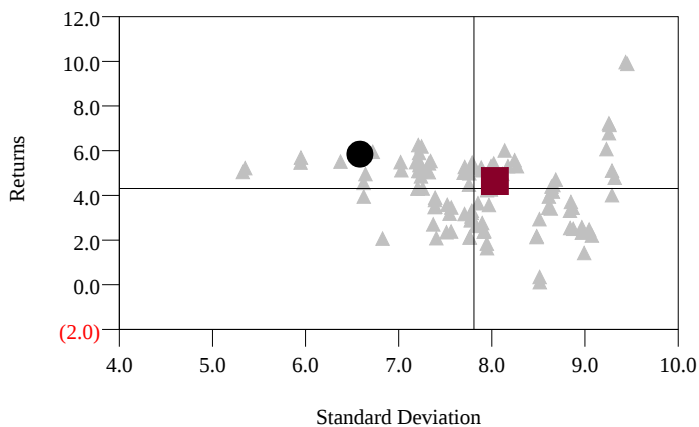
Risk Adjusted Statistics for 3 Years

|                             |                    |                  |                  |                    |                    |
|-----------------------------|--------------------|------------------|------------------|--------------------|--------------------|
|                             | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio      |
| <b>TIAA-CREF:Hi-Yld;Ret</b> | <b>(0.39) (35)</b> | <b>1.75 (36)</b> | <b>7.89 (35)</b> | <b>(0.58) (36)</b> | <b>(1.22) (70)</b> |
| Barclays:High Yld Corp      | 0.00 (27)          | 1.88 (25)        | 8.36 (27)        | 0.00 (27)          | --                 |

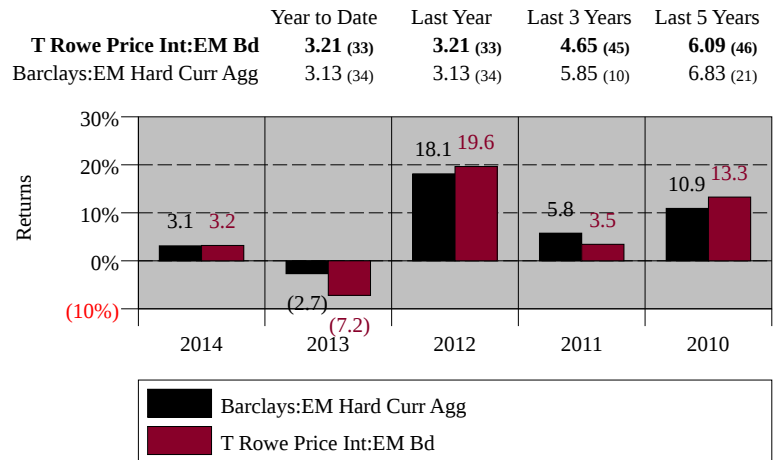
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



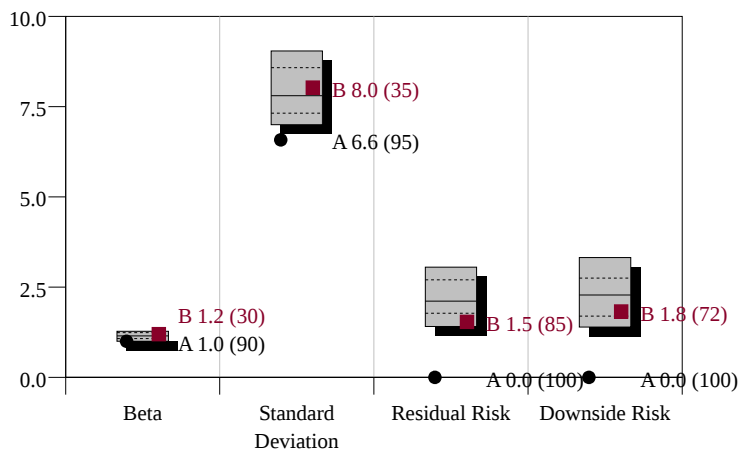
Scatter Chart  
for 3 Years Ended December 31, 2014



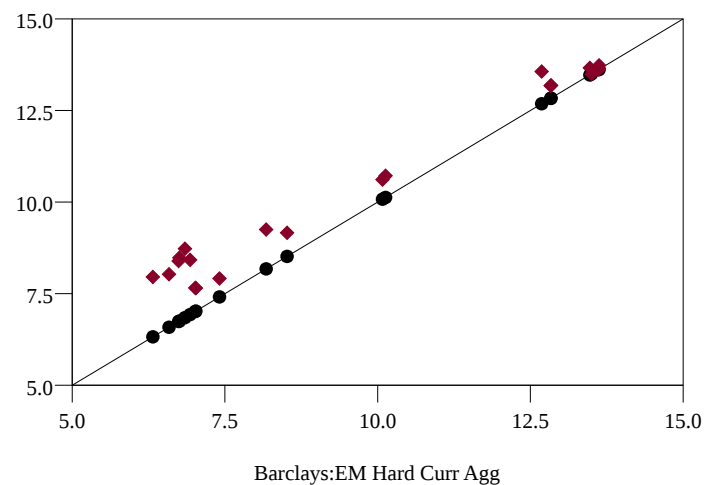
Returns for Various Periods



Risk Statistics for 3 Years



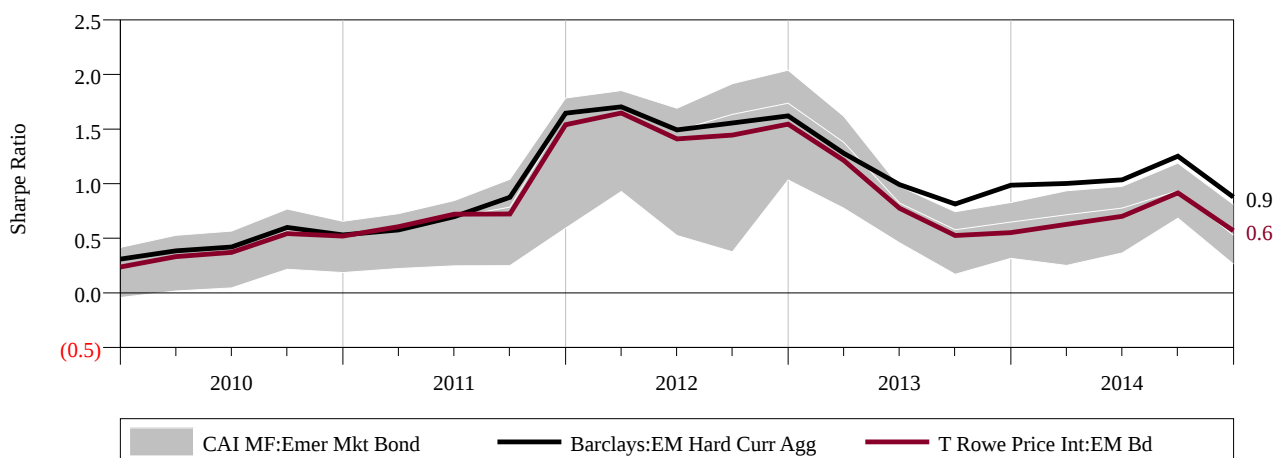
Rolling 12 Quarter Standard Deviation Comparison Chart



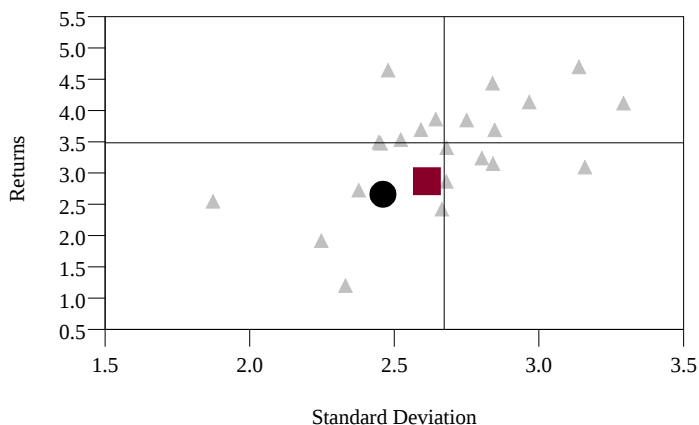
Risk Adjusted Statistics for 3 Years

|                               | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio      |
|-------------------------------|--------------------|------------------|------------------|--------------------|--------------------|
| <b>T Rowe Price Int:EM Bd</b> | <b>(2.19) (50)</b> | <b>0.57 (47)</b> | <b>3.82 (49)</b> | <b>(1.42) (62)</b> | <b>(0.65) (48)</b> |
| Barclays:EM Hard Curr Agg     | 0.00 (9)           | 0.88 (6)         | 5.78 (9)         | 0.00 (9)           | --                 |

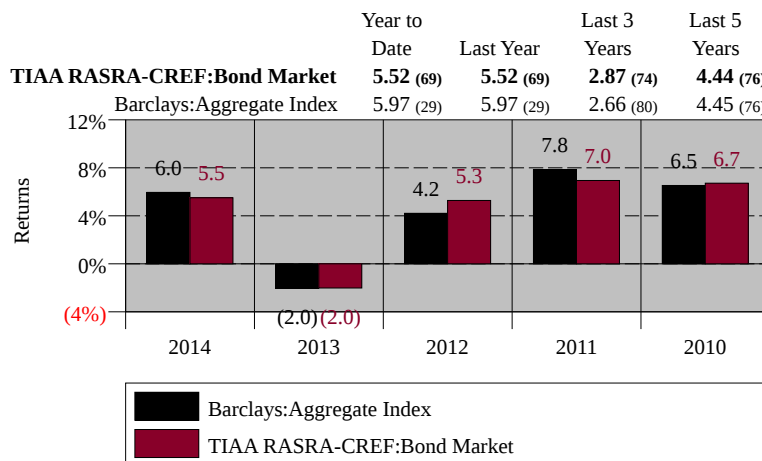
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



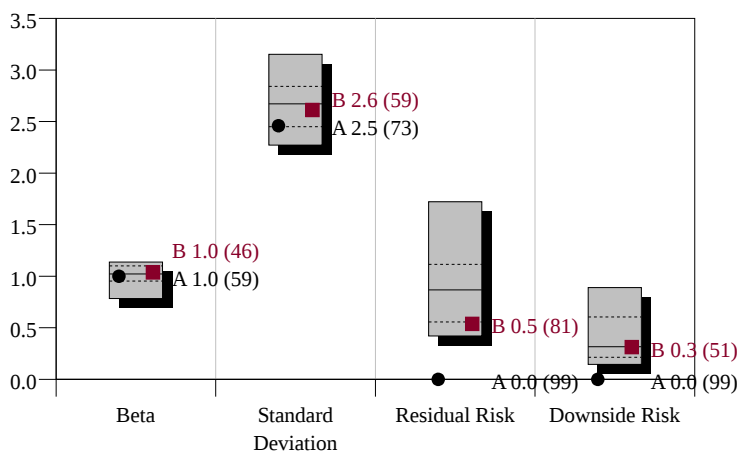
Scatter Chart  
for 3 Years Ended December 31, 2014



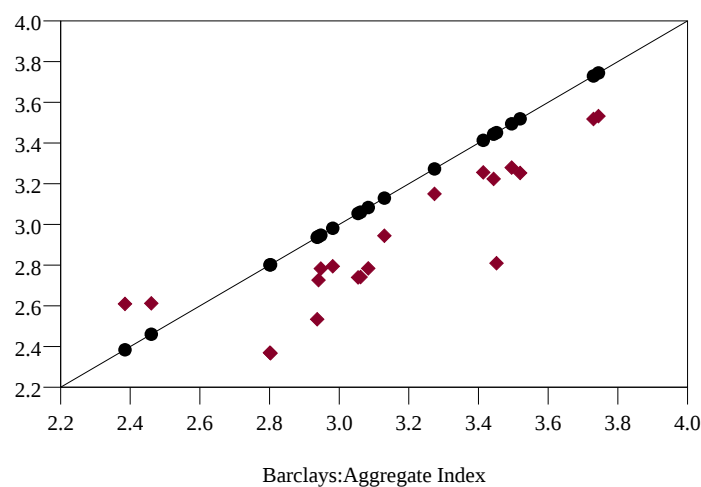
Returns for Various Periods



Risk Statistics for 3 Years

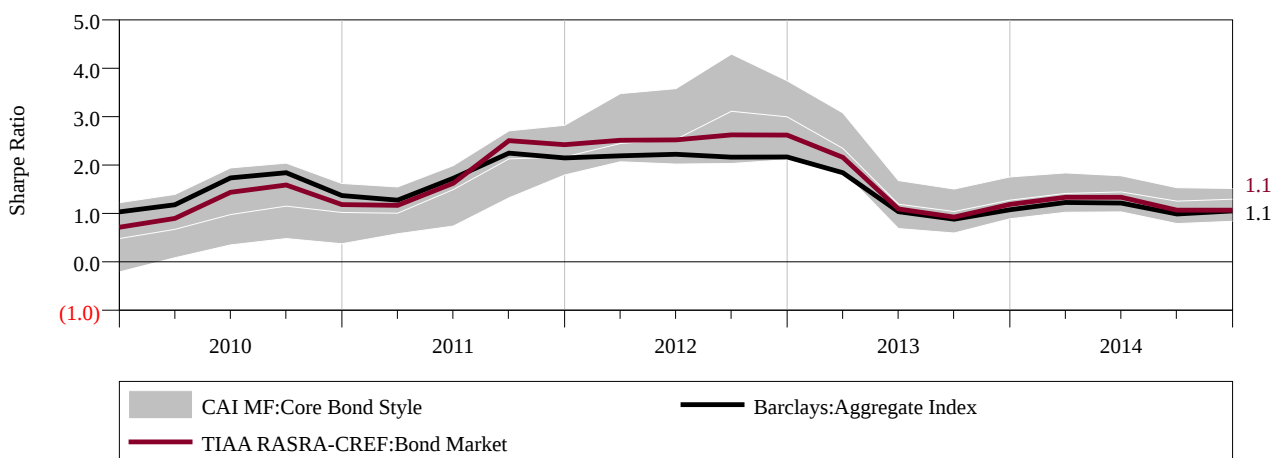


Rolling 12 Quarter Standard Deviation Comparison Chart



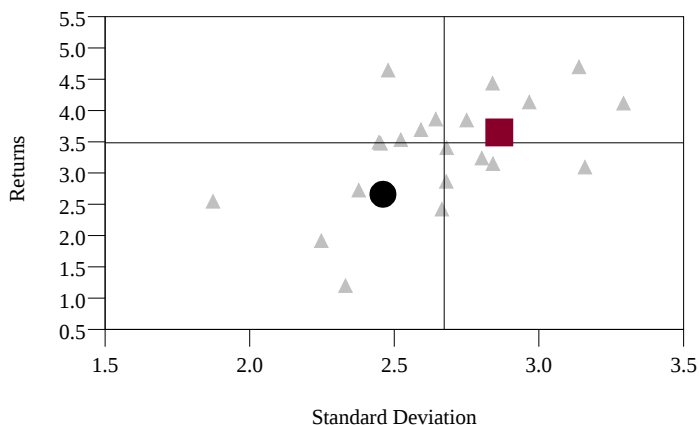
Risk Adjusted Statistics for 3 Years

|                                    | Alpha     | Sharpe Ratio | Treynor Ratio | Information Ratio | Sortino Ratio |
|------------------------------------|-----------|--------------|---------------|-------------------|---------------|
| <b>TIAA RASRA-CREF:Bond Market</b> | 0.11 (77) | 1.07 (75)    | 2.69 (77)     | 0.21 (76)         | 0.67 (69)     |
| Barclays:Aggregate Index           | 0.00 (83) | 1.05 (77)    | 2.59 (83)     | 0.00 (83)         | --            |



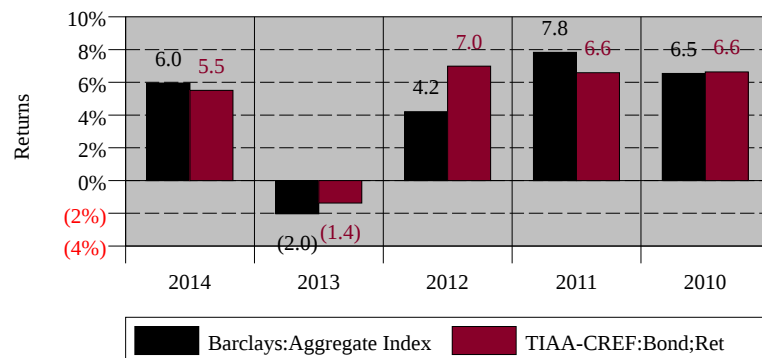
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

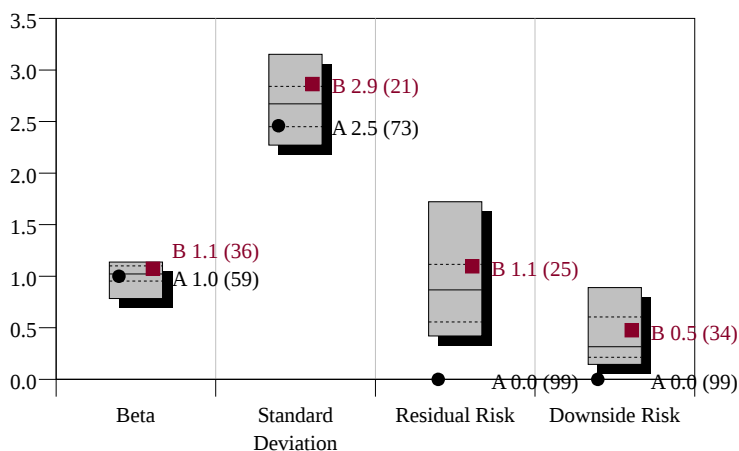


Returns for Various Periods

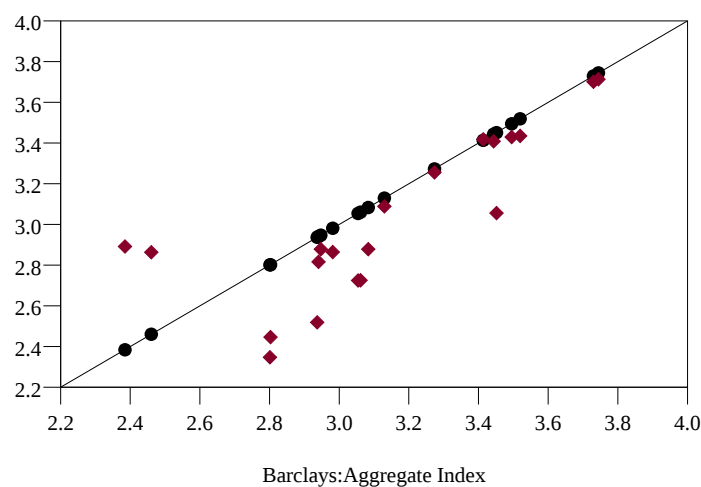
|                           | Year to Date     | Last Year        | Last 3 Years     | Last 5 Years     |
|---------------------------|------------------|------------------|------------------|------------------|
| <b>TIAA-CREF:Bond;Ret</b> | <b>5.52 (69)</b> | <b>5.52 (69)</b> | <b>3.65 (40)</b> | <b>4.83 (61)</b> |
| Barclays:Aggregate Index  | 5.97 (29)        | 5.97 (29)        | 2.66 (80)        | 4.45 (76)        |



Risk Statistics for 3 Years



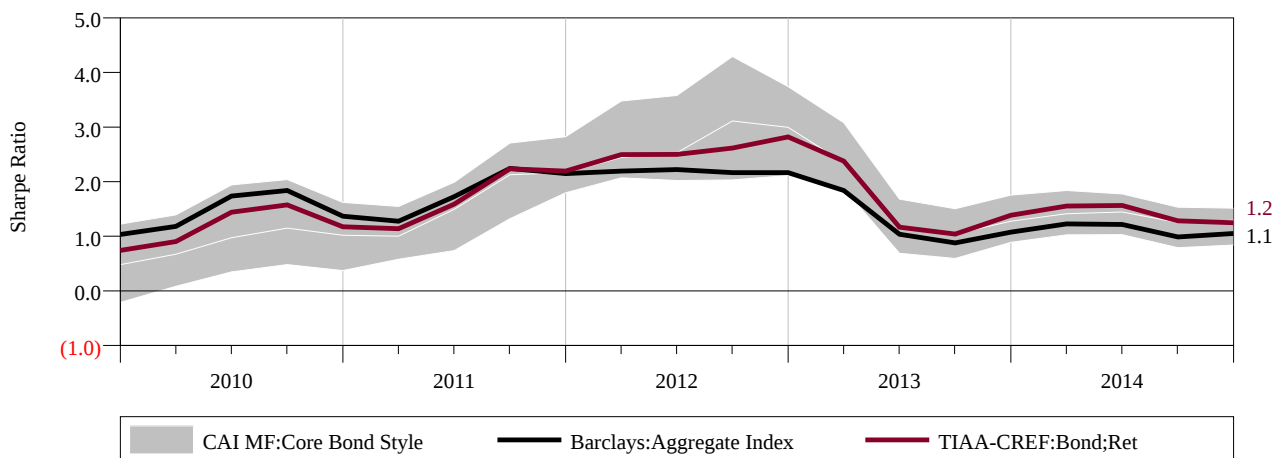
Rolling 12 Quarter Standard Deviation Comparison Chart



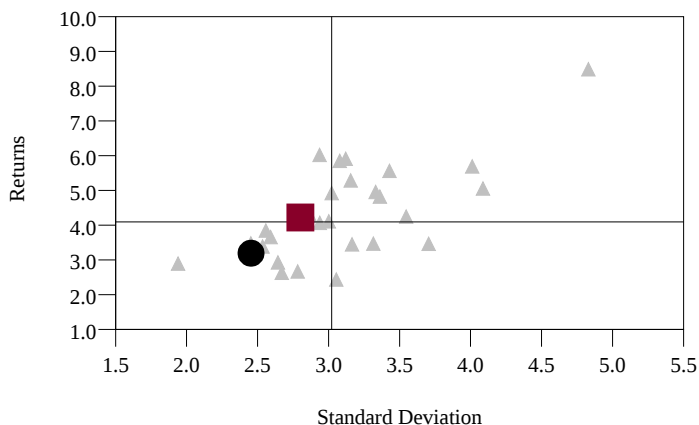
Risk Adjusted Statistics for 3 Years

|                           | Alpha            | Sharpe Ratio     | Treynor Ratio    | Information Ratio | Sortino Ratio    |
|---------------------------|------------------|------------------|------------------|-------------------|------------------|
| <b>TIAA-CREF:Bond;Ret</b> | <b>0.79 (55)</b> | <b>1.25 (56)</b> | <b>3.33 (55)</b> | <b>0.72 (57)</b>  | <b>2.07 (52)</b> |
| Barclays:Aggregate Index  | 0.00 (83)        | 1.05 (77)        | 2.59 (83)        | 0.00 (83)         | --               |

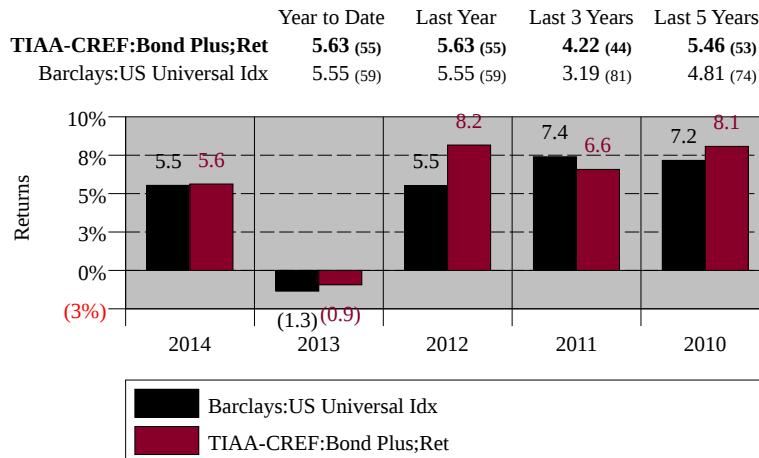
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



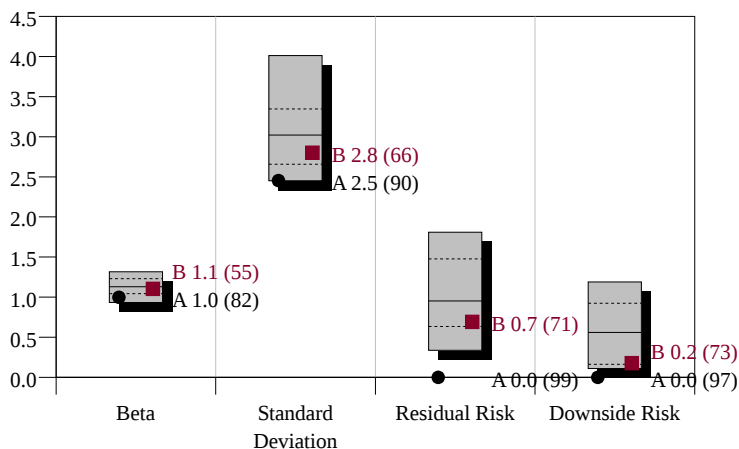
Scatter Chart  
for 3 Years Ended December 31, 2014



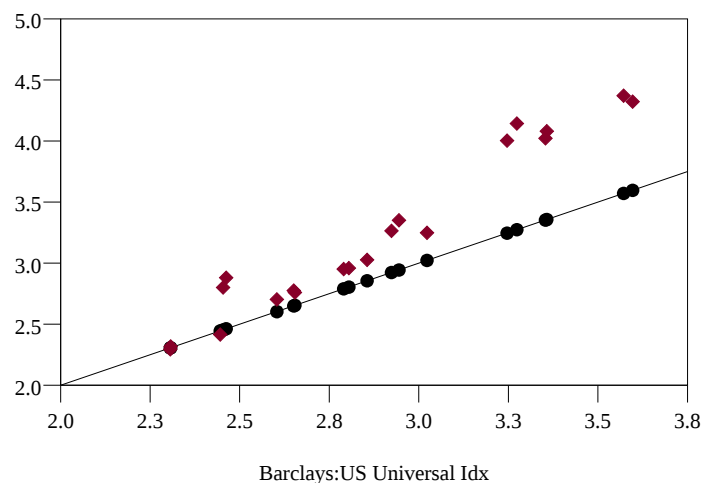
Returns for Various Periods



Risk Statistics for 3 Years



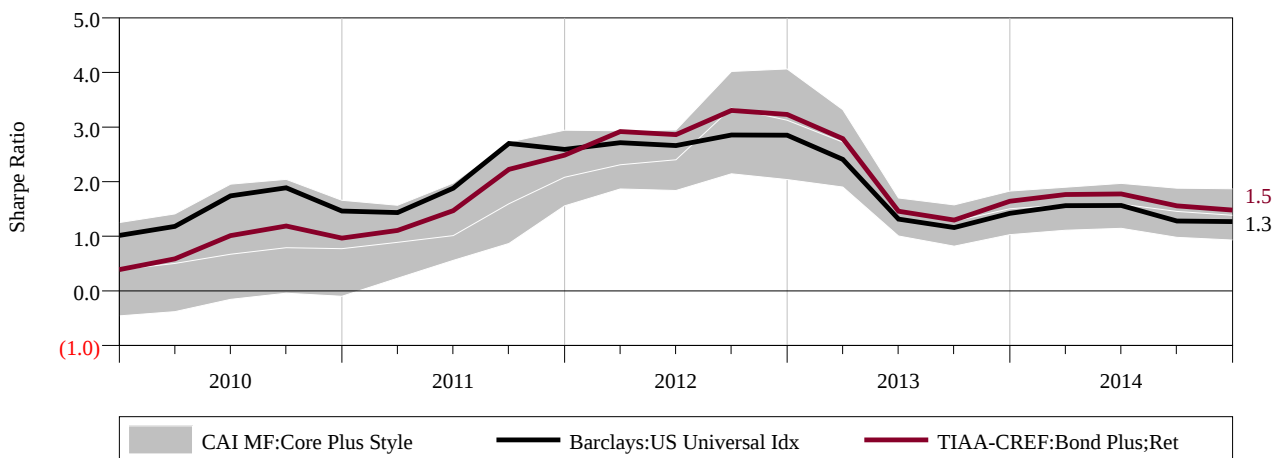
Rolling 12 Quarter Standard Deviation Comparison Chart



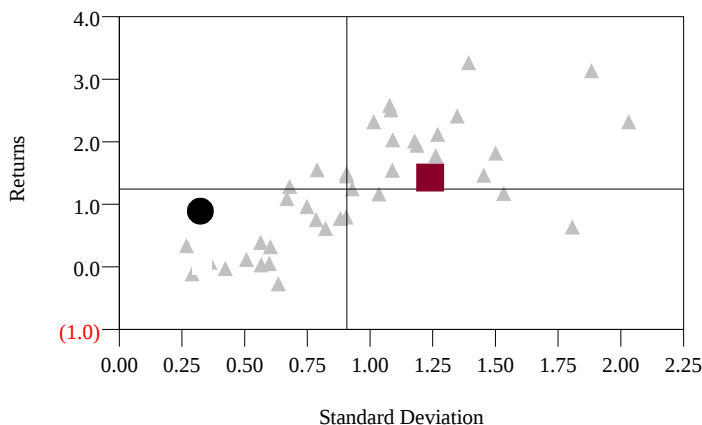
Risk Adjusted Statistics for 3 Years

|                                | Alpha            | Sharpe Ratio     | Treynor Ratio    | Information Ratio | Sortino Ratio    |
|--------------------------------|------------------|------------------|------------------|-------------------|------------------|
| <b>TIAA-CREF:Bond Plus;Ret</b> | <b>0.68</b> (49) | <b>1.48</b> (27) | <b>3.75</b> (46) | <b>0.98</b> (23)  | <b>5.74</b> (16) |
| Barclays:US Universal Idx      | 0.00 (74)        | 1.27 (68)        | 3.12 (74)        | 0.00 (74)         | --               |

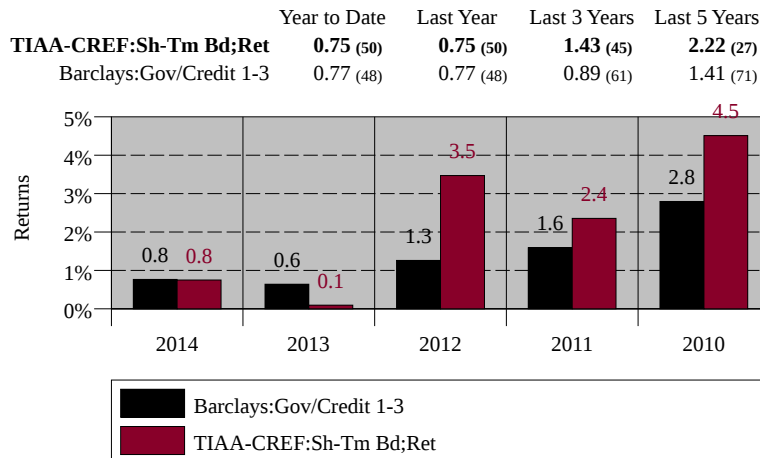
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.



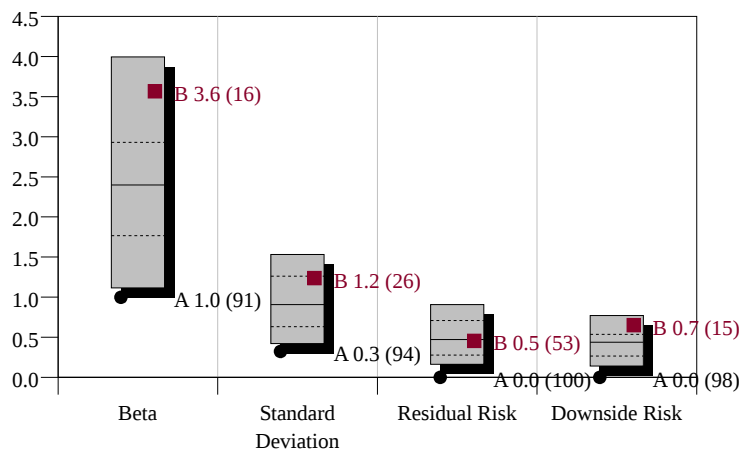
Scatter Chart  
for 3 Years Ended December 31, 2014



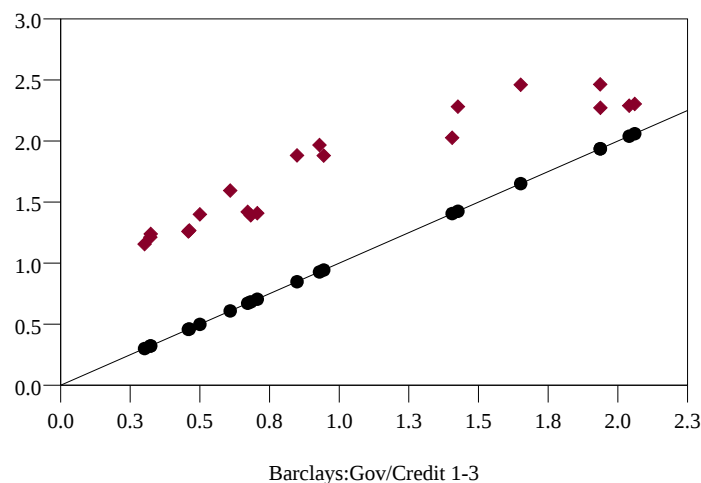
Returns for Various Periods



Risk Statistics for 3 Years

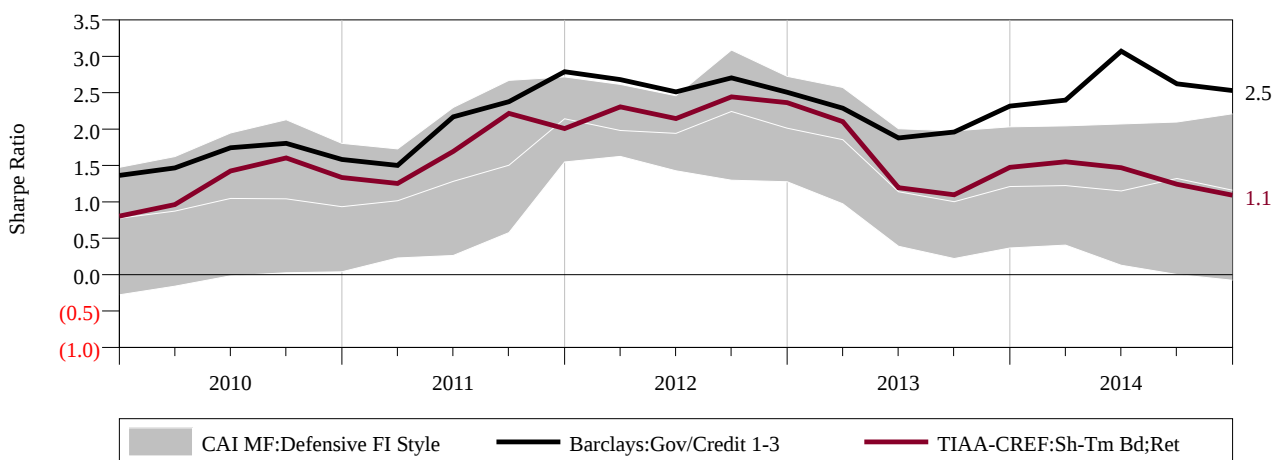


Rolling 12 Quarter Standard Deviation Comparison Chart



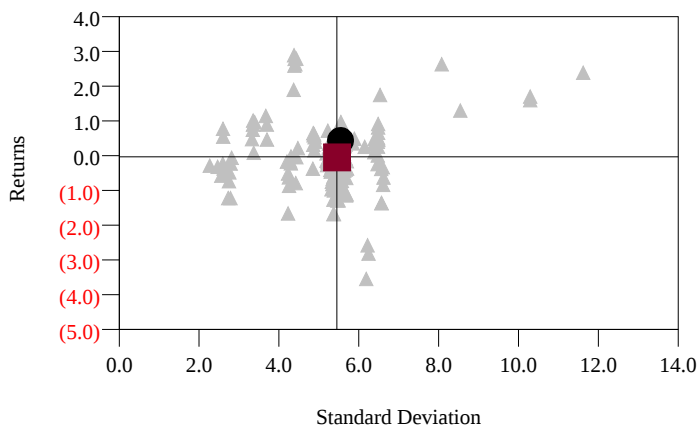
Risk Adjusted Statistics for 3 Years

|                               | Alpha              | Sharpe Ratio     | Treynor Ratio    | Information Ratio  | Sortino Ratio    |
|-------------------------------|--------------------|------------------|------------------|--------------------|------------------|
| <b>TIAA-CREF:Sh-Tm Bd;Ret</b> | <b>(1.55) (88)</b> | <b>1.09 (53)</b> | <b>0.38 (54)</b> | <b>(3.38) (79)</b> | <b>0.82 (51)</b> |
| Barclays:Gov/Credit 1-3       | 0.00 (10)          | 2.53 (1)         | 0.82 (10)        | 0.00 (10)          | --               |



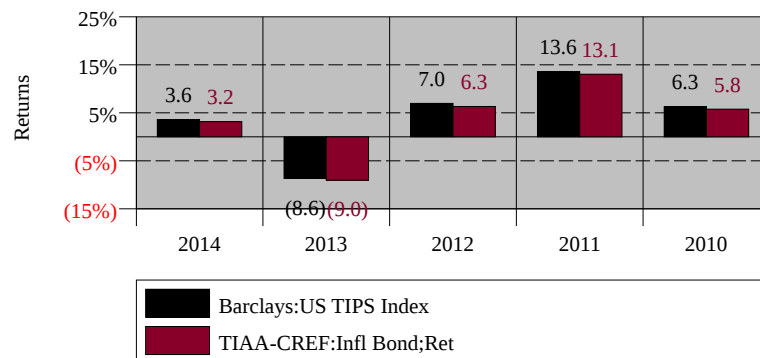
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

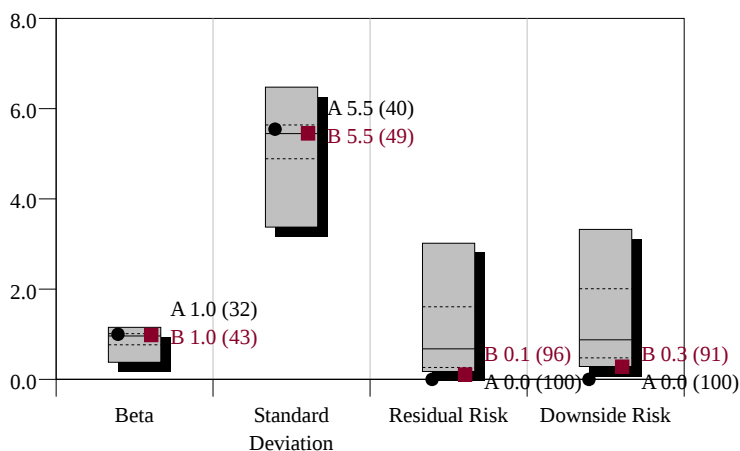


Returns for Various Periods

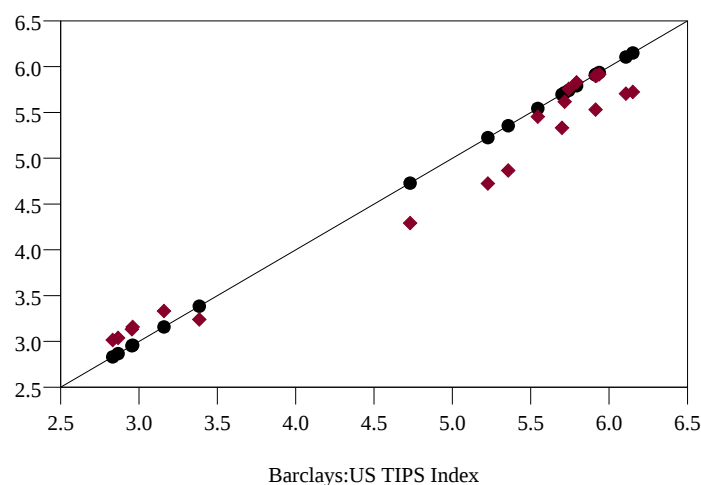
|                                | Year to Date     | Last Year        | Last 3 Years       | Last 5 Years     |
|--------------------------------|------------------|------------------|--------------------|------------------|
| <b>TIAA-CREF:Infl Bond;Ret</b> | <b>3.20 (19)</b> | <b>3.20 (19)</b> | <b>(0.05) (52)</b> | <b>3.62 (35)</b> |
| Barclays:US TIPS Index         | 3.64 (7)         | 3.64 (7)         | 0.44 (24)          | 4.11 (6)         |



Risk Statistics for 3 Years

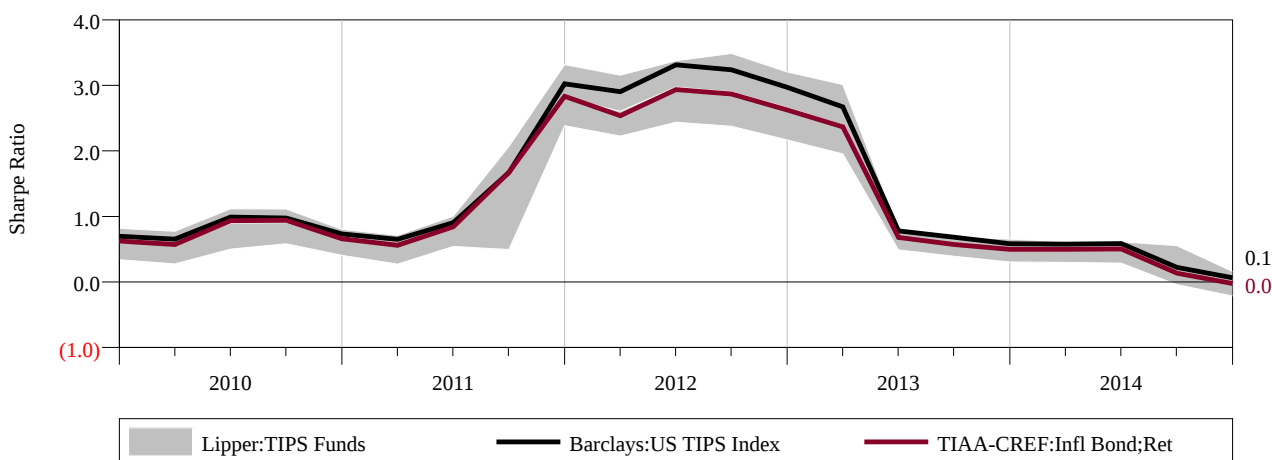


Rolling 12 Quarter Standard Deviation Comparison Chart

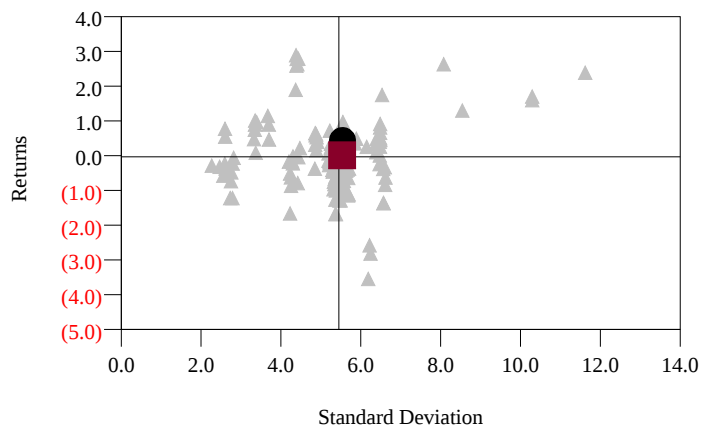


Risk Adjusted Statistics for 3 Years

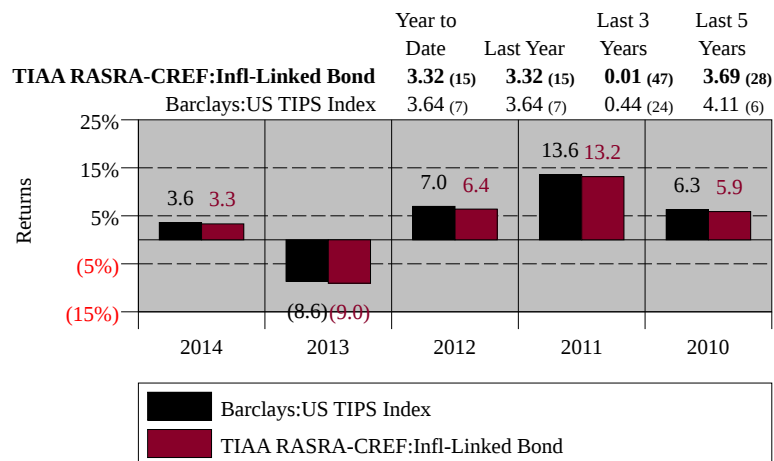
|                                | Alpha              | Sharpe Ratio       | Treynor Ratio      | Information Ratio  | Sortino Ratio      |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>TIAA-CREF:Infl Bond;Ret</b> | <b>(0.48) (53)</b> | <b>(0.02) (51)</b> | <b>(0.12) (51)</b> | <b>(4.52) (90)</b> | <b>(1.73) (89)</b> |
| Barclays:US TIPS Index         | 0.00 (24)          | 0.07 (23)          | 0.37 (23)          | 0.00 (24)          | --                 |



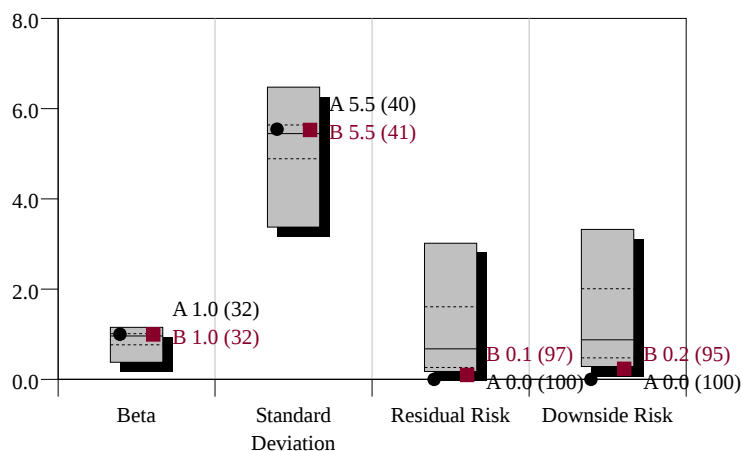
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014


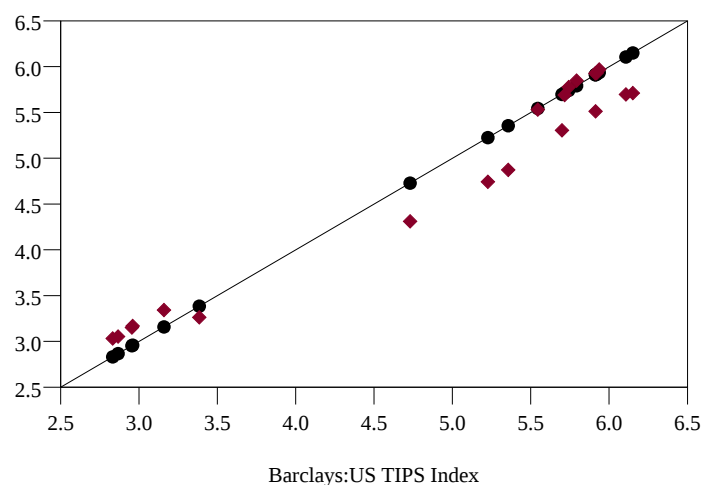
Returns for Various Periods



Risk Statistics for 3 Years

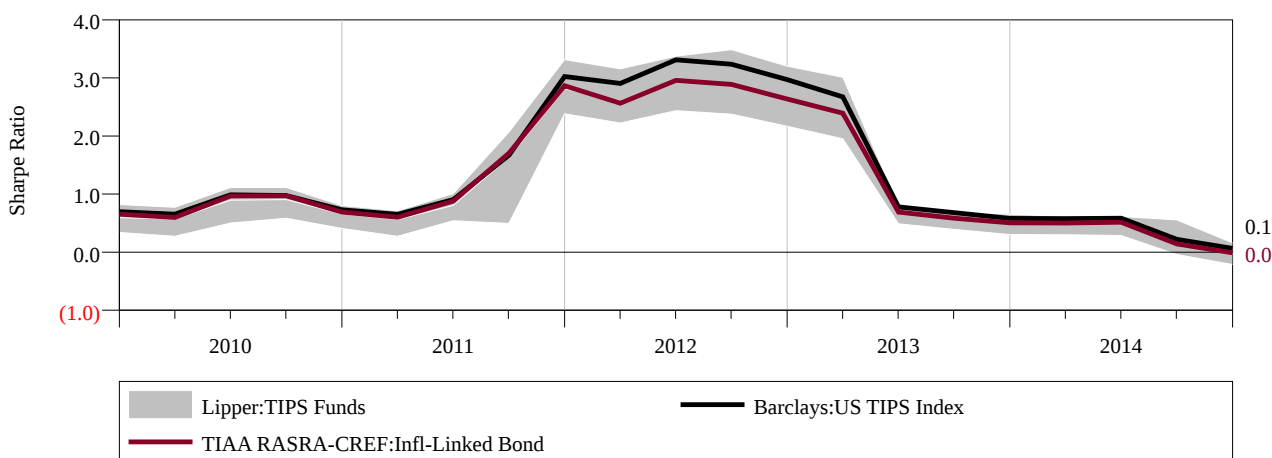


Rolling 12 Quarter Standard Deviation Comparison Chart



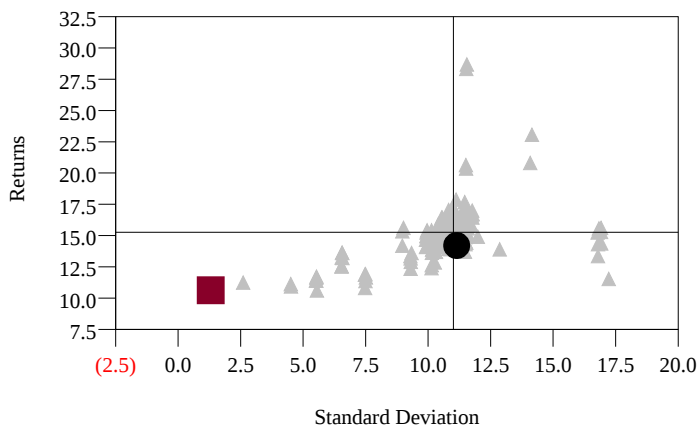
Risk Adjusted Statistics for 3 Years

|                                         | Alpha       | Sharpe Ratio | Treynor Ratio | Information Ratio | Sortino Ratio |
|-----------------------------------------|-------------|--------------|---------------|-------------------|---------------|
| <b>TIAA RASRA-CREF:Infl-Linked Bond</b> | (0.43) (50) | (0.01) (48)  | (0.06) (48)   | (4.25) (89)       | (1.81) (91)   |
| Barclays:US TIPS Index                  | 0.00 (24)   | 0.07 (23)    | 0.37 (23)     | 0.00 (24)         | --            |

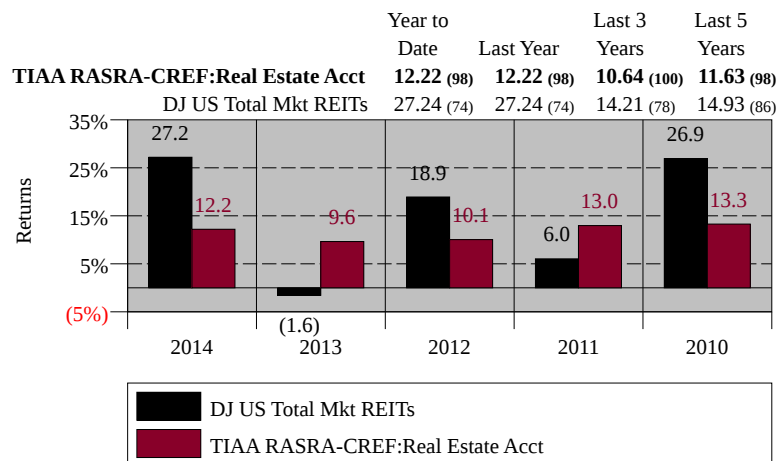


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

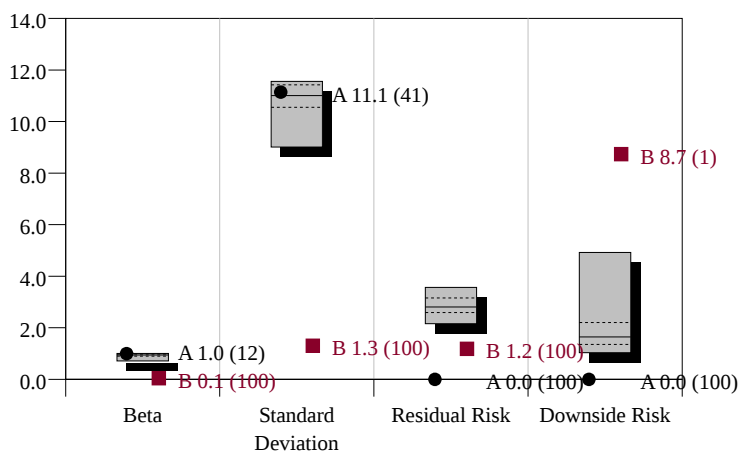
Scatter Chart  
for 3 Years Ended December 31, 2014



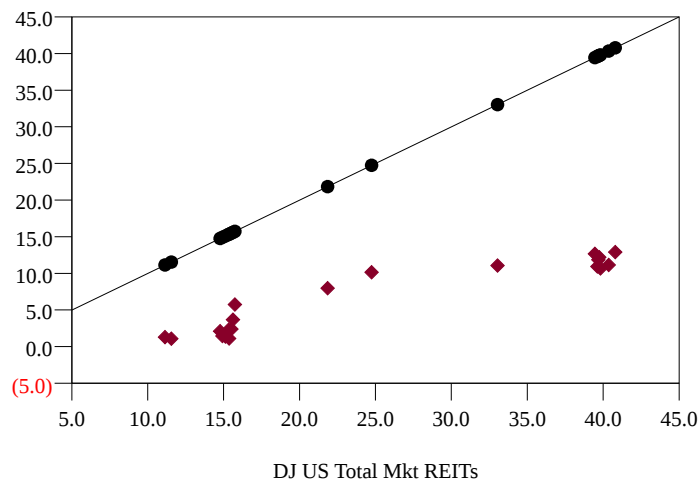
Returns for Various Periods



Risk Statistics for 3 Years

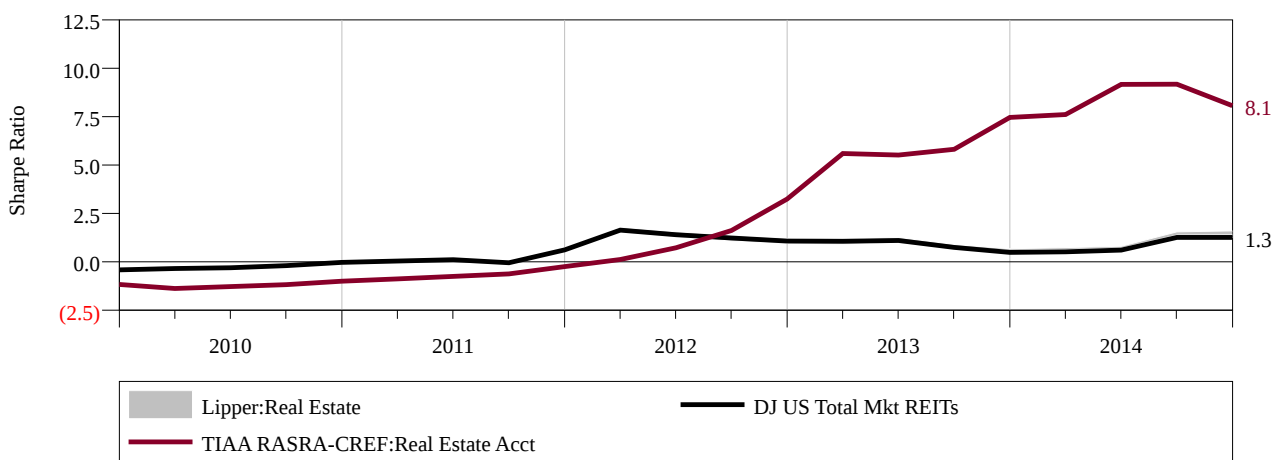


Rolling 12 Quarter Standard Deviation Comparison Chart



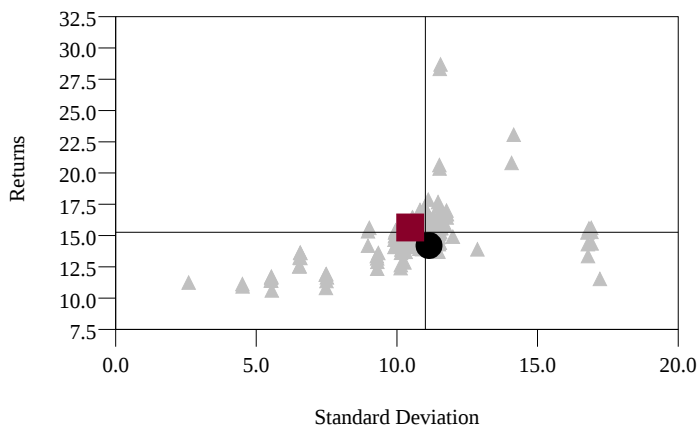
Risk Adjusted Statistics for 3 Years

|                                  | Alpha     | Sharpe Ratio | Treynor Ratio | Information Ratio | Sortino Ratio |
|----------------------------------|-----------|--------------|---------------|-------------------|---------------|
| TIAA RASRA-CREF:Real Estate Acct | 9.78 (2)  | 8.07 (1)     | 202.85 (1)    | 8.25 (1)          | (0.41) (92)   |
| DJ US Total Mkt REITs            | 0.00 (95) | 1.27 (90)    | 14.13 (95)    | 0.00 (95)         | --            |

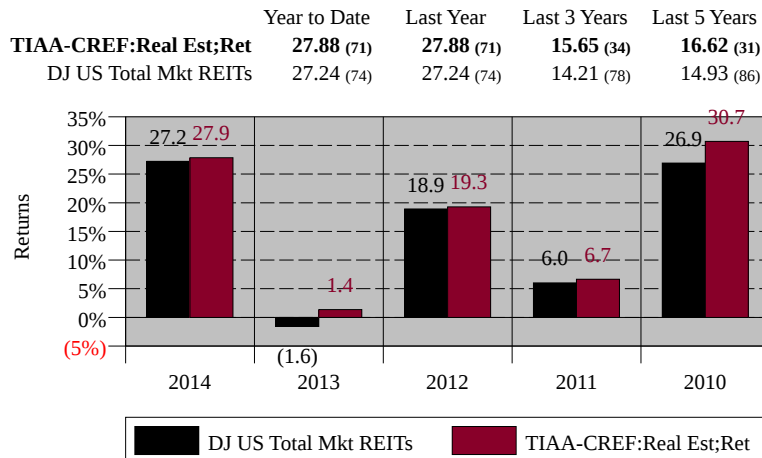


Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

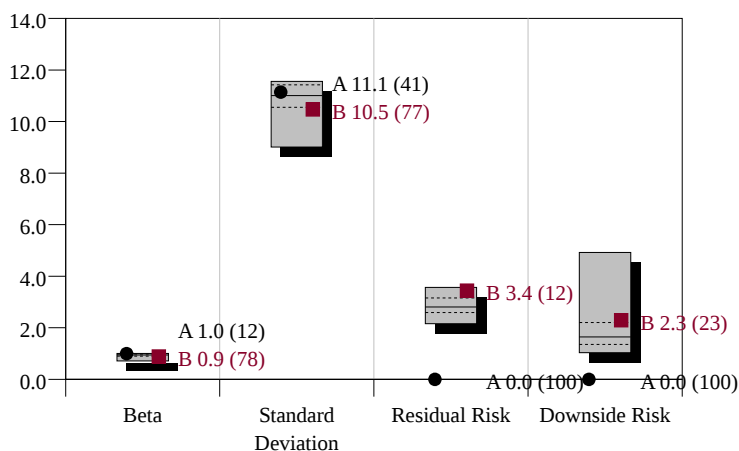
Scatter Chart  
for 3 Years Ended December 31, 2014



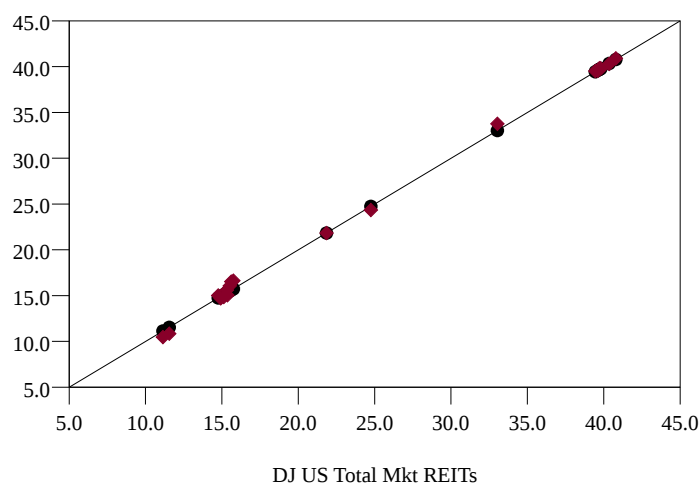
Returns for Various Periods



Risk Statistics for 3 Years

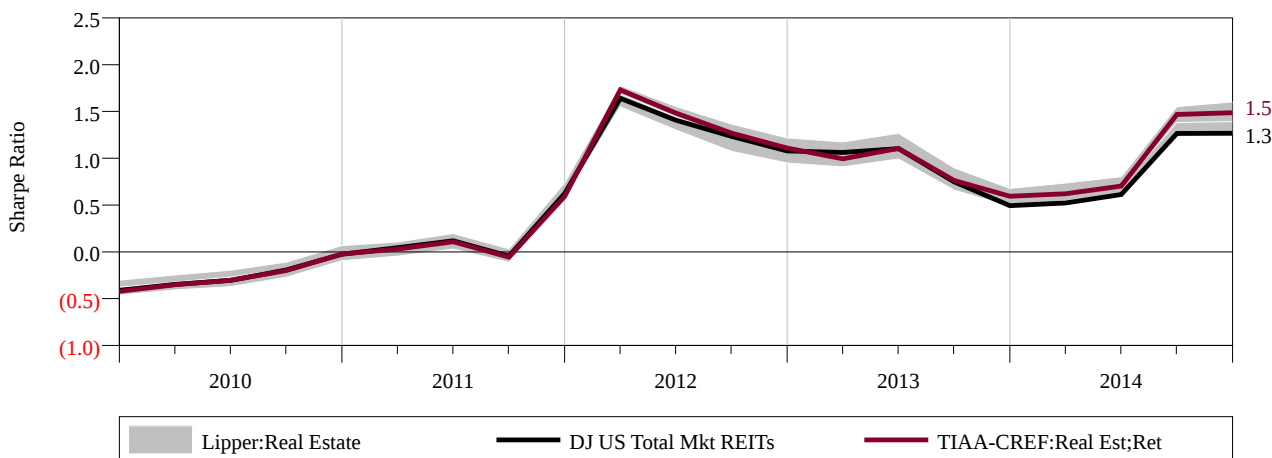


Rolling 12 Quarter Standard Deviation Comparison Chart



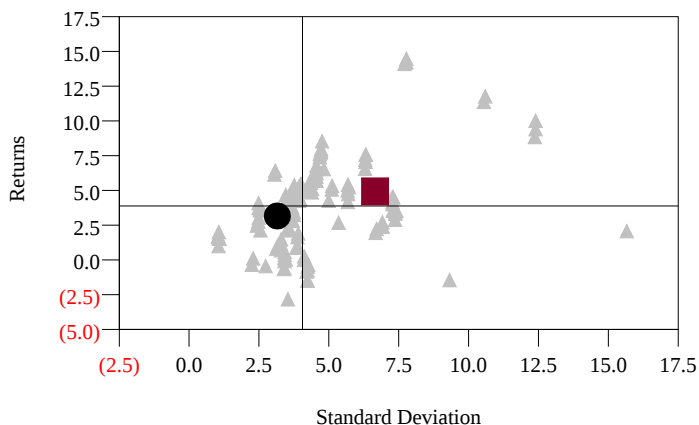
Risk Adjusted Statistics for 3 Years

|                               | Alpha            | Sharpe Ratio     | Treynor Ratio     | Information Ratio | Sortino Ratio    |
|-------------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>TIAA-CREF:Real Est;Ret</b> | <b>2.83</b> (19) | <b>1.49</b> (23) | <b>17.55</b> (20) | <b>0.82</b> (31)  | <b>0.63</b> (49) |
| DJ US Total Mkt REITs         | 0.00 (95)        | 1.27 (90)        | 14.13 (95)        | 0.00 (95)         | --               |



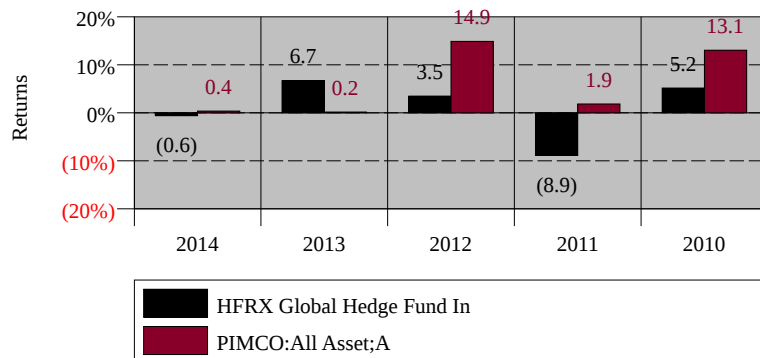
Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.

Scatter Chart  
for 3 Years Ended December 31, 2014

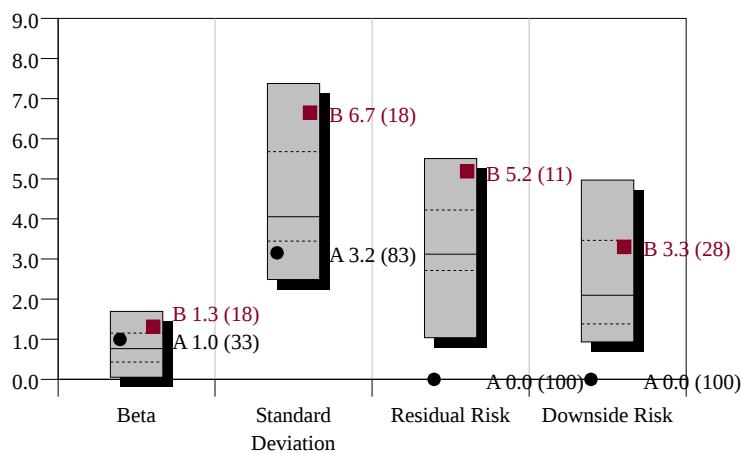


Returns for Various Periods

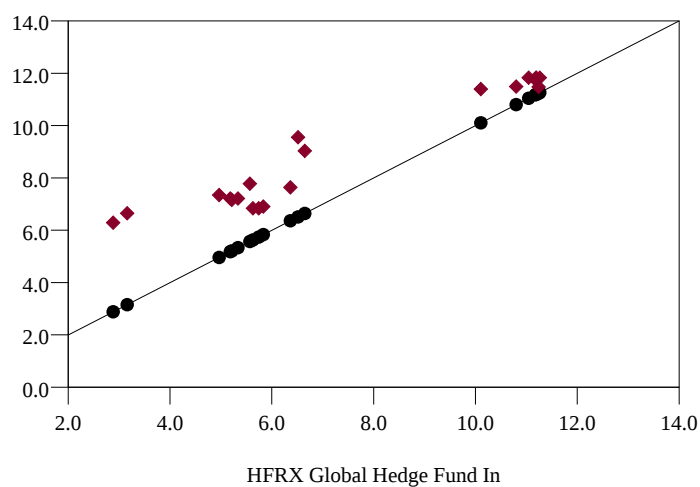
|                           | Year to Date       | Last Year          | Last 3 Years     | Last 5 Years    |
|---------------------------|--------------------|--------------------|------------------|-----------------|
| <b>PIMCO:All Asset;A</b>  | <b>0.38</b> (72)   | <b>0.38</b> (72)   | <b>4.94</b> (34) | <b>5.88</b> (6) |
| HFRX Global Hedge Fund In | <b>(0.58)</b> (78) | <b>(0.58)</b> (78) | 3.17 (59)        | 1.04 (71)       |



Risk Statistics for 3 Years



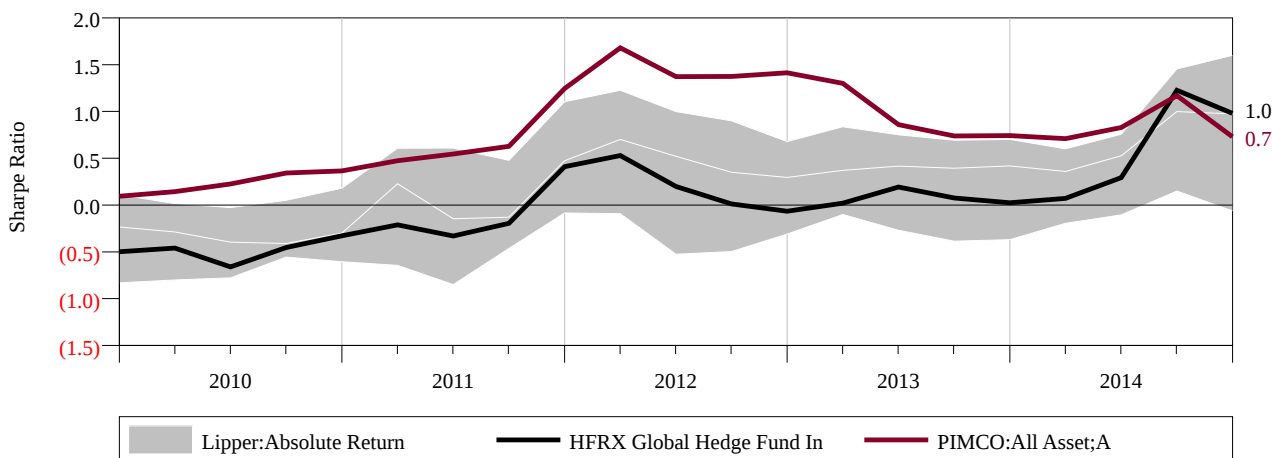
Rolling 12 Quarter Standard Deviation Comparison Chart



Risk Adjusted Statistics for 3 Years

|                           | Alpha            | Sharpe Ratio     | Treynor Ratio    | Information Ratio | Sortino Ratio    |
|---------------------------|------------------|------------------|------------------|-------------------|------------------|
| <b>PIMCO:All Asset;A</b>  | <b>0.91</b> (54) | <b>0.73</b> (62) | <b>3.70</b> (65) | <b>0.17</b> (65)  | <b>0.53</b> (48) |
| HFRX Global Hedge Fund In | 0.00 (72)        | 0.98 (50)        | 3.10 (73)        | 0.00 (72)         | --               |

Sharpe Ratio is a measure of the risk-adjusted return of a portfolio. The ratio represents the return gained per unit of risk taken.





## **Section IV**

### **TIAA-CREF Reports**



Financial Services

# Investment Fee & Expense Disclosure

JUNIATA COLLEGE

Activity for the Reporting Period: 10/01/2014 to 12/31/2014

| FUND NAME                                 | FUND ID | TICKER | ASSET CLASS  | ASSETS AS OF 12/31/2014 | AVERAGE ASSETS FOR THE REPORTING PERIOD | NET EXPENSE RATIO <sup>1</sup> |             | PLAN SERVICES EXPENSE <sup>1</sup> |             |
|-------------------------------------------|---------|--------|--------------|-------------------------|-----------------------------------------|--------------------------------|-------------|------------------------------------|-------------|
|                                           |         |        |              |                         |                                         | (%)                            | (\$)        | (%)                                | (\$)        |
| CREF Stock                                | X2      | QCSTRX | Equities     | \$24,848,747.34         | \$25,013,540.11                         | 0.455%                         | \$28,452.90 | 0.240%                             | \$15,008.12 |
| CREF Growth                               | X7      | QCGRRX | Equities     | \$4,315,471.59          | \$4,328,587.34                          | 0.415%                         | \$4,490.91  | 0.240%                             | \$2,597.15  |
| CREF Global Equities                      | X6      | QCGLRX | Equities     | \$3,416,212.66          | \$3,476,726.60                          | 0.465%                         | \$4,041.69  | 0.240%                             | \$2,086.04  |
| CREF Equity Index                         | X8      | QCEQRX | Equities     | \$2,811,133.67          | \$2,806,655.01                          | 0.391%                         | \$2,743.51  | 0.240%                             | \$1,683.99  |
| TIAA-CREF Mid-Cap Val-Rtmt                | XJ      | TRVRX  | Equities     | \$1,524,874.53          | \$1,502,700.08                          | 0.700%                         | \$2,629.73  | 0.250%                             | \$939.19    |
| TIAA-CREF Lg-Cap Val-Rtmt                 | XE      | TRLCX  | Equities     | \$1,003,530.03          | \$988,910.42                            | 0.700%                         | \$1,730.59  | 0.250%                             | \$618.07    |
| TIAA-CREF Sm-Cap Eq-Rtmt <sup>5</sup>     | XN      | TRSEX  | Equities     | \$842,988.40            | \$828,758.72                            | 0.800%                         | \$1,657.52  | 0.250%                             | \$517.97    |
| TIAA-CREF Intl Eq Idx-Rtmt <sup>5</sup>   | XC      | TRIEX  | Equities     | \$711,594.45            | \$726,170.20                            | 0.320%                         | \$580.94    | 0.250%                             | \$453.86    |
| TIAA-CREF Intl Eq-Rtmt <sup>5</sup>       | XB      | TRERX  | Equities     | \$505,226.58            | \$512,449.60                            | 0.760%                         | \$973.65    | 0.250%                             | \$320.28    |
| TIAA-CREF Gr & Inc-Rtmt                   | XA      | TRGIX  | Equities     | \$498,731.20            | \$489,348.18                            | 0.700%                         | \$856.36    | 0.250%                             | \$305.84    |
| TIAA-CREF Eq Index-Rtmt                   | XV      | TIQRX  | Equities     | \$474,814.66            | \$467,139.16                            | 0.320%                         | \$373.71    | 0.250%                             | \$291.96    |
| AF EuroPacific Growth Fund R4             | BI      | REREX  | Equities     | \$435,378.15            | \$441,207.04                            | 0.840%                         | \$926.53    | 0.350%                             | \$386.06    |
| TIAA-CREF Social Ch Eq-Rtmt               | XQ      | TRSCX  | Equities     | \$403,638.65            | \$400,287.62                            | 0.430%                         | \$430.31    | 0.250%                             | \$250.18    |
| TIAA-CREF Real Est Secs-Rtmt              | XL      | TRRSX  | Equities     | \$382,651.11            | \$372,971.22                            | 0.770%                         | \$717.97    | 0.250%                             | \$233.11    |
| TIAA-CREF Sm-Cap BI Idx-Rtmt <sup>5</sup> | XM      | TRBIX  | Equities     | \$261,224.85            | \$244,956.48                            | 0.410%                         | \$251.08    | 0.250%                             | \$153.10    |
| Vanguard Emerg Mkts Stk Id Adm            | AA      | VEMAX  | Equities     | \$252,196.39            | \$260,214.68                            | 0.150%                         | \$97.58     | 0.000%                             | \$0.00      |
| TIAA-CREF Lg-Cap Val Idx-Rtmt             | XF      | TRCVX  | Equities     | \$249,859.22            | \$243,902.01                            | 0.320%                         | \$195.12    | 0.250%                             | \$152.44    |
| TIAA-CREF S&P 500 Idx-Rtmt                | XR      | TRSPX  | Equities     | \$200,781.97            | \$176,776.10                            | 0.310%                         | \$137.00    | 0.250%                             | \$110.49    |
| TIAA-CREF Mid-Cap Gr-Rtmt                 | XH      | TRGMX  | Equities     | \$161,029.64            | \$159,132.45                            | 0.720%                         | \$286.44    | 0.250%                             | \$99.46     |
| TIAA-CREF Lg-Cap Gr Idx-Rtmt              | XD      | TRIRX  | Equities     | \$111,286.61            | \$110,398.85                            | 0.320%                         | \$88.32     | 0.250%                             | \$69.00     |
| TIAA-CREF Lg-Cap Gr-Rtmt                  | XW      | TILRX  | Equities     | \$37,488.02             | \$37,056.84                             | 0.710%                         | \$65.78     | 0.250%                             | \$23.16     |
| Prudential Jennison Small Co Z            | NE      | PSCZX  | Equities     | \$19,128.70             | \$18,598.59                             | 0.840%                         | \$39.06     | 0.250%                             | \$11.62     |
| Victory Sml Company Opp Fund A            | UU      | SSGSX  | Equities     | \$7,041.81              | \$6,282.53                              | 1.350%                         | \$21.20     | 0.500%                             | \$7.85      |
| CREF Bond Market                          | X5      | QCBMRX | Fixed Income | \$3,242,833.92          | \$3,233,169.71                          | 0.450%                         | \$3,637.32  | 0.240%                             | \$1,939.90  |
| CREF Inflation-Linked Bond                | X9      | QCILRX | Fixed Income | \$1,362,915.51          | \$1,379,190.16                          | 0.405%                         | \$1,396.43  | 0.240%                             | \$827.51    |
| TIAA-CREF Bond-Rtmt                       | XT      | TIDRX  | Fixed Income | \$645,825.73            | \$642,515.65                            | 0.570%                         | \$915.58    | 0.250%                             | \$401.57    |
| TIAA-CREF Bond Plus-Rtmt                  | XZ      | TCBRX  | Fixed Income | \$205,350.85            | \$206,299.33                            | 0.580%                         | \$299.13    | 0.250%                             | \$128.94    |
| TIAA-CREF Short-Term Bond-Rtmt            | Y1      | TISRX  | Fixed Income | \$84,918.32             | \$84,883.91                             | 0.530%                         | \$112.47    | 0.250%                             | \$53.05     |
| TIAA-CREF High-Yield-Rtmt <sup>5</sup>    | XY      | TIHRX  | Fixed Income | \$73,645.08             | \$74,073.07                             | 0.620%                         | \$114.81    | 0.250%                             | \$46.30     |
| TIAA-CREF Infl-Lnkd Bond-Rtmt             | XS      | TIKRX  | Fixed Income | \$63,080.32             | \$63,275.51                             | 0.520%                         | \$82.26     | 0.250%                             | \$39.55     |



Financial Services

# Investment Fee & Expense Disclosure

Activity for the Reporting Period: 10/01/2014 to 12/31/2014

| FUND NAME                                   | FUND ID | TICKER | ASSET CLASS  | ASSETS AS OF 12/31/2014 | AVERAGE ASSETS FOR THE REPORTING PERIOD | NET EXPENSE RATIO <sup>1</sup> |                     | PLAN SERVICES EXPENSE <sup>1</sup> |                    |
|---------------------------------------------|---------|--------|--------------|-------------------------|-----------------------------------------|--------------------------------|---------------------|------------------------------------|--------------------|
|                                             |         |        |              |                         |                                         | (%)                            | (\$)                | (%)                                | (\$)               |
| T Rowe Price Emerging Mkts Bnd <sup>9</sup> | PN      | PREMX  | Fixed Income | \$25,342.01             | \$36,549.92                             | 0.940%                         | \$85.89             | 0.150%                             | \$13.71            |
| TIAA Traditional RA <sup>2</sup>            | T1      | TIAA#  | Guaranteed   | \$18,524,193.46         | \$18,521,762.25                         | 0.550%                         | \$25,467.42         | 0.150%                             | \$6,945.66         |
| TIAA Traditional RA MDO <sup>2</sup>        | TL      | TIAA#  | Guaranteed   | \$6,651,031.74          | \$6,404,365.28                          | 0.550%                         | \$8,806.00          | 0.150%                             | \$2,401.64         |
| TIAA Traditional RA TPA <sup>2</sup>        | TD      | TIAA#  | Guaranteed   | \$2,409,804.78          | \$2,463,137.92                          | 0.550%                         | \$3,386.81          | 0.150%                             | \$923.68           |
| TIAA Traditional GSRA <sup>2</sup>          | T4      | TIAA#  | Guaranteed   | \$1,562,408.76          | \$1,664,985.66                          | 0.550%                         | \$2,289.36          | 0.150%                             | \$624.37           |
| TIAA Traditional RA IPRO <sup>2</sup>       | TF      | TIAA#  | Guaranteed   | \$1,442,278.31          | \$1,592,278.31                          | 0.550%                         | \$2,189.38          | 0.150%                             | \$597.10           |
| TIAA Traditional SRA <sup>2</sup>           | T3      | TIAA#  | Guaranteed   | \$1,109,898.68          | \$1,115,477.68                          | 0.550%                         | \$1,533.78          | 0.150%                             | \$418.30           |
| TIAA Traditional SRA MDO <sup>2</sup>       | TN      | TIAA#  | Guaranteed   | \$331,659.52            | \$332,825.99                            | 0.550%                         | \$457.64            | 0.150%                             | \$124.81           |
| TIAA Traditional GSRA MDO <sup>2</sup>      | TP      | TIAA#  | Guaranteed   | \$156,785.61            | \$156,337.91                            | 0.550%                         | \$214.96            | 0.150%                             | \$58.63            |
| Plan Loan Default Fund <sup>2</sup>         | 98      | PLDF#  | Guaranteed   | \$34,904.87             | \$11,634.96                             | 0.550%                         | \$16.00             | 0.150%                             | \$4.36             |
| TIAA Traditional RCP 1 <sup>2</sup>         | TA      | TIAA#  | Guaranteed   | \$14,178.34             | \$19,264.67                             | 0.550%                         | \$26.49             | 0.150%                             | \$7.22             |
| CREF Money Market                           | X3      | QCMMRX | Money Market | \$1,205,821.70          | \$885,908.19                            | 0.395%                         | \$874.83            | 0.240%                             | \$531.54           |
| TIAA-CREF Money Market-Rtmt                 | XU      | TIEXX  | Money Market | \$2,054.91              | \$2,045.66                              | 0.380%                         | \$1.94              | 0.250%                             | \$1.28             |
| CREF Social Choice                          | X4      | QCSCRX | Multi-Asset  | \$4,750,149.80          | \$4,719,534.01                          | 0.405%                         | \$4,778.53          | 0.240%                             | \$2,831.72         |
| TIAA-CREF Lifecycle 2040-Rtmt               | L7      | TCLOX  | Multi-Asset  | \$1,530,081.67          | \$1,522,877.93                          | 0.710%                         | \$2,703.11          | 0.250%                             | \$951.80           |
| TIAA-CREF Lifecycle 2035-Rtmt               | L6      | TCLRXX | Multi-Asset  | \$1,142,160.64          | \$1,126,916.88                          | 0.700%                         | \$1,972.10          | 0.250%                             | \$704.32           |
| TIAA-CREF Lifecycle 2030-Rtmt               | L5      | TCLNX  | Multi-Asset  | \$751,056.32            | \$736,109.36                            | 0.690%                         | \$1,269.79          | 0.250%                             | \$460.07           |
| TIAA-CREF Lifecycle 2025-Rtmt               | L4      | TCLFX  | Multi-Asset  | \$718,423.84            | \$704,271.23                            | 0.680%                         | \$1,197.26          | 0.250%                             | \$440.17           |
| TIAA-CREF Lifecycle 2020-Rtmt               | L3      | TCLTX  | Multi-Asset  | \$661,531.92            | \$656,953.48                            | 0.660%                         | \$1,083.97          | 0.250%                             | \$410.60           |
| TIAA-CREF Lifecycle 2045-Rtmt               | L9      | TTFRX  | Multi-Asset  | \$589,063.59            | \$578,126.08                            | 0.710%                         | \$1,026.17          | 0.250%                             | \$361.33           |
| TIAA-CREF Lifecycle 2015-Rtmt               | L2      | TCLIX  | Multi-Asset  | \$579,624.43            | \$585,457.36                            | 0.650%                         | \$951.37            | 0.250%                             | \$365.91           |
| TIAA-CREF Lifecycle 2050-Rtmt               | LB      | TLFRX  | Multi-Asset  | \$344,182.43            | \$335,047.77                            | 0.710%                         | \$594.71            | 0.250%                             | \$209.40           |
| TIAA-CREF Lifecycle 2010-Rtmt               | L1      | TCLEX  | Multi-Asset  | \$293,633.16            | \$297,043.31                            | 0.640%                         | \$475.27            | 0.250%                             | \$185.65           |
| TIAA-CREF Lifecycle 2055-Rtmt               | ZJ      | TTRLX  | Multi-Asset  | \$65,063.08             | \$59,362.14                             | 0.710%                         | \$105.37            | 0.250%                             | \$37.10            |
| TIAA-CREF Lfcyle Rtmt Inc-Rtmt              | LD      | TLIRX  | Multi-Asset  | \$15,773.55             | \$15,752.13                             | 0.630%                         | \$24.81             | 0.250%                             | \$9.85             |
| PIMCO All Asset Fund A                      | IW      | PASAX  | Multi-Asset  | \$14,578.60             | \$14,727.02                             | 1.375%                         | \$50.62             | 0.400%                             | \$14.73            |
| TIAA-CREF Managed Alloc-Rtmt                | XX      | TITRX  | Multi-Asset  | \$357.98                | \$338.17                                | 0.670%                         | \$0.57              | 0.250%                             | \$0.21             |
| TIAA Real Estate                            | X1      | QREARX | Real Estate  | \$3,787,411.21          | \$3,743,060.81                          | 0.870%                         | \$8,141.16          | 0.240%                             | \$2,245.84         |
| <b>ESTIMATED TOTAL / AVERAGE</b>            |         |        |              | <b>\$97,867,054.87</b>  | <b>\$97,598,329.25</b>                  | <b>0.131%</b>                  | <b>\$128,071.23</b> | <b>0.053%</b>                      | <b>\$51,636.76</b> |



Financial Services

# Summary of Fees and Compensation for Your Plan

**JUNIATA COLLEGE**

**Activity for the Reporting Period: 10/01/2014 to 12/31/2014**

| <b>PLAN FEES AND<br/>COMPENSATION PAID TO TIAA-CREF<br/>AND BUNDLED SERVICE PROVIDERS</b>                                       | <b>YOUR FEES AND<br/>COMPENSATION IN<br/>DOLLARS</b> | <b>YOUR FEES AND<br/>COMPENSATION AS A<br/>PERCENTAGE OF ASSETS</b> | <b>PERCENT OF<br/>TOTAL PLAN FEES AND<br/>COMPENSATION</b> |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------|
| Investment Fee & Expense                                                                                                        | \$128,071.23                                         | 0.131%                                                              | 94.35%                                                     |
| Direct Fees                                                                                                                     | \$0.00                                               | 0.000%                                                              | 0.00%                                                      |
| TIAA Traditional Net Plan Loan Interest Expense                                                                                 | (\$59.97)                                            | 0.000%                                                              | -0.04%                                                     |
| Float                                                                                                                           | \$24.88                                              | 0.000%                                                              | 0.02%                                                      |
| Transactional Fund Earnings (TFE)                                                                                               | \$3.50                                               | 0.000%                                                              | 0.00%                                                      |
| <b>TOTAL PLAN FEES AND<br/>COMPENSATION PAID TO TIAA-CREF<br/>AND BUNDLED SERVICE PROVIDERS</b>                                 | <b>\$128,039.64</b>                                  | <b>0.131%</b>                                                       | <b>94.33%</b>                                              |
| <b>PLAN FEES AND<br/>COMPENSATION PAID TO OTHER<br/>SERVICE PROVIDERS</b>                                                       | <b>YOUR FEES AND<br/>COMPENSATION IN<br/>DOLLARS</b> | <b>YOUR FEES AND<br/>COMPENSATION AS A<br/>PERCENTAGE OF ASSETS</b> | <b>PERCENT OF<br/>TOTAL PLAN FEES AND<br/>COMPENSATION</b> |
| Direct Fees                                                                                                                     | \$7,700.00                                           | 0.008%                                                              | 5.67%                                                      |
| <b>TOTAL PLAN FEES AND<br/>COMPENSATION PAID TO OTHER<br/>SERVICE PROVIDERS</b>                                                 | <b>\$7,700.00</b>                                    | <b>0.008%</b>                                                       | <b>5.67%</b>                                               |
| <b>TOTAL PLAN FEES AND<br/>COMPENSATION PAID TO TIAA-CREF<br/>AND BUNDLED SERVICE PROVIDERS<br/>AND OTHER SERVICE PROVIDERS</b> | <b>\$135,739.64</b>                                  | <b>0.139%</b>                                                       | <b>100.00%</b>                                             |



Financial Services

# Investment Fee & Expense Disclosure

JUNIATA COLLEGE

Activity for the Reporting Period: 10/01/2014 to 12/31/2014

| FUND NAME                                   | FUND ID | TICKER | ASSET CLASS  | ASSETS AS OF 12/31/2014 | AVERAGE ASSETS FOR THE REPORTING PERIOD | NET EXPENSE RATIO <sup>1</sup> |         | PLAN SERVICES EXPENSE <sup>1</sup> |         |
|---------------------------------------------|---------|--------|--------------|-------------------------|-----------------------------------------|--------------------------------|---------|------------------------------------|---------|
|                                             |         |        |              |                         |                                         | (%)                            | (\$)    | (%)                                | (\$)    |
| CREF Global Equities                        | X6      | QCGLRX | Equities     | \$49,347.71             | \$49,533.40                             | 0.465%                         | \$57.58 | 0.240%                             | \$29.72 |
| CREF Growth                                 | X7      | QCGRRX | Equities     | \$46,799.43             | \$46,516.23                             | 0.415%                         | \$48.26 | 0.240%                             | \$27.91 |
| TIAA-CREF Lg-Cap Gr-Rtmt                    | XW      | TILRX  | Equities     | \$0.00                  | \$0.00                                  | 0.710%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Eq Index-Rtmt                     | XV      | TIQRX  | Equities     | \$0.00                  | \$0.00                                  | 0.320%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Sm-Cap Bl Idx-Rtmt <sup>5</sup>   | XM      | TRBIX  | Equities     | \$0.00                  | \$0.00                                  | 0.410%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Lg-Cap Val Idx-Rtmt               | XF      | TRCVX  | Equities     | \$0.00                  | \$0.00                                  | 0.320%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Intl Eq-Rtmt <sup>5</sup>         | XB      | TRERX  | Equities     | \$0.00                  | \$0.00                                  | 0.760%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Gr & Inc-Rtmt                     | XA      | TRGIX  | Equities     | \$0.00                  | \$0.00                                  | 0.700%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Mid-Cap Gr-Rtmt                   | XH      | TRGMX  | Equities     | \$0.00                  | \$0.00                                  | 0.720%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Intl Eq Idx-Rtmt <sup>5</sup>     | XC      | TRIEX  | Equities     | \$0.00                  | \$0.00                                  | 0.320%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Lg-Cap Gr Idx-Rtmt                | XD      | TRIRX  | Equities     | \$0.00                  | \$0.00                                  | 0.320%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Lg-Cap Val-Rtmt                   | XE      | TRLCX  | Equities     | \$0.00                  | \$0.00                                  | 0.700%                         | \$0.00  | 0.250%                             | \$0.00  |
| Victory Sml Company Opp Fund A              | UU      | SSGSX  | Equities     | \$0.00                  | \$0.00                                  | 1.350%                         | \$0.00  | 0.500%                             | \$0.00  |
| AF EuroPacific Growth Fund R4               | BI      | REREX  | Equities     | \$0.00                  | \$0.00                                  | 0.840%                         | \$0.00  | 0.350%                             | \$0.00  |
| Prudential Jennison Small Co Z              | NE      | PSCZX  | Equities     | \$0.00                  | \$0.00                                  | 0.840%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Real Est Secs-Rtmt                | XL      | TRRSX  | Equities     | \$0.00                  | \$0.00                                  | 0.770%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Social Ch Eq-Rtmt                 | XQ      | TRSCX  | Equities     | \$0.00                  | \$0.00                                  | 0.430%                         | \$0.00  | 0.250%                             | \$0.00  |
| CREF Stock                                  | X2      | QCSTRX | Equities     | \$0.00                  | \$0.00                                  | 0.455%                         | \$0.00  | 0.240%                             | \$0.00  |
| TIAA-CREF Sm-Cap Eq-Rtmt <sup>5</sup>       | XN      | TRSEX  | Equities     | \$0.00                  | \$0.00                                  | 0.800%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF S&P 500 Idx-Rtmt                  | XR      | TRSPX  | Equities     | \$0.00                  | \$0.00                                  | 0.310%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Mid-Cap Val-Rtmt                  | XJ      | TRVRX  | Equities     | \$0.00                  | \$0.00                                  | 0.700%                         | \$0.00  | 0.250%                             | \$0.00  |
| CREF Equity Index                           | X8      | QCEQRX | Equities     | \$0.00                  | \$0.00                                  | 0.391%                         | \$0.00  | 0.240%                             | \$0.00  |
| Vanguard Emerg Mkts Stk Id Adm              | AA      | VEMAX  | Equities     | \$0.00                  | \$0.00                                  | 0.150%                         | \$0.00  | 0.000%                             | \$0.00  |
| TIAA-CREF Short-Term Bond-Rtmt              | Y1      | TISRX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.530%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF Infl-Lnkd Bond-Rtmt               | XS      | TIKRX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.520%                         | \$0.00  | 0.250%                             | \$0.00  |
| TIAA-CREF High-Yield-Rtmt <sup>5</sup>      | XY      | TIHRX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.620%                         | \$0.00  | 0.250%                             | \$0.00  |
| CREF Bond Market                            | X5      | QCBMRX | Fixed Income | \$0.00                  | \$0.00                                  | 0.450%                         | \$0.00  | 0.240%                             | \$0.00  |
| TIAA-CREF Bond-Rtmt                         | XT      | TIDRX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.570%                         | \$0.00  | 0.250%                             | \$0.00  |
| CREF Inflation-Linked Bond                  | X9      | QCILRX | Fixed Income | \$0.00                  | \$0.00                                  | 0.405%                         | \$0.00  | 0.240%                             | \$0.00  |
| T Rowe Price Emerging Mkts Bnd <sup>9</sup> | PN      | PREMX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.940%                         | \$0.00  | 0.150%                             | \$0.00  |



Financial Services

# Investment Fee & Expense Disclosure

Activity for the Reporting Period: 10/01/2014 to 12/31/2014

| FUND NAME                              | FUND ID | TICKER | ASSET CLASS  | ASSETS AS OF 12/31/2014 | AVERAGE ASSETS FOR THE REPORTING PERIOD | NET EXPENSE RATIO <sup>1</sup> |                 | PLAN SERVICES EXPENSE <sup>1</sup> |                 |
|----------------------------------------|---------|--------|--------------|-------------------------|-----------------------------------------|--------------------------------|-----------------|------------------------------------|-----------------|
|                                        |         |        |              |                         |                                         | (%)                            | (\$)            | (%)                                | (\$)            |
| TIAA-CREF Bond Plus-Rtmt               | XZ      | TCBRX  | Fixed Income | \$0.00                  | \$0.00                                  | 0.580%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA Traditional GSRA <sup>2</sup>     | T4      | TIAA#  | Guaranteed   | \$123,566.16            | \$123,242.27                            | 0.550%                         | \$169.46        | 0.150%                             | \$46.22         |
| TIAA Traditional RCP 1 <sup>2</sup>    | TA      | TIAA#  | Guaranteed   | \$0.00                  | \$0.00                                  | 0.550%                         | \$0.00          | 0.150%                             | \$0.00          |
| TIAA Traditional GSRA MDO <sup>2</sup> | TP      | TIAA#  | Guaranteed   | \$0.00                  | \$0.00                                  | 0.550%                         | \$0.00          | 0.150%                             | \$0.00          |
| CREF Money Market                      | X3      | QCMMRX | Money Market | \$0.00                  | \$0.00                                  | 0.395%                         | \$0.00          | 0.240%                             | \$0.00          |
| TIAA-CREF Money Market-Rtmt            | XU      | TIEXX  | Money Market | \$0.00                  | \$0.00                                  | 0.380%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2035-Rtmt          | L6      | TCLRXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.700%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2040-Rtmt          | L7      | TCLOXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.710%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2030-Rtmt          | L5      | TCLNXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.690%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2015-Rtmt          | L2      | TCLIXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.650%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2025-Rtmt          | L4      | TCLFXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.680%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2010-Rtmt          | L1      | TCLEXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.640%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2020-Rtmt          | L3      | TCLTXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.660%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lfycle Rtmt Inc-Rtmt         | LD      | TLIRXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.630%                         | \$0.00          | 0.250%                             | \$0.00          |
| PIMCO All Asset Fund A                 | IW      | PASAXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 1.375%                         | \$0.00          | 0.400%                             | \$0.00          |
| CREF Social Choice                     | X4      | QCSCRX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.405%                         | \$0.00          | 0.240%                             | \$0.00          |
| TIAA-CREF Lifecycle 2050-Rtmt          | LB      | TLFRXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.710%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Managed Alloc-Rtmt           | XX      | TITRXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.670%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2045-Rtmt          | L9      | TTFRXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.710%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA-CREF Lifecycle 2055-Rtmt          | ZJ      | TTRLXX | Multi-Asset  | \$0.00                  | \$0.00                                  | 0.710%                         | \$0.00          | 0.250%                             | \$0.00          |
| TIAA Real Estate                       | X1      | QREARX | Real Estate  | \$21,409.87             | \$21,202.65                             | 0.870%                         | \$46.12         | 0.240%                             | \$12.72         |
| <b>ESTIMATED TOTAL / AVERAGE</b>       |         |        |              | <b>\$241,123.17</b>     | <b>\$240,494.55</b>                     | <b>0.134%</b>                  | <b>\$321.42</b> | <b>0.048%</b>                      | <b>\$116.57</b> |

<sup>1</sup> Net expense ratio percentages are from the most recent prospectuses available to TIAA prior to the end of the reporting period. The plan services expense is a component of and not in addition to the net expense ratio percentage and estimated dollar amounts. Net expense ratio and plan services expense dollars are calculated using the average assets for the reporting period.

<sup>2</sup> The TIAA Traditional Annuity is not an investment for purposes of federal securities laws; it is a guaranteed insurance contract. Therefore, unlike a variable annuity or mutual fund, the TIAA Traditional Annuity does not include an identifiable expense ratio. Each premium allocated to the TIAA Traditional Annuity buys a definite amount of lifetime income for participants based on the rate schedule in effect at the time the premium is paid. In addition, the TIAA Traditional Annuity provides a guarantee of principal, a guaranteed minimum rate of interest and the potential for additional amounts of interest when declared by TIAA's Board of Trustees. Additional amounts, when declared, remain in effect for the "declaration year" that begins each March 1 for accumulating annuities and January 1 for lifetime payout annuities. Additional amounts are not guaranteed for future years. The recent expense provision in the formula for determining TIAA Traditional Annuity returns has averaged about 55 basis points (.550%) inclusive of administrative and investment expenses. This expense provision is not guaranteed, is subject to change.



Financial Services

## Summary of Fees and Compensation for Your Plan

**JUNIATA COLLEGE**

**Activity for the Reporting Period: 10/01/2014 to 12/31/2014**

| <b>PLAN FEES AND<br/>COMPENSATION PAID TO TIAA-CREF<br/>AND BUNDLED SERVICE PROVIDERS</b>       | <b>YOUR FEES AND<br/>COMPENSATION IN<br/>DOLLARS</b> | <b>YOUR FEES AND<br/>COMPENSATION AS A<br/>PERCENTAGE OF ASSETS</b> | <b>PERCENT OF<br/>TOTAL PLAN FEES AND<br/>COMPENSATION</b> |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------|
| Investment Fee & Expense                                                                        | \$321.42                                             | 0.134%                                                              | 100.00%                                                    |
| Direct Fees                                                                                     | \$0.00                                               | 0.000%                                                              | 0.00%                                                      |
| <b>TOTAL PLAN FEES AND<br/>COMPENSATION PAID TO TIAA-CREF<br/>AND BUNDLED SERVICE PROVIDERS</b> | <b>\$321.42</b>                                      | <b>0.134%</b>                                                       | <b>100.00%</b>                                             |

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period 10/1/2014 - 12/31/2014**

| <b>PLAN DEMOGRAPHICS</b>                                 |                               |
|----------------------------------------------------------|-------------------------------|
|                                                          | <b>10/1/2014 - 12/31/2014</b> |
| Participation Rate                                       | N/A                           |
| Total # of Eligibles Making Deferrals                    | 364                           |
| Total # of Eligibles Not Making Deferrals                | N/A                           |
| (includes 2 terminated)                                  |                               |
| Total Participants                                       | <b>784</b>                    |
| Active                                                   | 416                           |
| Terminated                                               | 368                           |
| * Excludes the Revenue Credit Account                    |                               |
| Average Participant Balance (All)                        | \$124,812.34                  |
| Average Participant Balance (Active)                     | \$158,791.08                  |
| Calculation excludes balances for Revenue Credit Account |                               |
| Calculation excludes balances for Revenue Credit Account |                               |
| Total Incoming \$                                        | <b>\$792,736.68</b>           |
| Participant Deferrals                                    | \$322,420.54                  |
| Employer Contributions                                   | \$468,601.08                  |
| Rollovers In                                             | \$1,715.06                    |
| Total Distributions                                      | -\$472,837.58                 |
| Percentage of Assets Distributed                         | <b>-0.48%</b>                 |
| Total Plan Assets                                        | \$97,867,055.54               |
| Includes Revenue Credit Account balance of \$14178.34    |                               |
| Active Employee Plan Assets                              | \$66,071,267.47               |
| Includes Revenue Credit Account balance of \$14178.34    |                               |

| <b>LOANS</b>             |                               |                            |
|--------------------------|-------------------------------|----------------------------|
|                          | <b>Amount of Loans Taken</b>  | <b># of Active Loans**</b> |
| <b>Loan Initiations</b>  | <b>10/1/2014 - 12/31/2014</b> | <b>12/31/2014</b>          |
| General Purpose - Active | \$0.00                        | 23                         |
| Residential              | \$0.00                        | 2                          |
| <b>Grand Total</b>       | <b>\$0.00</b>                 | <b>26</b>                  |

|                                 | <b>12/31/2014</b> |
|---------------------------------|-------------------|
| Number of Outstanding Loans**   | 26                |
| Number of New Loans Issued      | 0                 |
| Average Loan Balance            | \$4,986.35        |
| Total Outstanding Loan Balances | \$129,645.19      |

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period 10/1/2014 - 12/31/2014**

| <b>ASSET ALLOCATION / NET CASH FLOW</b>          |                     |                     |                      |                      |                      |                       |                 |                       |
|--------------------------------------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|-----------------|-----------------------|
|                                                  | <b>18 - 29</b>      | <b>30 - 39</b>      | <b>40 - 49</b>       | <b>50 - 59</b>       | <b>60 - 69</b>       | <b>70+</b>            | <b>No DOB**</b> | <b>Grand Total</b>    |
| Total Plan Assets                                | \$329,693.73        | \$3,558,770.66      | \$10,799,383.07      | \$24,469,436.40      | \$31,873,819.65      | \$26,821,773.69       | \$14,178.34     | \$97,867,055.54       |
| % Assets                                         | 0.34%               | 3.64%               | 11.03%               | 25.00%               | 32.57%               | 27.41%                | 0.01%           | 100.00%               |
| Avg. Deferral Rate                               | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |
| Provider's Book of Business Avg. Deferral Rate   | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |
| Contributions                                    | \$31,277.27         | \$98,246.10         | \$196,478.11         | \$293,699.96         | \$157,848.05         | \$13,472.13           | \$0.00          | \$791,021.62          |
| Rollovers In                                     | \$0.00              | \$0.00              | \$1,715.06           | \$0.00               | \$0.00               | \$0.00                | \$0.00          | \$1,715.06            |
| <b>Total Incoming</b>                            | <b>\$31,277.27</b>  | <b>\$98,246.10</b>  | <b>\$198,193.17</b>  | <b>\$293,699.96</b>  | <b>\$157,848.05</b>  | <b>\$13,472.13</b>    | <b>\$0.00</b>   | <b>\$792,736.68</b>   |
| Cash Distributions                               | (\$6,635.52)        | (\$3,000.00)        | (\$20,774.19)        | (\$11,110.23)        | (\$61,525.29)        | (\$278,463.63)        | \$0.00          | (\$381,508.86)        |
| Rollovers Out                                    | \$0.00              | \$0.00              | (\$2,031.48)         | \$0.00               | (\$9,233.98)         | (\$80,063.26)         | \$0.00          | (\$91,328.72)         |
| <b>Total Distributions</b>                       | <b>(\$6,635.52)</b> | <b>(\$3,000.00)</b> | <b>(\$22,805.67)</b> | <b>(\$11,110.23)</b> | <b>(\$70,759.27)</b> | <b>(\$358,526.89)</b> | <b>\$0.00</b>   | <b>(\$472,837.58)</b> |
| Net Cash Flow                                    | \$24,641.75         | \$95,246.10         | \$175,387.50         | \$282,589.73         | \$87,088.78          | (\$345,054.76)        | \$0.00          | \$319,899.10          |
| Total Participant with Balance                   | 53                  | 114                 | 160                  | 192                  | 179                  | 86                    | 1               | 784                   |
| Average Account Balance                          | \$6,220.64          | \$31,217.29         | \$67,496.14          | \$127,444.98         | \$178,066.03         | \$311,881.09          | \$14,178.34     | \$124,812.34          |
| Provider's Book of Business Avg. Account Balance | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |

\*\*No DOB = Revenue Credit Account

\*\*\* Grand Total column excludes the Revenue Credit Account

| <b>DISTRIBUTIONS</b>     |                                    |                               |
|--------------------------|------------------------------------|-------------------------------|
|                          | <b>Amount of Withdrawals Taken</b> | <b># of Withdrawals</b>       |
| <b>Distribution Type</b> | <b>10/1/2014 - 12/31/2014</b>      | <b>10/1/2014 - 12/31/2014</b> |
| In-Service Withdrawal    | (\$25,896.00)                      | 12                            |
| Installment Payment      | (\$172,850.65)                     | 62                            |
| Rollover                 | (\$91,328.72)                      | 6                             |
| Termination Distribution | (\$182,762.21)                     | 93                            |
| <b>Grand Total</b>       | <b>(\$472,837.58)</b>              | <b>173</b>                    |

| <b>10/1/2014 - 12/31/2014</b>  |                        |                          |                          |
|--------------------------------|------------------------|--------------------------|--------------------------|
| <b>Distribution Type</b>       | <b>Participant Age</b> | <b>Participant Count</b> | <b>Withdrawal Amount</b> |
| Rollovers                      | Age < 50               | 1                        | (\$2,031.48)             |
|                                | Age >= 50              | 5                        | (\$89,297.24)            |
| <b>Rollovers Total</b>         |                        |                          | <b>(\$91,328.72)</b>     |
| Cash Distribution              | Age < 50               | 4                        | (\$30,409.71)            |
|                                | Age >= 50              | 69                       | (\$351,099.15)           |
| <b>Cash Distribution Total</b> |                        |                          | <b>(\$381,508.86)</b>    |
| <b>Grand Total</b>             |                        |                          | <b>(\$472,837.58)</b>    |

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period 10/1/2014 - 12/31/2014**

| <b>ASSET ALLOCATION / NET CASH FLOW</b>          |                     |                     |                      |                      |                      |                       |                 |                       |
|--------------------------------------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-----------------------|-----------------|-----------------------|
|                                                  | <b>18 - 29</b>      | <b>30 - 39</b>      | <b>40 - 49</b>       | <b>50 - 59</b>       | <b>60 - 69</b>       | <b>70+</b>            | <b>No DOB**</b> | <b>Grand Total</b>    |
| Total Plan Assets                                | \$329,693.73        | \$3,558,770.66      | \$10,799,383.07      | \$24,469,436.40      | \$31,873,819.65      | \$26,821,773.69       | \$14,178.34     | \$97,867,055.54       |
| % Assets                                         | 0.34%               | 3.64%               | 11.03%               | 25.00%               | 32.57%               | 27.41%                | 0.01%           | 100.00%               |
| Avg. Deferral Rate                               | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |
| Provider's Book of Business Avg. Deferral Rate   | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |
| Contributions                                    | \$31,277.27         | \$98,246.10         | \$196,478.11         | \$293,699.96         | \$157,848.05         | \$13,472.13           | \$0.00          | \$791,021.62          |
| Rollovers In                                     | \$0.00              | \$0.00              | \$1,715.06           | \$0.00               | \$0.00               | \$0.00                | \$0.00          | \$1,715.06            |
| <b>Total Incoming</b>                            | <b>\$31,277.27</b>  | <b>\$98,246.10</b>  | <b>\$198,193.17</b>  | <b>\$293,699.96</b>  | <b>\$157,848.05</b>  | <b>\$13,472.13</b>    | <b>\$0.00</b>   | <b>\$792,736.68</b>   |
| Cash Distributions                               | (\$6,635.52)        | (\$3,000.00)        | (\$20,774.19)        | (\$11,110.23)        | (\$61,525.29)        | (\$278,463.63)        | \$0.00          | (\$381,508.86)        |
| Rollovers Out                                    | \$0.00              | \$0.00              | (\$2,031.48)         | \$0.00               | (\$9,233.98)         | (\$80,063.26)         | \$0.00          | (\$91,328.72)         |
| <b>Total Distributions</b>                       | <b>(\$6,635.52)</b> | <b>(\$3,000.00)</b> | <b>(\$22,805.67)</b> | <b>(\$11,110.23)</b> | <b>(\$70,759.27)</b> | <b>(\$358,526.89)</b> | <b>\$0.00</b>   | <b>(\$472,837.58)</b> |
| Net Cash Flow                                    | \$24,641.75         | \$95,246.10         | \$175,387.50         | \$282,589.73         | \$87,088.78          | (\$345,054.76)        | \$0.00          | \$319,899.10          |
| Total Participant with Balance                   | 53                  | 114                 | 160                  | 192                  | 179                  | 86                    | 1               | 784                   |
| Average Account Balance                          | \$6,220.64          | \$31,217.29         | \$67,496.14          | \$127,444.98         | \$178,066.03         | \$311,881.09          | \$14,178.34     | \$124,812.34          |
| Provider's Book of Business Avg. Account Balance | N/A                 | N/A                 | N/A                  | N/A                  | N/A                  | N/A                   | N/A             | N/A                   |

\*\*No DOB = Revenue Credit Account

\*\*\* Grand Total column excludes the Revenue Credit Account

| <b>DISTRIBUTIONS</b>     |                                    |                               |
|--------------------------|------------------------------------|-------------------------------|
|                          | <b>Amount of Withdrawals Taken</b> | <b># of Withdrawals</b>       |
| <b>Distribution Type</b> | <b>10/1/2014 - 12/31/2014</b>      | <b>10/1/2014 - 12/31/2014</b> |
| In-Service Withdrawal    | (\$25,896.00)                      | 12                            |
| Installment Payment      | (\$172,850.65)                     | 62                            |
| Rollover                 | (\$91,328.72)                      | 6                             |
| Termination Distribution | (\$182,762.21)                     | 93                            |
| <b>Grand Total</b>       | <b>(\$472,837.58)</b>              | <b>173</b>                    |

| <b>10/1/2014 - 12/31/2014</b>  |                        |                          |                          |
|--------------------------------|------------------------|--------------------------|--------------------------|
| <b>Distribution Type</b>       | <b>Participant Age</b> | <b>Participant Count</b> | <b>Withdrawal Amount</b> |
| Rollovers                      | Age < 50               | 1                        | (\$2,031.48)             |
|                                | Age >= 50              | 5                        | (\$89,297.24)            |
| <b>Rollovers Total</b>         |                        |                          | <b>(\$91,328.72)</b>     |
| Cash Distribution              | Age < 50               | 4                        | (\$30,409.71)            |
|                                | Age >= 50              | 69                       | (\$351,099.15)           |
| <b>Cash Distribution Total</b> |                        |                          | <b>(\$381,508.86)</b>    |
| <b>Grand Total</b>             |                        |                          | <b>(\$472,837.58)</b>    |

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period Ending 12/31/2014**

**FUND ALLOCATION BY AGE GROUP**

| As of December 31, 2014        |                     |                       |                        |                        |                        |                        |                    |                        |
|--------------------------------|---------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------|------------------------|
| Investment Option              | 18 - 29             | 30 - 39               | 40 - 49                | 50 - 59                | 60 - 69                | 70+                    | No DOB**           | Total Assets           |
| AF EuroPacific Growth Fund R4  | \$0.00              | \$12,427.53           | \$48,175.06            | \$170,377.30           | \$160,774.74           | \$43,623.52            | \$0.00             | \$435,378.15           |
| CREF Bond Market               | \$0.00              | \$38,282.72           | \$134,801.76           | \$582,263.58           | \$2,371,954.48         | \$115,531.28           | \$0.00             | \$3,242,833.82         |
| CREF Equity Index              | \$0.00              | \$99,648.99           | \$863,720.49           | \$996,147.79           | \$464,510.22           | \$387,106.14           | \$0.00             | \$2,811,133.63         |
| CREF Global Equities           | \$50.74             | \$124,001.32          | \$846,860.12           | \$1,298,295.67         | \$763,767.55           | \$383,237.22           | \$0.00             | \$3,416,212.62         |
| CREF Growth                    | \$252.05            | \$217,066.96          | \$1,508,328.53         | \$1,670,921.57         | \$478,335.37           | \$440,567.11           | \$0.00             | \$4,315,471.59         |
| CREF Inflation-Linked Bond     | \$0.00              | \$59,275.19           | \$79,592.60            | \$279,386.02           | \$632,855.30           | \$311,806.45           | \$0.00             | \$1,362,915.56         |
| CREF Money Market              | \$0.00              | \$2,598.87            | \$26,390.28            | \$298,380.33           | \$653,628.97           | \$224,823.22           | \$0.00             | \$1,205,821.67         |
| CREF Social Choice             | \$0.00              | \$64,539.39           | \$625,389.52           | \$2,034,496.41         | \$1,840,792.99         | \$184,931.43           | \$0.00             | \$4,750,149.74         |
| CREF Stock                     | \$17.57             | \$400,365.46          | \$2,094,812.59         | \$6,154,142.44         | \$6,384,848.65         | \$9,814,560.61         | \$0.00             | \$24,848,747.32        |
| PIMCO All Asset Fund A         | \$0.00              | \$0.00                | \$11,362.38            | \$0.00                 | \$3,216.21             | \$0.00                 | \$0.00             | \$14,578.59            |
| Plan Loan Default Fund         | \$0.00              | \$0.00                | \$34,904.87            | \$0.00                 | \$0.00                 | \$0.00                 | \$0.00             | \$34,904.87            |
| Prudential Jennison Small Co Z | \$0.00              | \$0.00                | \$11,912.07            | \$6,191.75             | \$0.00                 | \$1,024.88             | \$0.00             | \$19,128.70            |
| T Rowe Price Emerging Mkts Bnd | \$0.00              | \$0.00                | \$15,894.85            | \$9,447.16             | \$0.00                 | \$0.00                 | \$0.00             | \$25,342.01            |
| TIAA Real Estate               | \$1,724.66          | \$193,277.54          | \$550,686.06           | \$929,514.62           | \$1,376,418.98         | \$735,789.35           | \$0.00             | \$3,787,411.21         |
| TIAA Traditional               | \$5.80              | \$275,383.79          | \$1,204,635.21         | \$5,808,409.94         | \$11,896,874.10        | \$13,002,752.78        | \$14,178.34        | \$32,202,239.96        |
| TIAA-CREF Bond Plus-Rtmt       | \$0.00              | \$10,264.02           | \$0.00                 | \$43,273.94            | \$151,812.85           | \$0.00                 | \$0.00             | \$205,350.81           |
| TIAA-CREF Bond-Rtmt            | \$518.69            | \$10,317.02           | \$9,986.01             | \$112,519.02           | \$310,451.62           | \$202,033.39           | \$0.00             | \$645,825.75           |
| TIAA-CREF Eq Index-Rtmt        | \$0.00              | \$0.00                | \$9,046.88             | \$312,247.80           | \$153,519.98           | \$0.00                 | \$0.00             | \$474,814.66           |
| TIAA-CREF Gr & Inc-Rtmt        | \$0.00              | \$21,225.06           | \$61,812.22            | \$181,867.49           | \$199,461.81           | \$34,364.60            | \$0.00             | \$498,731.18           |
| TIAA-CREF High-Yield-Rtmt      | \$0.00              | \$2,859.54            | \$9,650.81             | \$15,799.09            | \$45,335.65            | \$0.00                 | \$0.00             | \$73,645.09            |
| TIAA-CREF Infl-Lnkd Bond-Rtmt  | \$499.17            | \$145.32              | \$0.00                 | \$10,525.63            | \$36,999.95            | \$14,910.28            | \$0.00             | \$63,080.35            |
| TIAA-CREF Intl Eq Idx-Rtmt     | \$741.91            | \$6,419.99            | \$53,210.22            | \$169,156.30           | \$363,190.00           | \$118,876.10           | \$0.00             | \$711,594.52           |
| TIAA-CREF Intl Eq-Rtmt         | \$39.04             | \$8,498.94            | \$59,973.53            | \$207,533.24           | \$214,949.78           | \$14,232.03            | \$0.00             | \$505,226.56           |
| TIAA-CREF Lfycle Rtmt Inc-Rtmt | \$0.00              | \$0.00                | \$0.00                 | \$0.00                 | \$15,773.55            | \$0.00                 | \$0.00             | \$15,773.55            |
| TIAA-CREF Lg-Cap Gr Idx-Rtmt   | \$0.00              | \$0.00                | \$5,954.86             | \$13,270.30            | \$30,835.96            | \$61,225.49            | \$0.00             | \$111,286.61           |
| TIAA-CREF Lg-Cap Gr-Rtmt       | \$0.00              | \$0.00                | \$6,809.95             | \$769.46               | \$29,908.61            | \$0.00                 | \$0.00             | \$37,488.02            |
| TIAA-CREF Lg-Cap Val Idx-Rtmt  | \$88.99             | \$227.57              | \$18,199.36            | \$52,648.24            | \$116,712.10           | \$61,982.95            | \$0.00             | \$249,859.21           |
| TIAA-CREF Lg-Cap Val-Rtmt      | \$0.00              | \$31,028.46           | \$80,702.38            | \$373,920.93           | \$412,402.59           | \$105,475.67           | \$0.00             | \$1,003,530.03         |
| TIAA-CREF Lifecycle 2010-Rtmt  | \$0.00              | \$291.85              | \$8,527.91             | \$0.00                 | \$158,519.14           | \$126,294.28           | \$0.00             | \$293,633.18           |
| TIAA-CREF Lifecycle 2015-Rtmt  | \$0.00              | \$0.00                | \$0.00                 | \$5,028.09             | \$574,596.36           | \$0.00                 | \$0.00             | \$579,624.45           |
| TIAA-CREF Lifecycle 2020-Rtmt  | \$0.00              | \$0.00                | \$0.00                 | \$472,579.95           | \$188,951.95           | \$0.00                 | \$0.00             | \$661,531.90           |
| TIAA-CREF Lifecycle 2025-Rtmt  | \$0.00              | \$10,612.85           | \$1,659.65             | \$674,850.84           | \$31,300.52            | \$0.00                 | \$0.00             | \$718,423.86           |
| TIAA-CREF Lifecycle 2030-Rtmt  | \$0.00              | \$5,479.60            | \$703,528.39           | \$42,048.28            | \$0.00                 | \$0.00                 | \$0.00             | \$751,056.27           |
| TIAA-CREF Lifecycle 2035-Rtmt  | \$0.00              | \$101,892.42          | \$786,865.57           | \$253,402.64           | \$0.00                 | \$0.00                 | \$0.00             | \$1,142,160.63         |
| TIAA-CREF Lifecycle 2040-Rtmt  | \$0.00              | \$1,134,179.72        | \$395,341.00           | \$560.93               | \$0.00                 | \$0.00                 | \$0.00             | \$1,530,081.65         |
| TIAA-CREF Lifecycle 2045-Rtmt  | \$7,076.99          | \$580,010.73          | \$1,975.87             | \$0.00                 | \$0.00                 | \$0.00                 | \$0.00             | \$589,063.59           |
| TIAA-CREF Lifecycle 2050-Rtmt  | \$248,495.55        | \$85,466.23           | \$10,220.68            | \$0.00                 | \$0.00                 | \$0.00                 | \$0.00             | \$344,182.46           |
| TIAA-CREF Lifecycle 2055-Rtmt  | \$65,063.10         | \$0.00                | \$0.00                 | \$0.00                 | \$0.00                 | \$0.00                 | \$0.00             | \$65,063.10            |
| TIAA-CREF Managed Alloc-Rtmt   | \$0.00              | \$0.00                | \$0.00                 | \$0.00                 | \$357.98               | \$0.00                 | \$0.00             | \$357.98               |
| TIAA-CREF Mid-Cap Gr-Rtmt      | \$0.00              | \$7,348.02            | \$46,088.88            | \$46,410.77            | \$49,809.23            | \$11,372.71            | \$0.00             | \$161,029.61           |
| TIAA-CREF Mid-Cap Val-Rtmt     | \$575.71            | \$20,061.36           | \$169,588.70           | \$585,478.18           | \$592,058.79           | \$157,111.75           | \$0.00             | \$1,524,874.49         |
| TIAA-CREF Money Market-Rtmt    | \$0.00              | \$0.00                | \$1,407.62             | \$0.00                 | \$647.29               | \$0.00                 | \$0.00             | \$2,054.91             |
| TIAA-CREF Real Est Secs-Rtmt   | \$1,193.61          | \$8,008.34            | \$54,193.08            | \$112,374.89           | \$168,462.98           | \$38,418.23            | \$0.00             | \$382,651.13           |
| TIAA-CREF S&P 500 Idx-Rtmt     | \$2,619.17          | \$2,272.94            | \$61,762.85            | \$16,637.98            | \$117,489.04           | \$0.00                 | \$0.00             | \$200,781.98           |
| TIAA-CREF Short-Term Bond-Rtmt | \$0.00              | \$483.21              | \$7,255.04             | \$1,663.01             | \$75,517.10            | \$0.00                 | \$0.00             | \$84,918.36            |
| TIAA-CREF Sm-Cap Bl Idx-Rtmt   | \$561.35            | \$10,637.22           | \$28,680.80            | \$78,888.35            | \$142,457.14           | \$0.00                 | \$0.00             | \$261,224.86           |
| TIAA-CREF Sm-Cap Eq-Rtmt       | \$0.00              | \$7,632.68            | \$90,234.92            | \$284,786.52           | \$345,559.29           | \$114,775.08           | \$0.00             | \$842,988.49           |
| TIAA-CREF Social Ch Eq-Rtmt    | \$122.19            | \$0.00                | \$13,192.05            | \$19,769.25            | \$286,156.13           | \$84,398.99            | \$0.00             | \$403,638.61           |
| Vanguard Emerg Mkts Stk Id Adm | \$47.44             | \$6,539.81            | \$42,862.79            | \$142,127.81           | \$32,131.44            | \$28,487.14            | \$0.00             | \$252,196.43           |
| Victory Sml Company Opp Fund A | \$0.00              | \$0.00                | \$3,184.66             | \$1,322.89             | \$473.26               | \$2,061.01             | \$0.00             | \$7,041.82             |
| <b>Total Assets</b>            | <b>\$329,693.73</b> | <b>\$3,558,770.66</b> | <b>\$10,799,383.07</b> | <b>\$24,469,436.40</b> | <b>\$31,873,819.65</b> | <b>\$26,821,773.69</b> | <b>\$14,178.34</b> | <b>\$97,867,055.54</b> |
| % of Assets                    | 0.34%               | 3.64%                 | 11.03%                 | 25.00%                 | 32.57%                 | 27.41%                 | 0.01%              | 100.00%                |
| Total Participants             | 53                  | 114                   | 160                    | 192                    | 179                    | 86                     | 1                  | 784                    |
| Avg Account Balance            | \$6,220.64          | \$31,217.29           | \$67,496.14            | \$127,444.98           | \$178,066.03           | \$311,881.09           | \$14,178.34        | \$124,812.34           |

\*\*No DOB = Revenue Credit Account

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period Ending 12/31/2014**

| <b>PARTICIPANT COUNT BY FUND BY AGE GROUP</b> |                |                |                |                |                |             |                 |              |
|-----------------------------------------------|----------------|----------------|----------------|----------------|----------------|-------------|-----------------|--------------|
| <b>As of December 31, 2014</b>                |                |                |                |                |                |             |                 |              |
| <b>Investment Option</b>                      | <b>18 - 29</b> | <b>30 - 39</b> | <b>40 - 49</b> | <b>50 - 59</b> | <b>60 - 69</b> | <b>70+</b>  | <b>No DOB**</b> | <b>Total</b> |
| AF EuroPacific Growth Fund R4                 | 0              | 4              | 8              | 14             | 6              | 2           | 0               | 34           |
| CREF Bond Market                              | 0              | 13             | 27             | 42             | 31             | 6           | 0               | 119          |
| CREF Equity Index                             | 0              | 7              | 30             | 32             | 11             | 6           | 0               | 86           |
| CREF Global Equities                          | 1              | 17             | 53             | 63             | 31             | 12          | 0               | 177          |
| CREF Growth                                   | 2              | 17             | 46             | 51             | 22             | 10          | 0               | 148          |
| CREF Inflation-Linked Bond                    | 0              | 14             | 15             | 27             | 27             | 9           | 0               | 92           |
| CREF Money Market                             | 0              | 2              | 11             | 17             | 16             | 6           | 0               | 52           |
| CREF Social Choice                            | 0              | 8              | 25             | 44             | 21             | 6           | 0               | 104          |
| CREF Stock                                    | 1              | 33             | 78             | 110            | 87             | 45          | 0               | 354          |
| PIMCO All Asset Fund A                        | 0              | 0              | 2              | 0              | 2              | 0           | 0               | 4            |
| Plan Loan Default Fund                        | 0              | 0              | 1              | 0              | 0              | 0           | 0               | 1            |
| Prudential Jennison Small Co Z                | 0              | 0              | 3              | 2              | 0              | 1           | 0               | 6            |
| T Rowe Price Emerging Mkts Bnd                | 0              | 0              | 3              | 1              | 0              | 0           | 0               | 4            |
| TIAA Real Estate                              | 5              | 37             | 67             | 79             | 53             | 12          | 0               | 253          |
| TIAA Traditional                              | 1              | 42             | 82             | 141            | 152            | 78          | 1               | 497          |
| TIAA-CREF Bond Plus-Rtmt                      | 0              | 2              | 0              | 7              | 7              | 0           | 0               | 16           |
| TIAA-CREF Bond-Rtmt                           | 1              | 2              | 5              | 11             | 10             | 3           | 0               | 32           |
| TIAA-CREF Eq Index-Rtmt                       | 0              | 0              | 3              | 2              | 1              | 0           | 0               | 6            |
| TIAA-CREF Gr & Inc-Rtmt                       | 0              | 5              | 7              | 16             | 11             | 2           | 0               | 41           |
| TIAA-CREF High-Yield-Rtmt                     | 0              | 3              | 5              | 5              | 3              | 0           | 0               | 16           |
| TIAA-CREF Infl-Lnkd Bond-Rtmt                 | 1              | 1              | 0              | 7              | 9              | 1           | 0               | 19           |
| TIAA-CREF Intl Eq Idx-Rtmt                    | 1              | 4              | 11             | 19             | 17             | 3           | 0               | 55           |
| TIAA-CREF Intl Eq-Rtmt                        | 1              | 5              | 13             | 14             | 13             | 1           | 0               | 47           |
| TIAA-CREF Lfcyle Rtmt Inc-Rtmt                | 0              | 0              | 0              | 0              | 2              | 0           | 0               | 2            |
| TIAA-CREF Lg-Cap Gr Idx-Rtmt                  | 0              | 0              | 4              | 3              | 3              | 1           | 0               | 11           |
| TIAA-CREF Lg-Cap Gr-Rtmt                      | 0              | 0              | 3              | 1              | 2              | 0           | 0               | 6            |
| TIAA-CREF Lg-Cap Val Idx-Rtmt                 | 1              | 1              | 5              | 9              | 8              | 2           | 0               | 26           |
| TIAA-CREF Lg-Cap Val-Rtmt                     | 0              | 7              | 14             | 22             | 22             | 4           | 0               | 69           |
| TIAA-CREF Lifecycle 2010-Rtmt                 | 0              | 1              | 5              | 0              | 27             | 3           | 0               | 36           |
| TIAA-CREF Lifecycle 2015-Rtmt                 | 0              | 0              | 0              | 1              | 30             | 0           | 0               | 31           |
| TIAA-CREF Lifecycle 2020-Rtmt                 | 0              | 0              | 0              | 10             | 8              | 0           | 0               | 18           |
| TIAA-CREF Lifecycle 2025-Rtmt                 | 0              | 1              | 1              | 27             | 1              | 0           | 0               | 30           |
| TIAA-CREF Lifecycle 2030-Rtmt                 | 0              | 1              | 21             | 7              | 0              | 0           | 0               | 29           |
| TIAA-CREF Lifecycle 2035-Rtmt                 | 0              | 2              | 36             | 2              | 0              | 0           | 0               | 40           |
| TIAA-CREF Lifecycle 2040-Rtmt                 | 0              | 46             | 12             | 1              | 0              | 0           | 0               | 59           |
| TIAA-CREF Lifecycle 2045-Rtmt                 | 1              | 30             | 1              | 0              | 0              | 0           | 0               | 32           |
| TIAA-CREF Lifecycle 2050-Rtmt                 | 35             | 9              | 1              | 0              | 0              | 0           | 0               | 45           |
| TIAA-CREF Lifecycle 2055-Rtmt                 | 18             | 0              | 0              | 0              | 0              | 0           | 0               | 18           |
| TIAA-CREF Managed Alloc-Rtmt                  | 0              | 0              | 0              | 0              | 2              | 0           | 0               | 2            |
| TIAA-CREF Mid-Cap Gr-Rtmt                     | 0              | 3              | 10             | 8              | 9              | 1           | 0               | 31           |
| TIAA-CREF Mid-Cap Val-Rtmt                    | 1              | 8              | 18             | 28             | 22             | 4           | 0               | 81           |
| TIAA-CREF Money Market-Rtmt                   | 0              | 0              | 1              | 0              | 2              | 0           | 0               | 3            |
| TIAA-CREF Real Est Secs-Rtmt                  | 1              | 5              | 12             | 18             | 15             | 3           | 0               | 54           |
| TIAA-CREF S&P 500 Idx-Rtmt                    | 1              | 1              | 6              | 3              | 6              | 0           | 0               | 17           |
| TIAA-CREF Short-Term Bond-Rtmt                | 0              | 1              | 1              | 3              | 5              | 0           | 0               | 10           |
| TIAA-CREF Sm-Cap Bl Idx-Rtmt                  | 1              | 2              | 7              | 15             | 11             | 0           | 0               | 36           |
| TIAA-CREF Sm-Cap Eq-Rtmt                      | 0              | 6              | 12             | 21             | 15             | 4           | 0               | 58           |
| TIAA-CREF Social Ch Eq-Rtmt                   | 1              | 0              | 8              | 6              | 9              | 1           | 0               | 25           |
| Vanguard Emerg Mkts Stk Id Adm                | 1              | 4              | 12             | 19             | 7              | 2           | 0               | 45           |
| Victory Sml Company Opp Fund A                | 0              | 0              | 1              | 2              | 1              | 1           | 0               | 0            |
| <b>Total Participants</b>                     | <b>53</b>      | <b>114</b>     | <b>160</b>     | <b>192</b>     | <b>179</b>     | <b>86</b>   | <b>1</b>        | <b>784</b>   |
| <b>Average # of Funds Per Participant</b>     | <b>1.42</b>    | <b>3.02</b>    | <b>4.29</b>    | <b>4.74</b>    | <b>4.12</b>    | <b>2.66</b> | <b>1.00</b>     | <b>3.79</b>  |

\*\*No DOB = Revenue Credit Account

\*\*\* Grand Total column excludes the Revenue  
Credit Account

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period Ending 12/31/2014**

| <b>Participant Behavior Statistics</b> |                 |                    |                                        |
|----------------------------------------|-----------------|--------------------|----------------------------------------|
| <b>Fund Name</b>                       | <b>Balance</b>  | <b># of Part's</b> | <b>Part's Using as Sole Investment</b> |
| AF EuroPacific Growth Fund R4          | \$435,378.15    | 34                 |                                        |
| CREF Bond Market                       | \$3,242,833.82  | 119                |                                        |
| CREF Equity Index                      | \$2,811,133.63  | 86                 | 3                                      |
| CREF Global Equities                   | \$3,416,212.62  | 177                |                                        |
| CREF Growth                            | \$4,315,471.59  | 148                | 1                                      |
| CREF Inflation-Linked Bond             | \$1,362,915.56  | 92                 |                                        |
| CREF Money Market                      | \$1,205,821.67  | 52                 | 4                                      |
| CREF Social Choice                     | \$4,750,149.74  | 104                | 6                                      |
| CREF Stock                             | \$24,848,747.32 | 354                | 10                                     |
| PIMCO All Asset Fund A                 | \$14,578.59     | 4                  |                                        |
| Plan Loan Default Fund                 | \$34,904.87     | 1                  |                                        |
| Prudential Jennison Small Co Z         | \$19,128.70     | 6                  |                                        |
| T Rowe Price Emerging Mkts Bnd         | \$25,342.01     | 4                  |                                        |
| TIAA Real Estate                       | \$3,787,411.21  | 253                |                                        |
| TIAA Traditional                       | \$32,202,239.96 | 496                | 119                                    |
| TIAA-CREF Bond Plus-Rtmt               | \$205,350.81    | 16                 |                                        |
| TIAA-CREF Bond-Rtmt                    | \$645,825.75    | 32                 |                                        |
| TIAA-CREF Eq Index-Rtmt                | \$474,814.66    | 6                  |                                        |
| TIAA-CREF Gr & Inc-Rtmt                | \$498,731.18    | 41                 |                                        |
| TIAA-CREF High-Yield-Rtmt              | \$73,645.09     | 16                 |                                        |
| TIAA-CREF Infl-Lnkd Bond-Rtmt          | \$63,080.35     | 19                 |                                        |
| TIAA-CREF Intl Eq Idx-Rtmt             | \$711,594.52    | 55                 |                                        |
| TIAA-CREF Intl Eq-Rtmt                 | \$505,226.56    | 47                 |                                        |
| TIAA-CREF Lfcyle Rtmt Inc-Rtmt         | \$15,773.55     | 2                  |                                        |
| TIAA-CREF Lg-Cap Gr Idx-Rtmt           | \$111,286.61    | 11                 |                                        |
| TIAA-CREF Lg-Cap Gr-Rtmt               | \$37,488.02     | 6                  |                                        |
| TIAA-CREF Lg-Cap Val Idx-Rtmt          | \$249,859.21    | 26                 |                                        |
| TIAA-CREF Lg-Cap Val-Rtmt              | \$1,003,530.03  | 69                 |                                        |
| TIAA-CREF Lifecycle 2010-Rtmt          | \$293,633.18    | 36                 | 4                                      |
| TIAA-CREF Lifecycle 2015-Rtmt          | \$579,624.45    | 31                 | 7                                      |
| TIAA-CREF Lifecycle 2020-Rtmt          | \$661,531.90    | 18                 | 4                                      |
| TIAA-CREF Lifecycle 2025-Rtmt          | \$718,423.86    | 30                 | 12                                     |
| TIAA-CREF Lifecycle 2030-Rtmt          | \$751,056.27    | 29                 | 11                                     |
| TIAA-CREF Lifecycle 2035-Rtmt          | \$1,142,160.63  | 40                 | 19                                     |
| TIAA-CREF Lifecycle 2040-Rtmt          | \$1,530,081.65  | 59                 | 32                                     |
| TIAA-CREF Lifecycle 2045-Rtmt          | \$589,063.59    | 32                 | 21                                     |
| TIAA-CREF Lifecycle 2050-Rtmt          | \$344,182.46    | 45                 | 40                                     |
| TIAA-CREF Lifecycle 2055-Rtmt          | \$65,063.10     | 18                 | 14                                     |
| TIAA-CREF Managed Alloc-Rtmt           | \$357.98        | 2                  |                                        |
| TIAA-CREF Mid-Cap Gr-Rtmt              | \$161,029.61    | 31                 |                                        |
| TIAA-CREF Mid-Cap Val-Rtmt             | \$1,524,874.49  | 81                 |                                        |
| TIAA-CREF Money Market-Rtmt            | \$2,054.91      | 3                  |                                        |
| TIAA-CREF Real Est Secs-Rtmt           | \$382,651.13    | 54                 |                                        |
| TIAA-CREF S&P 500 Idx-Rtmt             | \$200,781.98    | 17                 |                                        |
| TIAA-CREF Short-Term Bond-Rtmt         | \$84,918.36     | 10                 |                                        |
| TIAA-CREF Sm-Cap Bl Idx-Rtmt           | \$261,224.86    | 36                 |                                        |
| TIAA-CREF Sm-Cap Eq-Rtmt               | \$842,988.49    | 58                 |                                        |
| TIAA-CREF Social Ch Eq-Rtmt            | \$403,638.61    | 25                 |                                        |
| Vanguard Emerg Mkts Stk Id Adm         | \$252,196.43    | 45                 |                                        |
| Victory Sml Company Opp Fund A         | \$7,041.82      | 5                  |                                        |
| Total                                  | \$97,860,013.72 |                    | 307                                    |

\*\*\* Part's Using as Sole Investment excludes the  
Forfeiture Account

**JUNIATA COLLEGE RETIREMENT PLAN**  
**Plan: 104577 and 104578**  
**For the Period 10/1/2014 - 12/31/2014**

| Quarterly Rate of Return | Participant Count      |
|--------------------------|------------------------|
| Average ROR Range        | 10/1/2014 - 12/31/2014 |
| Less than -10%           | 0                      |
| -10 to -5%               | 0                      |
| -5 to 0%                 | 3                      |
| 0 to 2%                  | 437                    |
| 2 to 4%                  | 327                    |
| 4 to 6%                  | 21                     |
| 6 to 8%                  | 0                      |
| 8 to 10%                 | 0                      |
| 10 to 15%                | 0                      |
| 15 to 20%                | 0                      |
| 20% and Over             | 0                      |
| No assets                | 1                      |
| Grand Total              | 789                    |

excludes rev credit account

| Year to Date Rate of Return | Participant Count     |
|-----------------------------|-----------------------|
| Average ROR Range           | 1/1/2014 - 12/31/2014 |
| Less than -10%              |                       |
| -10 to -5%                  | 1                     |
| -5 to 0%                    | 6                     |
| 0 to 2%                     | 32                    |
| 2 to 4%                     | 72                    |
| 4 to 6%                     | 468                   |
| 6 to 8%                     | 161                   |
| 8 to 10%                    | 47                    |
| 10 to 15%                   | 18                    |
| 15 to 20%                   | 1                     |
| 20% and Over                |                       |
| No assets                   | 2                     |
| Grand Total                 | 808                   |

\*\*\*

excludes rev credit account

\*ROR based on the average assets (Beginning + Ending / 2)  
Earnings/Average balance = ROR



## **Section IV**

### **Appendix**

# Fee Policy Statement

Company: **Juniata College**

Plan Name: **Juniata College 403(b) Plan**

Plan Type: **ERISA 403(b) Plan**

Date: **01/01/2015**

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## Purpose

The company sponsors the Plan (as defined above), a qualified retirement plan governed by the Employee Retirement Income Securities Act of 1974 ("ERISA"), as amended. ERISA permits the Plan's assets to be used for just two purposes:

- To pay benefits
- Cover reasonable fees of administering the Plan

The Plan's Fiduciaries (the "Fiduciaries") recognize that the decision to pay expenses from the Plan's assets is a fiduciary decision subject to ERISA. As such, it is the Fiduciaries intent to prudently discharge their duties solely in the interest of the Plan's participants and beneficiaries and to defray the reasonable expenses of administering the Plan.

## Fee Policies

The Fiduciaries will periodically review disclosures provided by the Plan's covered service providers ("CSP") to ensure that:

- The services are necessary for the operation of the Plan
- The arrangements are reasonable
- All fees paid from Plan assets are reasonable, appropriate (paid only for *non-settlor* services), and are permitted by the Plan documents

To the extent any administrative costs are paid by the Plan's participants, the Fiduciaries, after weighing competing interests of various classes of the Plan's participants and the effects of various allocation methods on those interests, have determined it reasonable to allocate such costs based upon the following method:

- ☐ Paid by the Plan
- ☐ Paid by the Company
- ☒ Hybrid – fees will be allocated as follows:

| Expense Type                                    | Paid by Plan | Paid by Company | Individual |
|-------------------------------------------------|--------------|-----------------|------------|
| Recordkeeping /Administration                   | X            |                 |            |
| Trustee/Custodial                               | X            |                 |            |
| Investment Management                           | X            |                 |            |
| Investment Advisory/Consulting                  |              | X               |            |
| Education/Communication                         | X            |                 |            |
| Auditing/Legal                                  | X            | X               |            |
| Transactions (Loans, DROs, Distributions, etc.) |              |                 | X          |
| Other                                           |              |                 |            |

## Monitoring

The Fiduciaries will periodically monitor the fee policies to ensure they continue to be appropriate and will periodically reconcile Plan expenses to ensure they are correctly calculated and allocated.

## Acceptance

Adopted by: \_\_\_\_\_

Plan Fiduciary Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Plan Fiduciary Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## Types of Fees

The following fees are typically considered **non-settlor** and may be paid from plan assets:

|                        |                                                                                                                |                                                             |
|------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| • Recordkeeping Fees   | • Reporting Fees                                                                                               | • Investment Management Fees                                |
| • Trustee Fees         | • Participant Communication Fees (SPDs, etc.)                                                                  | • Plan Fidelity Bond Fee                                    |
| • Custodial Fees       | • Participant Education Fees                                                                                   | • Loan Administration Fees                                  |
| • Plan Accounting Fees | • Legal Fees (related to non-settlor functions, i.e., preparation of legally-required ongoing plan amendments) | • Fees Associated with IRS Determination Letter Application |
| • Plan Audit Fees      | • Plan Actuarial Service Fees                                                                                  | • DRO Fees                                                  |

The following fees are typically considered **settlor** and **cannot** be paid from plan assets:

|                                                                           |                                                      |                                              |
|---------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------|
| • Plan Design or other fees associated with the establishment of the Plan | • Fees associated with Discretionary Plan Amendments | • Amendment of Plan for a merger or spin-off |
| • Plan Termination Fees                                                   |                                                      |                                              |

# 2015 Client Calendar

for

## Juniata College

### Juniata College 403(b) Plan

| CLIENT ACTIVITY                           | Q1 2015                                                                                                                            | Q2 2015                                                                                               | Q3 2015                                                                                          | Q4 2015                                                                 |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Overall Business Plan / Annual Goals      | <ul style="list-style-type: none"> <li>Implement Previous year's goals</li> </ul>                                                  |                                                                                                       | <ul style="list-style-type: none"> <li>Goals for Next Year</li> </ul>                            |                                                                         |
| Fiduciary Activities                      | <ul style="list-style-type: none"> <li>IPS overview/update</li> <li>Meeting Minutes</li> <li>Discuss plan consolidation</li> </ul> | <ul style="list-style-type: none"> <li>Meeting Minutes</li> </ul>                                     | <ul style="list-style-type: none"> <li>Monitor IPS adherence</li> <li>Meeting Minutes</li> </ul> | <ul style="list-style-type: none"> <li>Meeting Minutes</li> </ul>       |
| Plan Assessment / Benchmarking            |                                                                                                                                    |                                                                                                       |                                                                                                  |                                                                         |
| Industry / Regulatory Awareness & Updates |                                                                                                                                    | <ul style="list-style-type: none"> <li>408(b)2 Plan Sponsor and Participant Fee Disclosure</li> </ul> |                                                                                                  |                                                                         |
| Investment Reviews / Updates              | <ul style="list-style-type: none"> <li>Quarterly Plan Review</li> </ul>                                                            | <ul style="list-style-type: none"> <li>Quarterly Plan Review</li> </ul>                               | <ul style="list-style-type: none"> <li>Quarterly Plan Review</li> </ul>                          | <ul style="list-style-type: none"> <li>Quarterly Plan Review</li> </ul> |
| Client / Participant Education            |                                                                                                                                    |                                                                                                       | <ul style="list-style-type: none"> <li>Beneficiary mailing</li> </ul>                            |                                                                         |
| Client Communication / Feedback           |                                                                                                                                    |                                                                                                       |                                                                                                  |                                                                         |

**Plan Advisor:** Thomas J. Scalici, CFP®, CEBS®, AIF®

**Client Service Team:** Tiffany Gilbert, AIF®, ChFC®, CASL™, Director Client Service Operations  
Chris Derocher, CEBS®, QKA Client Account Manager  
Trevor Reid, AIF®, Investment Analyst  
Kim Cottrell, Executive Assistant

# Glossary

## MARKET INDICES

**Citigroup 90-Day Treasury Bill Index** is an unmanaged index that tracks short-term U.S. government debt instruments.

**Barclays Capital Aggregate Bond Index** is a market capitalization-weighted index, meaning the securities in the index are weighted according to the market size of each bond type. Most U.S. traded investment grade bonds are represented. Municipal bonds and Treasury Inflation-Protected Securities (TIPS) are excluded, due to tax treatment issues. The index includes US Treasury Securities (non TIPS), Government agency bonds, Mortgage backed bonds, Corporate bonds, and a small amount of foreign bonds traded in U.S.

**Barclays Capital 1-3 Year Government/Credit Index** is a total return index that incorporates all bonds in both the Treasury Bond Index and the Agency Bond Index, as well as U.S. corporate and some foreign debentures and secured notes, with maturities of one to three years.

**Barclays Capital 1-3 Year U.S. Government Index** is a broad measure of the performance of short-term government bonds.

**Barclays Capital Global Aggregate Bond** provides a broad-based measure of the global investment-grade fixed-rate debt markets. The three major components of this index are the US Aggregate, the Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The Global Aggregate Bond Index ex-US excludes the US Aggregate component.

**Barclays Capital Global Emerging Markets Bond Index** consists of the US dollar (USD)-denominated fixed- and floating-rate US Emerging Markets Index and the fixed-rate Pan-European Emerging Markets Index, which is primarily made up of GBP- and EUR-denominated securities. The index includes emerging-markets debt from the following regions: Americas, Europe, Asia, Middle East, and Africa. An emerging market is defined as any country that has a long-term foreign currency debt sovereign rating of Baa1/BBB+/BBB+ or below using the middle rating of Moody's, S&P, and Fitch.

**Barclays Capital High Yield Index** covers the universe of fixed rate, non-investment grade debt, including corporate and non-corporate sectors. Pay-in-kind (PIK) bonds, Eurobonds, and debt issues from countries designated as emerging markets are excluded, but Canadian and global bonds (SEC registered) of issuers in non-emerging market countries are included. Original issue zero coupon bonds, step-up coupon structures, and 144-As are also included.

**Barclays Capital Intermediate Term Government Bond Index** is comprised of approximately 1,000 issues of U.S. Government Treasury and Agency Securities.

**Barclays Capital U.S. Long Government Index** includes fixed income securities issued by the U.S. Treasury (not including inflation-protected bonds) and U.S. government agencies and instrumentalities, as well as corporate or dollar-denominated foreign debt guaranteed by the U.S. government, with maturities greater than 10 years.

**Barclays Capital U.S. Long Government/Credit Bond Index** measures the investment return of all medium and larger public issues of U.S. Treasury, agency, investment-grade corporate, and investment-grade international dollar-denominated bonds with maturities longer than 10 years. The average maturity is approximately 20 years.

**Barclays Capital U.S. Treasury Inflation-Protected Securities (TIPS) Index** is a market value-weighted index that tracks inflation-protected securities issued by the US Treasury. To prevent the erosion of purchasing power, TIPS are indexed to the non-seasonally adjusted Consumer Price Index for All Urban Consumers, or the CPI-U (CPI).

**Barclays Capital U.S. Universal Bond Index** represents the union of the U.S. Aggregate Index, U.S. Corporate High-Yield Index, Investment-Grade 144A Index, Eurodollar Index, U.S. Emerging Markets Index, and the non-ERISA eligible portion of the CMBS Index. The index covers USD-denominated, taxable bonds that are rated either investment-grade or below investment-grade. Some U.S. Universal Index constituents may be eligible for one or more of its contributing subcomponents that are not mutually exclusive. These securities are not double-counted in the index.

**Dow Jones-UBS Commodity Index (DJ-UBSCI)** is composed of futures contracts on physical commodities. Unlike equities, which typically entitle the holder to a continuing stake in a corporation, commodity futures contracts normally specify a certain date for the delivery of the underlying physical commodity. In order to avoid the delivery process and maintain a long futures position, nearby contracts must be sold and contracts that have not yet reached the delivery period must be purchased. This process is known as "rolling" a futures position.

**Dow Jones U.S. Real Estate Index** represents Real Estate Investment Trusts (REIT) and other companies that invest directly or indirectly in real estate through development, management or ownership, including property agencies.

**Merrill Lynch Convertible Bond Index** represents various markets of convertible bonds and provides reliable benchmarks for asset allocation and portfolio management. There are three groups of indexes; the first two, the G300 Global Convertible Master Index and the Global Investment Grade Convertible Master Index, concentrate the larger more liquid issues, and tend to be the most appropriate for benchmarking. The third series of indexes, the Regional All Convertibles Master Indexes, are rules-driven and allow for more detailed analysis.

**MSCI All Country World Index** is a market capitalization weighted equity index of stocks traded in 47 world markets.

**MSCI EAFE Growth Index** is a market capitalization-weighted index that measures the performance of the leading growth stocks in 21 developed countries outside of North America. (The 21 countries include Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom, Australia, New Zealand, Hong Kong, Japan and Singapore.)

**MSCI EAFE Index** is a free float-adjusted market capitalization index designed to measure developed market equity performance, excluding the U.S. and Canada. The MSCI EAFE Index consists of the following 21 developed market country indices: Australia, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Italy, Japan, the Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland and the United Kingdom.

**MSCI EAFE Small Cap Index** is an unmanaged, free float-adjusted, market-weighted index of small capitalization companies in each industry group of each country represented by the MSCI EAFE Index, which is designed to measure the equity market performance of developed markets outside of the U.S. & Canada.

**MSCI EAFE Value Index** is an unmanaged index of value stocks of companies located in Europe, Australasia and the Far East.

**MSCI Emerging Markets Index** is a free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. The MSCI Emerging Markets Index consisted of the following 21 emerging market country indices: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Morocco, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey.

**MSCI Global Small Cap Index** provides an exhaustive representation of the small cap size segment. The indices target companies that are in the Investable Market Index (IMI) but that are not in the Standard Index in each market. The indices cover 24 Developed Markets, 21 Emerging Markets and 26 Frontier Markets.

**Russell 1000 Growth Index** is a market capitalization weighted index that measures the performance of those Russell 1000 companies with higher price-to-book ratio and higher forecasted growth values.

**Russell 1000 Value Index** is a large cap value index measuring the performance of the largest 1,000 U.S. incorporated companies with lower price-to-book ratios and lower forecasted growth values.

**Russell 2000 Index** is composed of the 2000 smallest stocks in the Russell 3000® Index and is widely regarded in the industry as the premier measure of small-cap stock performance.

**Russell 2000 Growth Index** measures the performance of the Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

**Russell 2000 Value Index** is an unmanaged, market-value weighted, value-oriented index comprised of small stocks that have relatively low price to book ratios and lower forecasted growth values.

**Russell Midcap Growth Index** measures the performance of the Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values.

**Russell Midcap Index** is a market capitalization weighted index representing the smallest 800 companies in the Russell 1000 Index. The average Russell Midcap Index member has a market cap of \$8 billion to \$10 billion, with a median value of \$4 billion to \$5 billion.

**Russell Midcap Value Index** measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values.

**S&P 500 Index** is a capitalization-weighted index of 500 stocks. The S&P 500 Index is designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

## DEFINITIONS

**Alpha** is a measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. A positive Alpha figure indicates the portfolio has performed better than its beta would predict. In contrast, a negative Alpha indicates the portfolio has underperformed, given the expectations established by beta.

**Annualized Total Return** is the average amount of money earned by an investment each year over a given time period. An annualized total return provides only a snapshot of an investment's performance and does not give investors any indication of its volatility.

**Beta** is a quantitative measure of the volatility of a given stock, mutual fund, or portfolio, relative to their respective peer group. Specifically, the performance the stock, fund or portfolio has experienced in the last 3 years as their peer group moved 1% up or down. A beta above 1 is more volatile than their respective peer group, while a beta below 1 is less volatile.

**Consumer Price Index** is a measure of the average change in prices for a fixed market basket of goods and services. This market basket is based on the spending patterns of urban wage earners and clerical workers, who represent 40 percent of the total civilian population.

**Down Market Capture Ratio** is the percentage of the total market movement achieved by a manager during a period in which the benchmark decreases.

**Downside Risk** differentiates between "good" risk (upside volatility) and "bad" risk (downside volatility).

**Expense Ratio** includes management fees, distribution (12b-1) fees, other expenses, and any fee waivers or expense reimbursements.

**Inception Date** is the date on which an investment began its operations.

**Information Ratio** is a risk statistic that measures the excess return per unit of residual "non-market" risk in a portfolio.

**Manager Tenure** is the number of years that the current manager has been the portfolio manager for the investment product. For products with more than one manager, the tenure of the manager who has been with the product the longest is shown.

**Median Market Cap** is the midpoint of Market Capitalization (market price multiplied by the number of shares outstanding) of the stocks in a portfolio. Half the stocks in the portfolio will have higher market capitalizations; half will have lower.

**Peer Group % Rankings** is a standardized ranking in which the funds are ranked from 1 to 100 (1 being the best and 100 being the worst) based on their return compared to that of their peers. The rest of the observations are placed an equal distance from each other. All the percentile ranks are based on the peer group (Morningstar or Callan Associates Category).

**Quadrant Rank** is a measure that encompasses both risk and return. It is calculated by comparing the return and standard deviation (A statistical measurement of dispersion about an average, which, for a fund, depicts how widely the returns varied over a certain period of time) to the return and standard deviation of the peer group. This allows a graph to be generated where items are plotted in one of four quadrants. Each quadrant represents an explanation of the manager's ability to produce returns relative to the risk they take.

**Residual Risk** is the unsystematic, firm-specific, or diversifiable risk of a security or portfolio.

**Sharpe Ratio** is a commonly used measure of risk-adjusted return. It is calculated by subtracting the "risk-free" return (usually 3-Month Treasury Bill) from the portfolio return and dividing the resulting "excess return" by the portfolio's risk level (standard deviation). The result is a measure of return gained per unit of risk taken.

**Sortino Ratio** identifies the value added per unit of bad risk. This statistic measures excess return divided by downside risk.

**Standard Deviation** is a historical measure of the variability of a fund's returns. If a fund has a high standard deviation annualized, its returns have been volatile; a low standard deviation indicates returns have been less volatile.

**Total Return** is the actual rate of return of an investment or a pool of investments over a given evaluation period when measuring performance. Total return includes interest, capital gains, dividends and distributions realized over a given period of time.

**Tracking Error** is a statistical measure of a portfolio's risk relative to an index. It reflects the standard deviation of a portfolio's individual quarterly or monthly returns from the indexes returns. Typically, the lower the tracking error, the more "index-like" the portfolio.

**Treynor Ratio** is a risk statistic that measures the excess return per unit of systematic "market" risk taken in a portfolio.

**Up Market Capture Ratio** is the percentage of the total market movement achieved by a manager during a period in which the benchmark increases.

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