

# American Funds Europacific Growth R6 RERGX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Portfolio Manager(s)

- Carl Kawaja since 06-2001
- Nicholas Grace since 06-2002
- Sung Lee since 06-2002
- Jesper Lyckeus since 06-2004
- Jonathan Knowles since 06-2006
- Andrew Suzman since 06-2007
- Christopher Thomsen since 06-2008
- Lawrence Kymisis since 06-2014
- Lara Pellini since 10-2014
- Gerald Manoir since 01-2020
- Noriko Chen since 01-2020

## Quantitative Screens

**Performance:** The fund has finished in the Foreign Large Growth category's top three quartiles in 10 of the 10 years it's been in existence.

**Management:** The fund's management has been in place for 18.59 years.

**Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.49 is 55.86% lower than the Foreign Large Growth category average.

## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 2.05   | -     | 2.84   |
| Beta               | 1.07   | -     | 1.03   |
| R-Squared          | 92.31  | -     | -      |
| Standard Deviation | 12.25  | 10.96 | 12.25  |
| Sharpe Ratio       | 0.88   | 0.73  | 0.89   |
| Tracking Error     | 3.49   | -     | 4.87   |
| Information Ratio  | 0.83   | -     | 0.66   |
| Up Capture Ratio   | 107.42 | -     | 105.20 |
| Down Capture Ratio | 90.51  | -     | 83.81  |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.75 | 16.19 | 17.86 |
| Price/Book Ratio     | 1.88  | 1.58  | 2.37  |
| Geom Avg Mkt Cap \$B | 39.57 | 35.93 | 31.37 |
| ROE                  | 19.74 | 15.50 | 19.30 |

# American Funds Europacific Growth R6 RERGX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 12-31-2019

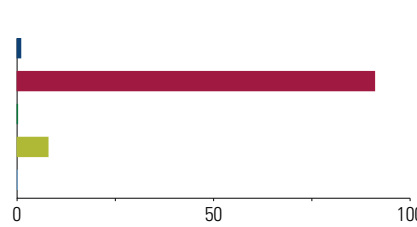
Morningstar Style Box™



## Style Breakdown

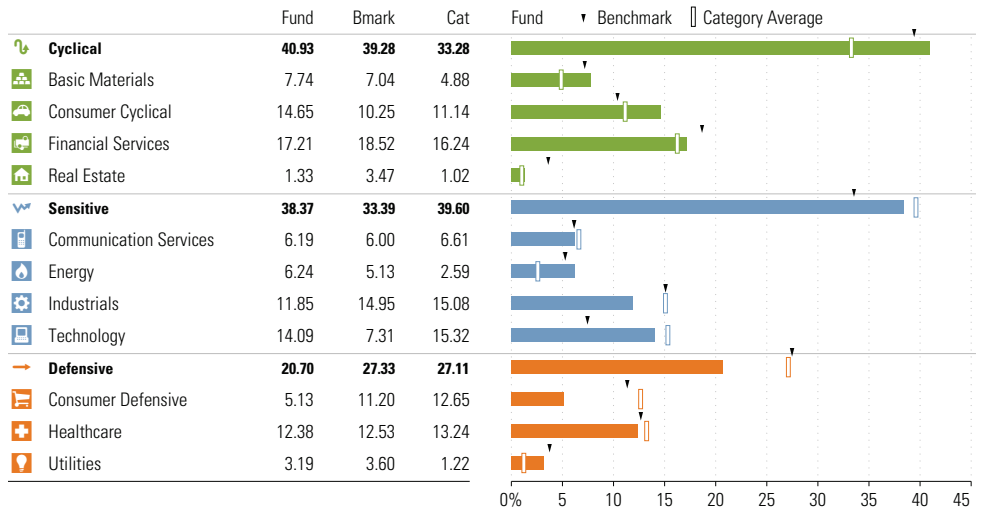


## Asset Allocation as of 12-31-2019

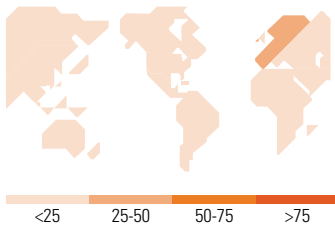


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 9.93          | 8.42          |
| Non-US Stocks | 90.97         | 88.07         |
| Bonds         | 0.13          | 0.04          |
| Cash          | 7.87          | 3.11          |
| Other         | 0.10          | 0.35          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## World Regions % Equity 12-31-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Market Maturity   | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 47.62  | 31.55 | Americas      | 11.55  | 15.11 | Greater Europe | 40.81  | 53.32 | Developed Markets | 71.76  |
| Japan            | 15.83  | 13.98 | North America | 4.96   | 13.03 | United Kingdom | 9.53   | 11.74 | Emerging Markets  | 28.24  |
| Australasia      | 1.16   | 2.07  | Central/Latin | 6.59   | 2.08  | W euro-ex UK   | 29.57  | 40.44 | Not Available     | 0.00   |
| Asia-4 Tigers    | 10.10  | 6.36  |               |        |       | Emrgng Europe  | 0.81   | 0.45  |                   |        |
| Asia-ex 4 Tigers | 20.53  | 9.14  |               |        |       | Africa         | 0.90   | 0.69  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 12-31-2019

| Name  | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|-------------|--------------|--------------|--------------------|
| ⊕ Capital Group Central Cash Fund           | 8.19        | 8.19         | —            | —                  |
| ⊕ Reliance Industries Ltd                   | 2.72        | 10.91        | 35.61        | Energy             |
| ⊖ Airbus SE                                 | 2.66        | 13.57        | 57.37        | Industrials        |
| HDFC Bank Ltd                               | 2.20        | 15.77        | 20.86        | Financial Services |
| ⊖ AIA Group Ltd                             | 2.19        | 17.95        | 27.81        | Financial Services |
| ⊖ Nintendo Co Ltd                           | 2.16        | 20.12        | 53.25        | Communication Svc  |
| ⊖ ASML Holding NV                           | 2.16        | 22.27        | 94.55        | Technology         |
| ⊖ Daiichi Sankyo Co Ltd                     | 1.51        | 23.78        | 107.86       | Healthcare         |
| ⊕ Recruit Holdings Co Ltd                   | 1.39        | 25.17        | 55.06        | Industrials        |
| ⊖ Taiwan Semiconductor Manufacturing Co Ltd | 1.39        | 26.56        | 52.33        | Technology         |

**Total Holdings 326**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds Washington Mutual R6 RWMGX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Portfolio Manager(s)

- Alan Berro since 07-1997
- Jeffrey Lager since 07-2004
- Alan Wilson since 07-2013
- Jin Lee since 07-2014
- Eric Stern since 11-2014
- Brady Enright since 07-2016
- Mark Casey since 07-2016

## Quantitative Screens

**Performance:** The fund has finished in the Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

**Management:** The fund's management has been in place for 22.52 years.

**Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.29 is 67.42% lower than the Large Blend category average.

## Growth of \$10,000

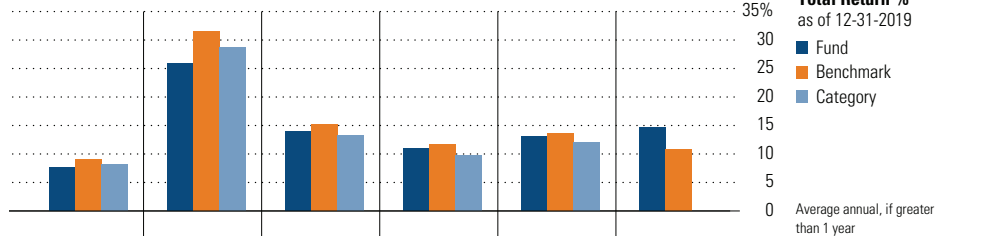


| 2010  | 2011 | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | YTD   | History               |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|
| 13.69 | 7.35 | 12.85 | 32.34 | 11.53 | 0.12  | 13.73 | 20.54 | -2.66 | 25.93 | Total Return %        |
| -1.37 | 5.24 | -3.15 | -0.05 | -2.16 | -1.26 | 1.77  | -1.29 | 1.72  | -5.56 | +/- Benchmark         |
| -0.32 | 8.62 | -2.11 | 0.84  | 0.57  | 1.19  | 3.36  | 0.10  | 3.61  | -2.85 | +/- Category          |
| 44    | 6    | 72    | 39    | 34    | 8     | 58    | 10    | 12    | 82    | Tot Ret % Rank in Cat |
| 816   | 862  | 899   | 948   | 1,008 | 1,066 | 1,140 | 1,210 | 1,320 | 1,394 | # of Funds in Cat     |
| 22    | 25   | 22    | 22    | 19    | 24    | 30    | 21    | 25    | 25    | Turnover %            |
| -     | -    | 0.31  | 0.30  | 0.30  | 0.30  | 0.30  | 0.30  | 0.29  | 0.29  | Expense Ratio         |

## Morningstar Investment Management LLC Analysis

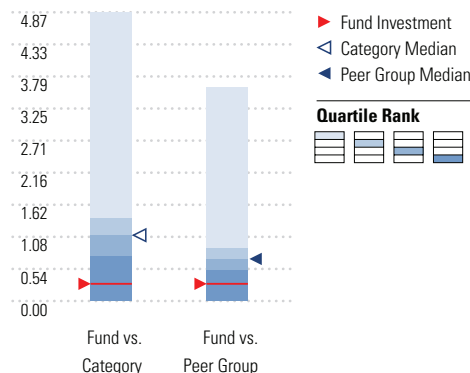
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Trailing Performance



| 3 Month | 1 Year | 3 year | 5 year | 10 year | Since Inception |                        |
|---------|--------|--------|--------|---------|-----------------|------------------------|
| 7.67    | 25.93  | 13.90  | 10.96  | 13.09   | 14.74           | Fund Return %          |
| 9.07    | 31.49  | 15.27  | 11.70  | 13.56   | 10.79           | Benchmark Return %     |
| 8.15    | 28.78  | 13.26  | 9.78   | 12.03   | -               | Category Average %     |
| 68      | 82     | 49     | 35     | 28      | -               | % Rank in Category     |
| 1,444   | 1,394  | 1,210  | 1,065  | 815     | -               | # of Funds in Category |

## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund  | Bmark | Cat   |
|--------------------|-------|-------|-------|
| Alpha              | 1.08  | -     | -1.42 |
| Beta               | 0.83  | -     | 0.95  |
| R-Squared          | 96.33 | -     | 94.36 |
| Standard Deviation | 10.28 | 12.10 | 11.87 |
| Sharpe Ratio       | 1.15  | 1.10  | 0.96  |
| Tracking Error     | 2.82  | -     | 2.89  |
| Information Ratio  | -0.49 | -     | -1.41 |
| Up Capture Ratio   | 87.58 | -     | 90.48 |
| Down Capture Ratio | 82.82 | -     | 97.68 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 18.30 | 18.71 | 17.87 |
| Price/Book Ratio     | 2.86  | 2.74  | 2.65  |
| Geom Avg Mkt Cap \$B | 92.42 | 73.09 | 97.84 |
| ROE                  | 22.96 | 21.80 | 22.01 |

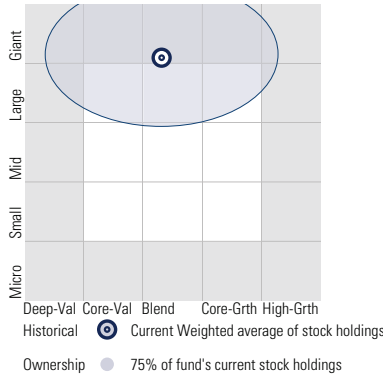
# American Funds Washington Mutual R6 RWMGX

**Morningstar Category**  
Large Blend

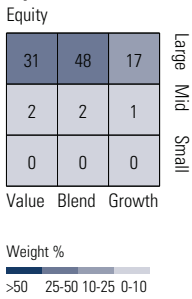
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 12-31-2019

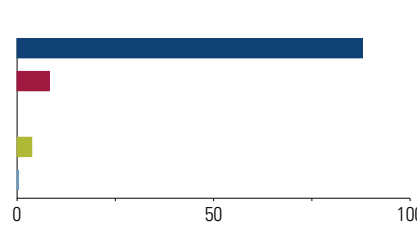
Morningstar Style Box™



## Style Breakdown

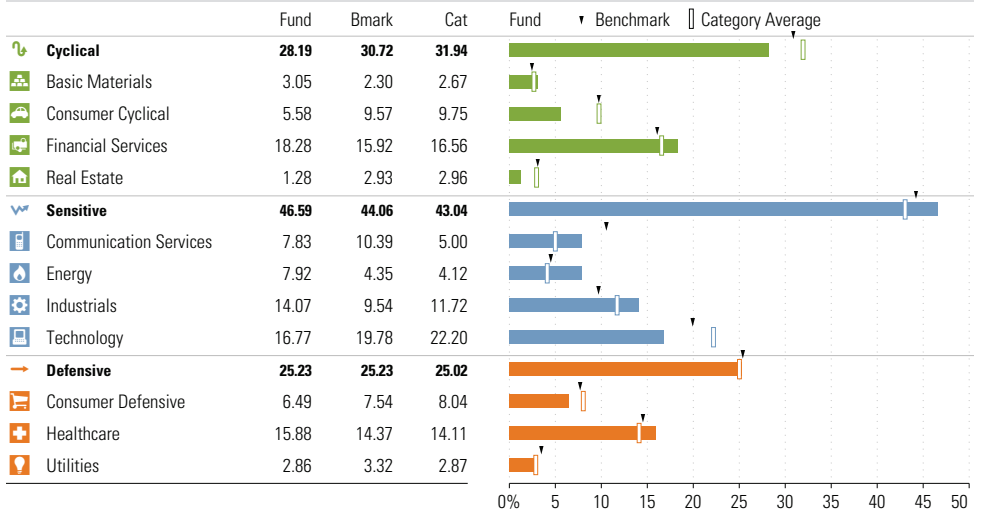


## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 87.81         | 94.41         |
| Non-US Stocks | 8.16          | 3.02          |
| Bonds         | 0.00          | 0.33          |
| Cash          | 3.72          | 0.74          |
| Other         | 0.32          | 1.50          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

| Name                             | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|----------------------------------|-------------|--------------|--------------|--------------------|
| Microsoft Corp                   | 6.14        | 6.14         | 57.12        | Technology         |
| Capital Group Central Cash Fund  | 3.66        | 9.80         | -            | -                  |
| Broadcom Inc                     | 3.26        | 13.07        | 28.68        | Technology         |
| Comcast Corp Class A             | 3.07        | 16.14        | 33.92        | Communication Svc  |
| UnitedHealth Group Inc           | 2.98        | 19.13        | 19.67        | Healthcare         |
| Intel Corp                       | 2.81        | 21.93        | 30.22        | Technology         |
| Boeing Co                        | 2.47        | 24.40        | 3.56         | Industrials        |
| CME Group Inc Class A            | 2.22        | 26.62        | 9.62         | Financial Services |
| Northrop Grumman Corp            | 2.20        | 28.83        | 42.56        | Industrials        |
| Merck & Co Inc                   | 2.14        | 30.96        | 21.99        | Healthcare         |
| JPMorgan Chase & Co              | 2.11        | 33.08        | 46.18        | Financial Services |
| Marsh & McLennan Companies Inc   | 1.96        | 35.04        | 41.88        | Financial Services |
| Humana Inc                       | 1.87        | 36.91        | 28.71        | Healthcare         |
| The Home Depot Inc               | 1.81        | 38.72        | 30.26        | Consumer Cyclical  |
| PNC Financial Services Group Inc | 1.75        | 40.48        | 40.13        | Financial Services |

**Total Holdings 160**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Portfolio Manager(s)

Charles Groeschell since 09-2000  
 Daniel Tranchita since 09-2000  
 Gary Elfe since 09-2000  
 M. deGuzman since 09-2000  
 Mary Stanek since 09-2000  
 Warren Pierson since 09-2000  
 Meghan Dean since 05-2019  
 Jay Schwister since 05-2019  
 Jeffrey Schrom since 05-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core Bond category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.27 years.

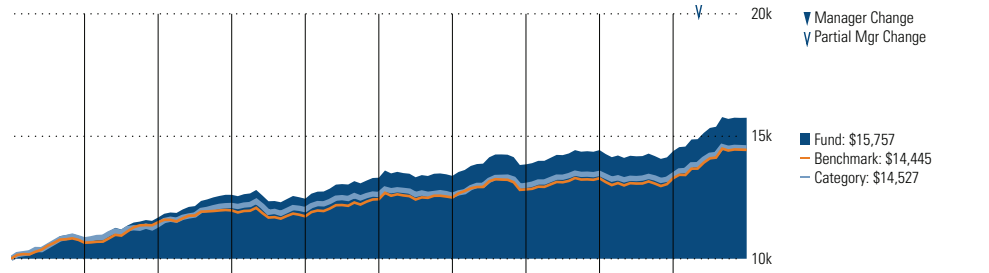
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 53.85% lower than the Intermediate Core Bond category average.

## Morningstar Investment Management LLC Analysis

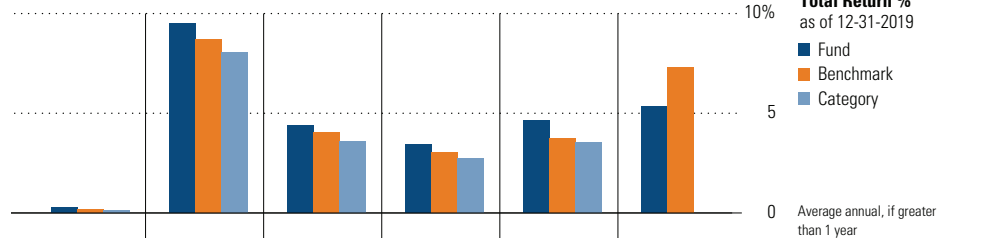
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Growth of \$10,000



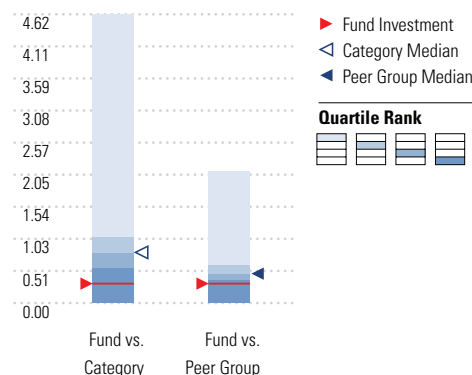
| 2010 | 2011 | 2012 | 2013  | 2014 | 2015 | 2016 | 2017 | 2018  | YTD  | History               |
|------|------|------|-------|------|------|------|------|-------|------|-----------------------|
| 8.34 | 7.85 | 7.92 | -1.25 | 6.89 | 0.55 | 3.52 | 4.20 | -0.30 | 9.48 | Total Return %        |
| 1.80 | 0.01 | 3.71 | 0.77  | 0.92 | 0.00 | 0.87 | 0.66 | -0.31 | 0.76 | +/- Benchmark         |
| 0.62 | 1.99 | 0.91 | 0.17  | 1.71 | 0.81 | 0.29 | 0.49 | 0.20  | 1.42 | +/- Category          |
| 31   | 9    | 34   | 36    | 8    | 22   | 37   | 31   | 41    | 15   | Tot Ret % Rank in Cat |
| 252  | 269  | 288  | 311   | 318  | 328  | 353  | 383  | 408   | 431  | # of Funds in Cat     |
| 41   | 46   | 64   | 28    | 32   | 40   | 36   | 28   | 24    | -    | Turnover %            |
| -    | -    | 0.30 | 0.30  | 0.30 | 0.30 | 0.30 | 0.30 | 0.30  | -    | Expense Ratio         |

## Trailing Performance



| 3 Month | 1 Year | 3 year | 5 year | 10 year | Since Inception | Total Return % as of 12-31-2019 |
|---------|--------|--------|--------|---------|-----------------|---------------------------------|
| 0.30    | 9.48   | 4.38   | 3.43   | 4.65    | 5.34            | Fund Return %                   |
| 0.18    | 8.72   | 4.03   | 3.05   | 3.75    | 7.31            | Benchmark Return %              |
| 0.12    | 8.06   | 3.59   | 2.72   | 3.55    | -               | Category Average %              |
| 26      | 15     | 10     | 8      | 8       | -               | % Rank in Category              |
| 441     | 431    | 383    | 328    | 252     | -               | # of Funds in Category          |

## Net Expense



| Fund vs. Category | Fund vs. Peer Group | Percentile Rank |
|-------------------|---------------------|-----------------|
| 17                | 14                  | 75/434          |
|                   |                     | 40/286          |

Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 0.39   | -     | -0.04 |
| Beta               | 0.99   | -     | 0.90  |
| R-Squared          | 99.21  | -     | 94.83 |
| Standard Deviation | 2.89   | 2.91  | 2.70  |
| Sharpe Ratio       | 0.92   | 0.80  | 0.70  |
| Tracking Error     | 0.26   | -     | 0.65  |
| Information Ratio  | 1.37   | -     | -0.81 |
| Up Capture Ratio   | 102.92 | -     | 90.67 |
| Down Capture Ratio | 91.45  | -     | 93.11 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 5.87 | 4.43  | 5.31 |
| Avg Eff Maturity | 7.81 | -     | 6.82 |

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

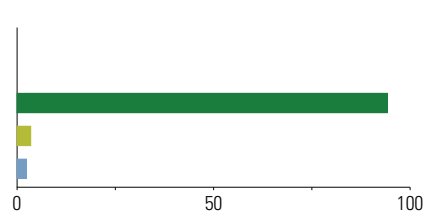
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 12-31-2019

### Style Breakdown



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | 0.05          |
| Non-US Stocks | 0.00          | 0.00          |
| Bonds         | 94.17         | 99.26         |
| Cash          | 3.46          | -2.28         |
| Other         | 2.37          | 2.98          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Credit Rating Breakdown

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 58.90 | 3.53  | 51.61 |
| AA        | 3.10  | 74.59 | 8.79  |
| A         | 17.10 | 10.82 | 17.74 |
| BBB       | 20.60 | 8.32  | 17.22 |
| BB        | 0.30  | 0.28  | 2.29  |
| B         | 0.00  | 0.00  | 0.68  |
| Below B   | 0.00  | 0.00  | 0.44  |
| Not Rated | 0.00  | 2.46  | 1.23  |

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

| Name                                 | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--------------------------------------|---------------|-------------|--------------|---------------------|
| ⊖ United States Treasury Notes 1.88% | 03-2022       | 5.35        | 5.35         | –                   |
| ⊖ United States Treasury Bonds 2.88% | 05-2043       | 3.70        | 9.05         | –                   |
| ⊕ United States Treasury Bonds 2.5%  | 02-2045       | 3.46        | 12.51        | –                   |
| ⊕ First American Government Obligs U | 02-2030       | 3.05        | 15.56        | –                   |
| ⊖ United States Treasury Bonds 3.5%  | 02-2039       | 1.78        | 17.34        | –                   |
| ⊕ United States Treasury Notes 3.13% | 11-2028       | 1.75        | 19.09        | –                   |
| ⊖ United States Treasury Notes 2.25% | 11-2025       | 1.63        | 20.72        | –                   |
| ⊕ United States Treasury Notes 1.63% | 08-2022       | 1.49        | 22.21        | –                   |
| ⊕ United States Treasury Notes 1.75% | 03-2022       | 1.48        | 23.69        | –                   |
| ⊕ United States Treasury Notes 2%    | 11-2026       | 1.18        | 24.87        | –                   |

## Total Holdings 1193

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# BlackRock Global Allocation Instl MALOX

**Morningstar Category**  
World Allocation

**Morningstar Index**  
Morningstar Gbl Allocation TR USD

## Portfolio Manager(s)

Dan Chamby since 12-2003  
 Russ Koesterich since 01-2017  
 David Clayton since 01-2017  
 Rick Rieder since 04-2019

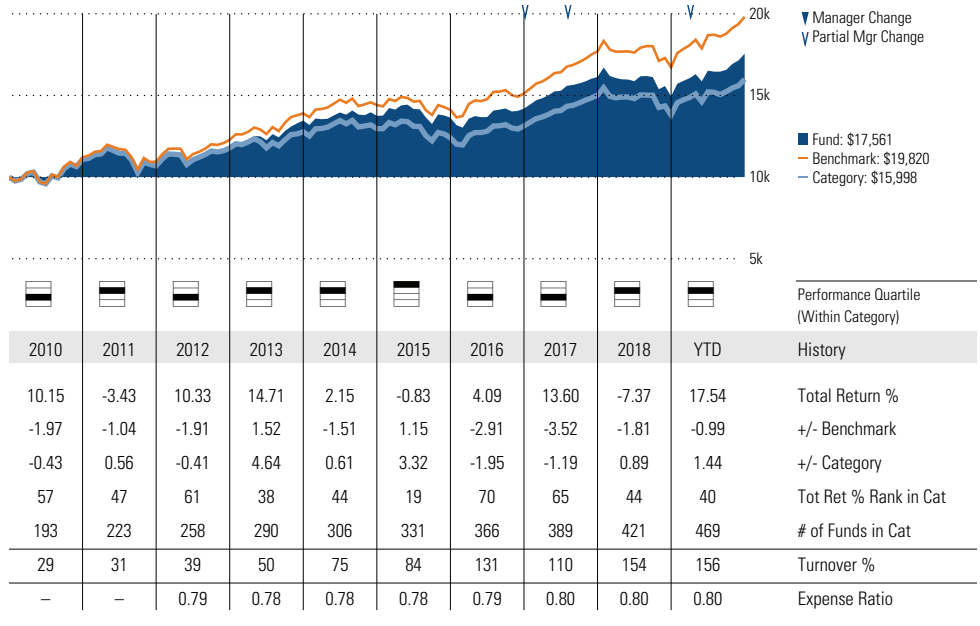
## Quantitative Screens

- Performance:** The fund has finished in the World Allocation category's top three quartiles in 10 of the 10 years it's been in existence.
- Management:** The fund's management has been in place for 16.01 years.
- Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.
- Net Expense:** The fund's expense ratio of 0.8 is 29.82% lower than the World Allocation category average.

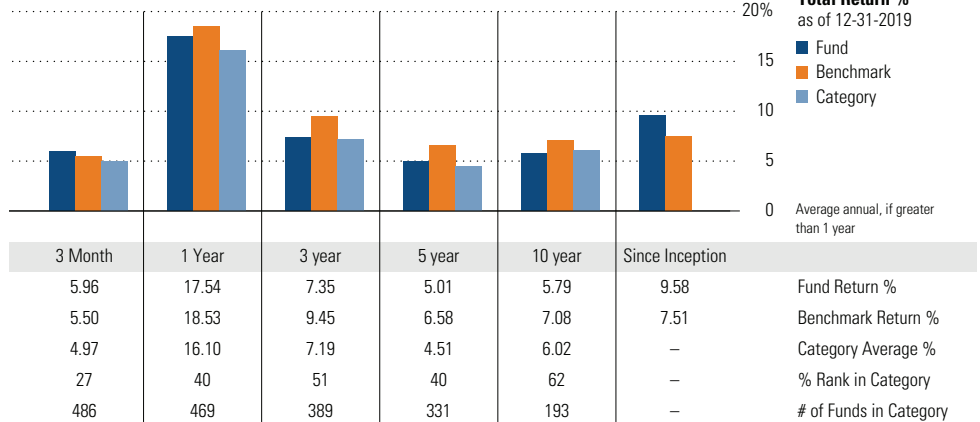
## Morningstar Investment Management LLC Analysis

In April 2019, BlackRock named its CIO for global fixed income, Rick Rieder, lead of the global allocation investment team and comanager on this fund alongside Dan Chamby, Russ Koesterich, and David Clayton. It also announced that Chamby, the longest-tenured manager here after the strategy's co-founder Dennis Stattman retired in 2017, would retire by March 2020, while Kent Hogshire, who had been on a leave of absence since July 2018, was leaving the firm. Rieder and the fixed-income team he leads are well regarded, and we do not believe these changes augur any significant alterations to the fund's historical investment approach. Nevertheless, these changes do increase uncertainty around the strategy, so we will keep it on watch as we monitor how it evolves under its new management structure.

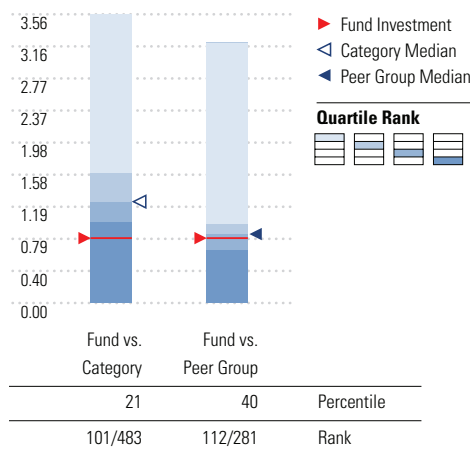
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | -1.87  | -     | -2.40  |
| Beta               | 0.99   | -     | 1.04   |
| R-Squared          | 97.85  | -     | 86.39  |
| Standard Deviation | 6.93   | 6.92  | 7.79   |
| Sharpe Ratio       | 0.81   | 1.09  | 0.72   |
| Tracking Error     | 1.02   | -     | 2.94   |
| Information Ratio  | -2.06  | -     | -0.90  |
| Up Capture Ratio   | 87.52  | -     | 89.88  |
| Down Capture Ratio | 102.81 | -     | 112.09 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 15.89 | 17.00 | 15.99 |
| Price/Book Ratio     | 1.82  | 1.95  | 1.91  |
| Avg Eff Duration     | 4.40  | -     | 3.39  |

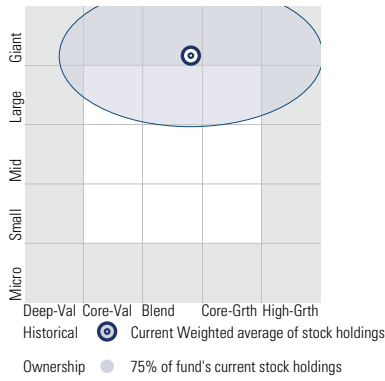
# BlackRock Global Allocation Instl MALOX

**Morningstar Category**  
World Allocation

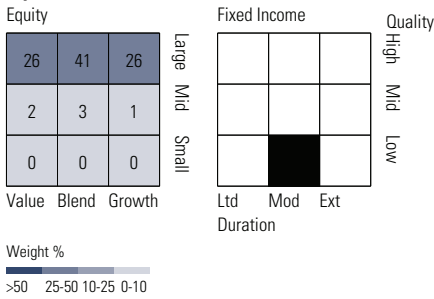
**Morningstar Index**  
Morningstar Gbl Allocation TR USD

## Style Analysis as of 12-31-2019

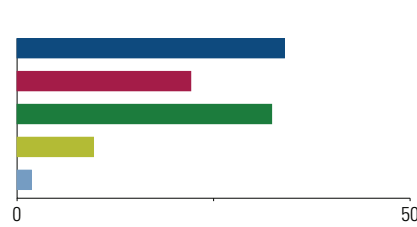
Morningstar Style Box™



## Style Breakdown

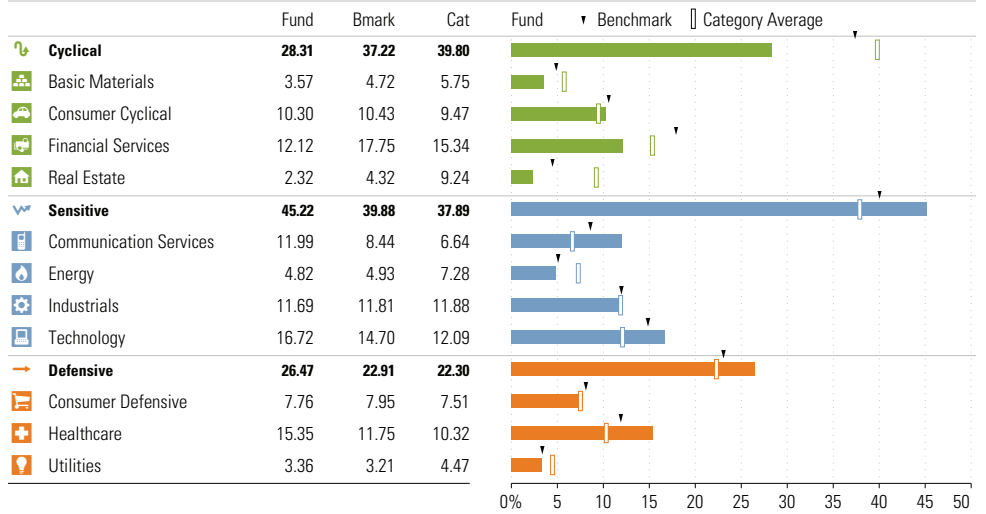


## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 34.01         | 29.34         |
| Non-US Stocks | 22.09         | 25.19         |
| Bonds         | 32.38         | 31.80         |
| Cash          | 9.72          | 6.72          |
| Other         | 1.81          | 6.94          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

| Name                                 | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--------------------------------------|---------------|-------------|--------------|--------------|--------------------|
| ⊕ United States Treasury Notes 0.5%  | 04-2024       | 4.30        | 4.30         | -            | -                  |
| ⊖ United States Treasury Notes 2.38% | 05-2029       | 3.18        | 7.48         | -            | -                  |
| ⊕ Umbs 30yr Tba(Reg A)               | -             | 3.06        | 10.54        | -            | -                  |
| ⊕ United States Treasury Notes 1.88% | 07-2026       | 2.01        | 12.56        | -            | -                  |
| ⊖ Microsoft Corp                     | -             | 1.81        | 14.36        | 57.12        | Technology         |
| ⊕ Apple Inc                          | -             | 1.65        | 16.01        | 88.09        | Technology         |
| ⊖ Alphabet Inc Class C               | -             | 1.55        | 17.57        | 29.10        | Communication Svc  |
| ⊕ Canada (Government of) 1.5%        | 09-2024       | 1.23        | 18.80        | -            | -                  |
| ⊖ JPMorgan Chase & Co                | -             | 1.15        | 19.95        | 46.18        | Financial Services |
| ⊕ Amazon.com Inc                     | -             | 1.15        | 21.10        | 23.03        | Consumer Cyclical  |

## Total Holdings 951

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# BlackRock Inflation Protected Bond Instl BPRIX

**Morningstar Category**  
Inflation-Protected Bond

**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

## Portfolio Manager(s)

Christopher Allen since 02-2017  
David Rogal since 03-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Inflation-Protected Bond category's top three quartiles in 10 of the 10 years it's been in existence.

✘ **Management:** The fund's management team has been in place for less than three years.

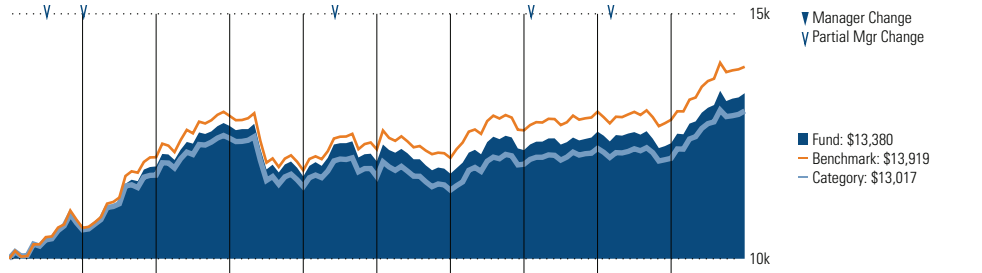
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.5 is 28.57% lower than the Inflation-Protected Bond category average.

## Morningstar Investment Management LLC Analysis

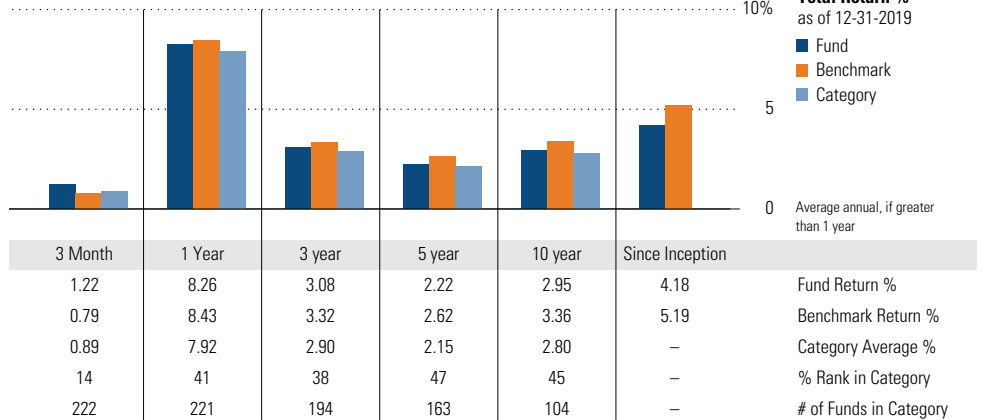
This fund went on watch earlier this year after portfolio manager Martin Hegarty left the firm. His departure followed other turnover on the team in 2017. However, we maintain confidence in the fund due to its solid process and talented underlying resources. Under current portfolio managers David Rogal and Chris Allen, the fund has performed as expected and we believe that they will continue to implement the solid process that has been in place for years.

## Growth of \$10,000

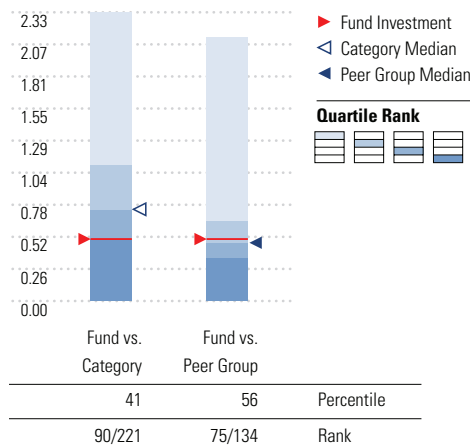


| 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017 | 2018  | YTD   | History               |
|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-----------------------|
| 6.23  | 11.88 | 6.94  | -8.11 | 2.63  | -2.10 | 4.11  | 3.09 | -1.88 | 8.26  | Total Return %        |
| -0.08 | -1.68 | -0.04 | 0.50  | -1.01 | -0.66 | -0.57 | 0.08 | -0.62 | -0.17 | +/- Benchmark         |
| 0.29  | 0.95  | 0.49  | -0.26 | 0.83  | 0.26  | -0.48 | 0.37 | -0.24 | 0.34  | +/- Category          |
| 36    | 51    | 22    | 28    | 39    | 45    | 56    | 31   | 65    | 41    | Tot Ret % Rank in Cat |
| 104   | 127   | 136   | 150   | 156   | 163   | 185   | 194  | 209   | 221   | # of Funds in Cat     |
| 213   | 131   | 120   | 86    | 66    | 61    | 7     | 76   | 176   | -     | Turnover %            |
| -     | -     | 0.43  | 0.44  | 0.44  | 0.44  | 0.36  | 0.40 | 0.50  | -     | Expense Ratio         |

## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -0.15  | -     | 0.11  |
| Beta               | 0.97   | -     | 0.77  |
| R-Squared          | 97.59  | -     | 80.07 |
| Standard Deviation | 2.96   | 3.00  | 2.67  |
| Sharpe Ratio       | 0.47   | 0.54  | 0.34  |
| Tracking Error     | 0.47   | -     | 1.39  |
| Information Ratio  | -0.51  | -     | -0.70 |
| Up Capture Ratio   | 96.50  | -     | 78.88 |
| Down Capture Ratio | 100.97 | -     | 77.28 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 7.74 | 4.52  | 8.03 |
| Avg Eff Maturity | 9.33 | -     | 8.71 |

# BlackRock Inflation Protected Bond Instl BPRIX

**Morningstar Category**  
Inflation-Protected Bond

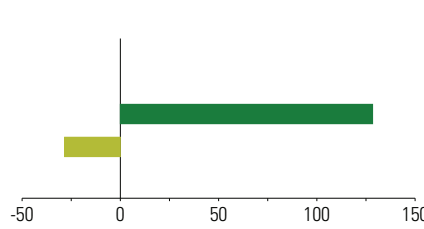
**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

**Style Analysis** as of 12-31-2019

**Style Breakdown**



**Asset Allocation** as of 12-31-2019

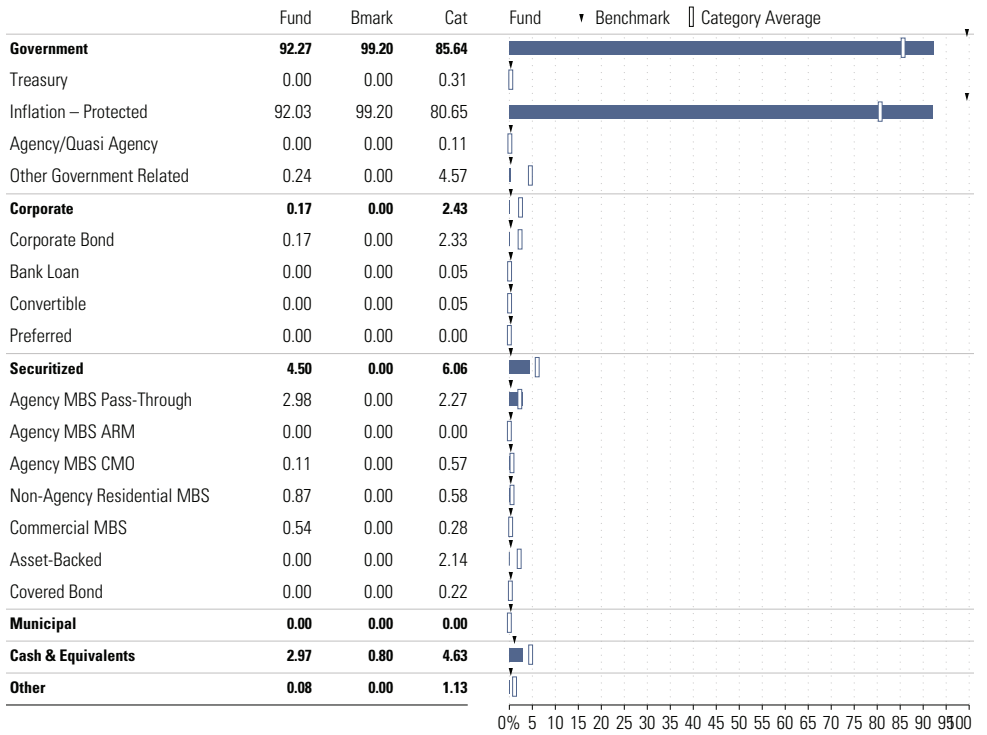


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | 0.00          |
| Non-US Stocks | 0.00          | 0.01          |
| Bonds         | 128.36        | 98.81         |
| Cash          | -28.36        | 0.90          |
| Other         | 0.00          | 0.28          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Credit Rating Breakdown**

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 97.90 | 0.00  | 88.04 |
| AA        | 0.00  | 99.60 | 3.84  |
| A         | 0.22  | 0.00  | 2.34  |
| BBB       | 1.66  | 0.00  | 3.51  |
| BB        | 0.22  | 0.00  | 0.61  |
| B         | 0.00  | 0.00  | 0.19  |
| Below B   | 0.00  | 0.00  | 0.15  |
| Not Rated | 0.00  | 0.40  | 1.32  |

**Sector Weighting** as of 12-31-2019



**Top 10 Holdings** as of 12-31-2019

| Name                                 | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--------------------------------------|---------------|-------------|--------------|---------------------|
| ⊕ Rrp Treasury (Cpi) Note            | –             | 25.80       | 25.80        | –                   |
| ⊕ United States Treasury Notes 0.5%  | 04-2024       | 19.16       | 44.97        | –                   |
| ⊖ United States Treasury Notes 0.25% | 01-2025       | 7.33        | 52.29        | –                   |
| ⊖ Usd Cash(Committed)                | –             | 6.53        | 58.82        | –                   |
| ⊖ United States Treasury Notes 0.62% | 04-2023       | 5.54        | 64.37        | –                   |
| ⊖ United States Treasury Notes 0.12% | 04-2021       | 3.69        | 68.06        | –                   |
| ⊖ United States Treasury Notes 0.12% | 04-2022       | 3.61        | 71.67        | –                   |
| ⊖ United States Treasury Notes 0.62% | 01-2024       | 3.59        | 75.26        | –                   |
| ⊖ United States Treasury Notes 0.38% | 07-2023       | 3.58        | 78.84        | –                   |
| ⊖ United States Treasury Notes 0.12% | 07-2022       | 3.54        | 82.38        | –                   |

**Total Holdings 176**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Carillon Eagle Small Cap Growth I HSIIX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Bert Boksen since 12-1995  
Eric Mintz since 03-2011  
Christopher Sassouni since 03-2015

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small Growth category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 24.02 years.

✔ **Style:** The fund has landed in its primary style box — Small Growth — 66.67 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.76 is 37.7% lower than the Small Growth category average.

## Morningstar Investment Management LLC Analysis

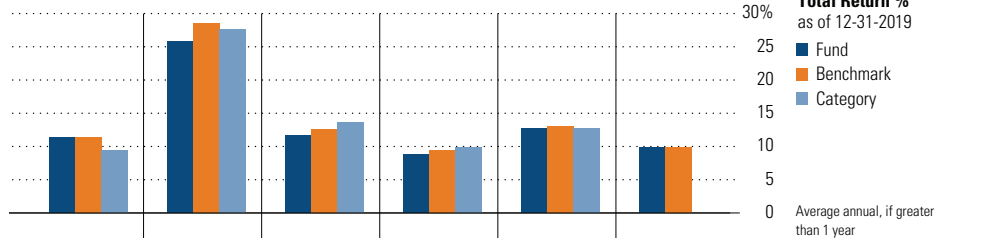
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Growth of \$10,000



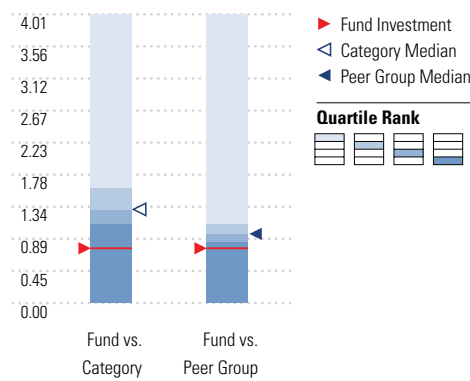
|  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018   | YTD   | History               |
|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-----------------------|
| Performance Quartile (Within Category) | III   | III   | III   | III   | III   | III   | III   | III   | III    | III   | III                   |
| Total Return %                         | 35.72 | -1.62 | 14.60 | 34.52 | 5.43  | -0.50 | 10.28 | 23.28 | -10.17 | 25.76 | Total Return %        |
| +/- Benchmark                          | 6.63  | 1.29  | 0.01  | -8.78 | -0.17 | 0.88  | -1.04 | 1.11  | -0.86  | -2.72 | +/- Benchmark         |
| +/- Category                           | 8.74  | 1.93  | 1.45  | -6.39 | 2.99  | 1.91  | -0.92 | 1.78  | -4.41  | -1.92 | +/- Category          |
| Tot Ret % Rank in Cat                  | 6     | 34    | 37    | 84    | 26    | 27    | 51    | 40    | 78     | 59    | Tot Ret % Rank in Cat |
| # of Funds in Cat                      | 383   | 404   | 425   | 459   | 481   | 509   | 544   | 574   | 622    | 642   | # of Funds in Cat     |
| Turnover %                             | 49    | 36    | 44    | -     | 37    | 45    | 32    | 40    | 35     | -     | Turnover %            |
| Expense Ratio                          | -     | -     | 0.78  | 0.79  | 0.78  | 0.78  | 0.81  | 0.78  | 0.75   | 0.76  | Expense Ratio         |

## Trailing Performance



|                        | 3 Month | 1 Year | 3 year | 5 year | 10 year | Since Inception |                        |
|------------------------|---------|--------|--------|--------|---------|-----------------|------------------------|
| Fund Return %          | 11.36   | 25.76  | 11.67  | 8.85   | 12.74   | 9.89            | Fund Return %          |
| Benchmark Return %     | 11.39   | 28.48  | 12.49  | 9.34   | 13.01   | 9.85            | Benchmark Return %     |
| Category Average %     | 9.46    | 27.68  | 13.66  | 9.92   | 12.68   | -               | Category Average %     |
| % Rank in Category     | 26      | 59     | 61     | 69     | 52      | -               | % Rank in Category     |
| # of Funds in Category | 654     | 642    | 574    | 509    | 383     | -               | # of Funds in Category |

## Net Expense



|      | 10     | 14     | Percentile |
|------|--------|--------|------------|
| Rank | 65/648 | 56/401 | Rank       |

Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -1.01  | -     | 2.04  |
| Beta               | 1.03   | -     | 0.95  |
| R-Squared          | 95.95  | -     | 90.99 |
| Standard Deviation | 17.50  | 16.60 | 16.64 |
| Sharpe Ratio       | 0.62   | 0.69  | 0.78  |
| Tracking Error     | 3.56   | -     | 4.99  |
| Information Ratio  | -0.23  | -     | 0.28  |
| Up Capture Ratio   | 103.18 | -     | 99.40 |
| Down Capture Ratio | 109.95 | -     | 90.07 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 25.53 | 24.72 | 25.39 |
| Price/Book Ratio     | 3.23  | 3.88  | 3.65  |
| Geom Avg Mkt Cap \$B | 2.67  | 1.66  | 2.80  |
| ROE                  | 9.39  | 10.22 | 9.63  |

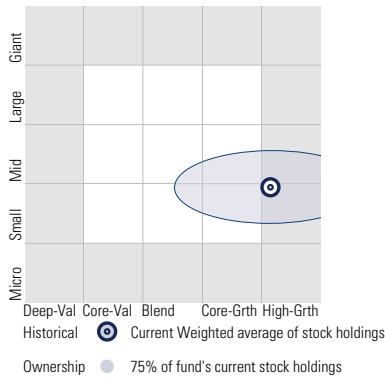
# Carillon Eagle Small Cap Growth I HSIIX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 12-31-2019

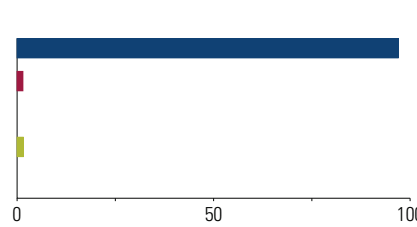
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 96.97         | 93.58         |
| Non-US Stocks | 1.47          | 3.17          |
| Bonds         | 0.00          | 0.00          |
| Cash          | 1.56          | 2.78          |
| Other         | 0.00          | 0.46          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>23.42</b> | <b>23.92</b> | <b>27.52</b> |      |           |                  |
| Basic Materials        | 4.99         | 3.46         | 2.94         |      |           |                  |
| Consumer Cyclical      | 11.69        | 10.05        | 11.52        |      |           |                  |
| Financial Services     | 5.18         | 5.81         | 9.38         |      |           |                  |
| Real Estate            | 1.56         | 4.60         | 3.68         |      |           |                  |
| <b>Sensitive</b>       | <b>45.16</b> | <b>39.68</b> | <b>44.67</b> |      |           |                  |
| Communication Services | 0.78         | 2.66         | 2.17         |      |           |                  |
| Energy                 | 1.15         | 0.65         | 1.39         |      |           |                  |
| Industrials            | 19.56        | 19.13        | 18.12        |      |           |                  |
| Technology             | 23.67        | 17.24        | 22.99        |      |           |                  |
| <b>Defensive</b>       | <b>31.41</b> | <b>36.39</b> | <b>27.81</b> |      |           |                  |
| Consumer Defensive     | 3.39         | 4.36         | 4.91         |      |           |                  |
| Healthcare             | 28.02        | 30.52        | 21.76        |      |           |                  |
| Utilities              | 0.00         | 1.51         | 1.14         |      |           |                  |

## Top 15 Holdings as of 12-31-2019

| Name                                   | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|-------------|--------------|--------------|--------------------|
| Quaker Chemical Corp                   | 2.69        | 2.69         | -6.57        | Basic Materials    |
| Entegris Inc                           | 2.39        | 5.07         | 80.64        | Technology         |
| Woodward Inc                           | 2.20        | 7.27         | 60.30        | Industrials        |
| Cornerstone OnDemand Inc               | 2.11        | 9.38         | 16.10        | Technology         |
| Pegasystems Inc                        | 2.03        | 11.41        | 66.78        | Technology         |
| RealPage Inc                           | 1.94        | 13.35        | 11.54        | Technology         |
| Universal Electronics Inc              | 1.88        | 15.22        | 106.72       | Technology         |
| John Bean Technologies Corp            | 1.84        | 17.06        | 57.44        | Industrials        |
| Hexcel Corp                            | 1.80        | 18.86        | 28.97        | Industrials        |
| Chart Industries Inc                   | 1.78        | 20.64        | 3.78         | Industrials        |
| Cognex Corp                            | 1.75        | 22.40        | 45.45        | Technology         |
| Aerojet Rocketdyne Holdings Inc        | 1.74        | 24.14        | 29.61        | Industrials        |
| Landstar System Inc                    | 1.59        | 25.72        | 19.76        | Industrials        |
| U.S. Bank Money Market Deposit Account | 1.55        | 27.27        | -            | -                  |
| Everi Holdings Inc                     | 1.51        | 28.79        | 160.78       | Consumer Cyclical  |

**Total Holdings 110**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Delaware Small Cap Value Instl DEVIX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Christopher Beck since 05-1997  
Steven Catricks since 07-2012  
Kelley Carabasi since 07-2012  
Kent Madden since 07-2012  
Michael Foley since 07-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small Value category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.68 years.

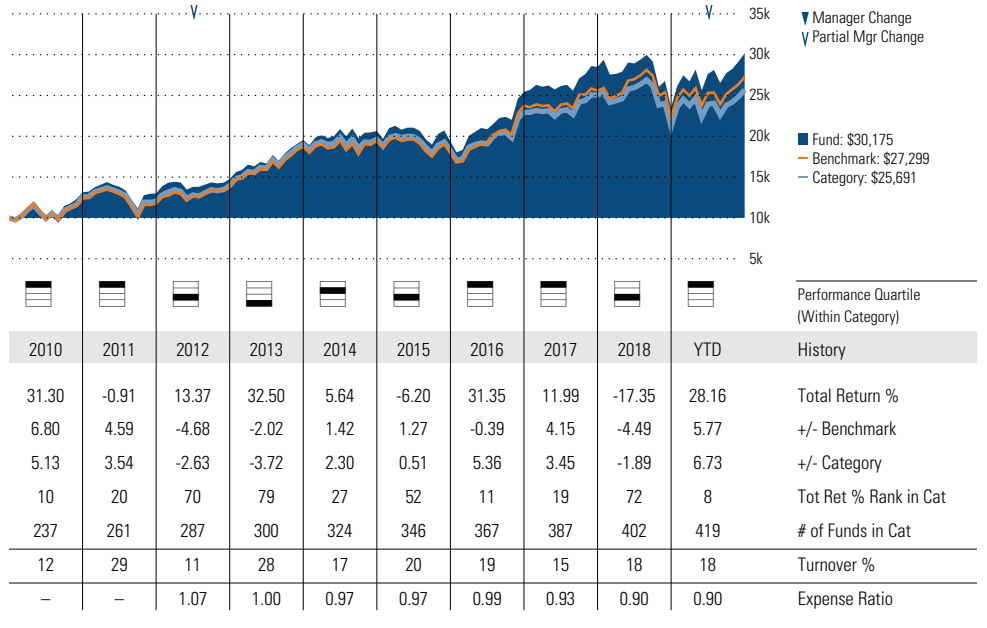
✘ **Style:** The fund has landed in its primary style box — Small Value — 44.12 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.9 is 24.37% lower than the Small Value category average.

## Morningstar Investment Management LLC Analysis

This fund fails our style screen but its portfolio positioning is consistent with the overall investment strategy.

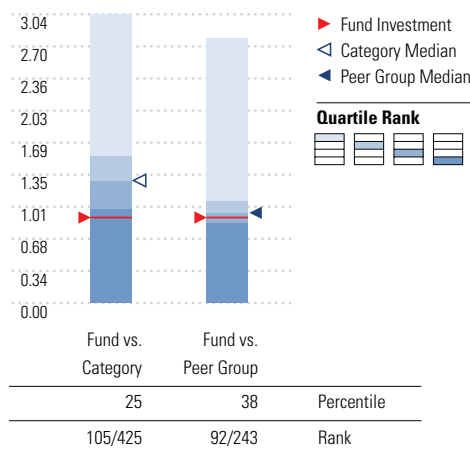
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 1.02   | -     | -0.65  |
| Beta               | 1.03   | -     | 1.01   |
| R-Squared          | 95.15  | -     | 93.78  |
| Standard Deviation | 16.71  | 15.90 | 16.50  |
| Sharpe Ratio       | 0.32   | 0.27  | 0.22   |
| Tracking Error     | 3.70   | -     | 4.17   |
| Information Ratio  | 0.29   | -     | -0.20  |
| Up Capture Ratio   | 105.84 | -     | 96.86  |
| Down Capture Ratio | 101.56 | -     | 100.05 |

## Portfolio Metrics

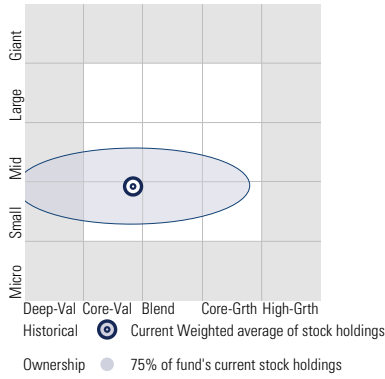
| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 18.16 | 18.52 | 18.01 |
| Price/Book Ratio     | 1.88  | 1.45  | 1.65  |
| Geom Avg Mkt Cap \$B | 2.27  | 1.34  | 2.55  |
| ROE                  | 12.76 | 6.22  | 9.71  |

# Delaware Small Cap Value Instl DEVIX

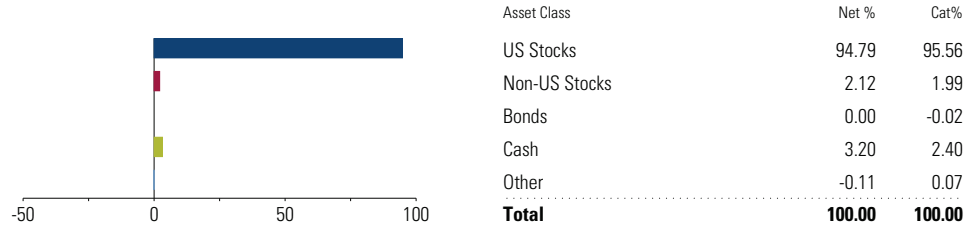
**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

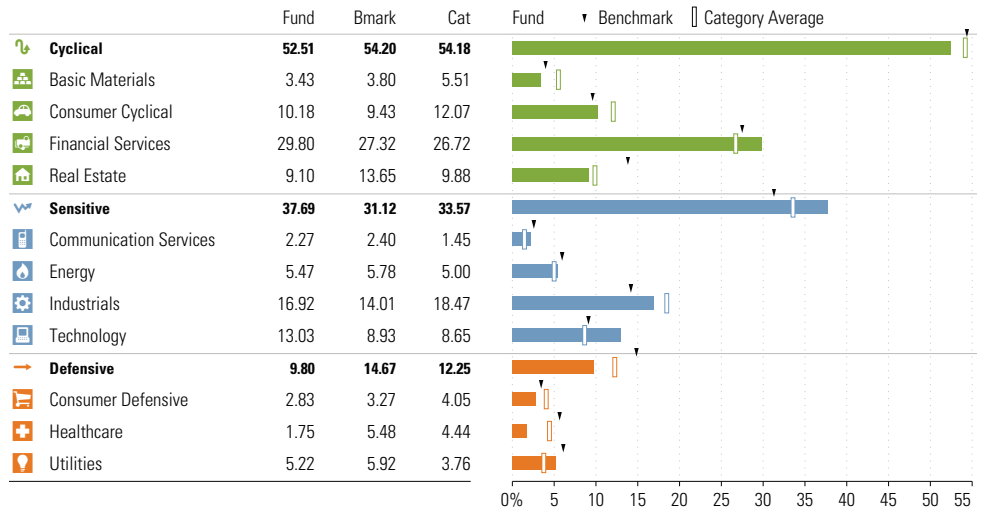
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Asset Allocation** as of 12-31-2019



**Sector Weighting** as of 12-31-2019



**Style Breakdown**



**Top 15 Holdings** as of 12-31-2019

| Name                              | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-----------------------------------|-------------|--------------|--------------|--------------------|
| MasTec Inc                        | 2.70        | 2.70         | 58.19        | Industrials        |
| East West Bancorp Inc             | 2.57        | 5.27         | 14.30        | Financial Services |
| ITT Inc                           | 2.22        | 7.49         | 54.34        | Industrials        |
| Hancock Whitney Corp              | 1.98        | 9.47         | 29.75        | Financial Services |
| Webster Financial Corp            | 1.81        | 11.28        | 11.36        | Financial Services |
| Teradyne Inc                      | 1.70        | 12.97        | 118.45       | Technology         |
| Stifel Financial Corp             | 1.63        | 14.60        | 47.88        | Financial Services |
| ⊕ F N B Corp                      | 1.61        | 16.21        | 33.94        | Financial Services |
| ⊖ The Hanover Insurance Group Inc | 1.47        | 17.69        | 25.35        | Financial Services |
| Western Alliance Bancorp          | 1.47        | 19.16        | 45.61        | Financial Services |
| Outfront Media Inc                | 1.46        | 20.62        | 55.96        | Real Estate        |
| ⊕ Umpqua Holdings Corp            | 1.38        | 22.00        | 16.60        | Financial Services |
| Berry Global Group Inc            | 1.36        | 23.36        | -0.08        | Consumer Cyclical  |
| ⊖ Selective Insurance Group Inc   | 1.33        | 24.69        | 8.34         | Financial Services |
| Black Hills Corp                  | 1.33        | 26.02        | 28.37        | Utilities          |

**Total Holdings 112**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Federated Government Ultrashrt Dur Instl FGUSX

**Morningstar Category**  
Ultrashort Bond

**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Portfolio Manager(s)

Susan Hill since 07-1997  
Liam O'Connell since 11-2010

## Quantitative Screens

✗ **Performance:** The fund has finished in the Ultrashort Bond category's top three quartiles in 5 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.49 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.26 is 43.48% lower than the Ultrashort Bond category average.

## Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen. Its relative performance versus typical peers in the ultrashort bond category has struggled, partly due to its strict adherence to investing in government securities, which have lagged credit instruments.

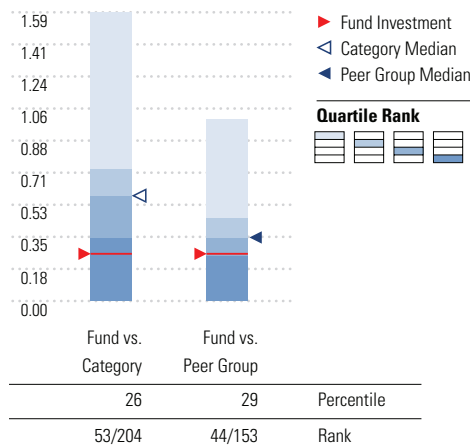
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 1.53   | -     | 1.88   |
| Beta               | 0.04   | -     | 0.04   |
| R-Squared          | 19.51  | -     | 16.38  |
| Standard Deviation | 0.25   | 2.91  | 0.40   |
| Sharpe Ratio       | -0.10  | 0.80  | 0.86   |
| Tracking Error     | 2.81   | -     | 2.83   |
| Information Ratio  | -0.83  | -     | -0.70  |
| Up Capture Ratio   | 19.87  | -     | 23.27  |
| Down Capture Ratio | -25.53 | -     | -33.04 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 0.38 | 4.43  | 0.89 |
| Avg Eff Maturity | 2.62 | -     | 1.73 |

# Federated Government Ultrashrt Dur Instl FGUSX

**Morningstar Category**  
Ultrashort Bond

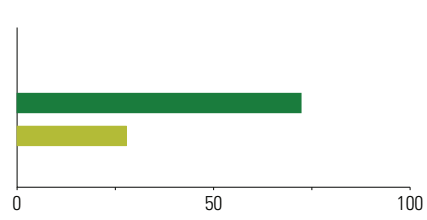
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 12-31-2019

### Style Breakdown



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | 0.00          |
| Non-US Stocks | 0.00          | 0.00          |
| Bonds         | 72.25         | 68.36         |
| Cash          | 27.75         | 29.27         |
| Other         | 0.00          | 2.36          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Credit Rating Breakdown

|           | Fund   | Bmark | Cat   |
|-----------|--------|-------|-------|
| AAA       | 100.00 | 3.53  | 46.67 |
| AA        | 0.00   | 74.59 | 12.35 |
| A         | 0.00   | 10.82 | 22.65 |
| BBB       | 0.00   | 8.32  | 14.09 |
| BB        | 0.00   | 0.28  | 0.85  |
| B         | 0.00   | 0.00  | 0.30  |
| Below B   | 0.00   | 0.00  | 0.21  |
| Not Rated | 0.00   | 2.46  | 2.89  |

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

| Name   | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--|---------------|-------------|--------------|---------------------|
| ⊕ Bmcap Repo 5 Repo                              | 01-2020       | 22.34       | 22.34        | –                   |
| ⊖ Government National Mortgage Association 2.16% | 01-2049       | 4.01        | 26.35        | –                   |
| ⊖ Government National Mortgage Association 2.21% | 01-2049       | 3.43        | 29.78        | –                   |
| ⊖ Government National Mortgage Association 0.82% | 02-2065       | 3.33        | 33.11        | –                   |
| ⊖ Government National Mortgage Association 0.82% | 01-2065       | 3.21        | 36.32        | –                   |
| ⊖ Government National Mortgage Association 2.16% | 09-2046       | 2.72        | 39.04        | –                   |
| ⊖ Government National Mortgage Association 0.59% | 09-2062       | 2.43        | 41.47        | –                   |
| ⊖ Government National Mortgage Association 0.74% | 06-2062       | 2.32        | 43.78        | –                   |
| ⊖ Government National Mortgage Association 2.16% | 10-2046       | 2.23        | 46.02        | –                   |
| ⊖ Government National Mortgage Association 2.16% | 01-2047       | 2.14        | 48.16        | –                   |

## Total Holdings 223

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Fidelity® Contrafund® FCNTX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

William Danoff since 09-1990

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Growth category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 29.31 years.

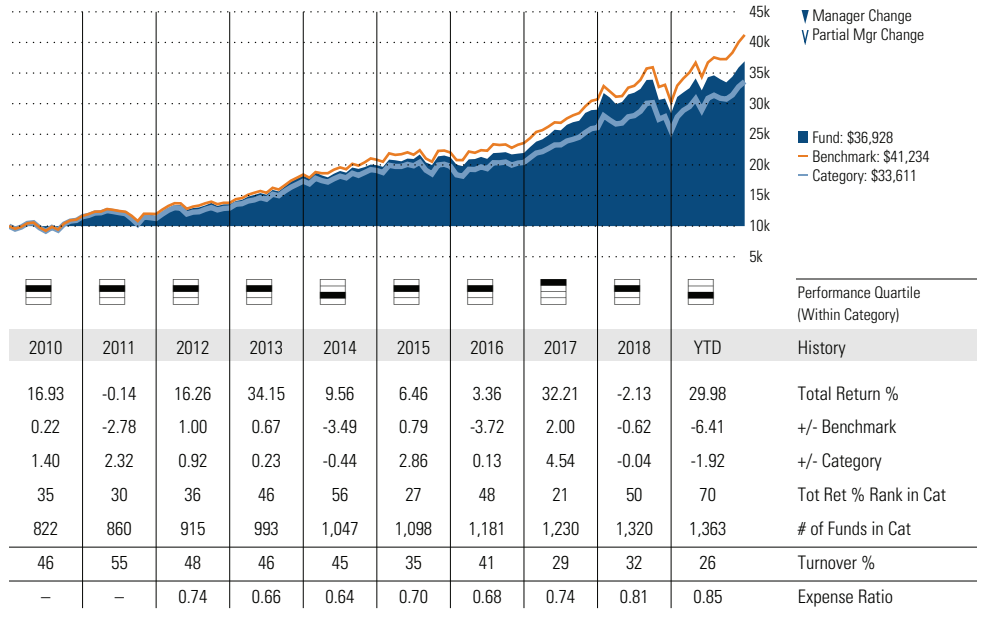
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.81 is 21.36% lower than the Large Growth category average.

## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

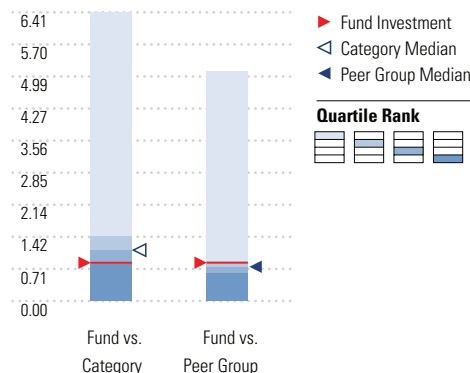
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -1.68  | -     | -1.51 |
| Beta               | 1.02   | -     | 0.99  |
| R-Squared          | 95.74  | -     | 91.69 |
| Standard Deviation | 13.85  | 13.26 | 13.71 |
| Sharpe Ratio       | 1.20   | 1.35  | 1.18  |
| Tracking Error     | 2.87   | -     | 3.96  |
| Information Ratio  | -0.54  | -     | -0.68 |
| Up Capture Ratio   | 96.71  | -     | 93.29 |
| Down Capture Ratio | 103.38 | -     | 99.12 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 23.22 | 21.82 | 23.08 |
| Price/Book Ratio     | 3.55  | 5.15  | 4.39  |
| Geom Avg Mkt Cap \$B | 72.75 | 55.71 | 72.96 |
| ROE                  | 20.25 | 27.80 | 23.94 |

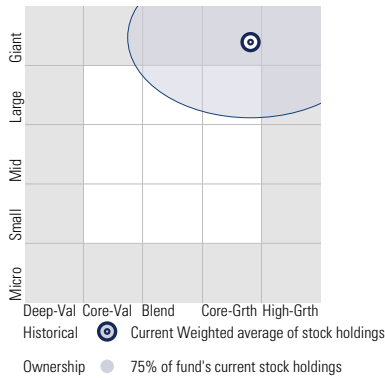
# Fidelity® Contrafund® FCNTX

**Morningstar Category**  
Large Growth

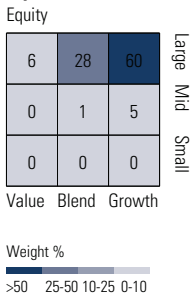
**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 12-31-2019

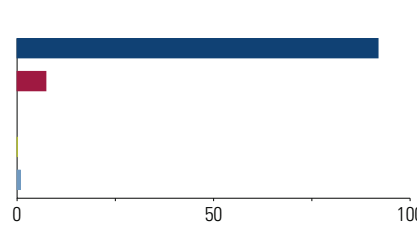
Morningstar Style Box™



## Style Breakdown

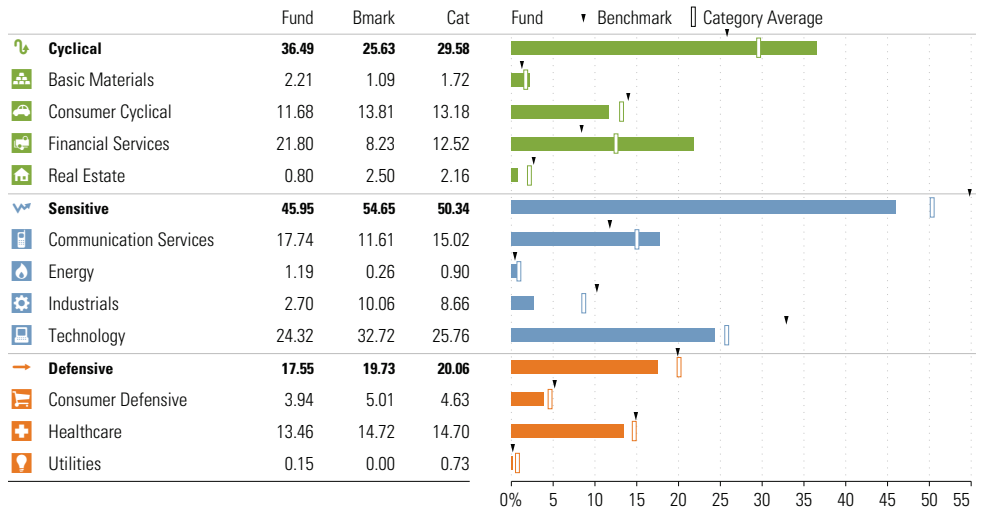


## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 91.84         | 92.03         |
| Non-US Stocks | 7.32          | 5.52          |
| Bonds         | 0.00          | 0.03          |
| Cash          | 0.05          | 1.85          |
| Other         | 0.80          | 0.56          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

| Name                     | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--------------------------|-------------|--------------|--------------|--------------------|
| Facebook Inc A           | 7.45        | 7.45         | 56.57        | Communication Svc  |
| Amazon.com Inc           | 6.53        | 13.98        | 23.03        | Consumer Cyclical  |
| Microsoft Corp           | 5.58        | 19.56        | 57.12        | Technology         |
| Berkshire Hathaway Inc A | 5.54        | 25.10        | 10.98        | Financial Services |
| Visa Inc Class A         | 3.89        | 28.99        | 43.21        | Financial Services |
| Salesforce.com Inc       | 3.71        | 32.70        | 18.74        | Technology         |
| UnitedHealth Group Inc   | 3.06        | 35.76        | 19.67        | Healthcare         |
| Adobe Inc                | 2.87        | 38.63        | 45.78        | Technology         |
| Alphabet Inc A           | 2.77        | 41.40        | 28.18        | Communication Svc  |
| Mastercard Inc A         | 2.56        | 43.97        | 58.98        | Financial Services |
| Alphabet Inc Class C     | 2.50        | 46.46        | 29.10        | Communication Svc  |
| Apple Inc                | 2.24        | 48.70        | 88.09        | Technology         |
| Netflix Inc              | 2.11        | 50.81        | 20.89        | Communication Svc  |
| Bank of America Corp     | 1.80        | 52.61        | 45.62        | Financial Services |
| Amphenol Corp Class A    | 1.76        | 54.37        | 34.77        | Technology         |

**Total Holdings 302**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# JPMorgan Emerging Markets Equity R5 JEMOX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

Austin Forey since 09-2005  
Amit Mehta since 02-2013  
Leon Eidelman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 3 of the 3 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.34 years.

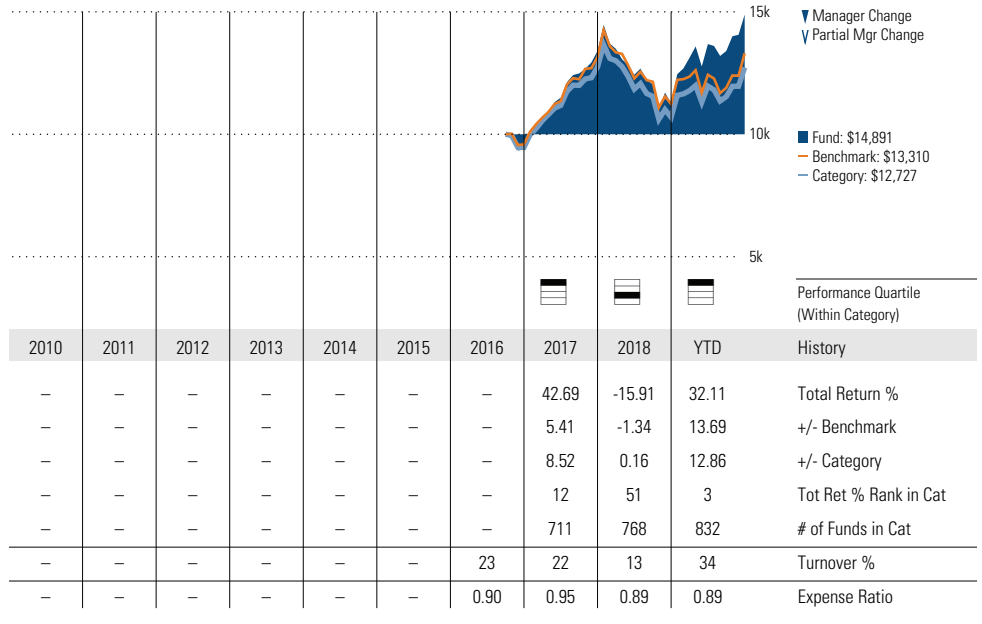
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.89 is 29.92% lower than the Diversified Emerging Mkts category average.

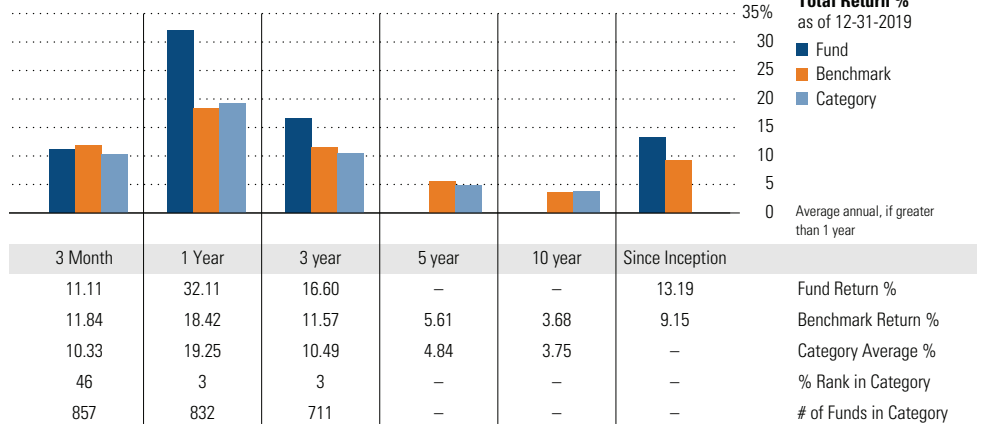
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

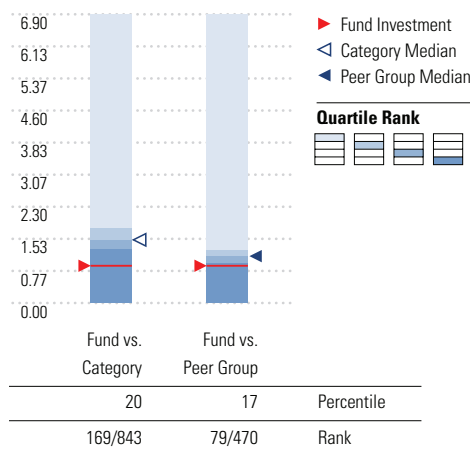
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 4.85   | -     | 0.32  |
| Beta               | 0.97   | -     | 0.90  |
| R-Squared          | 91.59  | -     | 88.31 |
| Standard Deviation | 14.55  | 14.37 | 13.84 |
| Sharpe Ratio       | 1.01   | 0.71  | 0.68  |
| Tracking Error     | 4.24   | -     | 4.76  |
| Information Ratio  | 1.18   | -     | -0.15 |
| Up Capture Ratio   | 114.37 | -     | 92.92 |
| Down Capture Ratio | 94.76  | -     | 92.99 |

## Portfolio Metrics

| Metric               | Fund | Bmark | Cat   |
|----------------------|------|-------|-------|
| Price/Earnings Ratio | -    | 12.62 | 13.55 |
| Price/Book Ratio     | -    | 1.49  | 1.87  |
| Geom Avg Mkt Cap \$B | -    | 19.61 | 20.39 |
| ROE                  | -    | 17.14 | 20.22 |

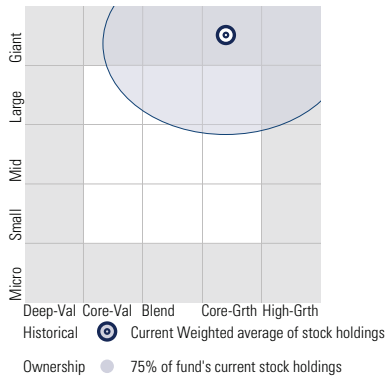
# JPMorgan Emerging Markets Equity R5 JEMOX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 12-31-2019

Morningstar Style Box™

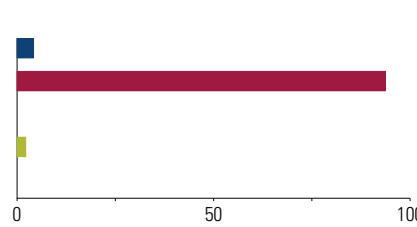


## Style Breakdown

| Equity |       |        | Large<br>Mid<br>Small |
|--------|-------|--------|-----------------------|
| Value  | Blend | Growth |                       |
| 13     | 25    | 47     |                       |
| 2      | 4     | 7      |                       |
| 0      | 0     | 0      |                       |

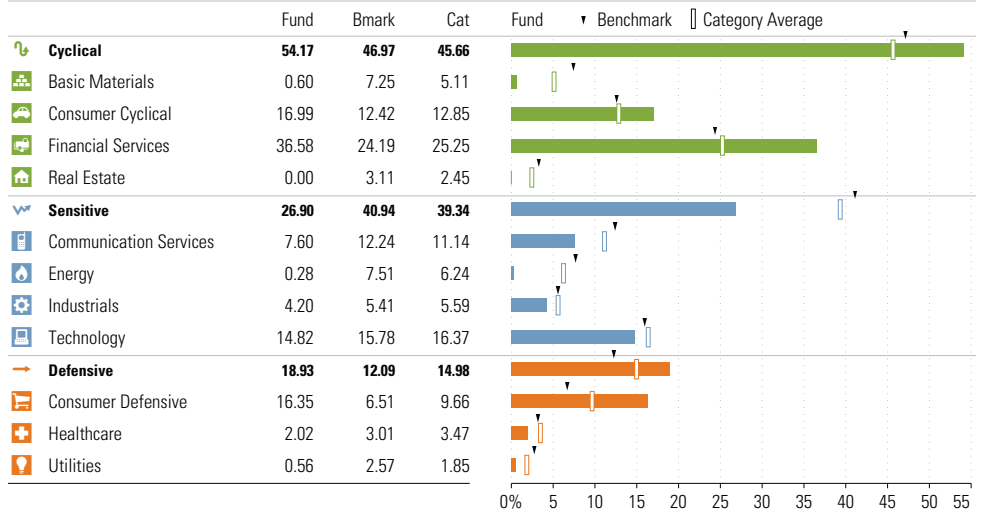


## Asset Allocation as of 12-31-2019

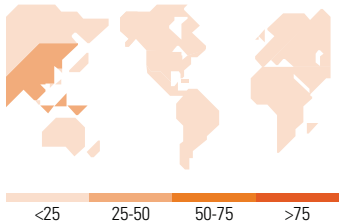


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 4.17          | 2.11          |
| Non-US Stocks | 93.64         | 95.28         |
| Bonds         | 0.00          | 0.31          |
| Cash          | 2.19          | 1.42          |
| Other         | 0.00          | 0.88          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## World Regions % Equity 12-31-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Market Maturity   | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 72.63  | 68.98 | Americas      | 16.34  | 15.26 | Greater Europe | 11.03  | 15.76 | Developed Markets | 28.63  |
| Japan            | 0.00   | 0.12  | North America | 4.26   | 1.60  | United Kingdom | 0.00   | 0.83  | Emerging Markets  | 71.37  |
| Australasia      | 0.00   | 0.01  | Central/Latin | 12.08  | 13.66 | W euro-ex UK   | 1.63   | 1.77  | Not Available     | 0.00   |
| Asia-4 Tigers    | 22.75  | 23.07 |               |        |       | Emrgng Europe  | 4.64   | 7.34  |                   |        |
| Asia-ex 4 Tigers | 49.88  | 45.78 |               |        |       | Africa         | 4.76   | 5.82  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 12-31-2019

| Name   | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|-------------|--------------|--------------|--------------------|
| Alibaba Group Holding Ltd ADR                        | 5.81        | 5.81         | 54.74        | Consumer Cyclical  |
| Taiwan Semiconductor Manufacturing Co Ltd ADR        | 5.06        | 10.87        | 62.84        | Technology         |
| ⊕ Tencent Holdings Ltd                               | 4.54        | 15.41        | 19.94        | Communication Svc  |
| AIA Group Ltd  | 3.95        | 19.36        | 27.81        | Financial Services |
| Housing Development Finance Corp Ltd                 | 3.94        | 23.30        | 23.63        | Financial Services |
| ⊕ Samsung Electronics Co Ltd                         | 3.93        | 27.22        | —            | Technology         |
| HDFC Bank Ltd  | 2.46        | 29.68        | 20.86        | Financial Services |
| ⊕ Ping An Insurance (Group) Co. of China Ltd Class H | 2.43        | 32.11        | 36.26        | Financial Services |
| ⊖ Sberbank of Russia PJSC                            | 2.22        | 34.34        | —            | Financial Services |
| ⊕ JPMorgan Prime Money Market Inst                   | 2.19        | 36.53        | —            | —                  |

**Total Holdings 67**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# PIMCO Income I2 PONPX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
BBgBarc US Universal TR USD

## Portfolio Manager(s)

Daniel Ivascyn since 03-2007  
Alfred Murata since 03-2013  
Joshua Anderson since 07-2018

## Quantitative Screens

✔ **Performance:** The fund has finished in the Multisector Bond category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.76 years.

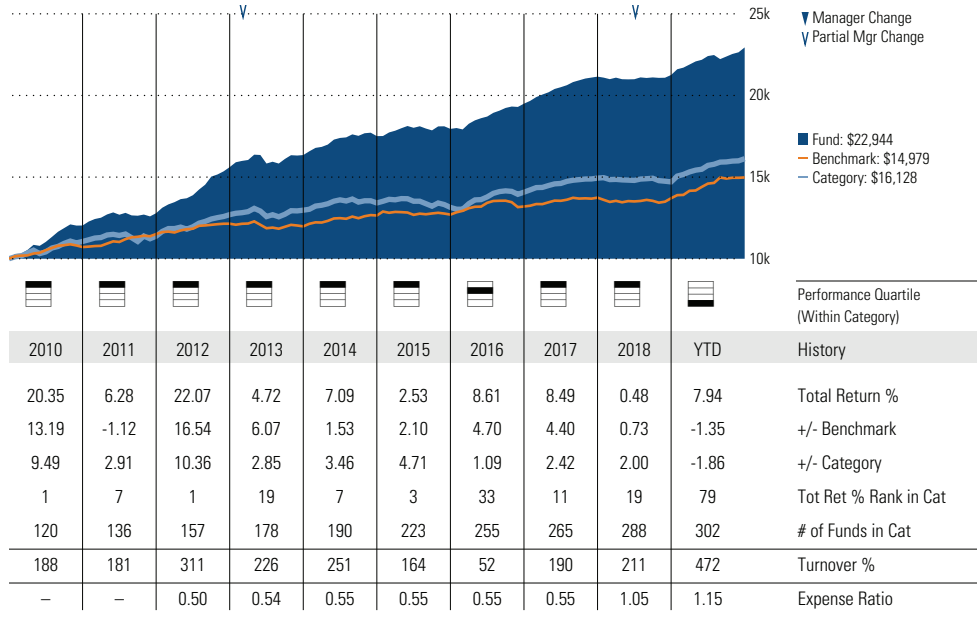
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.15 is 7.48% higher than the Multisector Bond category average.

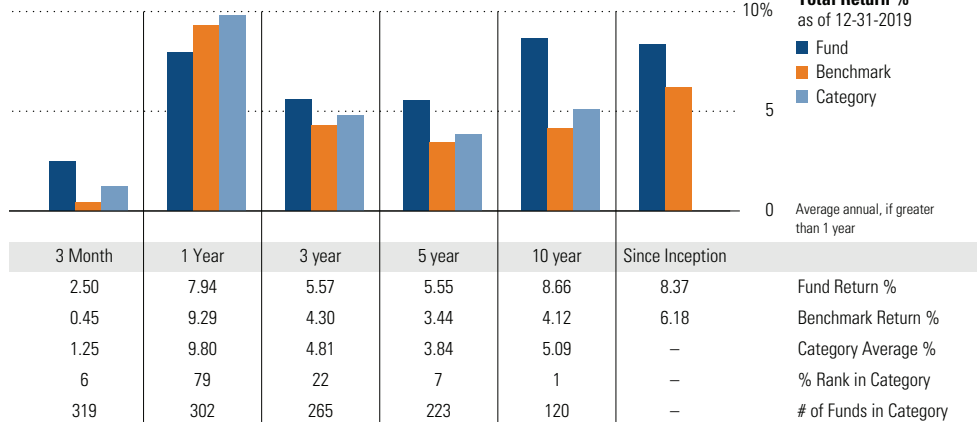
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

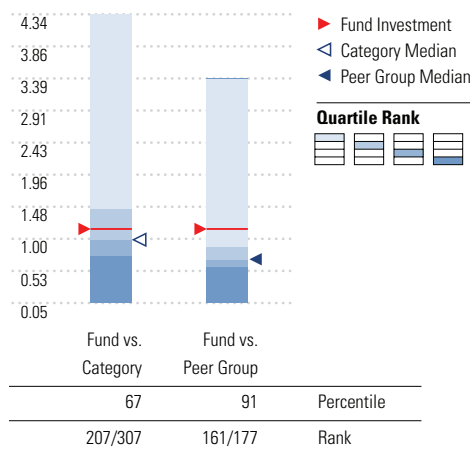
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 4.60   | -     | 2.79  |
| Beta               | 0.20   | -     | 0.45  |
| R-Squared          | 7.80   | -     | 24.51 |
| Standard Deviation | 1.92   | 2.66  | 2.78  |
| Sharpe Ratio       | 1.92   | 0.97  | 1.17  |
| Tracking Error     | 2.81   | -     | 2.89  |
| Information Ratio  | 0.45   | -     | 0.16  |
| Up Capture Ratio   | 79.82  | -     | 83.38 |
| Down Capture Ratio | -41.89 | -     | 16.57 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 0.41 | 4.55  | 4.06 |
| Avg Eff Maturity | 2.12 | 7.69  | 6.86 |

# PIMCO Income I2 PONPX

**Morningstar Category**  
Multisector Bond

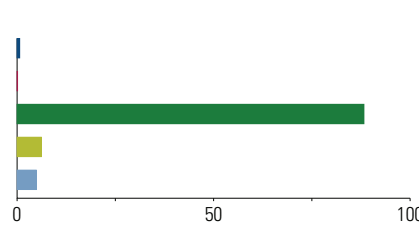
**Morningstar Index**  
BBgBarc US Universal TR USD

## Style Analysis as of 12-31-2019

### Style Breakdown



## Asset Allocation as of 12-31-2019

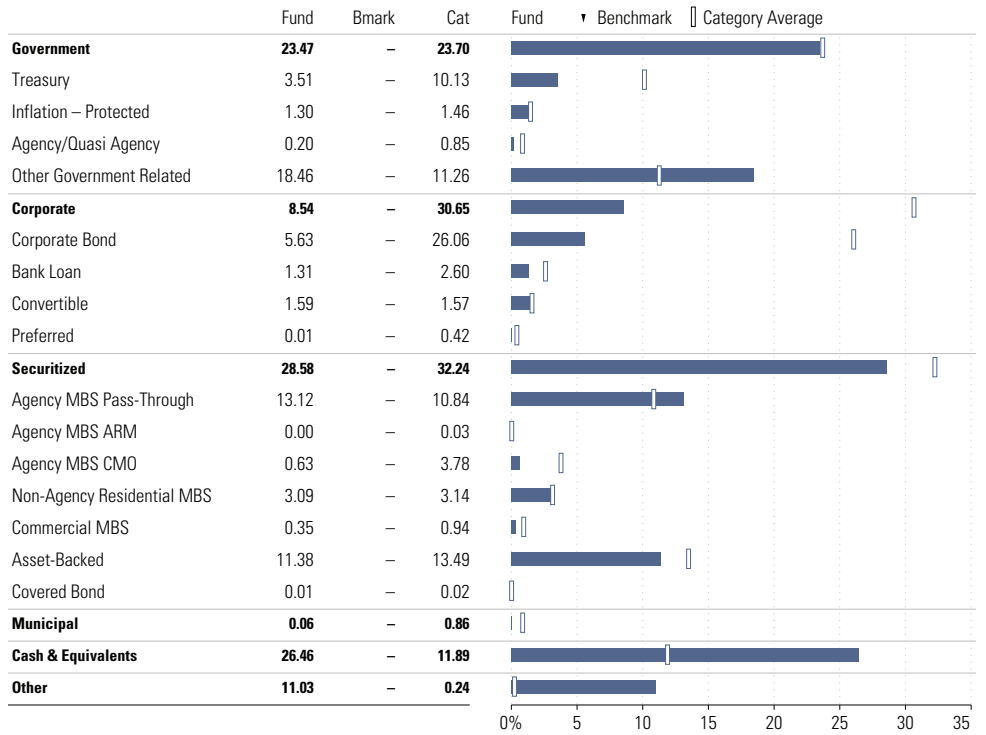


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.65          | 1.37          |
| Non-US Stocks | 0.11          | 0.40          |
| Bonds         | 88.24         | 98.41         |
| Cash          | 6.15          | -2.72         |
| Other         | 4.86          | 2.55          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

### Credit Rating Breakdown

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 56.00 | 67.64 | 24.83 |
| AA        | 7.00  | 3.23  | 4.63  |
| A         | 4.00  | 10.03 | 10.28 |
| BBB       | 14.00 | 10.89 | 20.84 |
| BB        | 6.00  | 3.19  | 16.67 |
| B         | 7.00  | 3.64  | 12.28 |
| Below B   | 6.00  | 1.38  | 4.98  |
| Not Rated | 0.00  | 0.00  | 5.50  |

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|---|---------------|-------------|--------------|---------------------|
| Irs Usd 3.00000 06/19/19-5y Cme         | 06-2024       | 14.19       | 14.19        | -                   |
| Irs Jpy 0.45000 03/20/19-10y Lch        | 03-2029       | 14.02       | 28.21        | -                   |
| ⊕ Irs Jpy 0.45000 03/20/19-10y Lch      | 03-2029       | 13.38       | 41.59        | -                   |
| ⊕ Irs Usd 3.00000 06/19/19-5y Cme       | 06-2024       | 13.29       | 54.88        | -                   |
| Irs Eur 0.00000 08/19/19-2y Lch         | 08-2021       | 12.32       | 67.20        | -                   |
| ⊕ Irs Eur 0.00000 08/19/19-2y Lch       | 08-2021       | 12.22       | 79.42        | -                   |
| ⊕ Fin Fut Us 5yr Cbt 12/31/19           | 01-2020       | 9.67        | 89.08        | -                   |
| Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub | 07-2022       | 7.75        | 96.84        | -                   |
| Cirs Usd 4y Mat 3.82/2.00% M 7/2020 Glm | 07-2022       | 7.75        | 104.59       | -                   |
| Cirs Usd 4y Mat 3.82/2.00% M 6/2020 Myc | 06-2022       | 7.75        | 112.34       | -                   |

**Total Holdings 7556**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Portfolio Manager(s)

Donald Butler since 04-2016

Michelle Louie since 11-2017

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 3.68 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.04 is 95.51% lower than the Large Blend category average.

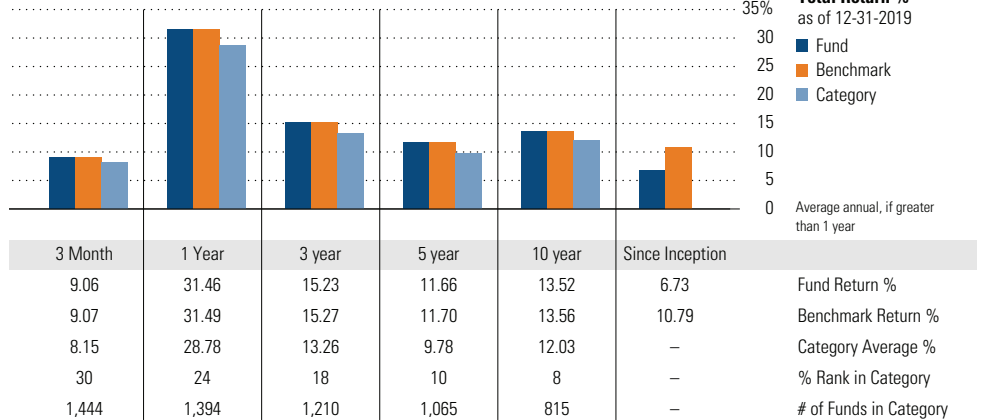
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

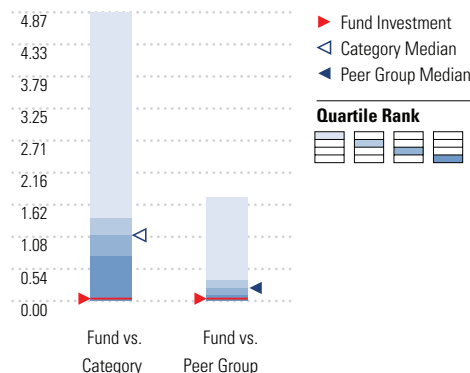
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -0.04  | —     | -1.42 |
| Beta               | 1.00   | —     | 0.95  |
| R-Squared          | 100.00 | —     | 94.36 |
| Standard Deviation | 12.10  | 12.10 | 11.87 |
| Sharpe Ratio       | 1.10   | 1.10  | 0.96  |
| Tracking Error     | 0.01   | —     | 2.89  |
| Information Ratio  | -4.27  | —     | -1.41 |
| Up Capture Ratio   | 99.87  | —     | 90.48 |
| Down Capture Ratio | 100.05 | —     | 97.68 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 18.64 | 18.71 | 17.87 |
| Price/Book Ratio     | 2.69  | 2.74  | 2.65  |
| Geom Avg Mkt Cap \$B | 71.43 | 73.09 | 97.84 |
| ROE                  | 21.19 | 21.80 | 22.01 |

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 12-31-2019

Morningstar Style Box™



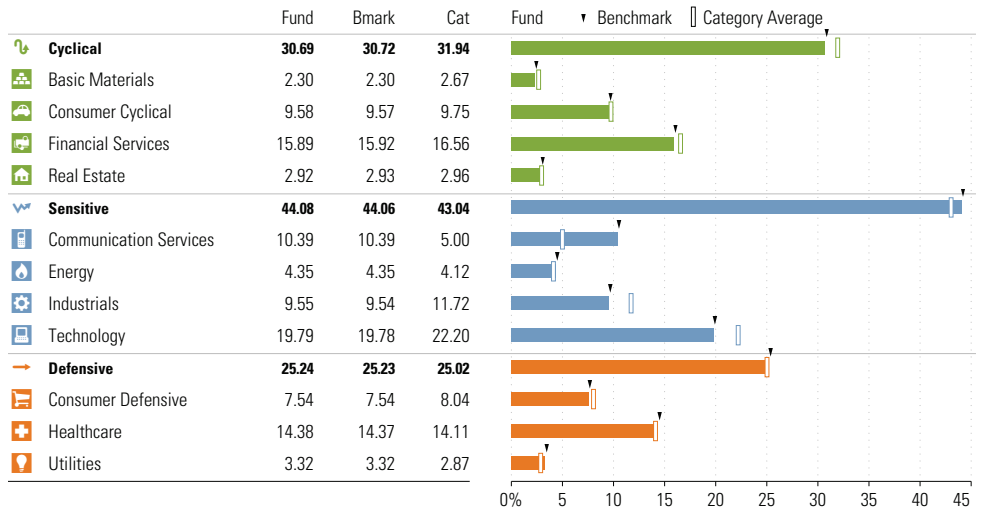
## Style Breakdown



## Asset Allocation as of 12-31-2019



## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

| Name                     | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--------------------------|-------------|--------------|--------------|--------------------|
| Apple Inc                | 4.55        | 4.55         | 88.09        | Technology         |
| Microsoft Corp           | 4.47        | 9.02         | 57.12        | Technology         |
| Amazon.com Inc           | 2.86        | 11.88        | 23.03        | Consumer Cyclical  |
| Facebook Inc A           | 1.83        | 13.71        | 56.57        | Communication Svc  |
| JPMorgan Chase & Co      | 1.61        | 15.32        | 46.18        | Financial Services |
| Berkshire Hathaway Inc B | 1.60        | 16.92        | 10.93        | Financial Services |
| Alphabet Inc Class C     | 1.49        | 18.41        | 29.10        | Communication Svc  |
| Alphabet Inc A           | 1.48        | 19.89        | 28.18        | Communication Svc  |
| Johnson & Johnson        | 1.43        | 21.32        | 15.94        | Healthcare         |
| Visa Inc Class A         | 1.19        | 22.51        | 43.21        | Financial Services |
| Procter & Gamble Co      | 1.16        | 23.67        | 39.09        | Consumer Defensive |
| Exxon Mobil Corp         | 1.10        | 24.76        | 7.36         | Energy             |
| AT&T Inc                 | 1.06        | 25.82        | 44.08        | Communication Svc  |
| Bank of America Corp     | 1.06        | 26.88        | 45.62        | Financial Services |
| UnitedHealth Group Inc   | 1.03        | 27.92        | 19.67        | Healthcare         |

**Total Holdings 521**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Portfolio Manager(s)

Christine Franquin since 02-2013

Michael Perre since 11-2017

## Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 92.78% lower than the Foreign Large Blend category average.

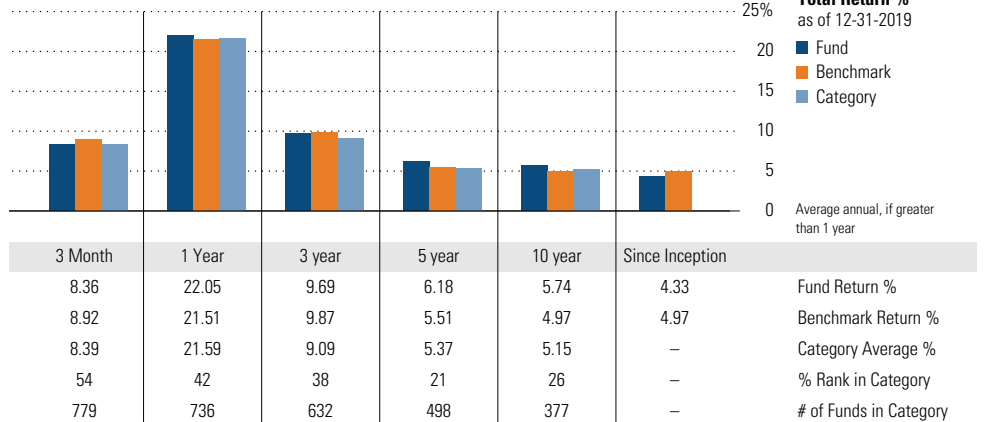
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

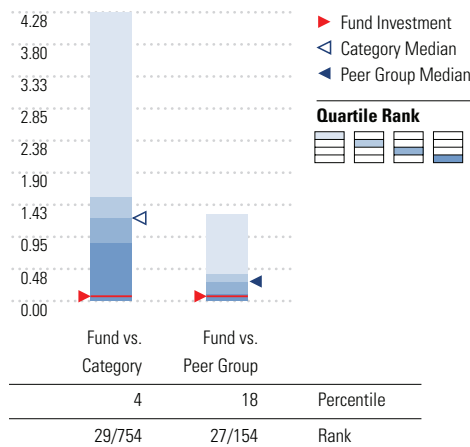
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund  | Bmark | Cat   |
|--------------------|-------|-------|-------|
| Alpha              | 0.05  | -     | -0.53 |
| Beta               | 0.98  | -     | 0.98  |
| R-Squared          | 97.39 | -     | 92.90 |
| Standard Deviation | 11.40 | 11.50 | 11.71 |
| Sharpe Ratio       | 0.72  | 0.73  | 0.66  |
| Tracking Error     | 1.86  | -     | 3.16  |
| Information Ratio  | -0.10 | -     | -0.26 |
| Up Capture Ratio   | 97.33 | -     | 95.46 |
| Down Capture Ratio | 96.70 | -     | 98.23 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 15.41 | 15.22 | 15.82 |
| Price/Book Ratio     | 1.50  | 1.58  | 1.72  |
| Geom Avg Mkt Cap \$B | 30.79 | 30.69 | 38.15 |
| ROE                  | 15.01 | 15.65 | 17.00 |

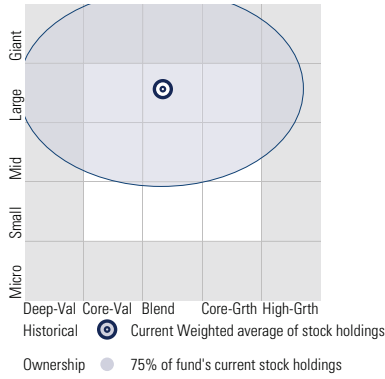
# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 12-31-2019

Morningstar Style Box™

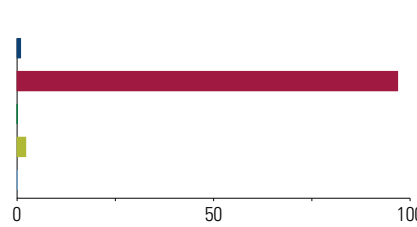


## Style Breakdown

| Equity |       |        | Large<br>Mid<br>Small |
|--------|-------|--------|-----------------------|
| Value  | Blend | Growth |                       |
| 28     | 26    | 18     |                       |
| 7      | 7     | 7      |                       |
| 2      | 2     | 2      |                       |



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.88          | 2.96          |
| Non-US Stocks | 96.82         | 94.52         |
| Bonds         | 0.05          | -0.02         |
| Cash          | 2.19          | 1.62          |
| Other         | 0.06          | 0.92          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>40.27</b> | <b>42.26</b> | <b>39.25</b> |      |           |                  |
| Basic Materials        | 7.66         | 7.28         | 6.97         |      |           |                  |
| Consumer Cyclical      | 10.28        | 10.42        | 10.38        |      |           |                  |
| Financial Services     | 18.47        | 21.37        | 19.10        |      |           |                  |
| Real Estate            | 3.86         | 3.19         | 2.80         |      |           |                  |
| <b>Sensitive</b>       | <b>36.05</b> | <b>35.81</b> | <b>36.25</b> |      |           |                  |
| Communication Services | 5.60         | 7.53         | 7.17         |      |           |                  |
| Energy                 | 5.98         | 6.74         | 5.39         |      |           |                  |
| Industrials            | 15.52        | 11.96        | 14.96        |      |           |                  |
| Technology             | 8.95         | 9.58         | 8.73         |      |           |                  |
| <b>Defensive</b>       | <b>23.69</b> | <b>21.94</b> | <b>24.49</b> |      |           |                  |
| Consumer Defensive     | 9.81         | 9.50         | 10.52        |      |           |                  |
| Healthcare             | 10.51        | 9.15         | 11.04        |      |           |                  |
| Utilities              | 3.37         | 3.29         | 2.93         |      |           |                  |

## World Regions % Equity 12-31-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Region            | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 36.45  | 36.64 | Americas      | 9.63   | 7.78  | Greater Europe | 53.91  | 55.59 | Market Maturity   | Fund % |
| Japan            | 21.89  | 20.10 | North America | 9.60   | 6.76  | United Kingdom | 14.19  | 14.73 | Developed Markets | 98.88  |
| Australasia      | 6.15   | 4.96  | Central/Latin | 0.03   | 1.02  | W euro-ex UK   | 38.59  | 39.69 | Emerging Markets  | 1.12   |
| Asia-4 Tigers    | 7.98   | 6.42  |               |        |       | Emrgng Europe  | 0.63   | 0.44  | Not Available     | 0.00   |
| Asia-ex 4 Tigers | 0.43   | 5.16  |               |        |       | Africa         | 0.50   | 0.73  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 12-31-2019

| Name                                    | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Market Liquidity Inv         | 2.19        | 2.19         | -            | -                  |
| ⊕ Nestle SA                             | 1.56        | 3.75         | 34.37        | Consumer Defensive |
| ⊕ Roche Holding AG Dividend Right Cert. | 1.12        | 4.87         | 32.58        | Healthcare         |
| ⊕ Samsung Electronics Co Ltd            | 1.05        | 5.92         | -            | Technology         |
| ⊖ Novartis AG                           | 0.99        | 6.91         | 24.65        | Healthcare         |
| ⊖ Toyota Motor Corp                     | 0.86        | 7.77         | 23.85        | Consumer Cyclical  |
| ⊕ HSBC Holdings PLC                     | 0.79        | 8.56         | -2.38        | Financial Services |
| ⊕ Total SA                              | 0.67        | 9.23         | 10.74        | Energy             |
| ⊕ AstraZeneca PLC                       | 0.65        | 9.88         | 33.25        | Healthcare         |
| ⊕ SAP SE                                | 0.65        | 10.53        | 40.14        | Technology         |

**Total Holdings 3919**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard Mid Cap Index Admiral VIMAX

**Morningstar Category**  
Mid-Cap Blend

**Morningstar Index**  
Russell Mid Cap TR USD

## Portfolio Manager(s)

Donald Butler since 05-1998  
Michael Johnson since 04-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap Blend category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 21.63 years.

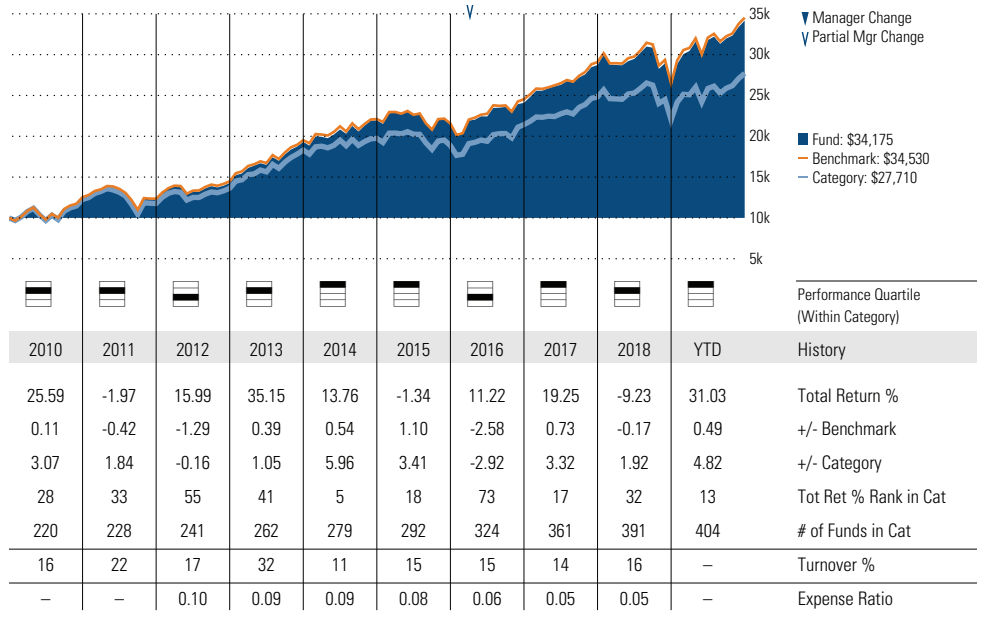
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95% lower than the Mid-Cap Blend category average.

## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

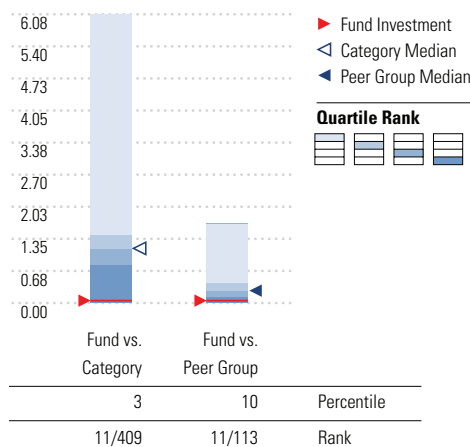
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 0.37   | -     | -3.00  |
| Beta               | 0.99   | -     | 1.03   |
| R-Squared          | 99.45  | -     | 92.24  |
| Standard Deviation | 13.00  | 13.08 | 13.97  |
| Sharpe Ratio       | 0.83   | 0.81  | 0.57   |
| Tracking Error     | 0.97   | -     | 3.93   |
| Information Ratio  | 0.31   | -     | -0.89  |
| Up Capture Ratio   | 100.00 | -     | 92.54  |
| Down Capture Ratio | 97.70  | -     | 109.49 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 21.74 | 21.36 | 19.51 |
| Price/Book Ratio     | 2.64  | 2.65  | 2.36  |
| Geom Avg Mkt Cap \$B | 10.75 | 10.69 | 8.27  |
| ROE                  | 16.95 | 16.39 | 15.17 |

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 12-31-2019

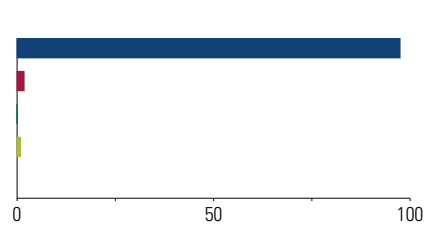
Morningstar Style Box™



## Style Breakdown

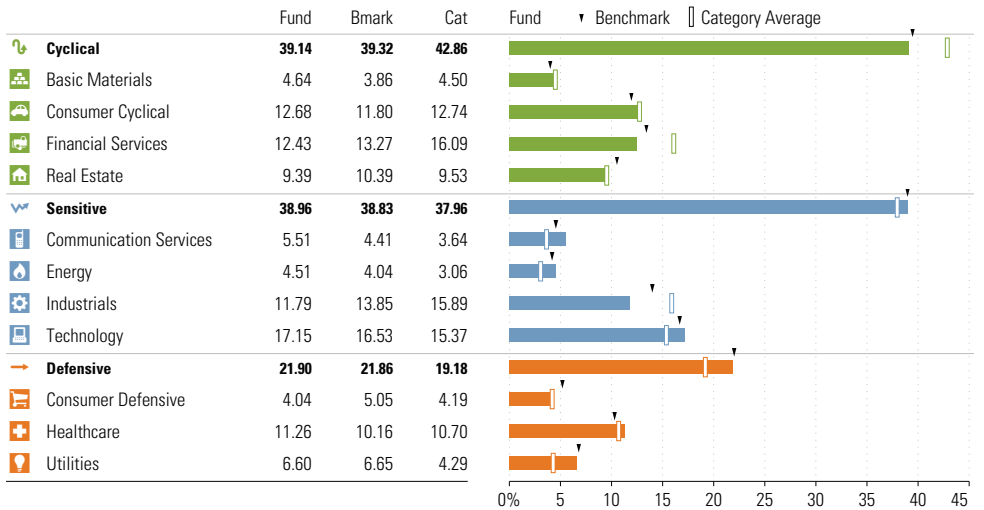


## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 97.44         | 95.22         |
| Non-US Stocks | 1.78          | 2.15          |
| Bonds         | 0.01          | 0.12          |
| Cash          | 0.77          | 2.11          |
| Other         | 0.00          | 0.40          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

| Name                         | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|------------------------------|-------------|--------------|--------------|--------------------|
| ⊕ Newmont Corp               | 0.80        | 0.80         | 29.55        | Basic Materials    |
| ⊖ Amphenol Corp Class A      | 0.72        | 1.52         | 34.77        | Technology         |
| ⊕ ONEOK Inc                  | 0.70        | 2.22         | 46.80        | Energy             |
| ⊕ WEC Energy Group Inc       | 0.65        | 2.87         | 36.57        | Utilities          |
| ⊕ IHS Markit Ltd             | 0.64        | 3.52         | 57.08        | Industrials        |
| ⊕ TransDigm Group Inc        | 0.64        | 4.16         | 83.06        | Industrials        |
| ⊖ KLA Corp                   | 0.63        | 4.79         | 102.56       | Technology         |
| ⊕ Motorola Solutions Inc     | 0.62        | 5.41         | 42.12        | Technology         |
| ⊕ Eversource Energy          | 0.62        | 6.02         | 34.09        | Utilities          |
| ⊖ SBA Communications Corp    | 0.61        | 6.63         | 49.32        | Real Estate        |
| ⊕ Lululemon Athletica Inc    | 0.61        | 7.24         | 90.50        | Consumer Cyclical  |
| ⊕ FirstEnergy Corp           | 0.59        | 7.83         | 33.48        | Utilities          |
| ⊖ Willis Towers Watson PLC   | 0.58        | 8.41         | 34.69        | Financial Services |
| ⊖ Advanced Micro Devices Inc | 0.57        | 8.99         | 148.43       | Technology         |
| ⊖ IQVIA Holdings Inc         | 0.57        | 9.56         | 33.00        | Healthcare         |

**Total Holdings 358**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

**Morningstar Index**  
S&P United States REIT TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 05-1996

Walter Nejman since 05-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Real Estate category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 23.65 years.

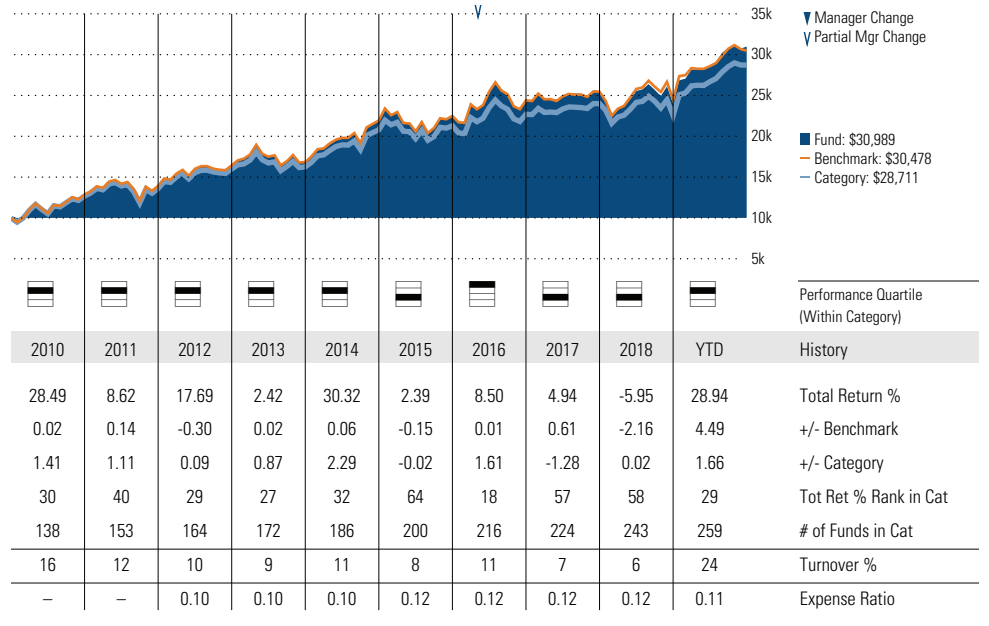
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.11 is 90.35% lower than the Real Estate category average.

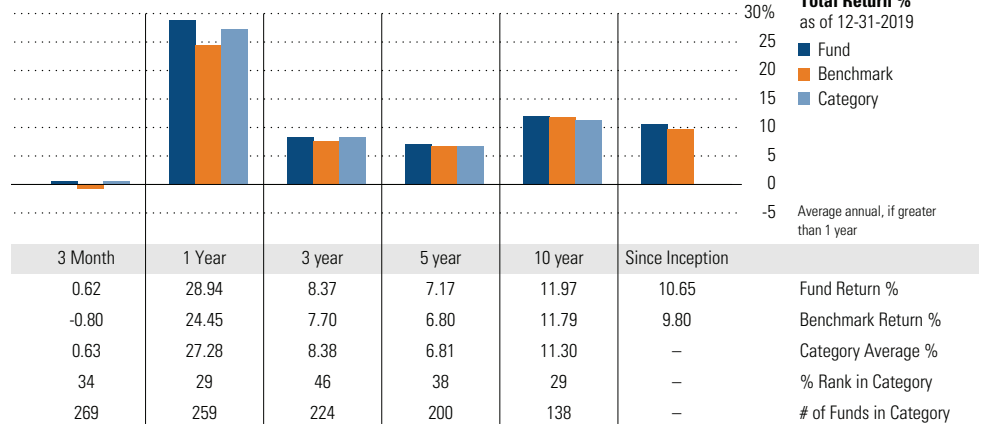
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

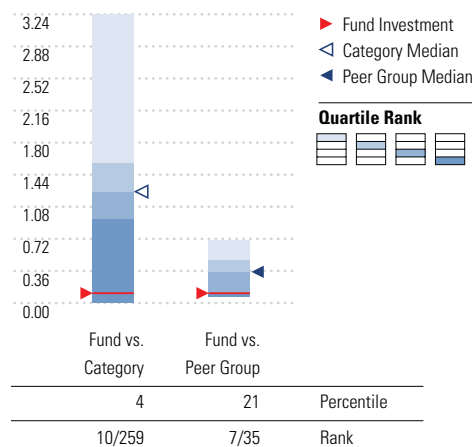
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund  | Bmark | Cat   |
|--------------------|-------|-------|-------|
| Alpha              | 0.80  | -     | 1.34  |
| Beta               | 0.98  | -     | 0.90  |
| R-Squared          | 98.26 | -     | 91.49 |
| Standard Deviation | 12.06 | 12.25 | 11.65 |
| Sharpe Ratio       | 0.59  | 0.53  | 0.62  |
| Tracking Error     | 1.62  | -     | 3.36  |
| Information Ratio  | 0.41  | -     | 0.12  |
| Up Capture Ratio   | 98.02 | -     | 91.59 |
| Down Capture Ratio | 91.44 | -     | 81.03 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 40.39 | 38.46 | 36.08 |
| Price/Book Ratio     | 2.39  | 2.42  | 2.60  |
| Geom Avg Mkt Cap \$B | 9.32  | 9.35  | 11.72 |
| ROE                  | 8.61  | 9.56  | 11.65 |

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 12-31-2019

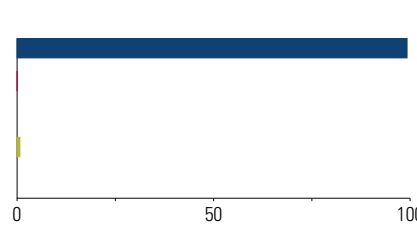
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 99.23         | 90.28         |
| Non-US Stocks | 0.06          | 0.72          |
| Bonds         | 0.00          | 3.30          |
| Cash          | 0.71          | 2.25          |
| Other         | 0.00          | 3.47          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund        | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|-------------|-----------|------------------|
| <b>Cyclical</b>        | <b>99.97</b> | <b>99.13</b> | <b>99.27</b> | [Bar chart] |           |                  |
| Basic Materials        | 0.00         | 0.00         | 0.02         | [Bar chart] |           |                  |
| Consumer Cyclical      | 0.00         | 0.13         | 0.63         | [Bar chart] |           |                  |
| Financial Services     | 0.01         | 0.00         | 0.12         | [Bar chart] |           |                  |
| Real Estate            | 99.96        | 99.00        | 98.50        | [Bar chart] |           |                  |
| <b>Sensitive</b>       | <b>0.03</b>  | <b>0.87</b>  | <b>0.64</b>  | [Bar chart] |           |                  |
| Communication Services | 0.00         | 0.00         | 0.02         | [Bar chart] |           |                  |
| Energy                 | 0.00         | 0.00         | 0.02         | [Bar chart] |           |                  |
| Industrials            | 0.03         | 0.87         | 0.08         | [Bar chart] |           |                  |
| Technology             | 0.00         | 0.00         | 0.52         | [Bar chart] |           |                  |
| <b>Defensive</b>       | <b>0.00</b>  | <b>0.00</b>  | <b>0.08</b>  | [Bar chart] |           |                  |
| Consumer Defensive     | 0.00         | 0.00         | 0.00         | [Bar chart] |           |                  |
| Healthcare             | 0.00         | 0.00         | 0.04         | [Bar chart] |           |                  |
| Utilities              | 0.00         | 0.00         | 0.04         | [Bar chart] |           |                  |

## Top 15 Holdings as of 12-31-2019

| Name                              | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-----------------------------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Real Estate II Index   | 11.03       | 11.03        | -            | -                  |
| ⊖ American Tower Corp             | 7.07        | 18.11        | 47.67        | Real Estate        |
| ⊖ Crown Castle International Corp | 4.11        | 22.22        | 35.07        | Real Estate        |
| ⊖ Prologis Inc                    | 3.91        | 26.13        | 55.42        | Real Estate        |
| ⊖ Equinix Inc                     | 3.44        | 29.57        | 68.35        | Real Estate        |
| ⊖ Simon Property Group Inc        | 3.19        | 32.76        | -6.39        | Real Estate        |
| ⊖ Public Storage                  | 2.33        | 35.09        | 9.16         | Real Estate        |
| ⊖ Welltower Inc                   | 2.30        | 37.39        | 22.84        | Real Estate        |
| ⊖ Equity Residential              | 2.09        | 39.48        | 26.03        | Real Estate        |
| ⊖ AvalonBay Communities Inc       | 2.04        | 41.51        | 23.98        | Real Estate        |
| ⊖ SBA Communications Corp         | 1.90        | 43.41        | 49.32        | Real Estate        |
| ⊖ Digital Realty Trust Inc        | 1.69        | 45.10        | 16.43        | Real Estate        |
| ⊖ Realty Income Corp              | 1.63        | 46.73        | 21.11        | Real Estate        |
| ⊖ Weyerhaeuser Co                 | 1.56        | 48.29        | 44.37        | Real Estate        |
| ⊖ Ventas Inc                      | 1.50        | 49.79        | 3.96         | Real Estate        |

**Total Holdings 187**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2015 Inv VTXVX

**Morningstar Category**  
Target-Date 2015

**Morningstar Index**  
Morningstar Lifetime Mod 2015 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2015 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

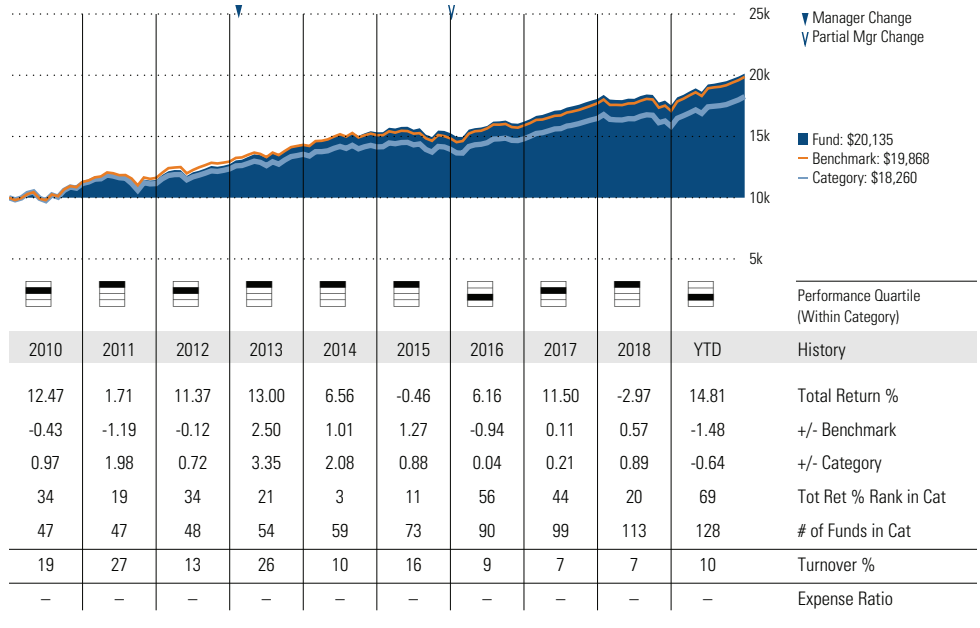
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 80.3% lower than the Target-Date 2015 category average.

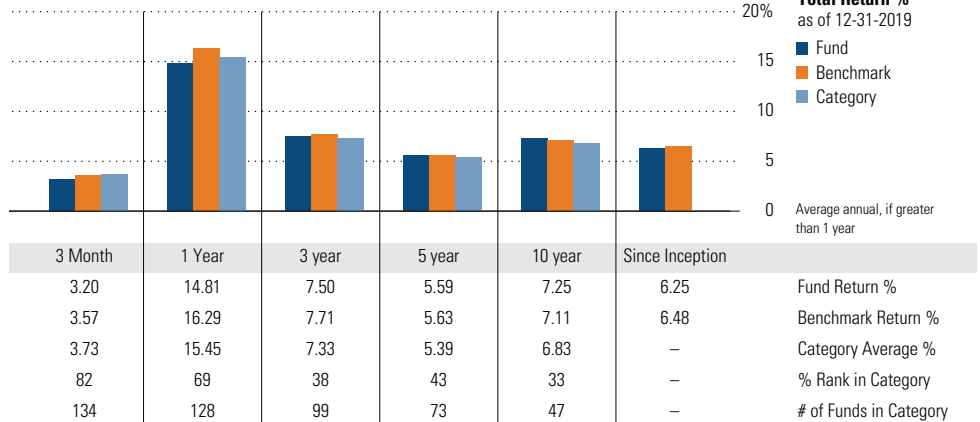
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

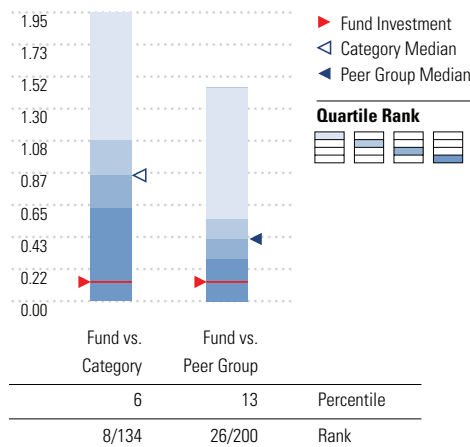
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund  | Bmark | Cat    |
|--------------------|-------|-------|--------|
| Alpha              | 0.58  | -     | -0.34  |
| Beta               | 0.89  | -     | 0.98   |
| R-Squared          | 98.83 | -     | 96.15  |
| Standard Deviation | 4.57  | 5.08  | 5.10   |
| Sharpe Ratio       | 1.23  | 1.15  | 1.06   |
| Tracking Error     | 0.73  | -     | 1.09   |
| Information Ratio  | -0.29 | -     | -0.44  |
| Up Capture Ratio   | 94.42 | -     | 96.00  |
| Down Capture Ratio | 88.54 | -     | 100.51 |

## Portfolio Metrics

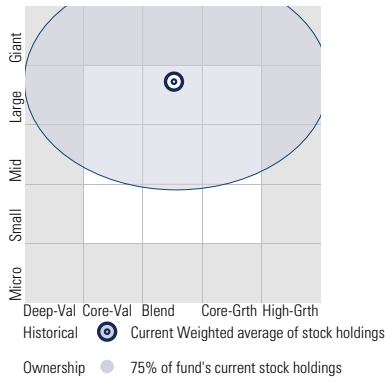
| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 17.82 | 18.03 |
| Price/Book Ratio     | 2.19  | 2.17  | 2.27  |
| Avg Eff Duration     | 5.92  | -     | 5.36  |

# Vanguard Target Retirement 2015 Inv VTXVX

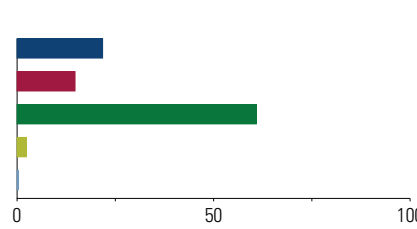
**Morningstar Category**  
Target-Date 2015

**Morningstar Index**  
Morningstar Lifetime Mod 2015 TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™

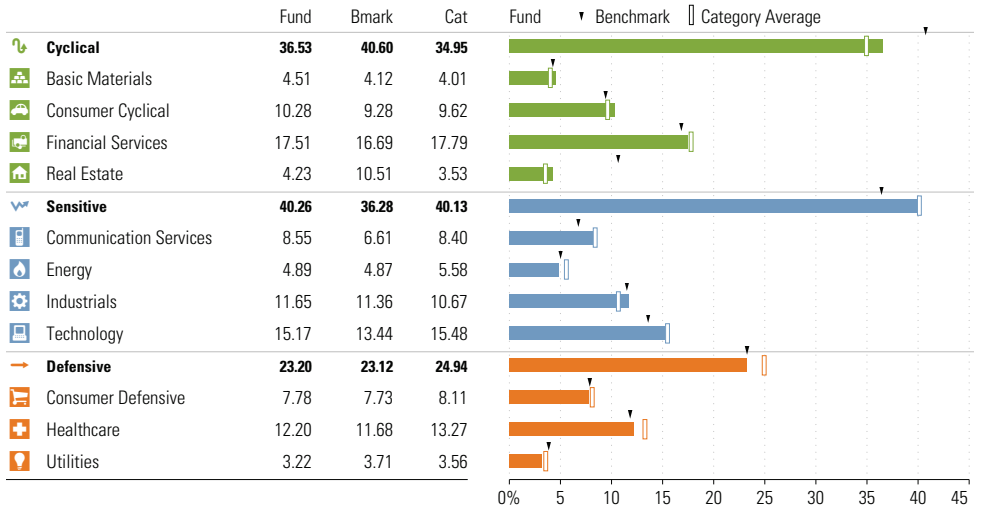


**Asset Allocation** as of 12-31-2019

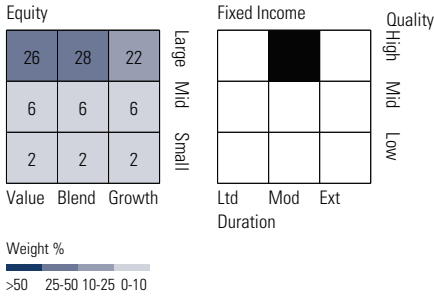


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 21.75         | 20.29         |
| Non-US Stocks | 14.74         | 11.17         |
| Bonds         | 60.91         | 43.48         |
| Cash          | 2.34          | 5.31          |
| Other         | 0.26          | 19.75         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Style Breakdown**



**Top 6 Holdings** as of 12-31-2019

| Name                                       | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Bond Market II Idx Inv    | -             | 34.51       | 34.51        | -            | -                  |
| ⊖ Vanguard Total Stock Mkt Idx Inv         | -             | 21.97       | 56.48        | -            | -                  |
| ⊖ Vanguard Total Intl Stock Index Inv      | -             | 14.96       | 71.44        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor      | -             | 14.79       | 86.22        | -            | -                  |
| ⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv | -             | 13.74       | 99.96        | -            | -                  |
| ⊖ Cmt Market Liquidity Rate                | -             | 0.04        | 100.00       | -            | -                  |

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2020 Inv VTWNX

**Morningstar Category**  
Target-Date 2020

**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

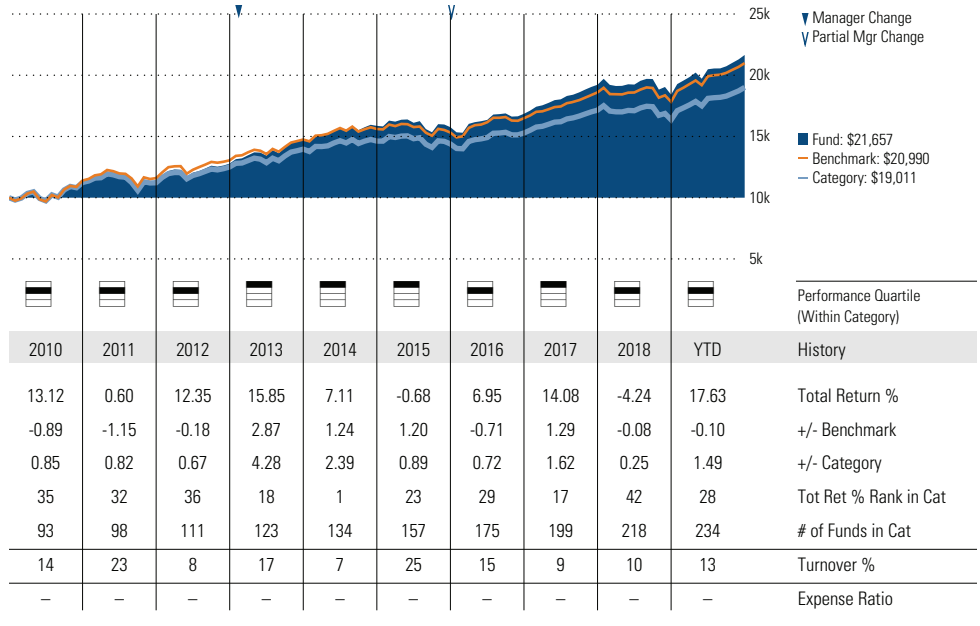
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 82.67% lower than the Target-Date 2020 category average.

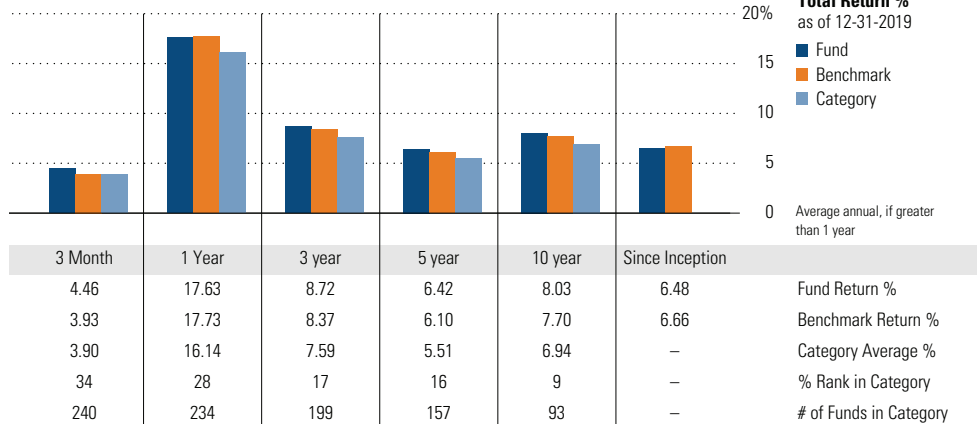
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

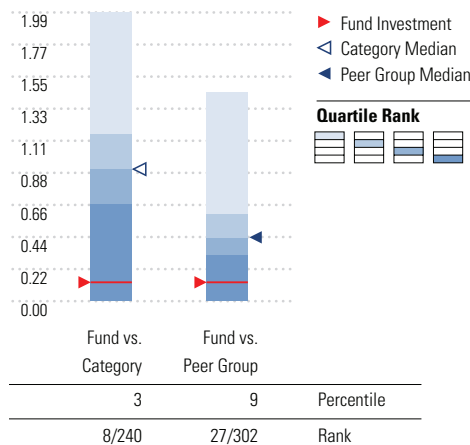
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -0.03  | -     | -0.43 |
| Beta               | 1.05   | -     | 0.93  |
| R-Squared          | 98.26  | -     | 93.75 |
| Standard Deviation | 6.01   | 5.70  | 5.43  |
| Sharpe Ratio       | 1.14   | 1.14  | 1.00  |
| Tracking Error     | 0.83   | -     | 1.47  |
| Information Ratio  | 0.43   | -     | -0.68 |
| Up Capture Ratio   | 105.78 | -     | 90.28 |
| Down Capture Ratio | 108.94 | -     | 96.24 |

## Portfolio Metrics

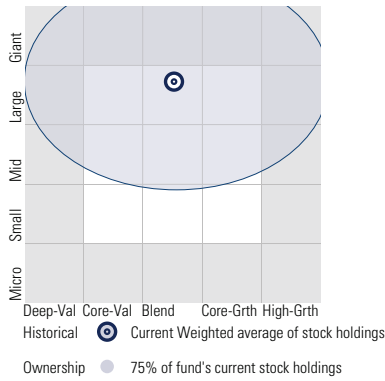
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 17.75 | 17.87 |
| Price/Book Ratio     | 2.19  | 2.15  | 2.22  |
| Avg Eff Duration     | 6.21  | -     | 5.77  |

# Vanguard Target Retirement 2020 Inv VTWNX

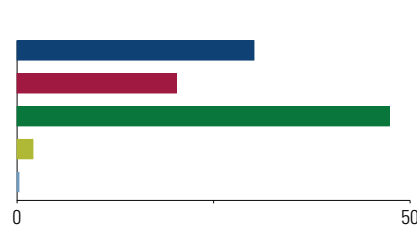
**Morningstar Category**  
Target-Date 2020

**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™

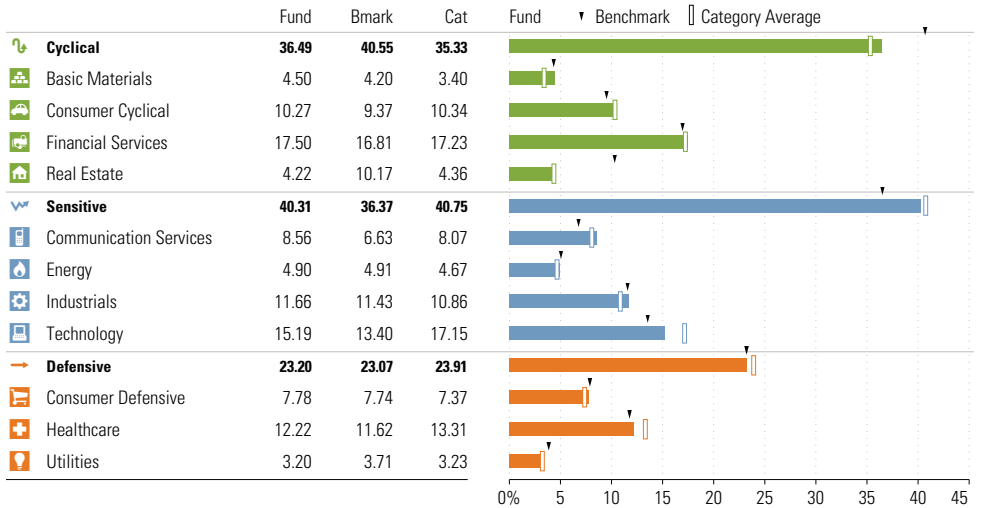


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 30.13         | 17.45         |
| Non-US Stocks | 20.27         | 5.83          |
| Bonds         | 47.34         | 37.92         |
| Cash          | 2.01          | 3.66          |
| Other         | 0.23          | 35.13         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Style Breakdown**



**Top 6 Holdings** as of 12-31-2019

| Name                                       | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|---------------|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Total Stock Mkt Idx Inv         | -             | 30.45       | 30.45        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv    | -             | 29.16       | 59.61        | -            | -                  |
| ⊖ Vanguard Total Intl Stock Index Inv      | -             | 20.57       | 80.18        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor      | -             | 12.37       | 92.55        | -            | -                  |
| ⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv | -             | 7.45        | 100.00       | -            | -                  |
| ⊕ Cmt Market Liquidity Rate                | -             | 0.00        | 100.00       | -            | -                  |

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2025 Inv VTTVX

**Morningstar Category**  
Target-Date 2025

**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

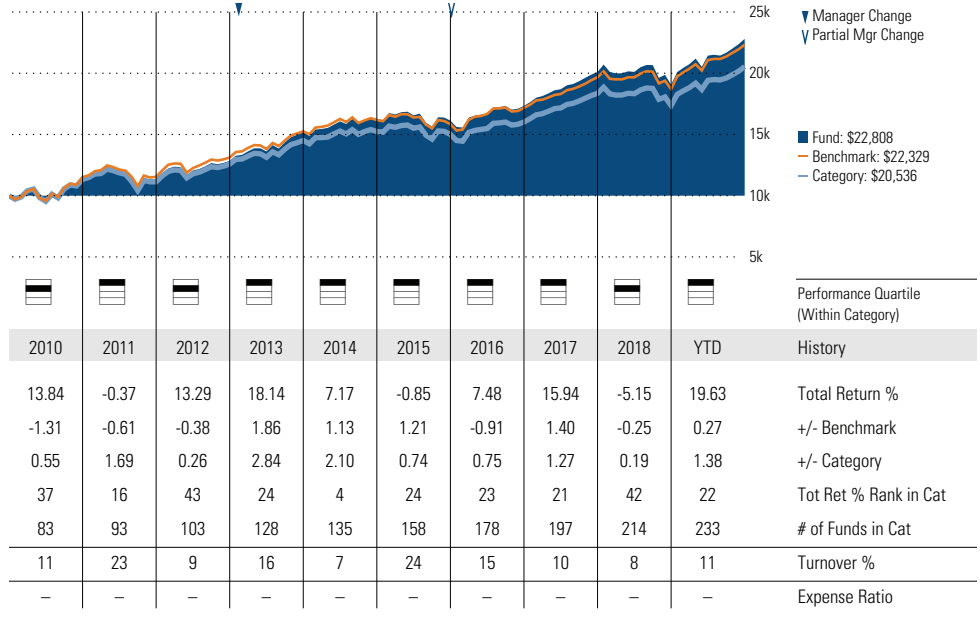
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 82.19% lower than the Target-Date 2025 category average.

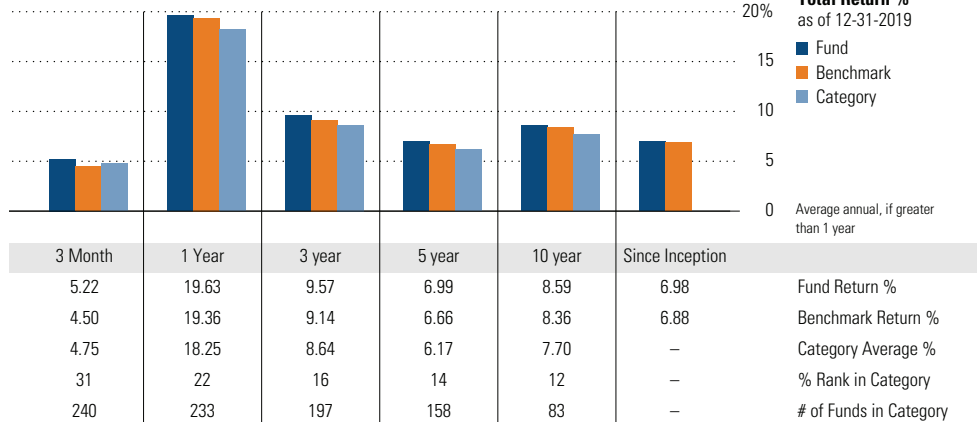
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

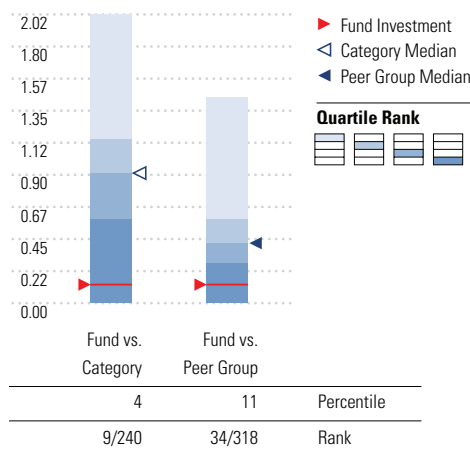
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | -0.21  | -     | -0.57  |
| Beta               | 1.07   | -     | 0.99   |
| R-Squared          | 98.62  | -     | 96.98  |
| Standard Deviation | 7.05   | 6.53  | 6.60   |
| Sharpe Ratio       | 1.09   | 1.11  | 1.01   |
| Tracking Error     | 0.95   | -     | 1.30   |
| Information Ratio  | 0.45   | -     | -0.51  |
| Up Capture Ratio   | 107.88 | -     | 97.10  |
| Down Capture Ratio | 113.71 | -     | 104.59 |

## Portfolio Metrics

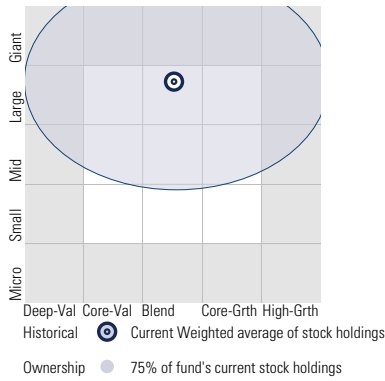
| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.78 | 17.67 | 17.99 |
| Price/Book Ratio     | 2.19  | 2.12  | 2.26  |
| Avg Eff Duration     | 6.85  | -     | 5.86  |

# Vanguard Target Retirement 2025 Inv VTTVX

**Morningstar Category**  
Target-Date 2025

**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

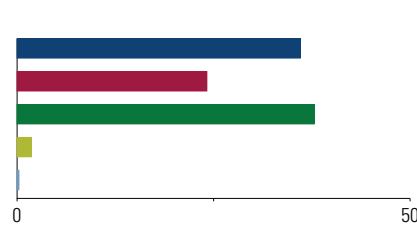
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**

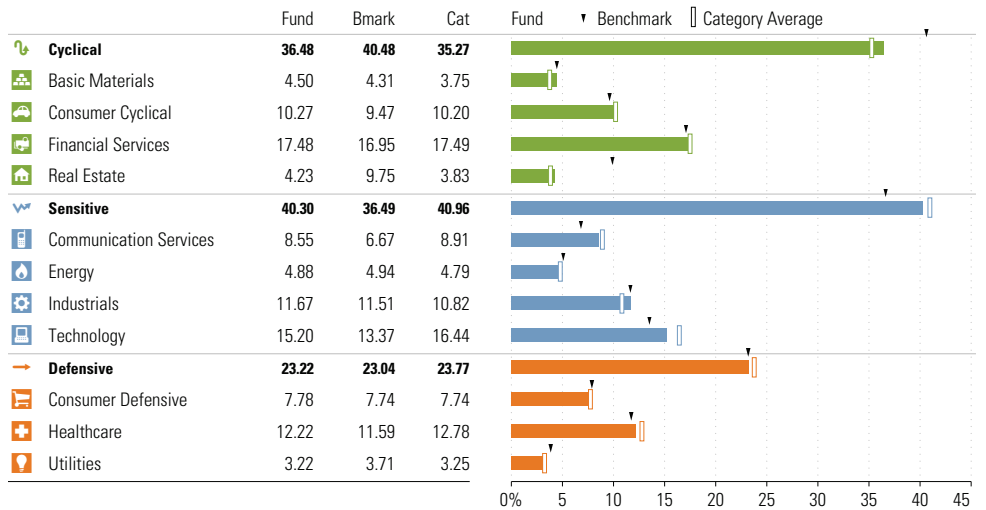


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 36.03         | 17.36         |
| Non-US Stocks | 24.14         | 7.34          |
| Bonds         | 37.80         | 20.14         |
| Cash          | 1.79          | 1.95          |
| Other         | 0.23          | 53.20         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Total Stock Mkt Idx Inv      | —             | 36.41       | 36.41        | —            | —                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | —             | 27.77       | 64.18        | —            | —                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | —             | 24.51       | 88.68        | —            | —                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | —             | 11.32       | 100.00       | —            | —                  |
| ⊖ Cmt Market Liquidity Rate             | —             | 0.00        | 100.00       | —            | —                  |

**Total Holdings 5**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2030 Inv VTHRX

**Morningstar Category**  
Target-Date 2030

**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2030 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

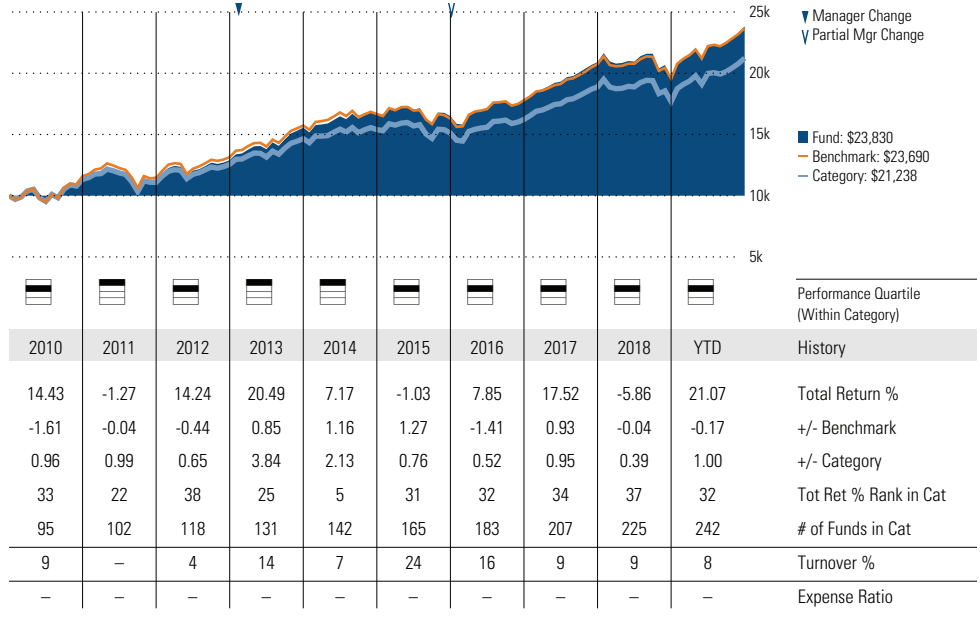
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 81.82% lower than the Target-Date 2030 category average.

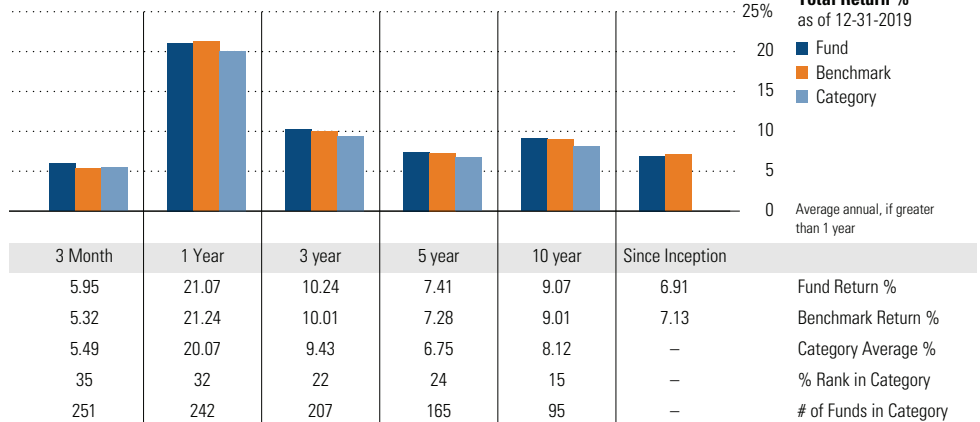
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

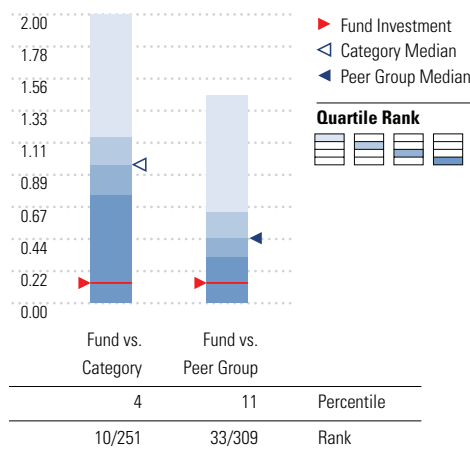
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | -0.07  | -     | -0.60  |
| Beta               | 1.03   | -     | 0.99   |
| R-Squared          | 99.11  | -     | 96.39  |
| Standard Deviation | 7.93   | 7.66  | 7.72   |
| Sharpe Ratio       | 1.05   | 1.06  | 0.96   |
| Tracking Error     | 0.78   | -     | 1.42   |
| Information Ratio  | 0.29   | -     | -0.46  |
| Up Capture Ratio   | 104.24 | -     | 97.19  |
| Down Capture Ratio | 107.33 | -     | 104.17 |

## Portfolio Metrics

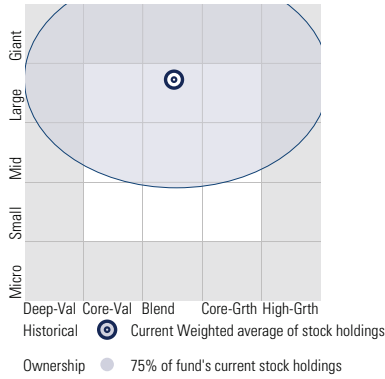
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.78 | 17.60 | 17.87 |
| Price/Book Ratio     | 2.19  | 2.10  | 2.20  |
| Avg Eff Duration     | 6.85  | -     | 5.88  |

# Vanguard Target Retirement 2030 Inv VTHRX

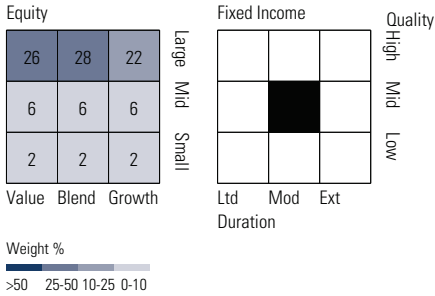
**Morningstar Category**  
Target-Date 2030

**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

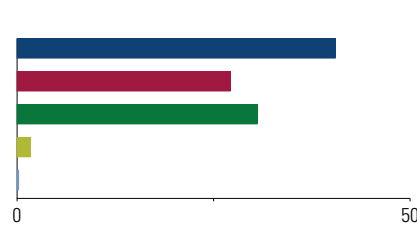
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**



**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 40.46         | 27.05         |
| Non-US Stocks | 27.11         | 11.57         |
| Bonds         | 30.56         | 16.47         |
| Cash          | 1.68          | 2.07          |
| Other         | 0.19          | 42.84         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>36.49</b> | <b>40.33</b> | <b>35.23</b> |      |           |                  |
| Basic Materials        | 4.50         | 4.40         | 3.64         |      |           |                  |
| Consumer Cyclical      | 10.27        | 9.58         | 10.37        |      |           |                  |
| Financial Services     | 17.49        | 17.12        | 17.68        |      |           |                  |
| Real Estate            | 4.23         | 9.23         | 3.54         |      |           |                  |
| <b>Sensitive</b>       | <b>40.30</b> | <b>36.64</b> | <b>40.73</b> |      |           |                  |
| Communication Services | 8.55         | 6.69         | 8.93         |      |           |                  |
| Energy                 | 4.88         | 4.98         | 4.52         |      |           |                  |
| Industrials            | 11.67        | 11.62        | 10.95        |      |           |                  |
| Technology             | 15.20        | 13.35        | 16.33        |      |           |                  |
| <b>Defensive</b>       | <b>23.22</b> | <b>23.03</b> | <b>24.04</b> |      |           |                  |
| Consumer Defensive     | 7.79         | 7.77         | 7.79         |      |           |                  |
| Healthcare             | 12.22        | 11.54        | 12.90        |      |           |                  |
| Utilities              | 3.21         | 3.72         | 3.35         |      |           |                  |

**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Total Stock Mkt Idx Inv      | -             | 40.89       | 40.89        | -            | -                  |
| ⊖ Vanguard Total Intl Stock Index Inv   | -             | 27.52       | 68.40        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 22.53       | 90.94        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 9.06        | 100.00       | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.00        | 100.00       | -            | -                  |

**Total Holdings 5**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2035 Inv VTTHX

**Morningstar Category**  
Target-Date 2035

**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

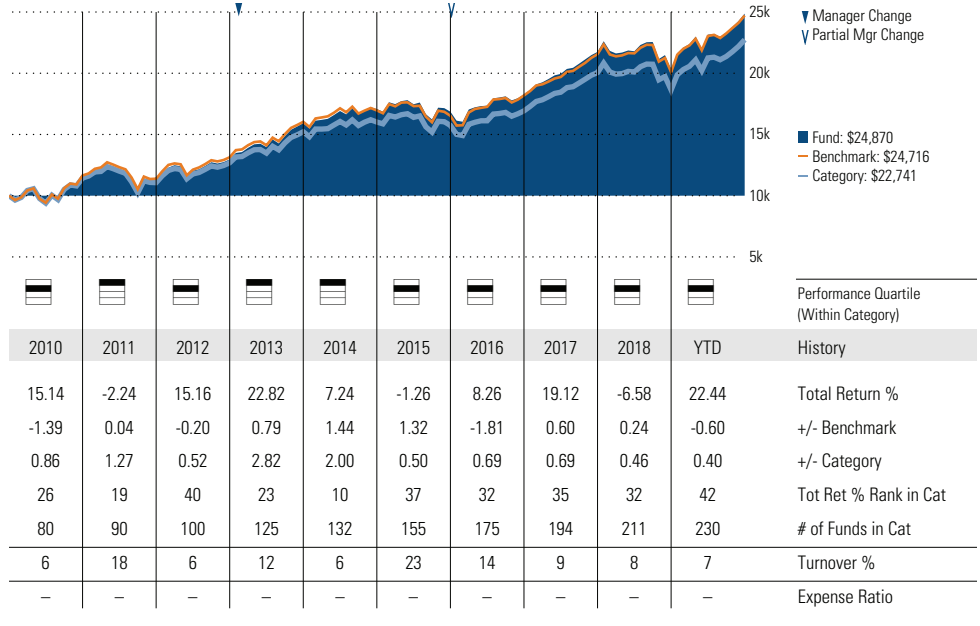
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 81.58% lower than the Target-Date 2035 category average.

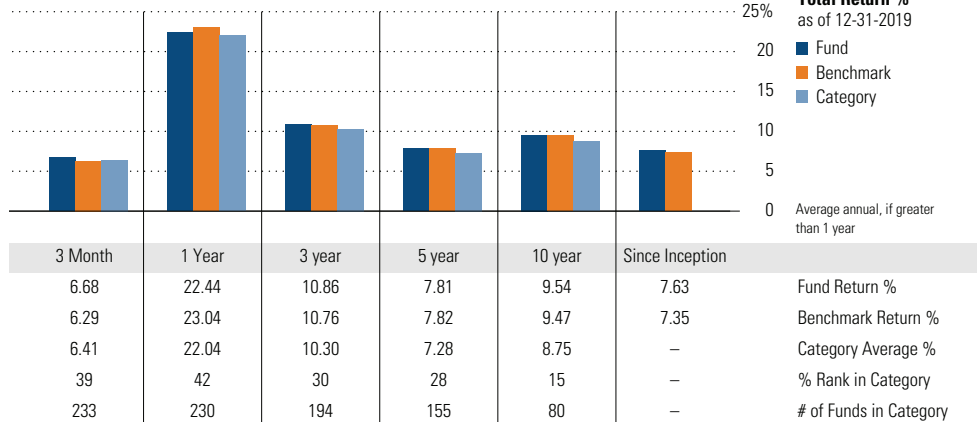
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

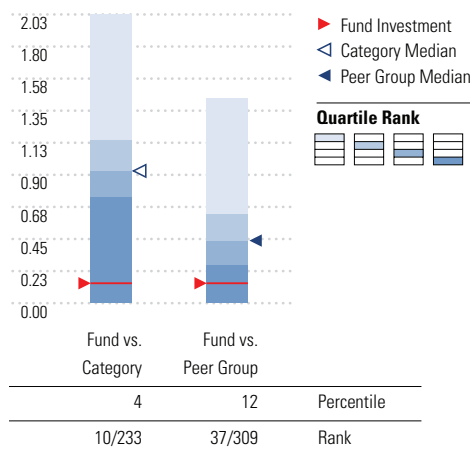
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 0.20   | -     | -0.39  |
| Beta               | 0.99   | -     | 0.99   |
| R-Squared          | 99.34  | -     | 98.32  |
| Standard Deviation | 8.79   | 8.86  | 8.86   |
| Sharpe Ratio       | 1.02   | 1.01  | 0.95   |
| Tracking Error     | 0.72   | -     | 1.27   |
| Information Ratio  | 0.14   | -     | -0.41  |
| Up Capture Ratio   | 100.77 | -     | 97.98  |
| Down Capture Ratio | 100.57 | -     | 101.65 |

## Portfolio Metrics

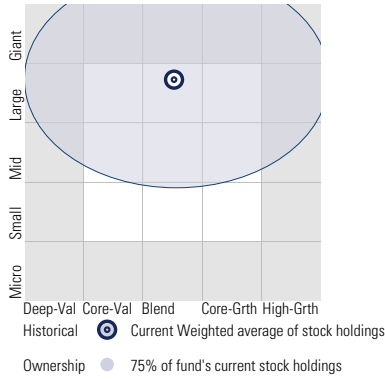
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.77 | 17.52 | 18.00 |
| Price/Book Ratio     | 2.19  | 2.08  | 2.24  |
| Avg Eff Duration     | 6.84  | -     | 5.90  |

# Vanguard Target Retirement 2035 Inv VTTX

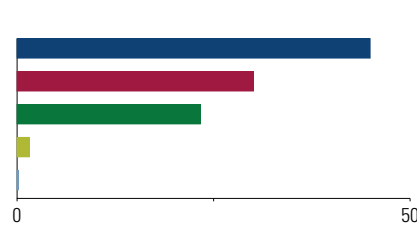
**Morningstar Category**  
Target-Date 2035

**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Asset Allocation** as of 12-31-2019

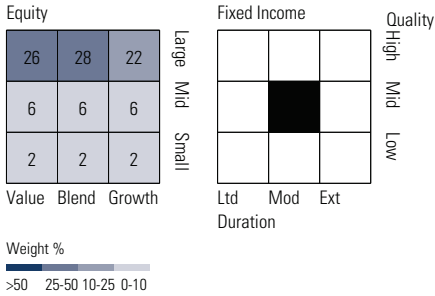


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 44.91         | 45.41         |
| Non-US Stocks | 30.07         | 24.50         |
| Bonds         | 23.31         | 18.38         |
| Cash          | 1.56          | 2.74          |
| Other         | 0.16          | 8.97          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>36.47</b> | <b>40.25</b> | <b>37.27</b> |      |           |                  |
| Basic Materials        | 4.49         | 4.49         | 3.98         |      |           |                  |
| Consumer Cyclical      | 10.27        | 9.67         | 10.22        |      |           |                  |
| Financial Services     | 17.48        | 17.27        | 17.46        |      |           |                  |
| Real Estate            | 4.23         | 8.82         | 5.61         |      |           |                  |
| <b>Sensitive</b>       | <b>40.32</b> | <b>36.75</b> | <b>39.79</b> |      |           |                  |
| Communication Services | 8.55         | 6.72         | 8.36         |      |           |                  |
| Energy                 | 4.90         | 5.01         | 4.53         |      |           |                  |
| Industrials            | 11.66        | 11.70        | 11.20        |      |           |                  |
| Technology             | 15.21        | 13.32        | 15.70        |      |           |                  |
| <b>Defensive</b>       | <b>23.21</b> | <b>23.00</b> | <b>22.93</b> |      |           |                  |
| Consumer Defensive     | 7.78         | 7.78         | 7.34         |      |           |                  |
| Healthcare             | 12.22        | 11.50        | 12.32        |      |           |                  |
| Utilities              | 3.21         | 3.72         | 3.27         |      |           |                  |

**Style Breakdown**



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Total Stock Mkt Idx Inv      | -             | 45.37       | 45.37        | -            | -                  |
| ⊖ Vanguard Total Intl Stock Index Inv   | -             | 30.52       | 75.90        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 17.25       | 93.15        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 6.85        | 100.00       | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.00        | 100.00       | -            | -                  |

**Total Holdings 5**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard Target Retirement 2040 Inv VFORX

**Morningstar Category**  
Target-Date 2040

**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

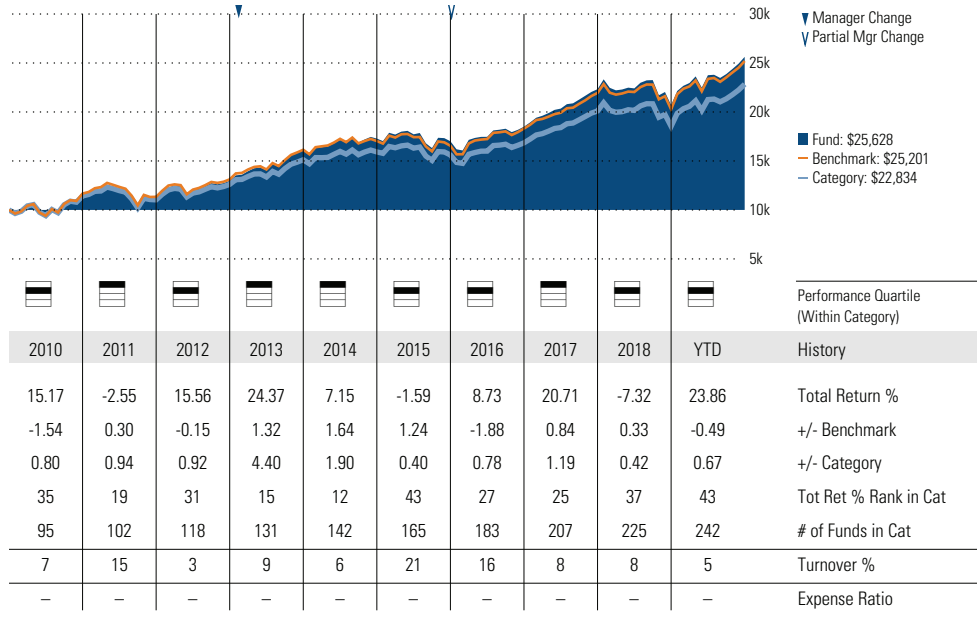
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.28% lower than the Target-Date 2040 category average.

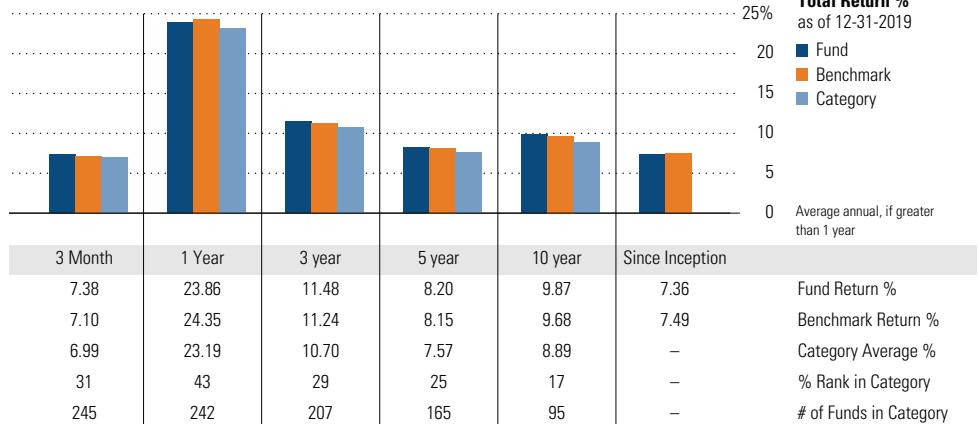
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

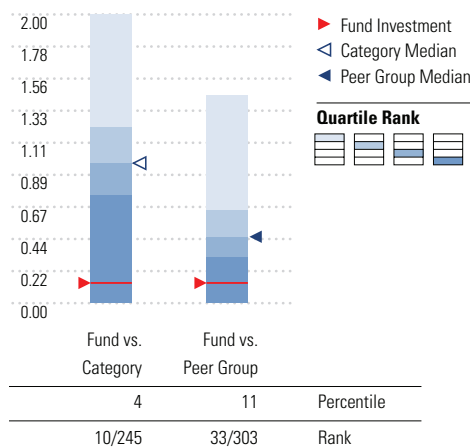
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 0.37   | -     | -0.20 |
| Beta               | 0.99   | -     | 0.96  |
| R-Squared          | 99.38  | -     | 96.84 |
| Standard Deviation | 9.69   | 9.80  | 9.53  |
| Sharpe Ratio       | 1.00   | 0.96  | 0.92  |
| Tracking Error     | 0.78   | -     | 1.50  |
| Information Ratio  | 0.32   | -     | -0.40 |
| Up Capture Ratio   | 100.78 | -     | 95.45 |
| Down Capture Ratio | 99.12  | -     | 97.29 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 17.44 | 17.85 |
| Price/Book Ratio     | 2.19  | 2.06  | 2.20  |
| Avg Eff Duration     | 6.86  | -     | 5.93  |

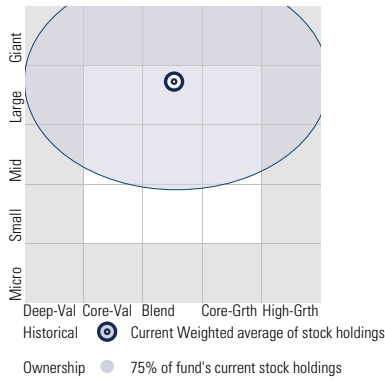
# Vanguard Target Retirement 2040 Inv VFORX

**Morningstar Category**  
Target-Date 2040

**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

## Style Analysis as of 12-31-2019

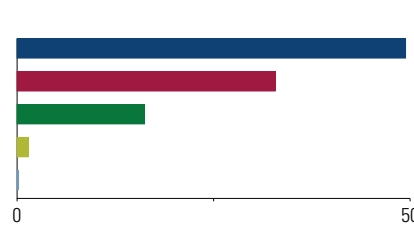
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 49.42         | 38.04         |
| Non-US Stocks | 32.83         | 19.96         |
| Bonds         | 16.21         | 5.97          |
| Cash          | 1.43          | 1.63          |
| Other         | 0.13          | 34.41         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>36.46</b> | <b>40.29</b> | <b>36.34</b> |      |           |                  |
| Basic Materials        | 4.49         | 4.57         | 3.95         |      |           |                  |
| Consumer Cyclical      | 10.27        | 9.74         | 10.31        |      |           |                  |
| Financial Services     | 17.47        | 17.38        | 17.51        |      |           |                  |
| Real Estate            | 4.23         | 8.60         | 4.57         |      |           |                  |
| <b>Sensitive</b>       | <b>40.33</b> | <b>36.80</b> | <b>40.45</b> |      |           |                  |
| Communication Services | 8.56         | 6.73         | 8.74         |      |           |                  |
| Energy                 | 4.89         | 5.05         | 4.57         |      |           |                  |
| Industrials            | 11.66        | 11.75        | 11.08        |      |           |                  |
| Technology             | 15.22        | 13.27        | 16.06        |      |           |                  |
| <b>Defensive</b>       | <b>23.22</b> | <b>22.90</b> | <b>23.21</b> |      |           |                  |
| Consumer Defensive     | 7.78         | 7.77         | 7.55         |      |           |                  |
| Healthcare             | 12.23        | 11.42        | 12.48        |      |           |                  |
| Utilities              | 3.21         | 3.71         | 3.18         |      |           |                  |

## Top 5 Holdings as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊖ Vanguard Total Stock Mkt Idx Inv      | -             | 49.94       | 49.94        | -            | -                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | -             | 33.32       | 83.25        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 11.87       | 95.13        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 4.87        | 100.00       | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.00        | 100.00       | -            | -                  |

## Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2045 Inv VTIVX

**Morningstar Category**  
Target-Date 2045

**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2045 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

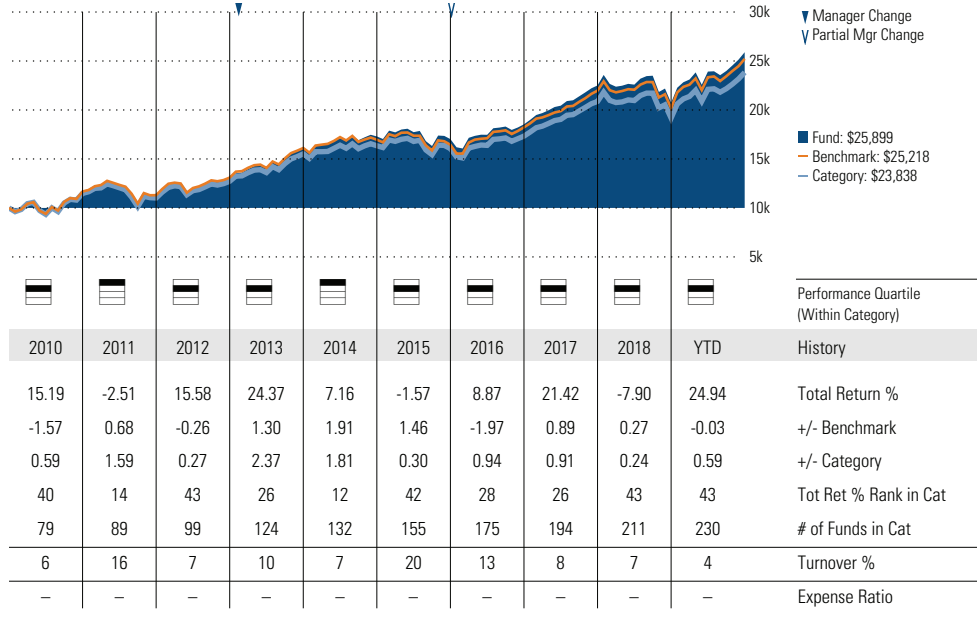
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 80.52% lower than the Target-Date 2045 category average.

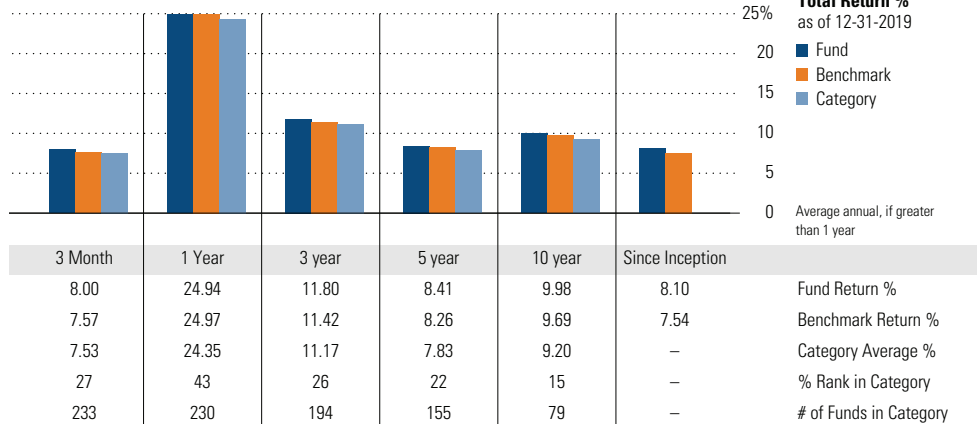
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

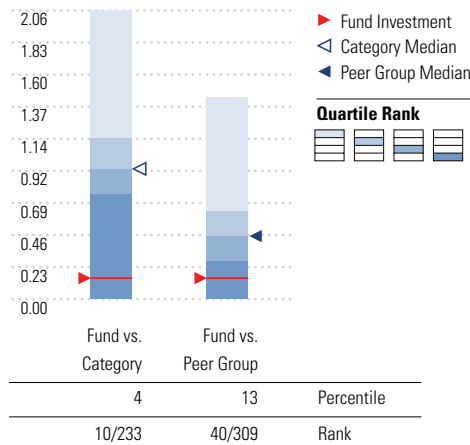
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 0.33   | -     | -0.12 |
| Beta               | 1.00   | -     | 0.98  |
| R-Squared          | 99.43  | -     | 98.54 |
| Standard Deviation | 10.32  | 10.28 | 10.17 |
| Sharpe Ratio       | 0.97   | 0.94  | 0.92  |
| Tracking Error     | 0.78   | -     | 1.28  |
| Information Ratio  | 0.48   | -     | -0.30 |
| Up Capture Ratio   | 101.94 | -     | 97.85 |
| Down Capture Ratio | 100.47 | -     | 98.82 |

## Portfolio Metrics

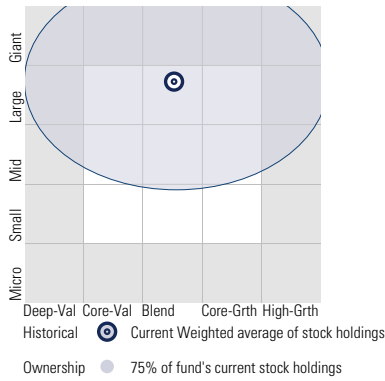
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 17.36 | 18.17 |
| Price/Book Ratio     | 2.19  | 2.04  | 2.23  |
| Avg Eff Duration     | 6.86  | -     | 5.97  |

# Vanguard Target Retirement 2045 Inv VTIVX

**Morningstar Category**  
Target-Date 2045

**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

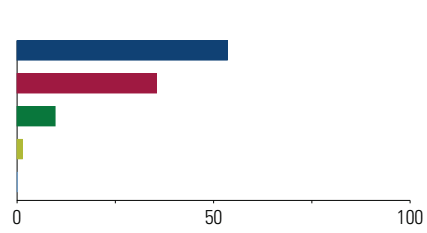
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**

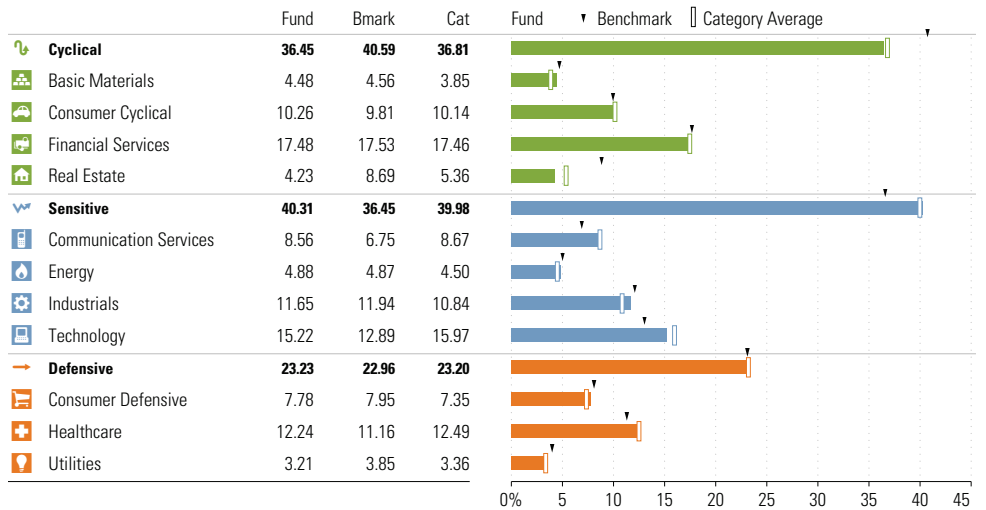


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 53.47         | 45.48         |
| Non-US Stocks | 35.46         | 25.35         |
| Bonds         | 9.66          | 2.90          |
| Cash          | 1.32          | 1.51          |
| Other         | 0.09          | 24.76         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Stock Mkt Idx Inv      | -             | 54.03       | 54.03        | -            | -                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | -             | 35.99       | 90.02        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 7.05        | 97.08        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 2.92        | 100.00       | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.00        | 100.00       | -            | -                  |

**Total Holdings 5**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2050 Inv VFIFX

**Morningstar Category**  
Target-Date 2050

**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2050 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

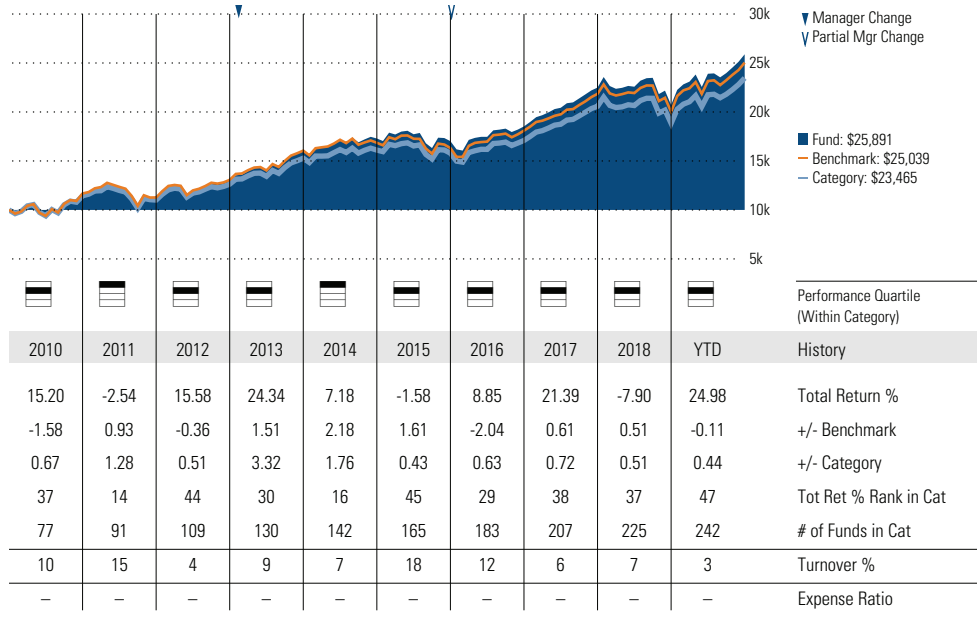
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.25% lower than the Target-Date 2050 category average.

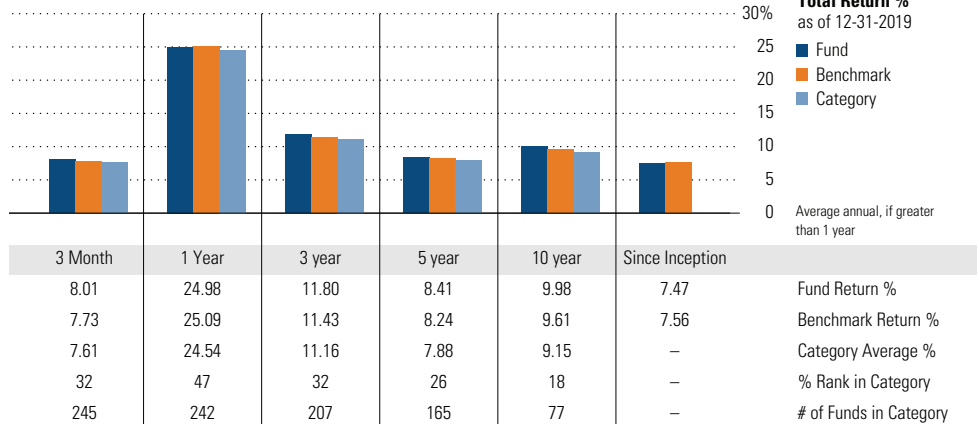
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

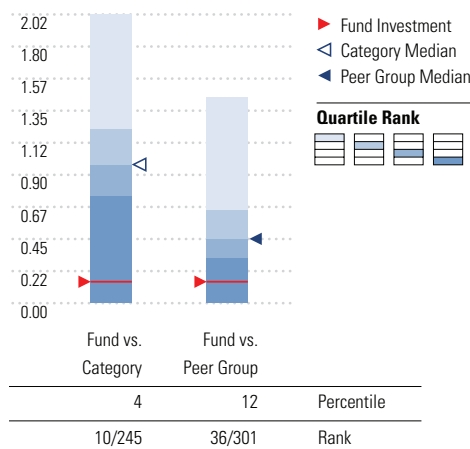
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 0.44   | -     | -0.09 |
| Beta               | 0.99   | -     | 0.97  |
| R-Squared          | 99.38  | -     | 96.89 |
| Standard Deviation | 10.34  | 10.42 | 10.26 |
| Sharpe Ratio       | 0.97   | 0.93  | 0.90  |
| Tracking Error     | 0.82   | -     | 1.51  |
| Information Ratio  | 0.45   | -     | -0.25 |
| Up Capture Ratio   | 101.20 | -     | 96.94 |
| Down Capture Ratio | 98.99  | -     | 97.82 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 17.28 | 18.03 |
| Price/Book Ratio     | 2.19  | 2.02  | 2.21  |
| Avg Eff Duration     | 6.86  | -     | 5.96  |

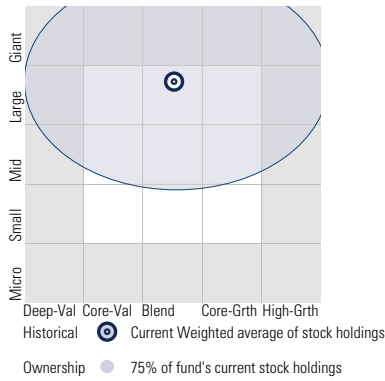
# Vanguard Target Retirement 2050 Inv VFIFX

**Morningstar Category**  
Target-Date 2050

**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

## Style Analysis as of 12-31-2019

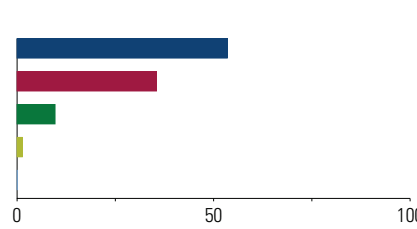
Morningstar Style Box™



## Style Breakdown

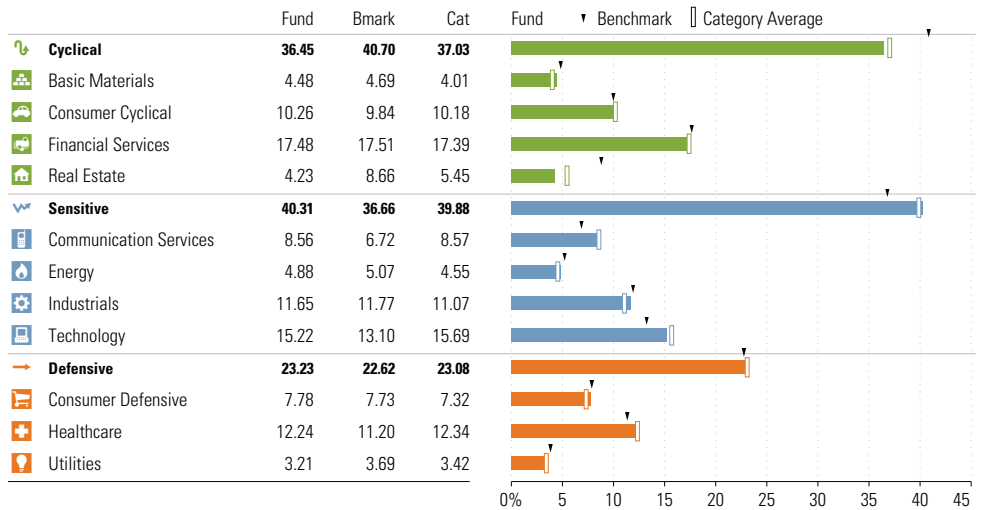


## Asset Allocation as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 53.47         | 46.52         |
| Non-US Stocks | 35.46         | 27.09         |
| Bonds         | 9.65          | 2.00          |
| Cash          | 1.32          | 1.45          |
| Other         | 0.09          | 22.94         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 12-31-2019



## Top 5 Holdings as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Stock Mkt Idx Inv      | —             | 54.03       | 54.03        | —            | —                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | —             | 35.99       | 90.02        | —            | —                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | —             | 7.03        | 97.06        | —            | —                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | —             | 2.94        | 100.00       | —            | —                  |
| ⊖ Cmt Market Liquidity Rate             | —             | 0.00        | 100.00       | —            | —                  |

## Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2055 Inv VFFVX

**Morningstar Category**  
Target-Date 2055

**Morningstar Index**  
Morningstar Lifetime Mod 2055 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

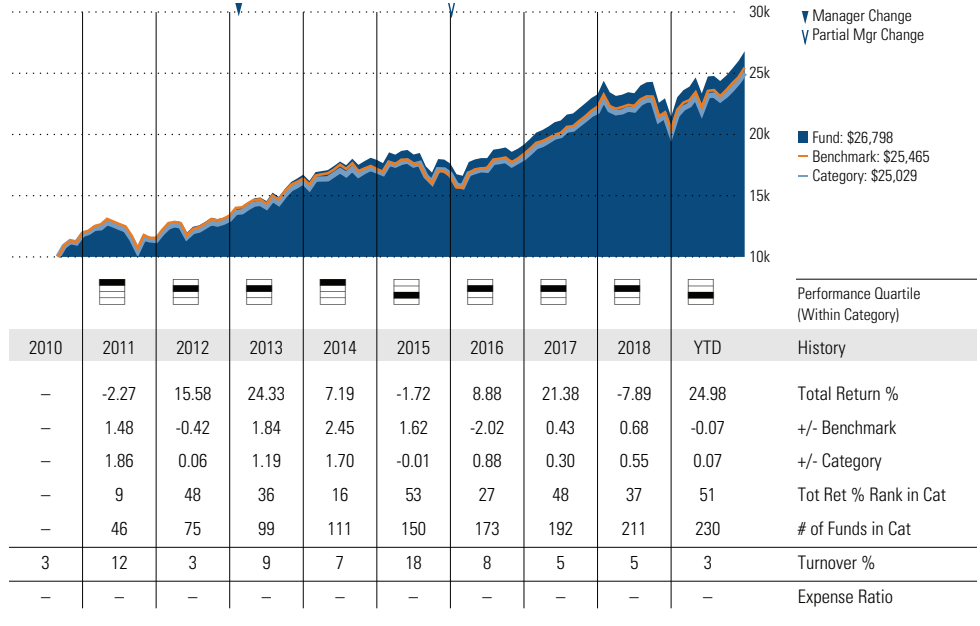
## Quantitative Screens

- Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 9 of the 9 years it's been in existence.
- Management:** The fund's management has been in place for 6.86 years.
- Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.
- Net Expense:** The fund's expense ratio of 0.15 is 80.52% lower than the Target-Date 2055 category average.

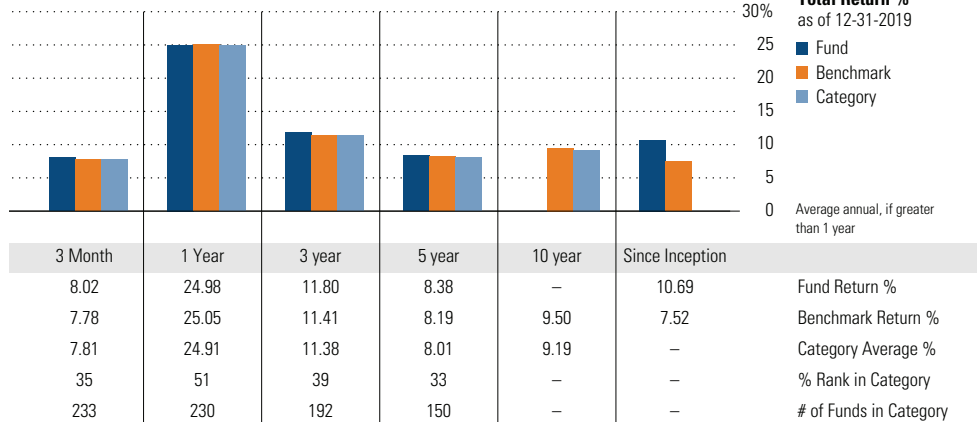
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

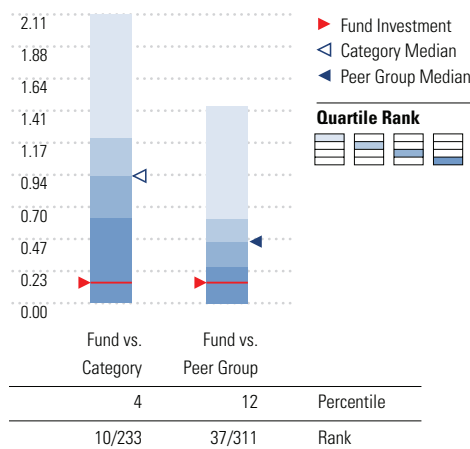
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | 0.52   | -     | -0.04 |
| Beta               | 0.98   | -     | 0.99  |
| R-Squared          | 99.38  | -     | 98.53 |
| Standard Deviation | 10.32  | 10.45 | 10.46 |
| Sharpe Ratio       | 0.97   | 0.92  | 0.91  |
| Tracking Error     | 0.83   | -     | 1.30  |
| Information Ratio  | 0.46   | -     | -0.14 |
| Up Capture Ratio   | 100.87 | -     | 99.24 |
| Down Capture Ratio | 98.12  | -     | 99.74 |

## Portfolio Metrics

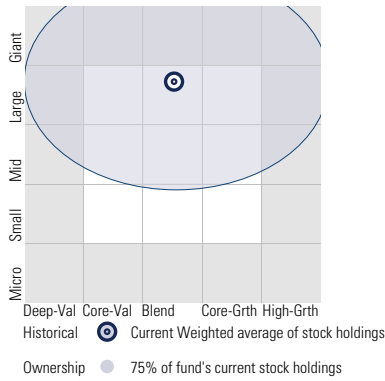
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.75 | 17.19 | 17.92 |
| Price/Book Ratio     | 2.19  | 2.00  | 2.19  |
| Avg Eff Duration     | 6.86  | -     | 5.95  |

# Vanguard Target Retirement 2055 Inv VFFVX

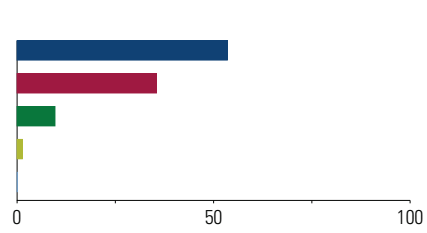
**Morningstar Category**  
Target-Date 2055

**Morningstar Index**  
Morningstar Lifetime Mod 2055 TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™

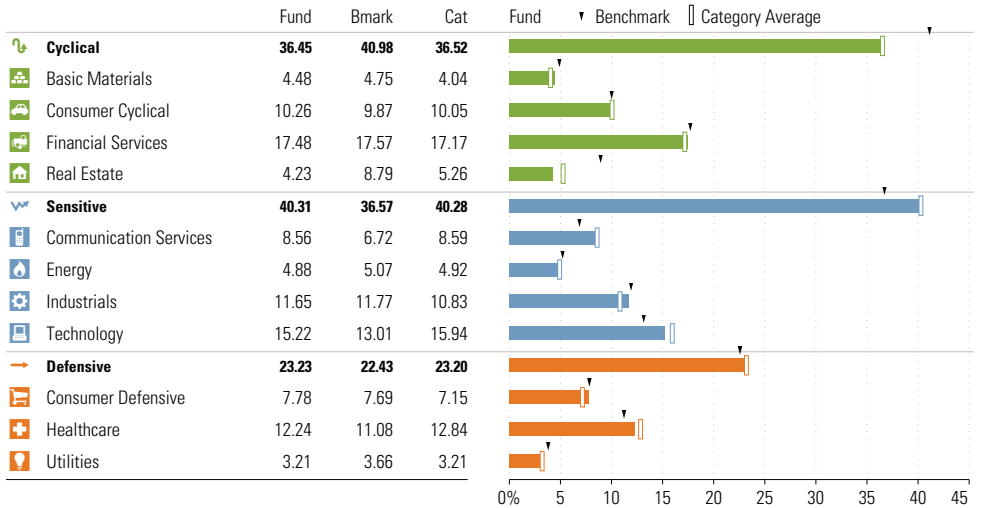


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 53.49         | 50.49         |
| Non-US Stocks | 35.46         | 29.63         |
| Bonds         | 9.63          | 3.70          |
| Cash          | 1.33          | 2.09          |
| Other         | 0.09          | 14.08         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Style Breakdown**



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Stock Mkt Idx Inv      | -             | 54.05       | 54.05        | -            | -                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | -             | 35.99       | 90.04        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 7.02        | 97.06        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 2.93        | 99.99        | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.01        | 100.00       | -            | -                  |

**Total Holdings** 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2060 Inv VTTSX

**Morningstar Category**  
Target-Date 2060+

**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060+ category's top three quartiles in 7 of the 7 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

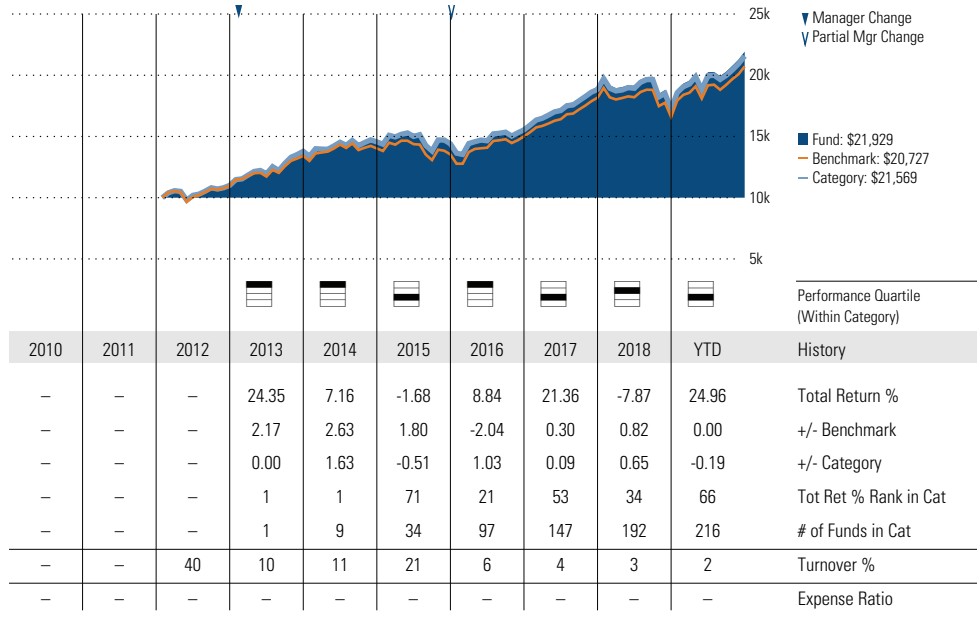
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 80.77% lower than the Target-Date 2060+ category average.

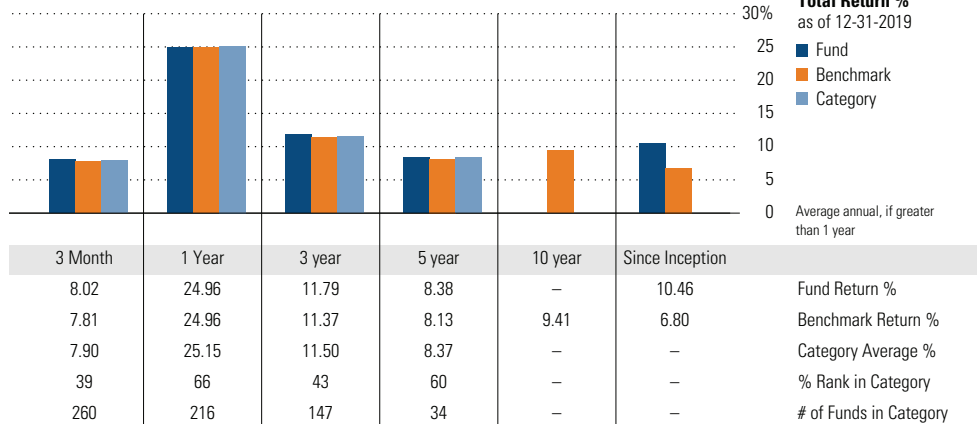
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 0.55   | -     | 0.08   |
| Beta               | 0.98   | -     | 1.00   |
| R-Squared          | 99.32  | -     | 98.42  |
| Standard Deviation | 10.33  | 10.45 | 10.53  |
| Sharpe Ratio       | 0.97   | 0.92  | 0.92   |
| Tracking Error     | 0.87   | -     | 1.36   |
| Information Ratio  | 0.49   | -     | 0.01   |
| Up Capture Ratio   | 101.05 | -     | 100.30 |
| Down Capture Ratio | 98.09  | -     | 99.99  |

## Portfolio Metrics

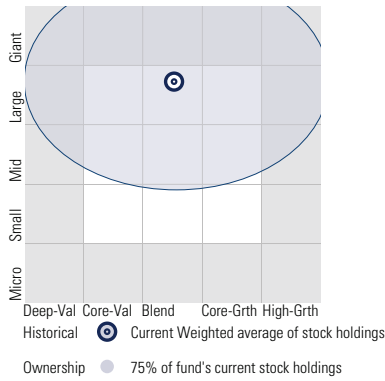
|                      | Fund  | Bmark | Cat  |
|----------------------|-------|-------|------|
| Price/Earnings Ratio | 17.75 | 17.12 | -    |
| Price/Book Ratio     | 2.18  | 1.99  | -    |
| Avg Eff Duration     | 6.85  | -     | 5.81 |

# Vanguard Target Retirement 2060 Inv VTTSX

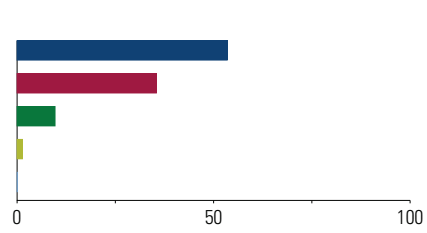
**Morningstar Category**  
Target-Date 2060+

**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™

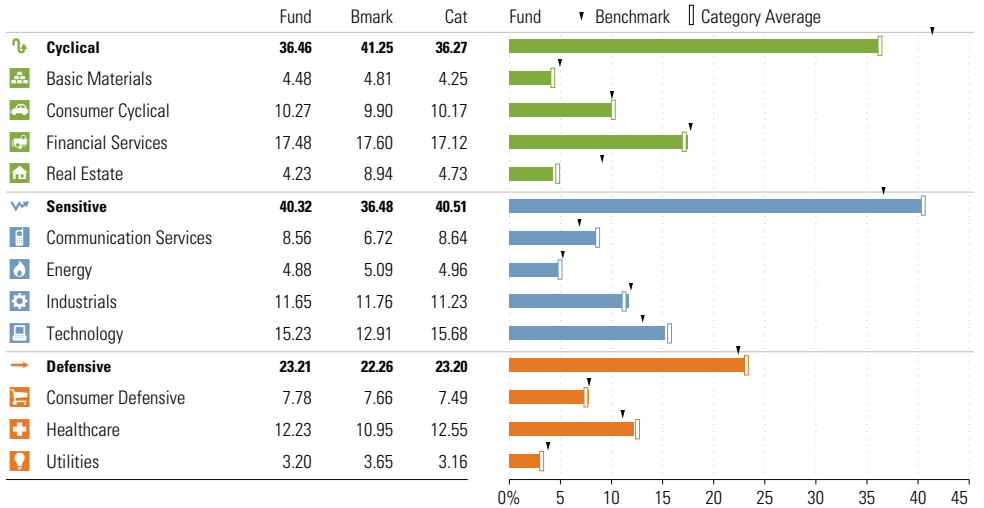


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 53.45         | 46.50         |
| Non-US Stocks | 35.44         | 29.14         |
| Bonds         | 9.65          | 4.64          |
| Cash          | 1.36          | 1.90          |
| Other         | 0.09          | 17.81         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Style Breakdown**



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Stock Mkt Idx Inv      | -             | 54.01       | 54.01        | -            | -                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | -             | 35.97       | 89.99        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 7.07        | 97.05        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 2.90        | 99.96        | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.04        | 100.00       | -            | -                  |

**Total Holdings** 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2065 Inv VLXVX

**Morningstar Category**  
Target-Date 2060+

**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

## Portfolio Manager(s)

Walter Nejman since 07-2017  
William Coleman since 07-2017

## Quantitative Screens

The Performance screen is not applicable for funds with less than three years of data.

✗ **Management:** The fund's management team has been in place for less than three years.

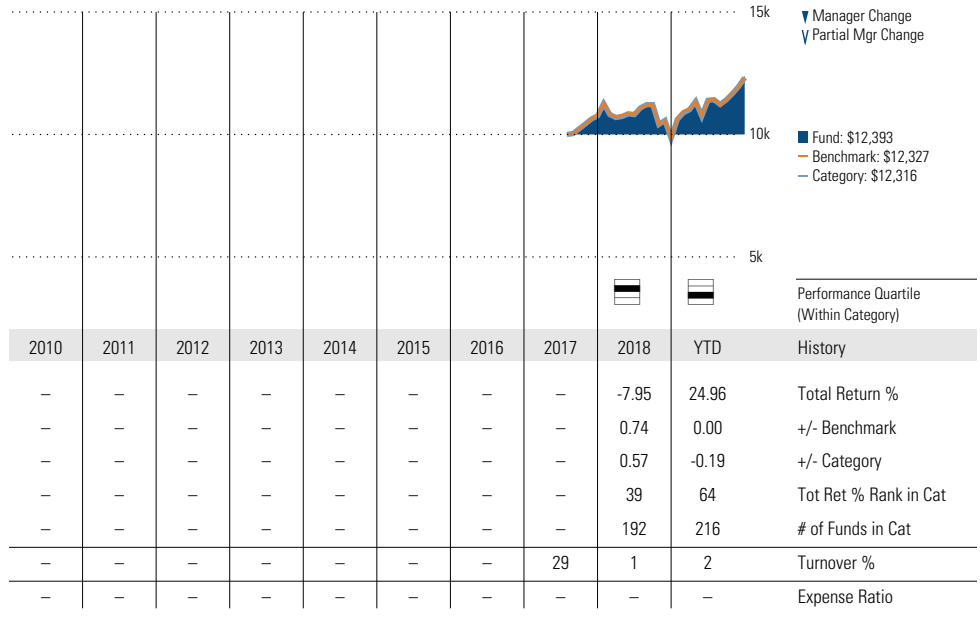
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 80.77% lower than the Target-Date 2060+ category average.

## Morningstar Investment Management LLC Analysis

This fund fails our management tenure screen due to the inception of the new 2065 target date fund. This fund is managed by the same team as the full target date series, so we are comfortable with this screen failure.

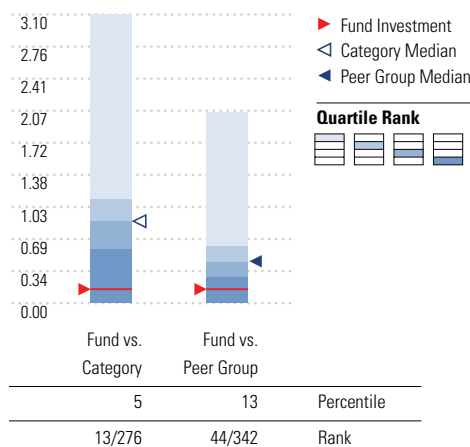
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund | Bmark | Cat    |
|--------------------|------|-------|--------|
| Alpha              | -    | -     | 0.08   |
| Beta               | -    | -     | 1.00   |
| R-Squared          | -    | -     | 98.42  |
| Standard Deviation | -    | 10.45 | 10.53  |
| Sharpe Ratio       | -    | 0.92  | 0.92   |
| Tracking Error     | -    | -     | 1.36   |
| Information Ratio  | -    | -     | 0.01   |
| Up Capture Ratio   | -    | -     | 100.30 |
| Down Capture Ratio | -    | -     | 99.99  |

## Portfolio Metrics

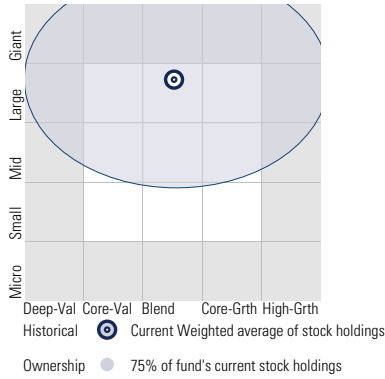
|                      | Fund | Bmark | Cat  |
|----------------------|------|-------|------|
| Price/Earnings Ratio | -    | 17.12 | -    |
| Price/Book Ratio     | -    | 1.99  | -    |
| Avg Eff Duration     | 6.87 | -     | 5.81 |

# Vanguard Target Retirement 2065 Inv VLXVX

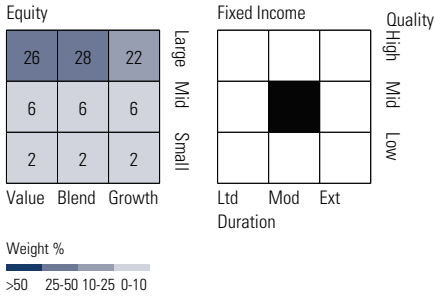
**Morningstar Category**  
Target-Date 2060+

**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

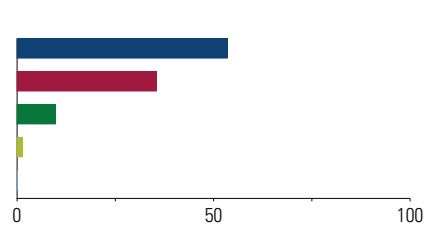
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**

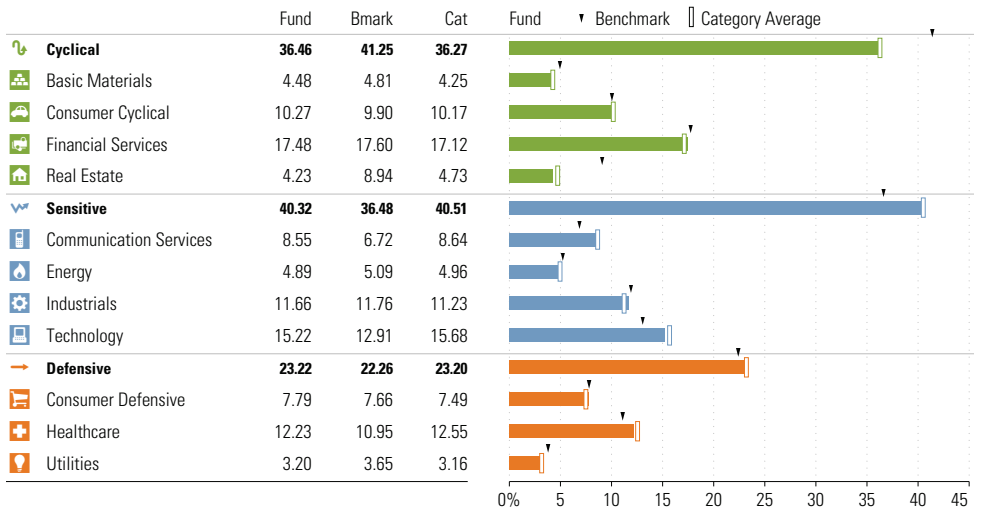


**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 53.45         | 46.50         |
| Non-US Stocks | 35.43         | 29.14         |
| Bonds         | 9.70          | 4.64          |
| Cash          | 1.33          | 1.90          |
| Other         | 0.09          | 17.81         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019



**Top 5 Holdings** as of 12-31-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Stock Mkt Idx Inv      | -             | 54.01       | 54.01        | -            | -                  |
| ⊕ Vanguard Total Intl Stock Index Inv   | -             | 35.96       | 89.97        | -            | -                  |
| ⊕ Vanguard Total Bond Market II Idx Inv | -             | 7.01        | 96.99        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor   | -             | 3.00        | 99.99        | -            | -                  |
| ⊖ Cmt Market Liquidity Rate             | -             | 0.01        | 100.00       | -            | -                  |

**Total Holdings 5**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement Income Inv VTINX

**Morningstar Category**  
Target-Date Retirement

**Morningstar Index**  
Morningstar Lifetime Mod Incm TR USD

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date Retirement category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.86 years.

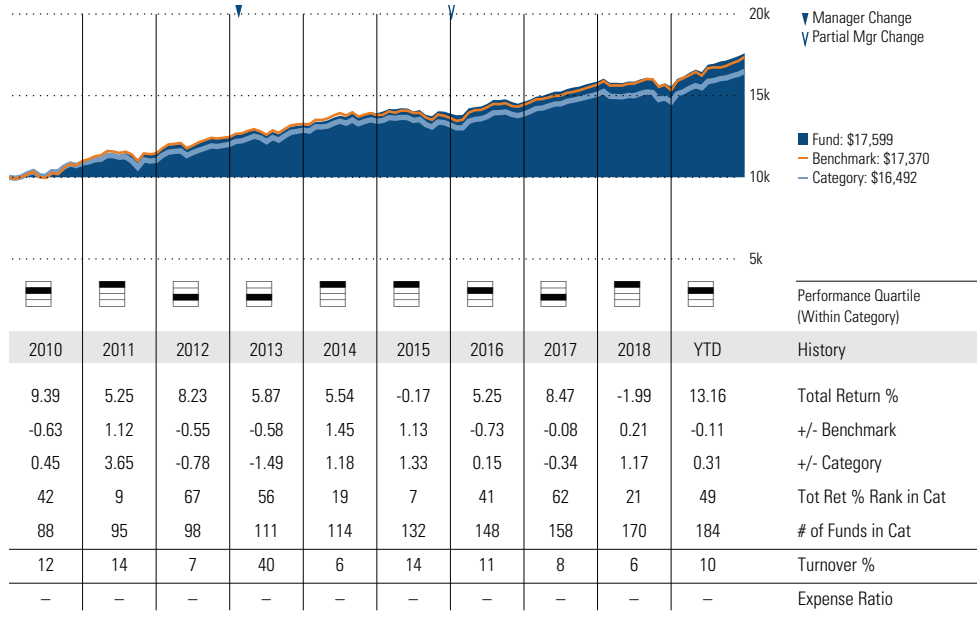
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.12 is 84.21% lower than the Target-Date Retirement category average.

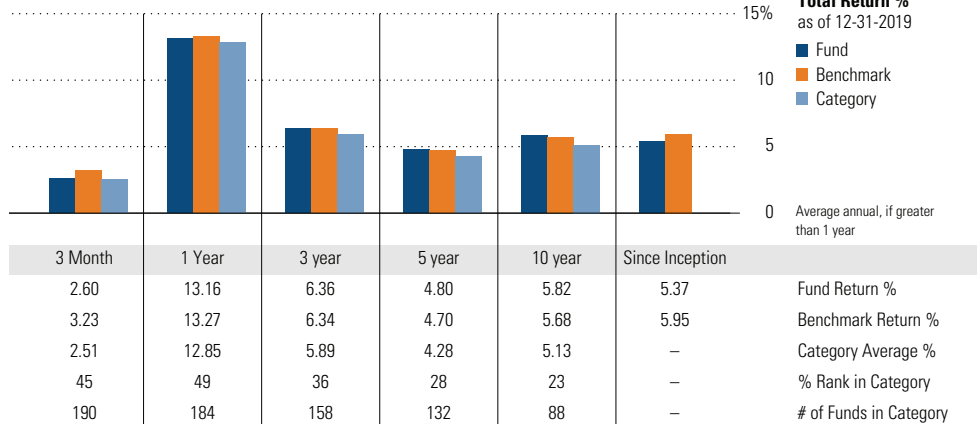
## Morningstar Investment Management LLC Analysis

This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

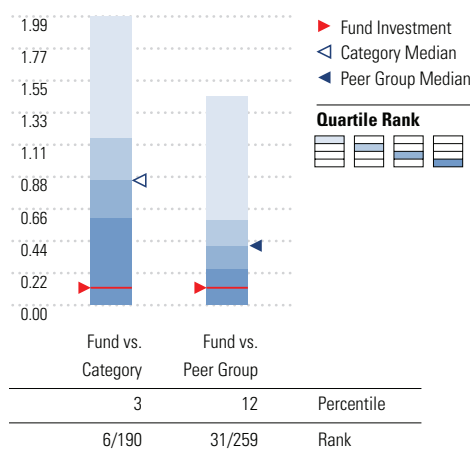
## Growth of \$10,000



## Trailing Performance



## Net Expense



Peer group is a subset of the category and includes funds with the same management style (active vs. passive) and similar share class characteristics.

## 3-Year Risk Metrics

|                    | Fund  | Bmark | Cat   |
|--------------------|-------|-------|-------|
| Alpha              | 0.97  | -     | -0.14 |
| Beta               | 0.84  | -     | 0.93  |
| R-Squared          | 94.90 | -     | 89.51 |
| Standard Deviation | 3.55  | 4.09  | 4.02  |
| Sharpe Ratio       | 1.27  | 1.10  | 0.99  |
| Tracking Error     | 1.02  | -     | 1.43  |
| Information Ratio  | 0.02  | -     | -0.34 |
| Up Capture Ratio   | 91.25 | -     | 89.67 |
| Down Capture Ratio | 71.78 | -     | 86.61 |

## Portfolio Metrics

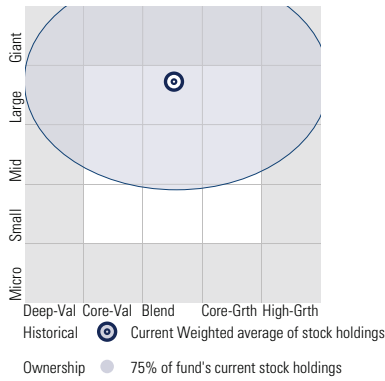
|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 17.76 | 18.03 | 17.72 |
| Price/Book Ratio     | 2.19  | 2.24  | 2.19  |
| Avg Eff Duration     | 5.81  | -     | 5.84  |

# Vanguard Target Retirement Income Inv VTINX

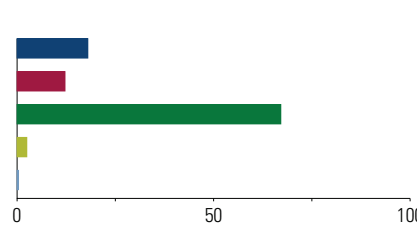
**Morningstar Category**  
Target-Date Retirement

**Morningstar Index**  
Morningstar Lifetime Mod Incm TR USD

**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Asset Allocation** as of 12-31-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 17.99         | 12.17         |
| Non-US Stocks | 12.18         | 5.37          |
| Bonds         | 67.09         | 41.41         |
| Cash          | 2.46          | 4.97          |
| Other         | 0.28          | 36.08         |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

**Sector Weighting** as of 12-31-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>36.51</b> | <b>40.38</b> | <b>37.35</b> |      |           |                  |
| Basic Materials        | 4.52         | 3.95         | 3.73         |      |           |                  |
| Consumer Cyclical      | 10.28        | 9.13         | 9.87         |      |           |                  |
| Financial Services     | 17.49        | 16.49        | 17.15        |      |           |                  |
| Real Estate            | 4.22         | 10.81        | 6.60         |      |           |                  |
| <b>Sensitive</b>       | <b>40.27</b> | <b>36.29</b> | <b>39.53</b> |      |           |                  |
| Communication Services | 8.55         | 6.63         | 8.38         |      |           |                  |
| Energy                 | 4.89         | 4.83         | 5.05         |      |           |                  |
| Industrials            | 11.67        | 11.22        | 10.61        |      |           |                  |
| Technology             | 15.16        | 13.61        | 15.49        |      |           |                  |
| <b>Defensive</b>       | <b>23.21</b> | <b>23.33</b> | <b>23.12</b> |      |           |                  |
| Consumer Defensive     | 7.78         | 7.75         | 7.46         |      |           |                  |
| Healthcare             | 12.20        | 11.84        | 12.39        |      |           |                  |
| Utilities              | 3.23         | 3.74         | 3.27         |      |           |                  |

**Style Breakdown**



**Top 6 Holdings** as of 12-31-2019

| Name                                       | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|---------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Total Bond Market II Idx Inv    | -             | 37.15       | 37.15        | -            | -                  |
| ⊖ Vanguard Total Stock Mkt Idx Inv         | -             | 18.17       | 55.32        | -            | -                  |
| ⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv | -             | 16.70       | 72.02        | -            | -                  |
| ⊕ Vanguard Total Intl Bd Idx Investor      | -             | 15.59       | 87.61        | -            | -                  |
| ⊖ Vanguard Total Intl Stock Index Inv      | -             | 12.36       | 99.97        | -            | -                  |
| ⊖ Cmt Market Liquidity Rate                | -             | 0.03        | 100.00       | -            | -                  |

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio