

# 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  
Sung Lee since 06-2002  
Nicholas Grace 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

## 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 18.34 years.

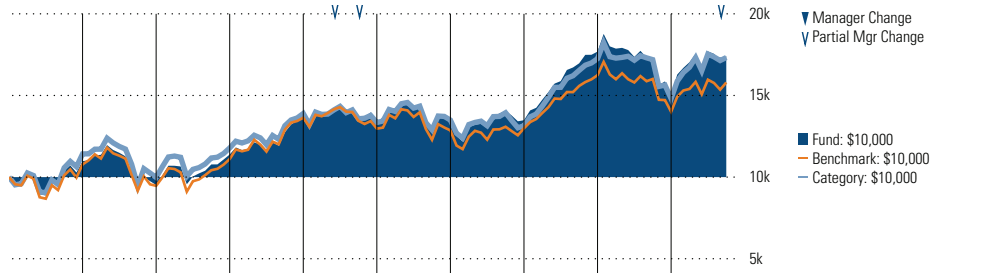
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.49 is 56.64% 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



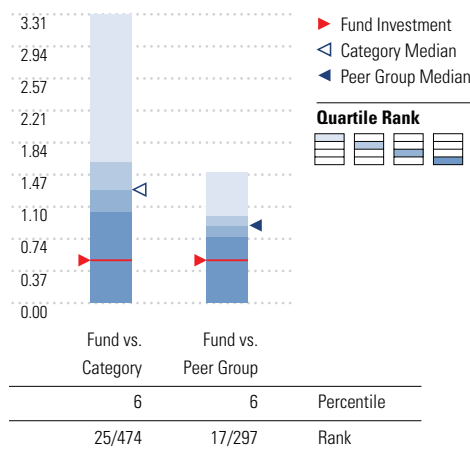
|  | 2010  | 2011   | 2012  | 2013  | 2014  | 2015  | 2016 | 2017  | 2018   | YTD   | History               |
|--|-------|--------|-------|-------|-------|-------|------|-------|--------|-------|-----------------------|
| Performance Quartile (Within Category) | III   | III    | III   | III   | III   | III   | III  | III   | III    | III   | III                   |
| Total Return %                         | 9.76  | -13.31 | 19.64 | 20.58 | -2.29 | -0.48 | 1.01 | 31.17 | -14.91 | 15.72 | Total Return %        |
| +/- Benchmark                          | 2.01  | -1.17  | 2.32  | -2.20 | 2.61  | 0.33  | 0.01 | 6.14  | -1.12  | 2.92  | +/- Benchmark         |
| +/- Category                           | -5.02 | -1.01  | 1.94  | 2.00  | 1.63  | -1.43 | 3.15 | 0.30  | -0.83  | -1.07 | +/- Category          |
| Tot Ret % Rank in Cat                  | 54    | 40     | 26    | 40    | 27    | 66    | 20   | 44    | 58     | 66    | Tot Ret % Rank in Cat |
| # of Funds in Cat                      | 252   | 267    | 277   | 303   | 325   | 343   | 375  | 411   | 449    | 475   | # of Funds in Cat     |
| Turnover %                             | 26    | 31     | 24    | 28    | 28    | 28    | 30   | 36    | 0      | 35    | Turnover %            |
| Expense Ratio                          | -     | -      | 0.50  | 0.50  | 0.49  | 0.49  | 0.50 | 0.50  | 0.49   | 0.49  | Expense Ratio         |

## Trailing Performance



|                        | 3 Month | 1 Year | 3 year | 5 year | 10 year | Since Inception |                        |
|------------------------|---------|--------|--------|--------|---------|-----------------|------------------------|
| Fund Return %          | -1.59   | 1.14   | 7.38   | 5.02   | 6.07    | 8.66            | Fund Return %          |
| Benchmark Return %     | -1.07   | -1.34  | 6.48   | 3.27   | 4.90    | 8.55            | Benchmark Return %     |
| Category Average %     | -1.24   | 0.61   | 7.18   | 4.94   | 6.29    | -               | Category Average %     |
| % Rank in Category     | 62      | 41     | 39     | 44     | 56      | -               | % Rank in Category     |
| # of Funds in Category | 495     | 467    | 396    | 340    | 250     | -               | # 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              | 0.63  | -     | 0.58  |
| Beta               | 1.05  | -     | 1.03  |
| R-Squared          | 90.11 | -     | -     |
| Standard Deviation | 12.26 | 11.07 | 12.56 |
| Sharpe Ratio       | 0.51  | 0.48  | 0.46  |
| Tracking Error     | 3.90  | -     | 5.20  |
| Information Ratio  | 0.23  | -     | 0.11  |
| Up Capture Ratio   | 99.76 | -     | 98.91 |
| Down Capture Ratio | 93.16 | -     | 93.55 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 18.06 | 15.97 | 22.11 |
| Price/Book Ratio     | 2.28  | 1.56  | 3.08  |
| Geom Avg Mkt Cap \$B | 44.15 | 35.74 | 39.99 |
| ROE                  | 17.63 | 16.29 | 20.08 |

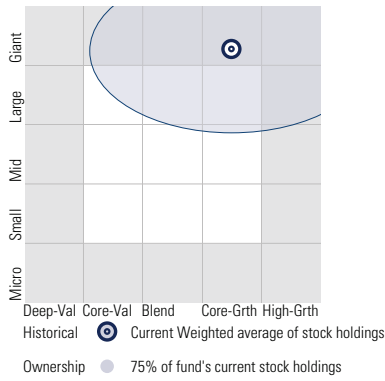
# American Funds Europacific Growth R6 RERGX

**Morningstar Category**  
Foreign Large Growth

**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 09-30-2019

Morningstar Style Box™



## Style Breakdown

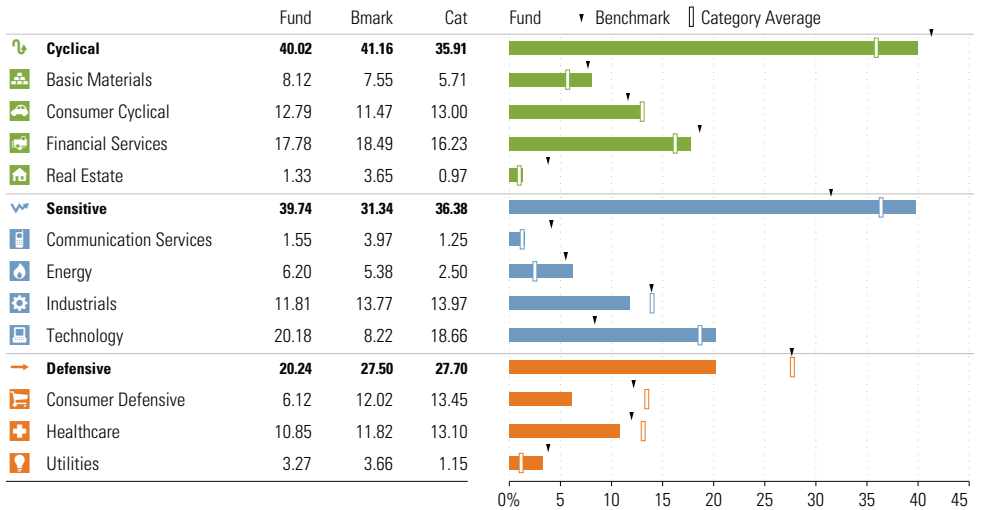


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 1.59          | 8.20          |
| Non-US Stocks | 89.75         | 88.19         |
| Bonds         | 0.11          | 0.04          |
| Cash          | 8.55          | 3.31          |
| Other         | 0.00          | 0.27          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## World Regions % Equity 09-30-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Market Maturity   | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 48.50  | 30.83 | Americas      | 12.05  | 15.21 | Greater Europe | 39.44  | 53.95 | Developed Markets | 71.33  |
| Japan            | 15.35  | 13.01 | North America | 5.32   | 13.02 | United Kingdom | 9.02   | 12.58 | Emerging Markets  | 28.67  |
| Australasia      | 1.19   | 2.16  | Central/Latin | 6.73   | 2.19  | W euro-ex UK   | 28.66  | 40.14 | Not Available     | 0.00   |
| Asia-4 Tigers    | 11.36  | 6.39  |               |        |       | Emrgng Europe  | 0.78   | 0.38  |                   |        |
| Asia-ex 4 Tigers | 20.60  | 9.27  |               |        |       | Africa         | 0.98   | 0.85  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 09-30-2019

| Name                              | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-----------------------------------|-------------|--------------|--------------|--------------------|
| ⊕ Capital Group Central Cash Fund | 8.12        | 8.12         | -            | -                  |
| ⊖ Airbus SE                       | 2.61        | 10.73        | 43.94        | Industrials        |
| ⊖ AIA Group Ltd                   | 2.56        | 13.29        | 15.89        | Financial Services |
| ⊕ Nintendo Co Ltd                 | 2.41        | 15.71        | 38.84        | Technology         |
| ⊕ Reliance Industries Ltd         | 2.38        | 18.09        | 19.40        | Energy             |
| ⊖ HDFC Bank Ltd                   | 2.32        | 20.40        | 16.65        | Financial Services |
| ⊖ Alibaba Group Holding Ltd ADR   | 2.12        | 22.53        | 22.00        | Consumer Cyclical  |
| ⊕ ASML Holding NV                 | 1.95        | 24.47        | 67.21        | Technology         |
| ⊖ Samsung Electronics Co Ltd      | 1.61        | 26.09        | -            | Technology         |
| ⊖ Daiichi Sankyo Co Ltd           | 1.56        | 27.64        | 95.78        | Healthcare         |

**Total Holdings 322**

⊕ 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  
David Clayton since 01-2017  
Russ Koesterich since 01-2017  
Rick Rieder since 04-2019

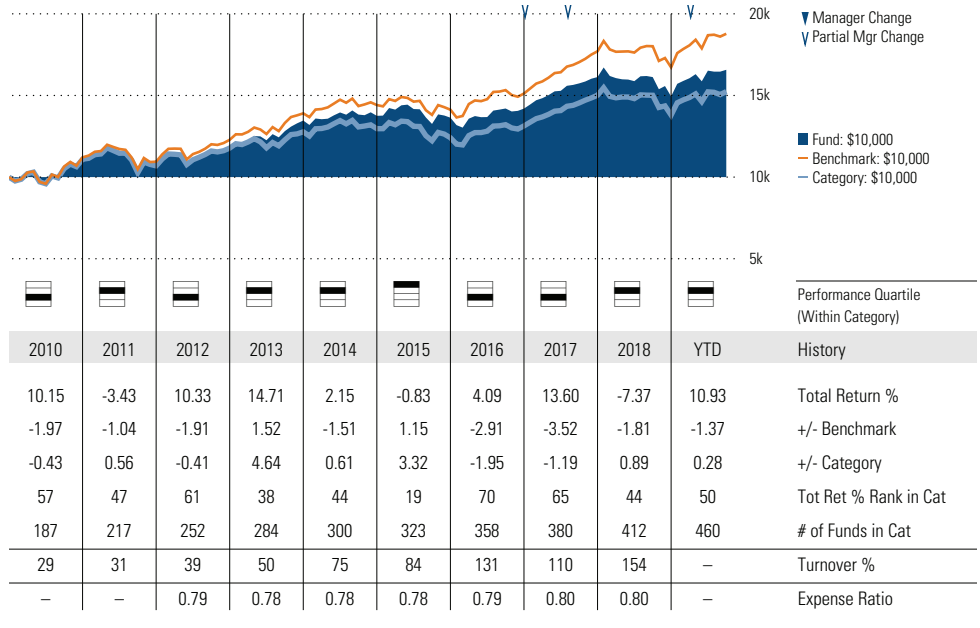
## Quantitative Screens

- 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 15.76 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.

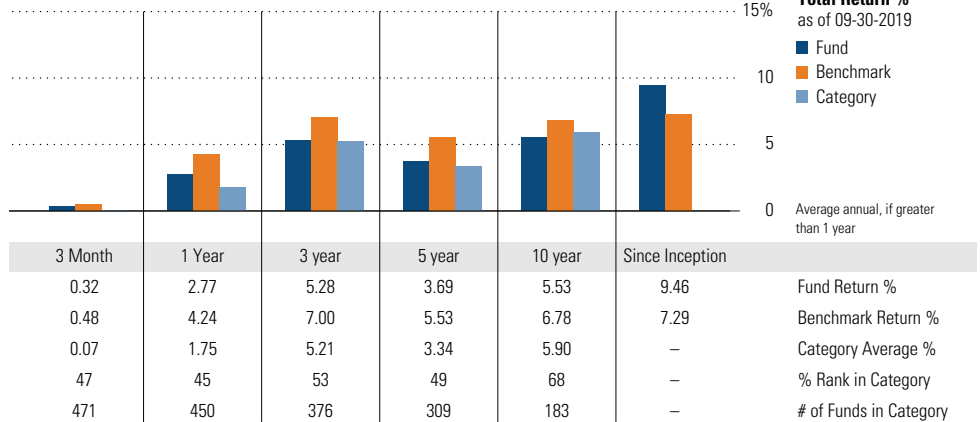
## Morningstar Investment Management LLC Analysis

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.

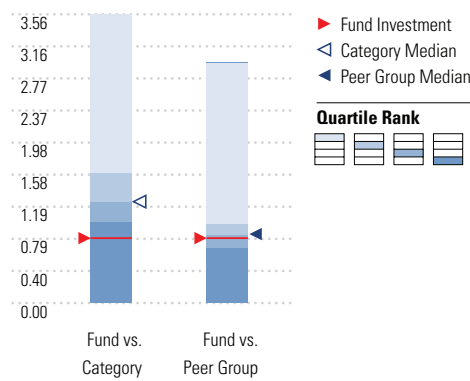
## Growth of \$10,000



## 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              | -1.35 | -     | -1.83  |
| Beta               | 0.96  | -     | 1.02   |
| R-Squared          | 96.78 | -     | 86.55  |
| Standard Deviation | 6.86  | 7.04  | 7.74   |
| Sharpe Ratio       | 0.55  | 0.77  | 0.49   |
| Tracking Error     | 1.26  | -     | 2.88   |
| Information Ratio  | -1.36 | -     | -0.72  |
| Up Capture Ratio   | 84.41 | -     | 90.00  |
| Down Capture Ratio | 93.69 | -     | 107.10 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 18.70 | 17.30 | 15.96 |
| Price/Book Ratio     | 2.26  | 2.08  | 1.79  |
| Avg Eff Duration     | 5.97  | 7.26  | 5.97  |

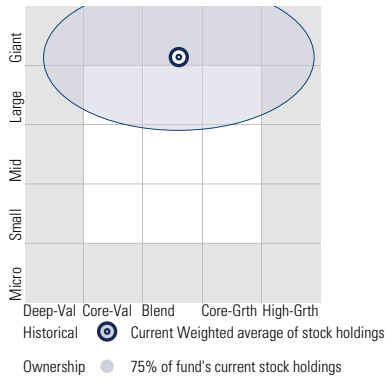
# BlackRock Global Allocation Instl MALOX

**Morningstar Category**  
World Allocation

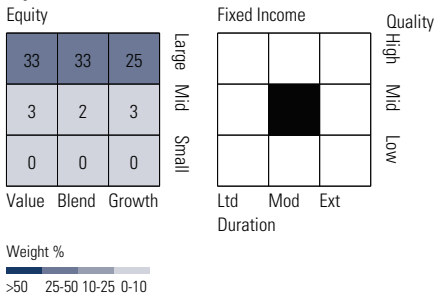
**Morningstar Index**  
Morningstar Gbl Allocation TR USD

## Style Analysis as of 09-30-2019

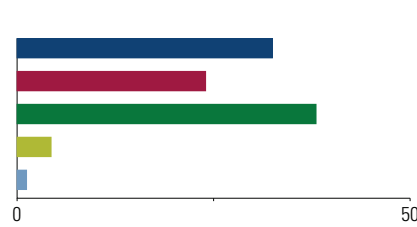
Morningstar Style Box™



## Style Breakdown

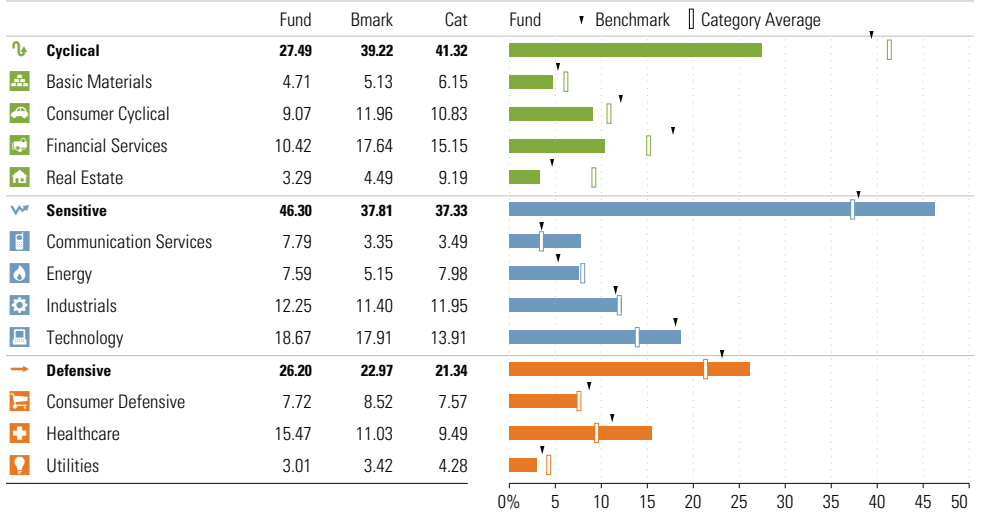


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 32.48         | 28.89         |
| Non-US Stocks | 23.98         | 26.04         |
| Bonds         | 38.03         | 28.45         |
| Cash          | 4.32          | 9.46          |
| Other         | 1.20          | 7.16          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## Top 10 Holdings as of 09-30-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|---------------|-------------|--------------|--------------|--------------------|
| ⊕ United States Treasury Notes 2.38%    | 05-2029       | 8.79        | 8.79         | -            | -                  |
| ⊕ United States Treasury Notes 1.75%    | 07-2024       | 2.95        | 11.74        | -            | -                  |
| ⊕ United States Treasury Bills          | 11-2019       | 2.55        | 14.29        | -            | -                  |
| ⊕ United States Treasury Notes 0.5%     | 04-2024       | 2.50        | 16.78        | -            | -                  |
| ⊖ United States Treasury Notes 2.62%    | 01-2026       | 2.24        | 19.03        | -            | -                  |
| ⊕ Alphabet Inc Class C                  | -             | 1.71        | 20.74        | 17.71        | Technology         |
| ⊕ Microsoft Corp                        | -             | 1.70        | 22.44        | 38.24        | Technology         |
| ⊕ Japan (Government Of) #831 08/13/2019 | 08-2019       | 1.52        | 23.96        | -            | -                  |
| ⊖ Apple Inc                             | -             | 1.33        | 25.29        | 43.43        | Technology         |
| ⊕ United States Treasury Notes 1.88%    | 06-2026       | 1.16        | 26.44        | -            | -                  |

## Total Holdings 920

⊕ 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.

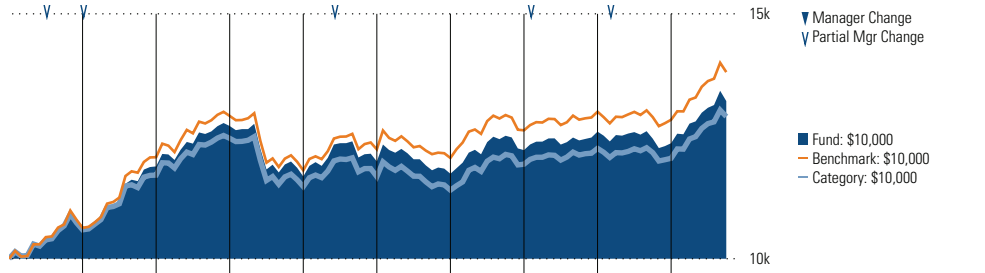
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.5 is 33.33% lower than the Inflation-Protected Bond category average.

## Morningstar Investment Management LLC Analysis

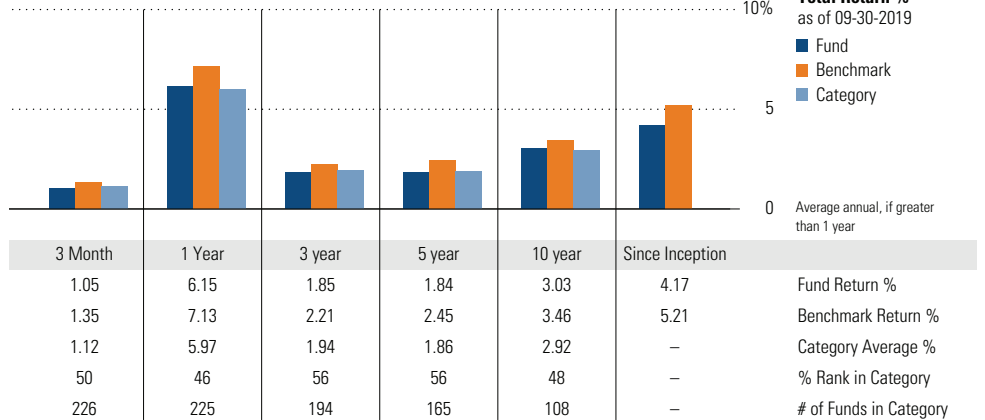
This fund went on watch earlier this year after portfolio manager Martin Hegarty left the firm. His departure followed other turnover on the team in 2017. However, we maintain confidence in the fund due to its solid process and talented underlying resources. Under current portfolio managers David Rogal 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

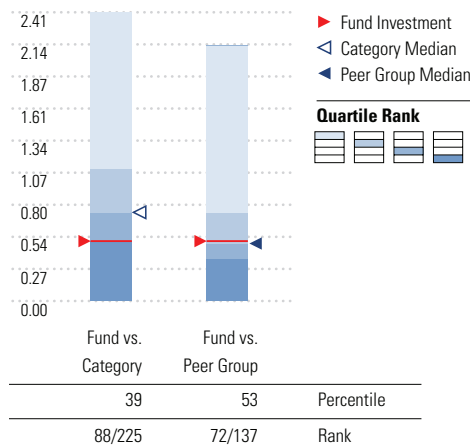


| 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017 | 2018  | YTD   | Performance Quartile (Within Category) |
|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|--|
| 6.23  | 11.88 | 6.94  | -8.11 | 2.63  | -2.10 | 4.11  | 3.09 | -1.88 | 6.96  | History                                |
| -0.08 | -1.68 | -0.04 | 0.50  | -1.01 | -0.66 | -0.57 | 0.08 | -0.62 | -0.62 | Total Return %                         |
| 0.29  | 0.95  | 0.49  | -0.26 | 0.83  | 0.26  | -0.48 | 0.37 | -0.24 | -0.04 | +/- Benchmark                          |
| 36    | 51    | 22    | 28    | 39    | 45    | 56    | 31   | 65    | 56    | +/- Category                           |
| 108   | 131   | 140   | 154   | 160   | 167   | 189   | 198  | 213   | 226   | Tot Ret % Rank in Cat                  |
| 213   | 131   | 120   | 86    | 66    | 61    | 7     | 76   | 176   | -     | # of Funds in Cat                      |
| -     | -     | 0.43  | 0.44  | 0.44  | 0.44  | 0.36  | 0.40 | 0.50  | -     | 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              | -0.28  | -     | 0.08  |
| Beta               | 0.97   | -     | 0.76  |
| R-Squared          | 98.15  | -     | 82.74 |
| Standard Deviation | 3.20   | 3.28  | 2.86  |
| Sharpe Ratio       | 0.09   | 0.20  | 0.04  |
| Tracking Error     | 0.45   | -     | 1.46  |
| Information Ratio  | -0.80  | -     | -0.63 |
| Up Capture Ratio   | 93.83  | -     | 76.67 |
| Down Capture Ratio | 100.13 | -     | 74.77 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 7.74 | 4.52  | 7.65 |
| Avg Eff Maturity | 9.33 | -     | 8.87 |

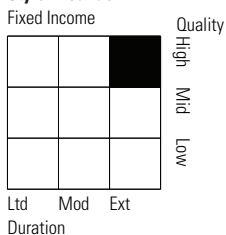
# BlackRock Inflation Protected Bond Instl BPRIX

**Morningstar Category**  
Inflation-Protected Bond

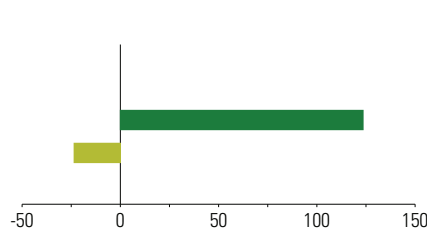
**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

## Style Analysis as of 09-30-2019

### Style Breakdown



## Asset Allocation as of 09-30-2019

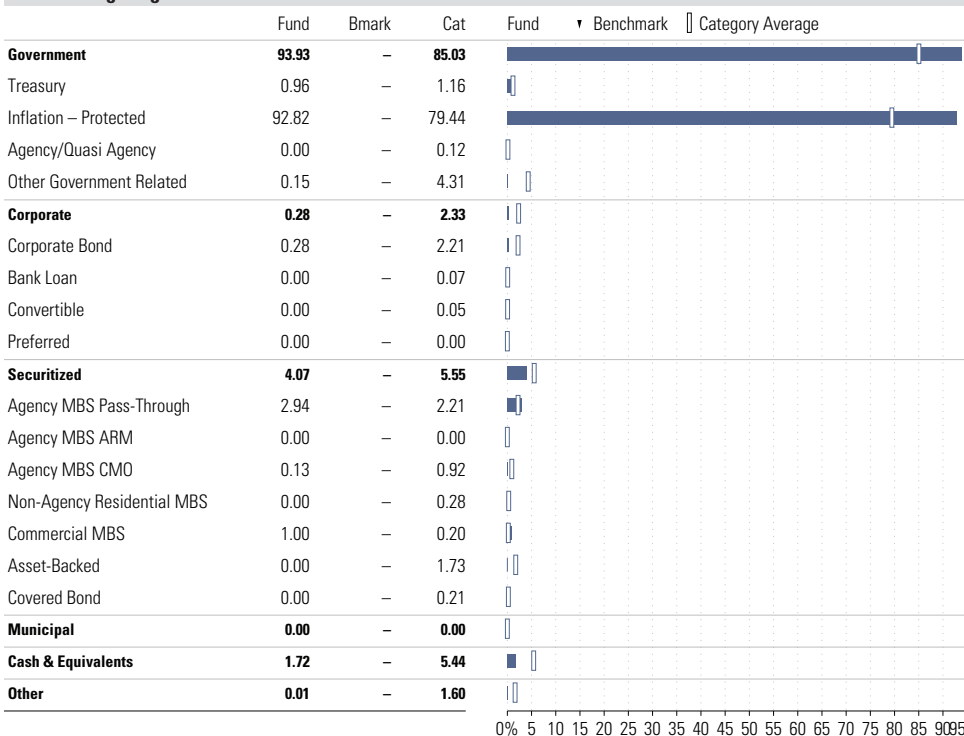


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | 0.01          |
| Non-US Stocks | 0.00          | 0.01          |
| Bonds         | 123.53        | 97.96         |
| Cash          | -23.53        | 1.81          |
| Other         | 0.00          | 0.21          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

### Credit Rating Breakdown

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 97.23 | 0.00  | 84.12 |
| AA        | 0.00  | 99.60 | 10.37 |
| A         | 0.24  | 0.00  | 0.00  |
| BBB       | 2.24  | 0.00  | 5.26  |
| BB        | 0.33  | 0.00  | 0.00  |
| B         | 0.00  | 0.00  | 0.00  |
| Below B   | 0.00  | 0.00  | 0.00  |
| Not Rated | -0.04 | 0.40  | 0.25  |

## Sector Weighting as of 09-30-2019



## Top 10 Holdings as of 09-30-2019

| Name                                 | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--------------------------------------|---------------|-------------|--------------|---------------------|
| ⊕ Rrp Treasury (Cpi) Note            | -             | 19.97       | 19.97        | -                   |
| ⊕ United States Treasury Notes 0.5%  | 04-2024       | 19.24       | 39.21        | -                   |
| ⊖ United States Treasury Notes 0.62% | 04-2023       | 5.79        | 45.00        | -                   |
| ⊖ Usd Cash(Committed)                | -             | 5.52        | 50.52        | -                   |
| ⊖ United States Treasury Notes 0.12% | 04-2021       | 3.85        | 54.38        | -                   |
| ⊖ United States Treasury Notes 0.12% | 04-2022       | 3.76        | 58.14        | -                   |
| ⊖ United States Treasury Notes 0.62% | 01-2024       | 3.75        | 61.88        | -                   |
| ⊖ United States Treasury Notes 0.38% | 07-2023       | 3.72        | 65.60        | -                   |
| ⊖ United States Treasury Notes 0.12% | 01-2023       | 3.69        | 69.29        | -                   |
| ⊖ United States Treasury Notes 0.12% | 07-2022       | 3.69        | 72.98        | -                   |

**Total Holdings 156**

⊕ 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 22.24 years.

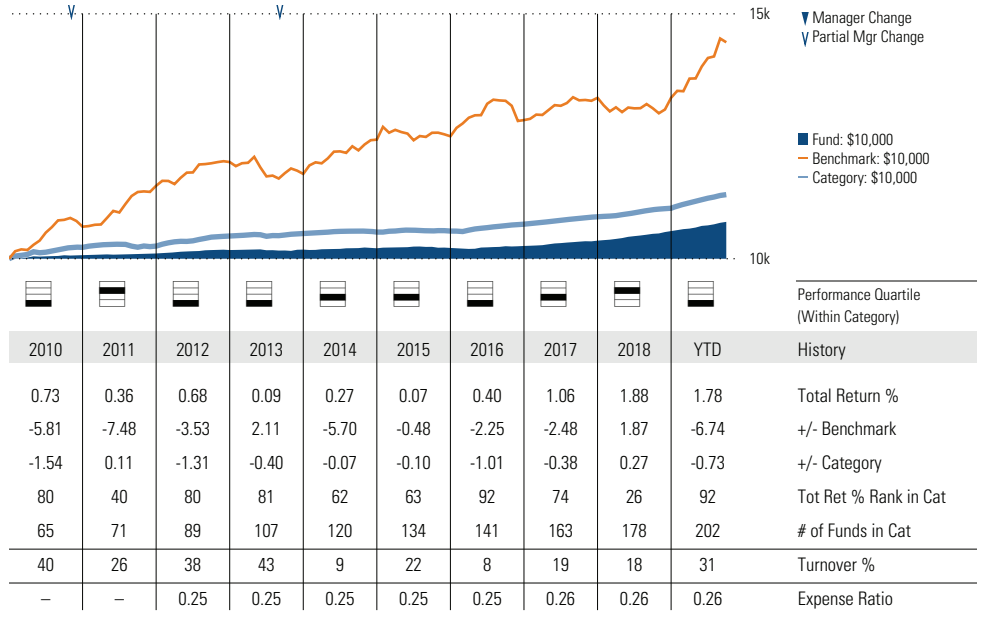
Style Consistency is not calculated for Fixed Income funds.

✔ **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.

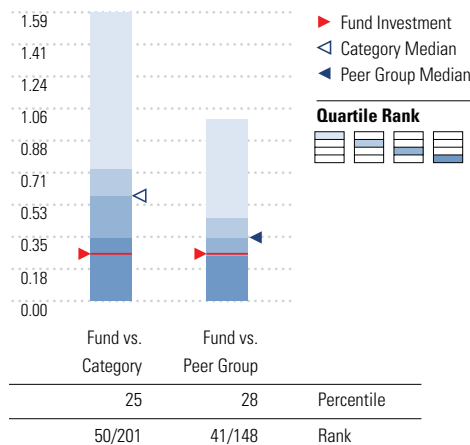
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

| Metric             | Fund   | Bmark | Cat    |
|--------------------|--------|-------|--------|
| Alpha              | 1.46   | -     | 1.78   |
| Beta               | 0.04   | -     | 0.04   |
| R-Squared          | 25.62  | -     | 22.18  |
| Standard Deviation | 0.28   | 3.35  | 0.43   |
| Sharpe Ratio       | -0.12  | 0.41  | 0.72   |
| Tracking Error     | 3.21   | -     | 3.22   |
| Information Ratio  | -0.42  | -     | -0.31  |
| Up Capture Ratio   | 19.49  | -     | 22.90  |
| Down Capture Ratio | -14.57 | -     | -18.90 |

## Portfolio Metrics

| Metric           | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 0.40 | 4.43  | 0.95 |
| Avg Eff Maturity | 2.94 | -     | 1.94 |

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

# Federated Government Ultrashrt Dur Instl FGUSX

**Morningstar Category**  
Ultrashort Bond

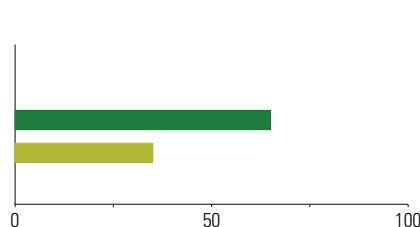
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 09-30-2019

### Style Breakdown



## Asset Allocation as of 09-30-2019

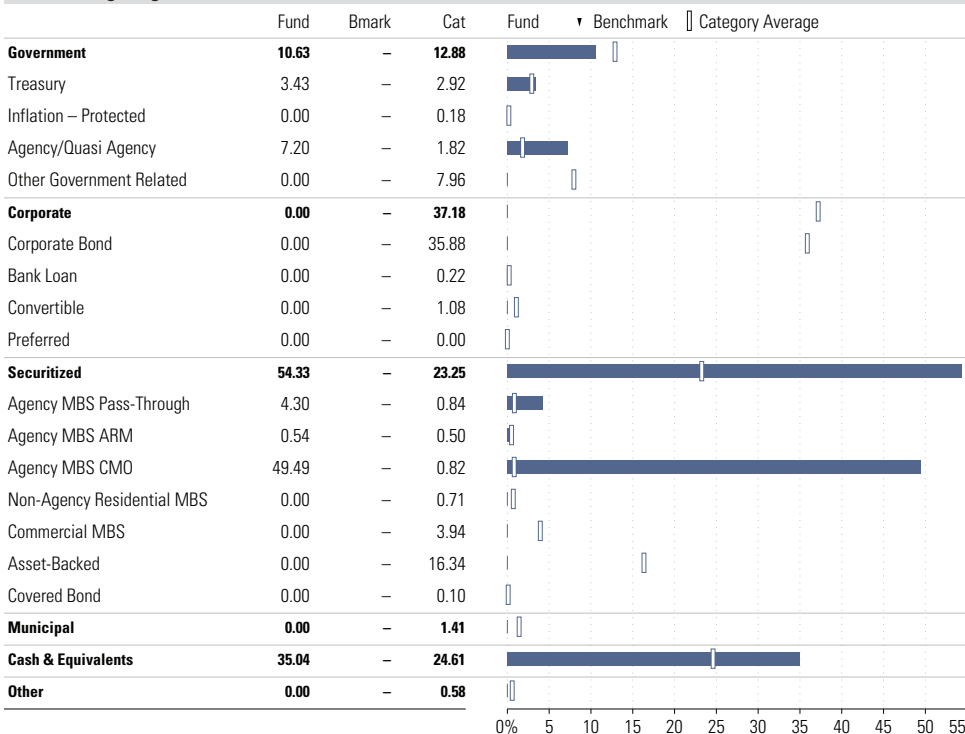


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | 0.01          |
| Non-US Stocks | 0.00          | 0.00          |
| Bonds         | 64.96         | 77.26         |
| Cash          | 35.04         | 21.04         |
| Other         | 0.00          | 1.69          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

### Credit Rating Breakdown

|           | Fund   | Bmark | Cat   |
|-----------|--------|-------|-------|
| AAA       | 100.00 | 3.53  | 34.16 |
| AA        | 0.00   | 74.59 | 12.79 |
| A         | 0.00   | 10.82 | 26.67 |
| BBB       | 0.00   | 8.32  | 20.77 |
| BB        | 0.00   | 0.28  | 1.54  |
| B         | 0.00   | 0.00  | 0.42  |
| Below B   | 0.00   | 0.00  | 0.32  |
| Not Rated | 0.00   | 2.46  | 3.32  |

## Sector Weighting as of 09-30-2019



## Top 10 Holdings as of 09-30-2019

| Name   | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--|---------------|-------------|--------------|---------------------|
| ⊕ Bmcap Repo 5 Repo                              | 07-2019       | 22.81       | 22.81        | -                   |
| ⊕ Bofam Repo 1 Repo                              | 07-2019       | 10.77       | 33.58        | -                   |
| ⊖ Government National Mortgage Association 2.78% | 01-2049       | 4.08        | 37.67        | -                   |
| ⊖ Government National Mortgage Association 2.83% | 01-2049       | 3.31        | 40.97        | -                   |
| ⊖ Government National Mortgage Association 0.82% | 02-2065       | 3.00        | 43.97        | -                   |
| ⊖ Government National Mortgage Association 0.82% | 01-2065       | 2.93        | 46.90        | -                   |
| ⊖ Government National Mortgage Association 2.78% | 09-2046       | 2.52        | 49.42        | -                   |
| ⊖ Government National Mortgage Association 0.59% | 09-2062       | 2.49        | 51.91        | -                   |
| ⊖ Government National Mortgage Association 0.74% | 06-2062       | 2.31        | 54.21        | -                   |
| ⊖ Government National Mortgage Association 2.78% | 10-2046       | 2.08        | 56.29        | -                   |

**Total Holdings 199**

⊕ 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 14.09 years.

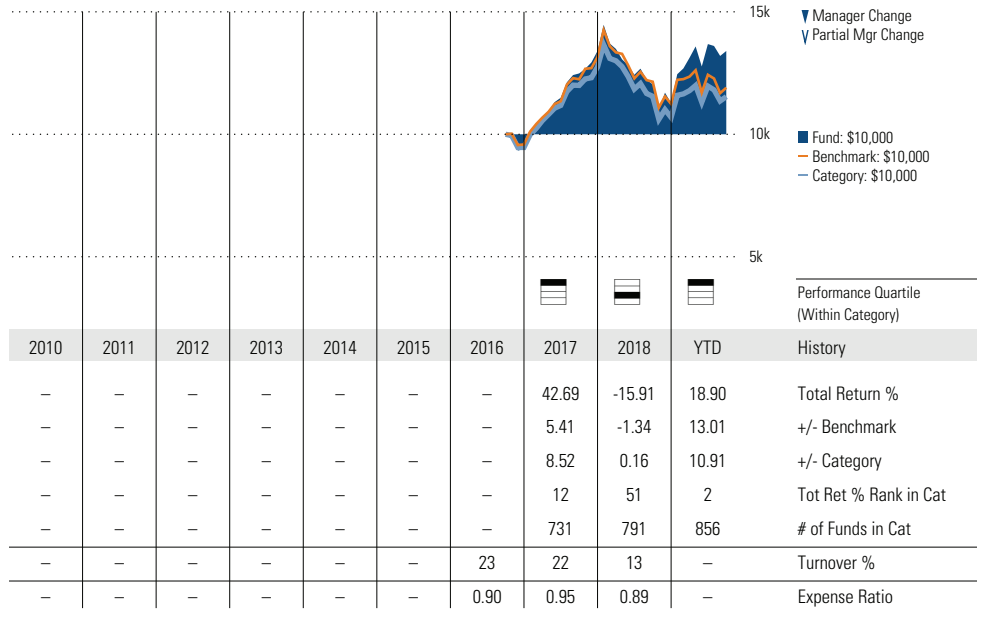
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.89 is 31.01% lower than the Diversified Emerging Mkts category average.

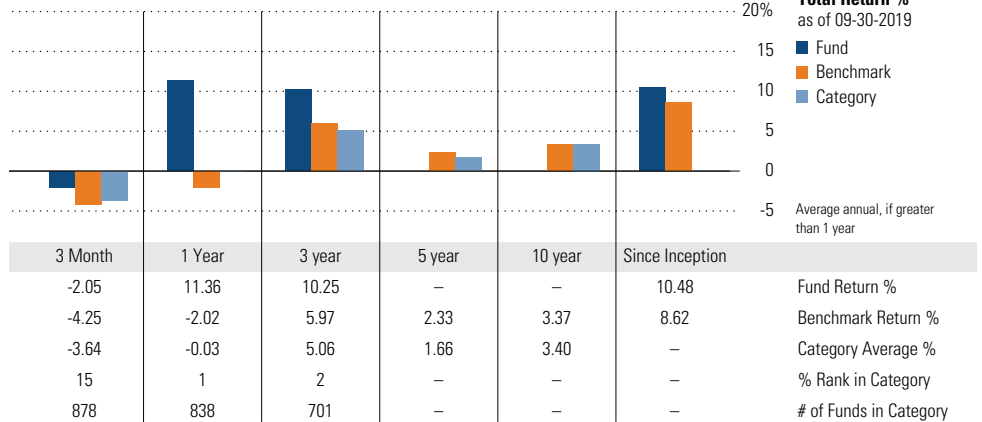
## Morningstar Investment Management LLC Analysis

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              | 4.03   | -     | -0.25 |
| Beta               | 1.01   | -     | 0.92  |
| R-Squared          | 91.61  | -     | 87.64 |
| Standard Deviation | 14.78  | 14.04 | 13.77 |
| Sharpe Ratio       | 0.63   | 0.37  | 0.31  |
| Tracking Error     | 4.28   | -     | 4.83  |
| Information Ratio  | 1.00   | -     | -0.18 |
| Up Capture Ratio   | 117.68 | -     | 92.55 |
| Down Capture Ratio | 99.26  | -     | 94.88 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 20.17 | 12.83 | 13.52 |
| Price/Book Ratio     | 3.59  | 1.54  | 1.92  |
| Geom Avg Mkt Cap \$B | 48.53 | 29.91 | 32.68 |
| ROE                  | 20.64 | 16.19 | 18.42 |

# JPMorgan Emerging Markets Equity R5 JEMOX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 09-30-2019

Morningstar Style Box™

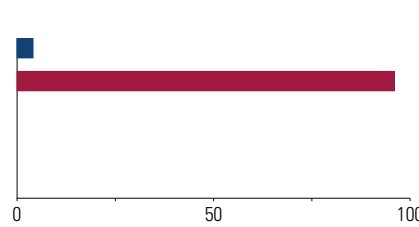


## Style Breakdown

| Equity |       |        |       |
|--------|-------|--------|-------|
| 9      | 23    | 52     | Large |
| 2      | 5     | 7      | Mid   |
| 0      | 0     | 0      | Small |
| Value  | Blend | Growth |       |



## Asset Allocation as of 09-30-2019

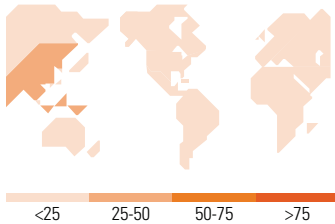


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 4.05          | 2.32          |
| Non-US Stocks | 95.95         | 95.27         |
| Bonds         | 0.00          | 0.46          |
| Cash          | 0.00          | 1.63          |
| Other         | 0.00          | 0.31          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>54.57</b> | <b>46.93</b> | <b>46.72</b> |      |           |                  |
| Basic Materials        | 0.75         | 7.69         | 5.48         |      |           |                  |
| Consumer Cyclical      | 15.28        | 11.59        | 12.95        |      |           |                  |
| Financial Services     | 38.54        | 24.70        | 25.77        |      |           |                  |
| Real Estate            | 0.00         | 2.95         | 2.52         |      |           |                  |
| <b>Sensitive</b>       | <b>25.34</b> | <b>40.65</b> | <b>38.20</b> |      |           |                  |
| Communication Services | 0.00         | 4.74         | 3.57         |      |           |                  |
| Energy                 | 0.33         | 7.42         | 5.97         |      |           |                  |
| Industrials            | 3.30         | 4.96         | 5.04         |      |           |                  |
| Technology             | 21.71        | 23.53        | 23.62        |      |           |                  |
| <b>Defensive</b>       | <b>20.10</b> | <b>12.41</b> | <b>15.06</b> |      |           |                  |
| Consumer Defensive     | 18.23        | 7.27         | 10.21        |      |           |                  |
| Healthcare             | 1.28         | 2.48         | 2.95         |      |           |                  |
| Utilities              | 0.59         | 2.66         | 1.90         |      |           |                  |

## World Regions % Equity 09-30-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Market Maturity   | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 71.16  | 68.54 | Americas      | 16.69  | 15.61 | Greater Europe | 12.15  | 15.84 | Developed Markets | 28.24  |
| Japan            | 0.00   | 0.11  | North America | 4.05   | 1.60  | United Kingdom | 0.00   | 0.91  | Emerging Markets  | 71.76  |
| Australasia      | 0.00   | 0.01  | Central/Latin | 12.64  | 14.01 | W euro-ex UK   | 1.83   | 2.13  | Not Available     | 0.00   |
| Asia-4 Tigers    | 22.36  | 22.46 |               |        |       | Emrgng Europe  | 5.35   | 6.36  |                   |        |
| Asia-ex 4 Tigers | 48.80  | 45.96 |               |        |       | Africa         | 4.97   | 6.44  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 09-30-2019

| Name   | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|-------------|--------------|--------------|--------------------|
| Alibaba Group Holding Ltd ADR                      | 5.29        | 5.29         | 22.00        | Consumer Cyclical  |
| Taiwan Semiconductor Manufacturing Co Ltd ADR      | 5.08        | 10.37        | 30.25        | Technology         |
| Tencent Holdings Ltd                               | 4.60        | 14.97        | 5.48         | Technology         |
| AIA Group Ltd                                      | 4.52        | 19.49        | 15.89        | Financial Services |
| Housing Development Finance Corp Ltd               | 4.14        | 23.63        | 1.51         | Financial Services |
| Samsung Electronics Co Ltd                         | 3.66        | 27.29        | -            | Technology         |
| Sberbank of Russia PJSC                            | 3.28        | 30.57        | -            | Financial Services |
| HDFC Bank Ltd                                      | 2.89        | 33.47        | 16.65        | Financial Services |
| Ping An Insurance (Group) Co. of China Ltd Class H | 2.83        | 36.30        | 33.29        | Financial Services |
| Techtronic Industries Co Ltd                       | 2.01        | 38.31        | 33.41        | Industrials        |

**Total Holdings 63**

⊕ 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 12.51 years.

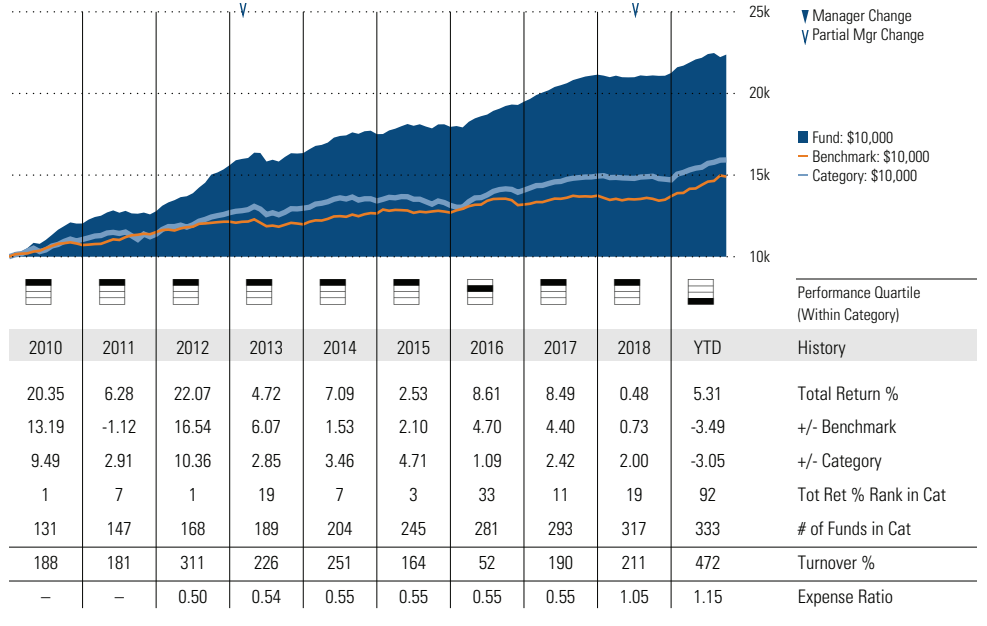
Style Consistency is not calculated for Fixed Income funds.

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

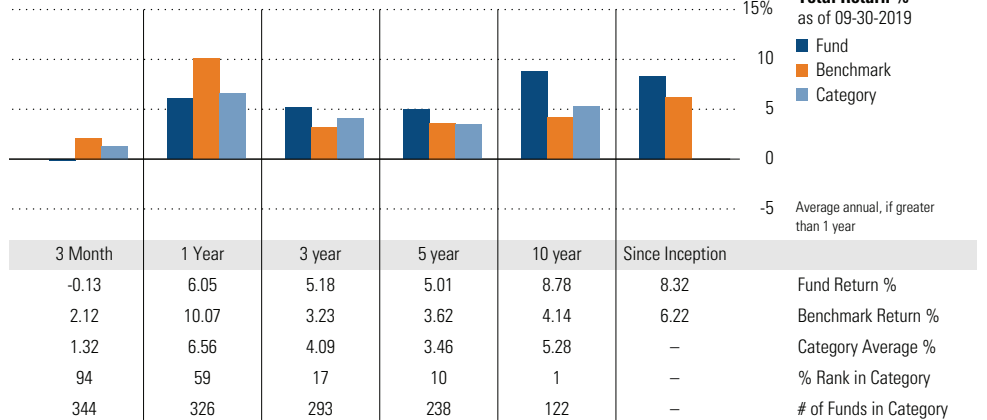
## Morningstar Investment Management LLC Analysis

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.

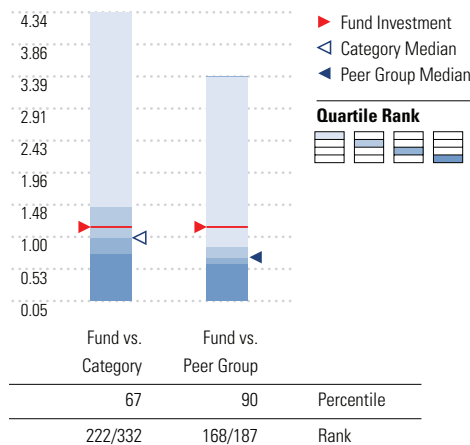
## Growth of \$10,000



## 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              | 4.42   | -     | 2.50  |
| Beta               | 0.21   | -     | 0.50  |
| R-Squared          | 11.11  | -     | 32.11 |
| Standard Deviation | 1.90   | 3.09  | 3.00  |
| Sharpe Ratio       | 1.79   | 0.54  | 0.93  |
| Tracking Error     | 3.04   | -     | 2.99  |
| Information Ratio  | 0.64   | -     | 0.31  |
| Up Capture Ratio   | 74.98  | -     | 82.75 |
| Down Capture Ratio | -24.97 | -     | 29.96 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 0.44 | 4.55  | 3.99 |
| Avg Eff Maturity | 3.30 | 7.69  | 6.39 |

# PIMCO Income I2 PONPX

**Morningstar Category**  
Multisector Bond

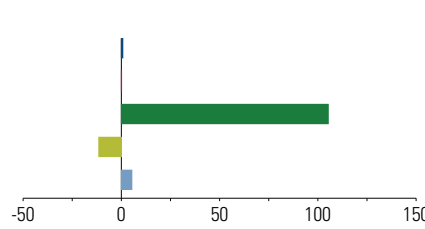
**Morningstar Index**  
BBgBarc US Universal TR USD

## Style Analysis as of 09-30-2019

### Style Breakdown



## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.74          | 1.35          |
| Non-US Stocks | 0.11          | 0.40          |
| Bonds         | 105.30        | 88.12         |
| Cash          | -11.48        | 6.96          |
| Other         | 5.33          | 3.17          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

### Credit Rating Breakdown

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 56.00 | 67.64 | 15.27 |
| AA        | 7.00  | 3.23  | 10.34 |
| A         | 4.00  | 10.03 | 13.36 |
| BBB       | 14.00 | 10.89 | 20.77 |
| BB        | 6.00  | 3.19  | 19.62 |
| B         | 7.00  | 3.64  | 12.71 |
| Below B   | 6.00  | 1.38  | 2.29  |
| Not Rated | 0.00  | 0.00  | 5.64  |

## Sector Weighting as of 09-30-2019

|                               | Fund         | Bmark | Cat          | Fund | Benchmark | Category Average |
|-------------------------------|--------------|-------|--------------|------|-----------|------------------|
| <b>Government</b>             | <b>26.45</b> | -     | <b>14.56</b> |      |           |                  |
| Treasury                      | 4.53         | -     | 9.30         |      |           |                  |
| Inflation - Protected         | 0.70         | -     | 1.53         |      |           |                  |
| Agency/Quasi Agency           | 0.16         | -     | 0.89         |      |           |                  |
| Other Government Related      | 21.06        | -     | 2.84         |      |           |                  |
| <b>Corporate</b>              | <b>8.05</b>  | -     | <b>29.04</b> |      |           |                  |
| Corporate Bond                | 5.21         | -     | 24.92        |      |           |                  |
| Bank Loan                     | 1.32         | -     | 2.09         |      |           |                  |
| Convertible                   | 1.51         | -     | 1.64         |      |           |                  |
| Preferred                     | 0.01         | -     | 0.39         |      |           |                  |
| <b>Securitized</b>            | <b>25.81</b> | -     | <b>30.54</b> |      |           |                  |
| Agency MBS Pass-Through       | 11.44        | -     | 8.18         |      |           |                  |
| Agency MBS ARM                | 0.00         | -     | 0.03         |      |           |                  |
| Agency MBS CMO                | 0.66         | -     | 5.18         |      |           |                  |
| Non-Agency Residential MBS    | 3.85         | -     | 5.43         |      |           |                  |
| Commercial MBS                | 0.36         | -     | 1.35         |      |           |                  |
| Asset-Backed                  | 9.49         | -     | 10.32        |      |           |                  |
| Covered Bond                  | 0.01         | -     | 0.05         |      |           |                  |
| <b>Municipal</b>              | <b>0.05</b>  | -     | <b>0.79</b>  |      |           |                  |
| <b>Cash &amp; Equivalents</b> | <b>24.39</b> | -     | <b>23.85</b> |      |           |                  |
| <b>Other</b>                  | <b>13.42</b> | -     | <b>0.79</b>  |      |           |                  |

## Top 10 Holdings as of 09-30-2019

| Name                                    | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|---|---------------|-------------|--------------|---------------------|
| ⊕ Irs Usd 3.00000 06/19/19-5y Cme       | 06-2024       | 14.34       | 14.34        | -                   |
| Irs Jpy 0.45000 03/20/19-10y Lch        | 03-2029       | 14.26       | 28.60        | -                   |
| ⊕ Irs Jpy 0.45000 03/20/19-10y Lch      | 03-2029       | 13.67       | 42.26        | -                   |
| ⊕ Irs Usd 3.00000 06/19/19-5y Cme       | 06-2024       | 13.54       | 55.80        | -                   |
| Irs Eur 0.00000 08/19/19-2y Lch         | 08-2021       | 13.10       | 68.90        | -                   |
| ⊕ Irs Eur 0.00000 08/19/19-2y Lch       | 08-2021       | 13.00       | 81.90        | -                   |
| ⊕ US 5 Year Note (CBT) Sept19           | 09-2019       | 9.56        | 91.46        | -                   |
| Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub | 07-2022       | 7.92        | 99.38        | -                   |
| Cirs Usd 4y Mat 3.82/2.00% M 7/2020 Glm | 07-2022       | 7.92        | 107.30       | -                   |
| Cirs Usd 4y Mat 3.82/2.00% M 6/2020 Myc | 06-2022       | 7.91        | 115.21       | -                   |

**Total Holdings 7621**

⊕ 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 3.43 years.

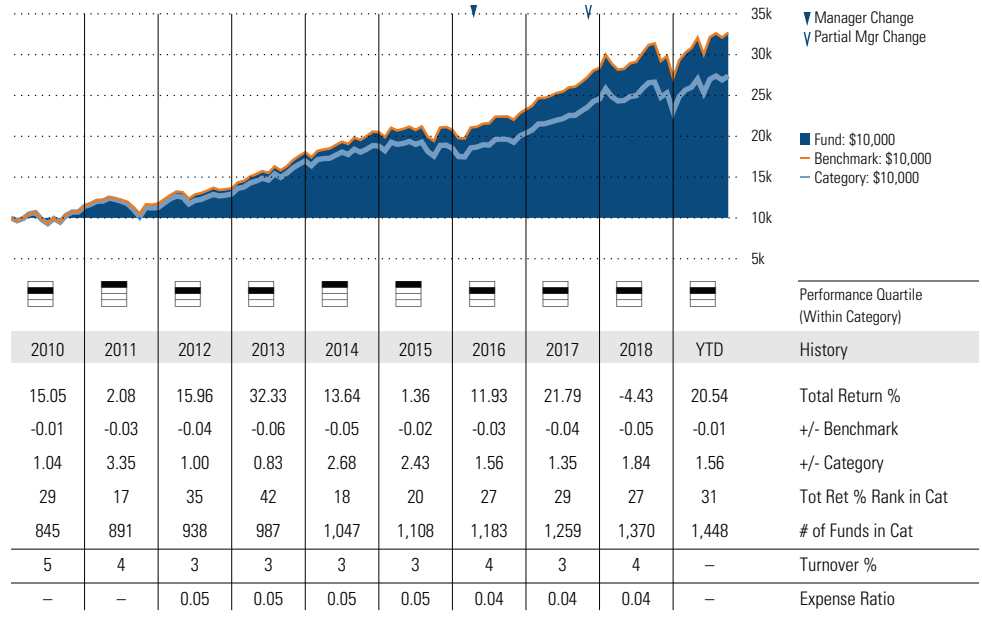
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.04 is 95.6% lower than the Large Blend category average.

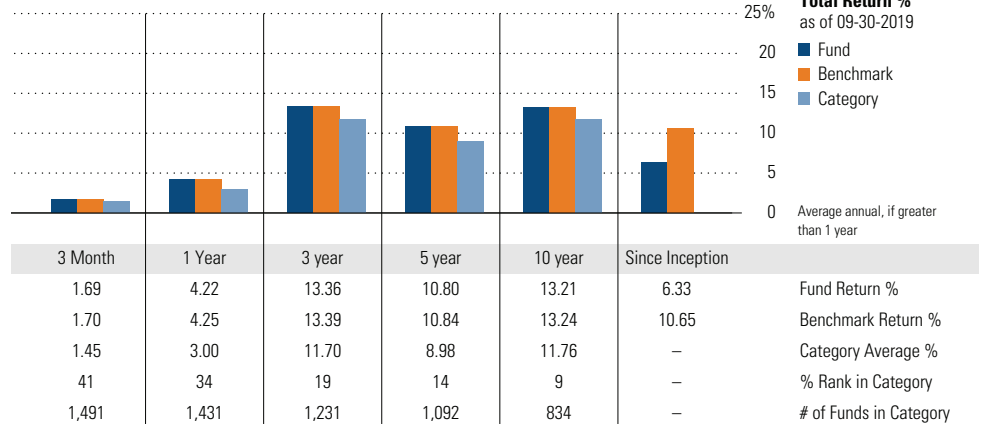
## Morningstar Investment Management LLC Analysis

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.

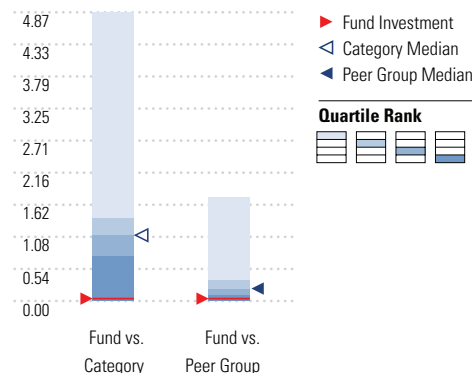
## Growth of \$10,000



## 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

| Metric             | Fund   | Bmark | Cat   |
|--------------------|--------|-------|-------|
| Alpha              | -0.03  | -     | -1.24 |
| Beta               | 1.00   | -     | 0.96  |
| R-Squared          | 100.00 | -     | 93.99 |
| Standard Deviation | 12.18  | 12.18 | 12.01 |
| Sharpe Ratio       | 0.96   | 0.96  | 0.84  |
| Tracking Error     | 0.01   | -     | 2.98  |
| Information Ratio  | -4.03  | -     | -1.29 |
| Up Capture Ratio   | 99.88  | -     | 91.29 |
| Down Capture Ratio | 100.05 | -     | 97.85 |

## Portfolio Metrics

| Metric               | Fund   | Bmark  | Cat    |
|----------------------|--------|--------|--------|
| Price/Earnings Ratio | 20.32  | 20.32  | 20.89  |
| Price/Book Ratio     | 3.18   | 3.18   | 3.47   |
| Geom Avg Mkt Cap \$B | 111.22 | 111.20 | 178.81 |
| ROE                  | 26.31  | 26.31  | 28.46  |

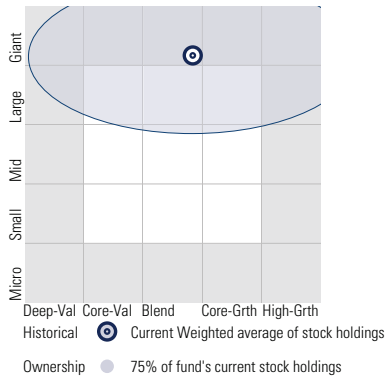
# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

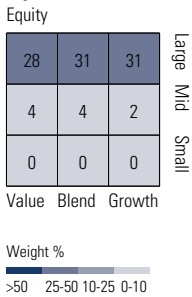
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 09-30-2019

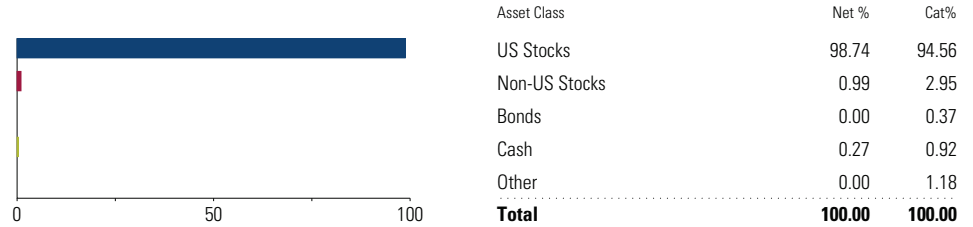
Morningstar Style Box™



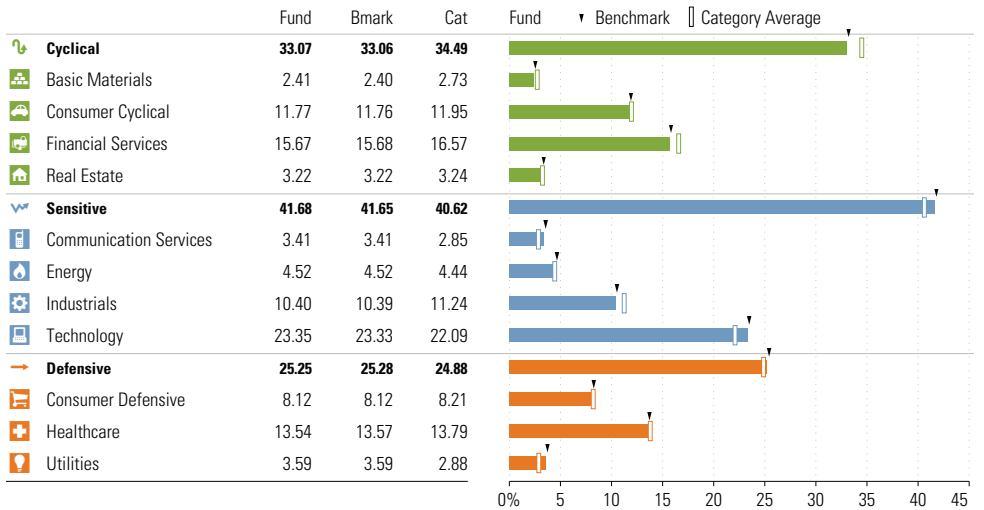
## Style Breakdown



## Asset Allocation as of 09-30-2019



## Sector Weighting as of 09-30-2019



## Top 15 Holdings as of 09-30-2019

| Name                       | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|----------------------------|-------------|--------------|--------------|--------------------|
| Microsoft Corp             | 4.29        | 4.29         | 38.24        | Technology         |
| Apple Inc                  | 3.84        | 8.13         | 43.43        | Technology         |
| Amazon.com Inc             | 2.91        | 11.04        | 15.58        | Consumer Cyclical  |
| Facebook Inc A             | 1.73        | 12.77        | 35.85        | Technology         |
| Berkshire Hathaway Inc B   | 1.60        | 14.37        | 1.88         | Financial Services |
| JPMorgan Chase & Co        | 1.52        | 15.89        | 23.02        | Financial Services |
| Alphabet Inc Class C       | 1.49        | 17.38        | 17.71        | Technology         |
| Alphabet Inc A             | 1.47        | 18.85        | 16.86        | Technology         |
| Johnson & Johnson          | 1.38        | 20.23        | 2.43         | Healthcare         |
| Procter & Gamble Co        | 1.26        | 21.49        | 37.72        | Consumer Defensive |
| Exxon Mobil Corp           | 1.21        | 22.70        | 7.30         | Energy             |
| Visa Inc Class A           | 1.20        | 23.90        | 30.94        | Financial Services |
| AT&T Inc                   | 1.12        | 25.01        | 37.95        | Communication Svc  |
| The Home Depot Inc         | 1.03        | 26.04        | 37.41        | Consumer Cyclical  |
| Verizon Communications Inc | 1.01        | 27.05        | 10.58        | Communication Svc  |

**Total Holdings 516**

⊕ 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 6.61 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 92.93% 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  | -     | -0.78 |
| Beta               | 0.99  | -     | 0.98  |
| R-Squared          | 97.28 | -     | 92.53 |
| Standard Deviation | 11.44 | 11.45 | 11.70 |
| Sharpe Ratio       | 0.45  | 0.45  | 0.37  |
| Tracking Error     | 1.89  | -     | 3.17  |
| Information Ratio  | -0.03 | -     | -0.32 |
| Up Capture Ratio   | 97.83 | -     | 94.57 |
| Down Capture Ratio | 97.30 | -     | 99.17 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 15.17 | 14.87 | 15.67 |
| Price/Book Ratio     | 1.49  | 1.57  | 1.66  |
| Geom Avg Mkt Cap \$B | 23.21 | 33.84 | 39.13 |
| ROE                  | 15.27 | 16.14 | 17.80 |

# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

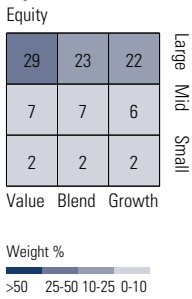
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 09-30-2019

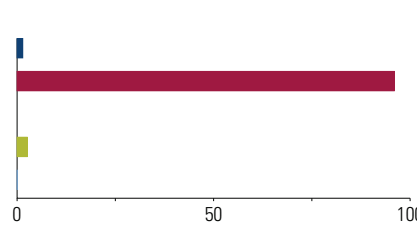
Morningstar Style Box™



## Style Breakdown

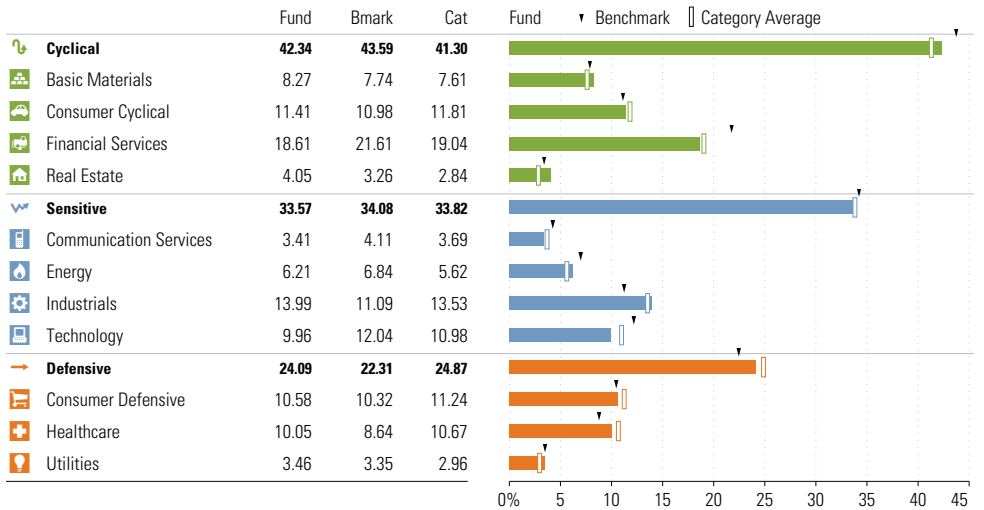


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 1.43          | 3.97          |
| Non-US Stocks | 95.96         | 93.13         |
| Bonds         | 0.00          | -0.32         |
| Cash          | 2.56          | 2.53          |
| Other         | 0.06          | 0.69          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## World Regions % Equity 09-30-2019



| Region           | Fund % | Cat % | Region        | Fund % | Cat % | Region         | Fund % | Cat % | Market Maturity   | Fund % |
|------------------|--------|-------|---------------|--------|-------|----------------|--------|-------|-------------------|--------|
| Greater Asia     | 36.69  | 36.43 | Americas      | 10.36  | 8.45  | Greater Europe | 52.96  | 55.12 | Developed Markets | 98.69  |
| Japan            | 22.29  | 19.66 | North America | 10.33  | 7.36  | United Kingdom | 13.89  | 14.36 | Emerging Markets  | 1.31   |
| Australasia      | 6.17   | 4.98  | Central/Latin | 0.03   | 1.09  | W euro-ex UK   | 37.86  | 39.52 | Not Available     | 0.00   |
| Asia-4 Tigers    | 7.68   | 6.53  |               |        |       | Emrgng Europe  | 0.72   | 0.44  |                   |        |
| Asia-ex 4 Tigers | 0.55   | 5.26  |               |        |       | Africa         | 0.49   | 0.80  |                   |        |
| Not Classified   | 0.00   | 0.00  |               |        |       |                |        |       |                   |        |

## Top 10 Holdings as of 09-30-2019

| Name                                    | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|---|-------------|--------------|--------------|--------------------|
| ⊕ Cmt Market Liquidity Rate             | 2.46        | 2.46         | -            | -                  |
| ⊖ Nestle SA                             | 1.68        | 4.14         | 38.76        | Consumer Defensive |
| ⊕ Roche Holding AG Dividend Right Cert. | 1.08        | 5.22         | 22.90        | Healthcare         |
| ⊖ Novartis AG                           | 1.00        | 6.22         | 18.28        | Healthcare         |
| Samsung Electronics Co Ltd              | 0.96        | 7.18         | -            | Technology         |
| ⊕ Toyota Motor Corp                     | 0.90        | 8.07         | 14.52        | Consumer Cyclical  |
| ⊕ HSBC Holdings PLC                     | 0.83        | 8.90         | 1.47         | Financial Services |
| ⊕ BP PLC                                | 0.67        | 9.58         | 8.87         | Energy             |
| ⊖ Royal Dutch Shell PLC Class A         | 0.67        | 10.25        | 8.12         | Energy             |
| Total SA                                | 0.67        | 10.92        | 7.89         | Energy             |

**Total Holdings 3951**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard Growth Index Admiral VIGAX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 12-1994

Walter Nejman since 04-2016

## 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 24.76 years.

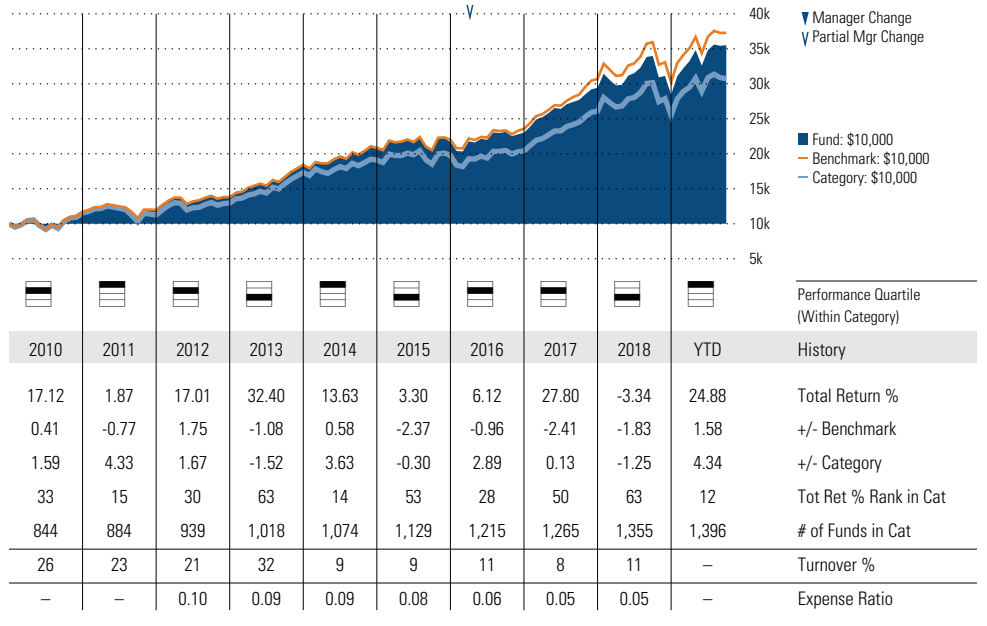
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95.19% lower than the Large Growth category average.

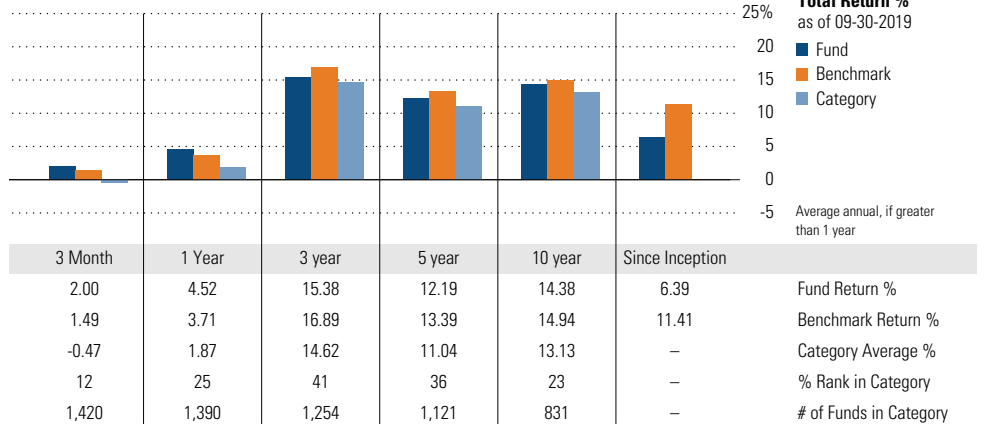
## Morningstar Investment Management LLC Analysis

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.

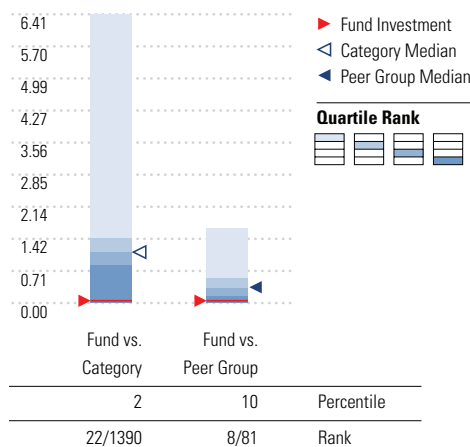
## Growth of \$10,000



## 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              | -1.22  | -     | -1.63 |
| Beta               | 0.99   | -     | 0.99  |
| R-Squared          | 99.18  | -     | 91.12 |
| Standard Deviation | 13.27  | 13.30 | 13.80 |
| Sharpe Ratio       | 1.03   | 1.12  | 0.96  |
| Tracking Error     | 1.21   | -     | 4.12  |
| Information Ratio  | -1.25  | -     | -0.65 |
| Up Capture Ratio   | 95.60  | -     | 92.49 |
| Down Capture Ratio | 101.15 | -     | 99.37 |

## Portfolio Metrics

|                      | Fund   | Bmark  | Cat    |
|----------------------|--------|--------|--------|
| Price/Earnings Ratio | 28.08  | 25.98  | 26.42  |
| Price/Book Ratio     | 6.36   | 7.55   | 6.09   |
| Geom Avg Mkt Cap \$B | 130.42 | 125.13 | 169.04 |
| ROE                  | 32.10  | 34.85  | 29.93  |

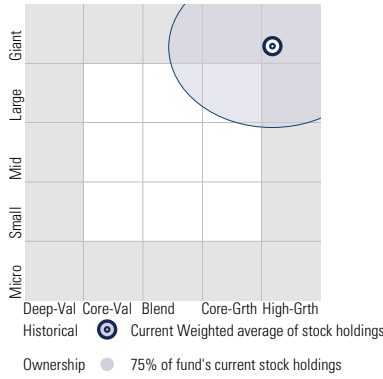
# Vanguard Growth Index Admiral VIGAX

**Morningstar Category**  
Large Growth

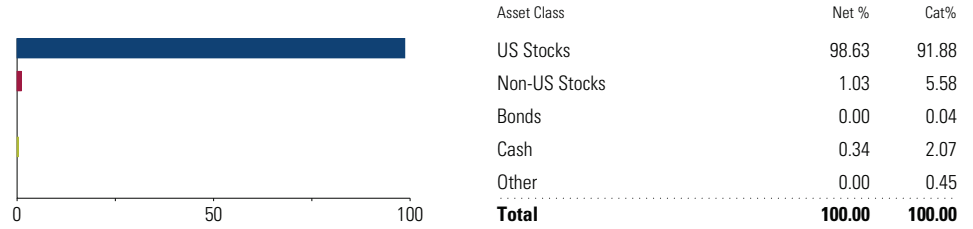
**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 09-30-2019

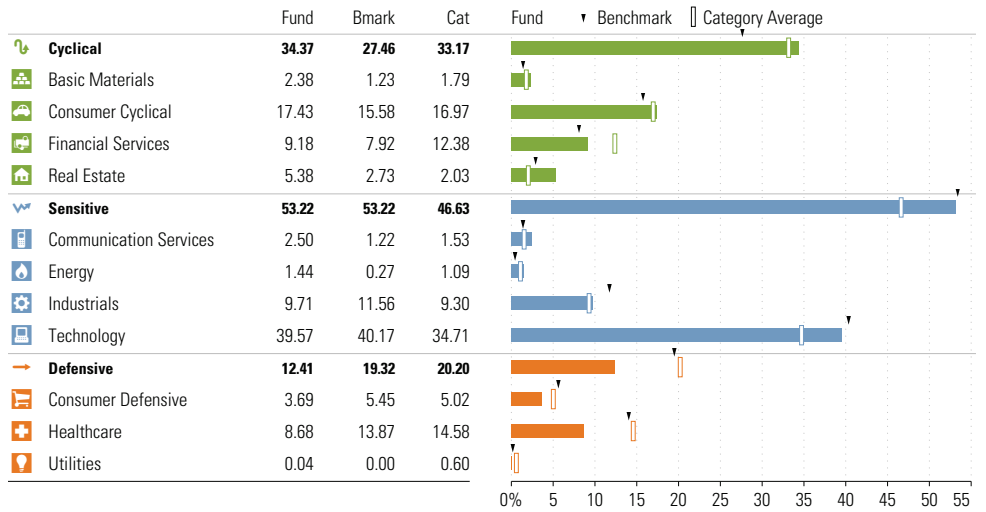
Morningstar Style Box™



## Asset Allocation as of 09-30-2019



## Sector Weighting as of 09-30-2019



## Style Breakdown



## Top 15 Holdings as of 09-30-2019

| Name                    | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-------------------------|-------------|--------------|--------------|--------------------|
| ⊕ Microsoft Corp        | 8.47        | 8.47         | 38.24        | Technology         |
| ⊕ Apple Inc             | 7.27        | 15.75        | 43.43        | Technology         |
| ⊕ Amazon.com Inc        | 5.83        | 21.57        | 15.58        | Consumer Cyclical  |
| ⊕ Facebook Inc A        | 3.42        | 24.99        | 35.85        | Technology         |
| ⊕ Alphabet Inc A        | 2.92        | 27.91        | 16.86        | Technology         |
| ⊕ Alphabet Inc Class C  | 2.87        | 30.79        | 17.71        | Technology         |
| ⊕ Visa Inc Class A      | 2.37        | 33.16        | 30.94        | Financial Services |
| ⊕ The Home Depot Inc    | 2.03        | 35.19        | 37.41        | Consumer Cyclical  |
| ⊕ Mastercard Inc A      | 1.96        | 37.15        | 44.48        | Financial Services |
| ⊕ Comcast Corp Class A  | 1.63        | 38.78        | 33.63        | Communication Svc  |
| ⊕ Boeing Co             | 1.62        | 40.40        | 19.89        | Industrials        |
| ⊕ McDonald's Corp       | 1.30        | 41.70        | 22.88        | Consumer Cyclical  |
| ⊕ Adobe Inc             | 1.07        | 42.77        | 22.10        | Technology         |
| ⊕ Costco Wholesale Corp | 1.01        | 43.79        | 42.35        | Consumer Defensive |
| ⊕ Salesforce.com Inc    | 0.99        | 44.77        | 8.37         | Technology         |

**Total Holdings 283**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Inter-Term Bond Index Adm VBILX

**Morningstar Category**  
Intermediate Core Bond

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

## Portfolio Manager(s)

Joshua Barrickman since 04-2008

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core 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 11.44 years.

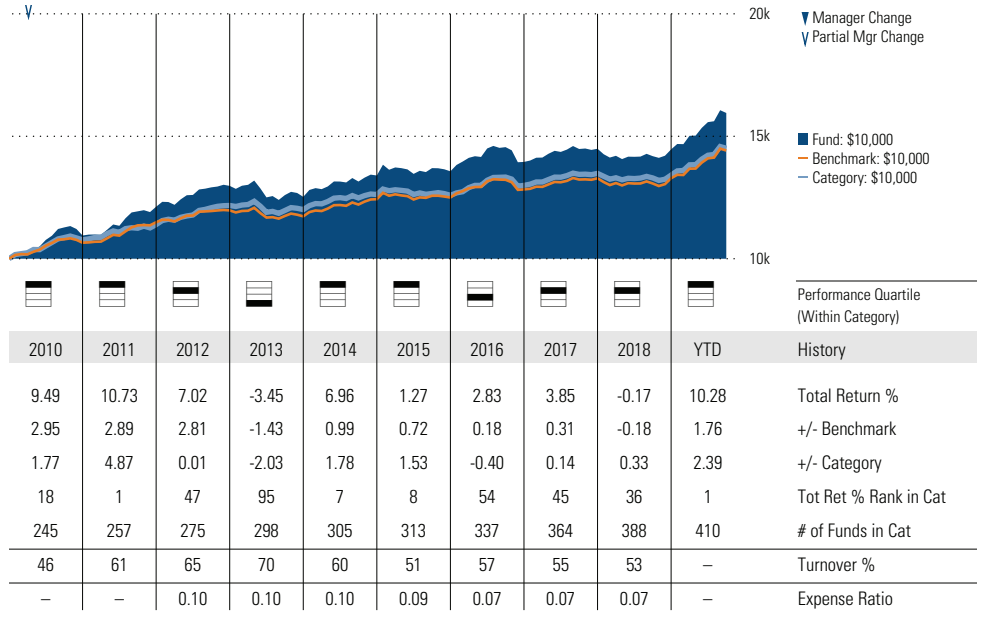
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 89.39% lower than the Intermediate Core Bond category average.

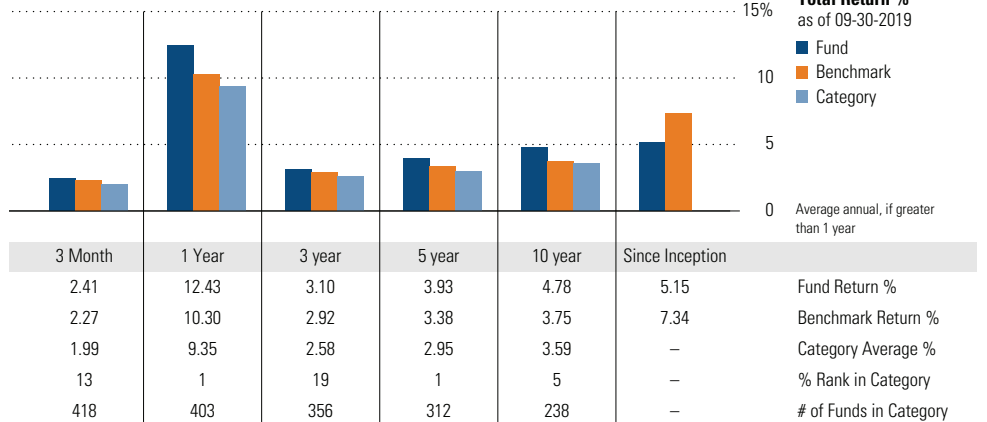
## Morningstar Investment Management LLC Analysis

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.

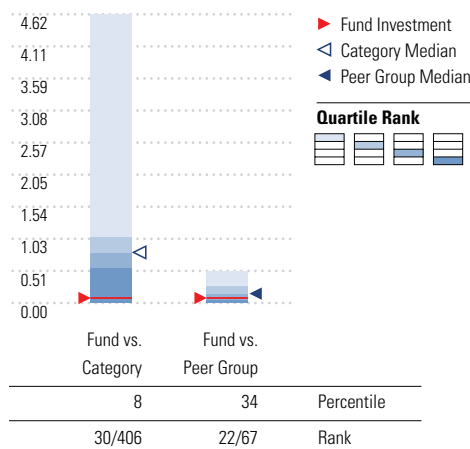
## Growth of \$10,000



## 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              | -0.39  | -     | -0.10 |
| Beta               | 1.20   | -     | 0.92  |
| R-Squared          | 97.42  | -     | 95.86 |
| Standard Deviation | 4.07   | 3.35  | 3.12  |
| Sharpe Ratio       | 0.38   | 0.41  | 0.31  |
| Tracking Error     | 0.93   | -     | 0.66  |
| Information Ratio  | 0.19   | -     | -0.69 |
| Up Capture Ratio   | 115.94 | -     | 90.62 |
| Down Capture Ratio | 125.46 | -     | 93.22 |

## Portfolio Metrics

|                  | Fund | Bmark | Cat  |
|------------------|------|-------|------|
| Avg Eff Duration | 6.34 | 4.43  | 5.41 |
| Avg Eff Maturity | 7.30 | -     | 7.00 |

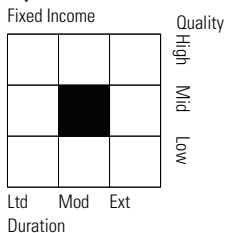
# Vanguard Inter-Term Bond Index Adm VBILX

**Morningstar Category**  
Intermediate Core Bond

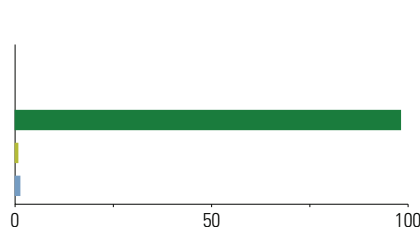
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 09-30-2019

### Style Breakdown



## Asset Allocation as of 09-30-2019

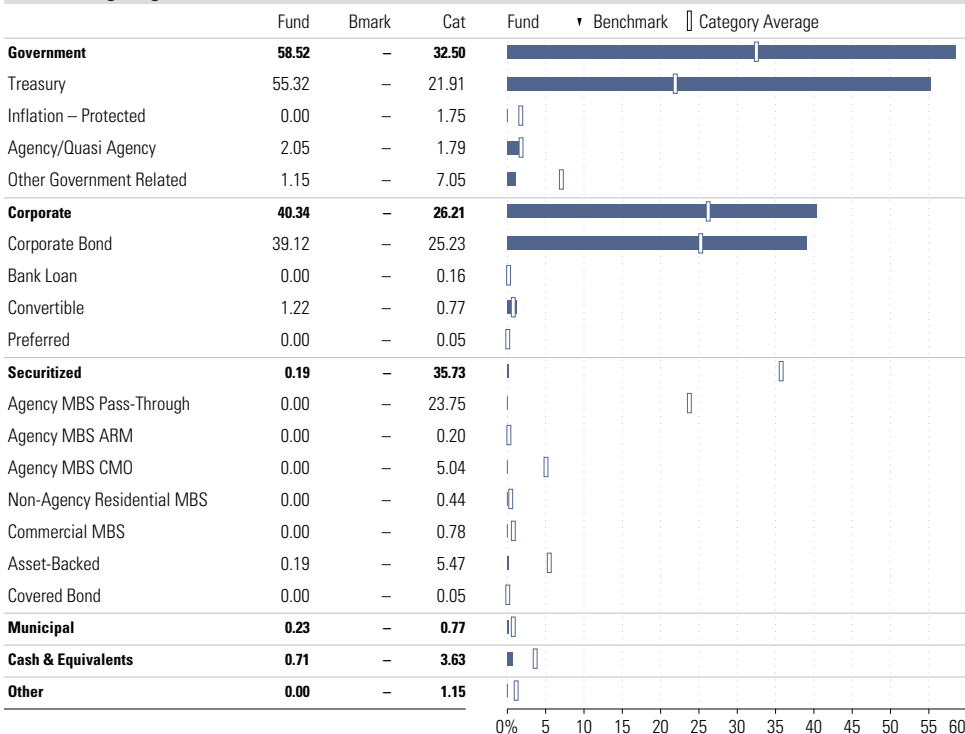


| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 0.00          | -0.15         |
| Non-US Stocks | 0.00          | 0.00          |
| Bonds         | 98.08         | 100.71        |
| Cash          | 0.71          | -2.35         |
| Other         | 1.22          | 1.79          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

### Credit Rating Breakdown

|           | Fund  | Bmark | Cat   |
|-----------|-------|-------|-------|
| AAA       | 56.35 | 3.53  | 41.28 |
| AA        | 2.82  | 74.59 | 12.11 |
| A         | 16.26 | 10.82 | 25.80 |
| BBB       | 24.57 | 8.32  | 15.44 |
| BB        | 0.00  | 0.28  | 3.70  |
| B         | 0.00  | 0.00  | 0.74  |
| Below B   | 0.00  | 0.00  | 0.35  |
| Not Rated | 0.00  | 2.46  | 0.58  |

## Sector Weighting as of 09-30-2019



## Top 10 Holdings as of 09-30-2019

| Name                                 | Maturity Date | % Net Asset | Cumulative % | Fixed Income Sector |
|--------------------------------------|---------------|-------------|--------------|---------------------|
| ⊕ United States Treasury Notes 3.12% | 11-2028       | 2.56        | 2.56         | -                   |
| United States Treasury Notes 1.62%   | 02-2026       | 2.25        | 4.81         | -                   |
| United States Treasury Notes 2.38%   | 05-2029       | 2.12        | 6.92         | -                   |
| United States Treasury Notes 2.25%   | 02-2027       | 2.07        | 8.99         | -                   |
| United States Treasury Notes 2.62%   | 02-2029       | 2.01        | 11.01        | -                   |
| ⊕ United States Treasury Notes 1.62% | 05-2026       | 1.91        | 12.91        | -                   |
| ⊕ United States Treasury Notes 2.88% | 08-2028       | 1.88        | 14.79        | -                   |
| United States Treasury Notes 2.38%   | 05-2027       | 1.86        | 16.65        | -                   |
| United States Treasury Notes 2.88%   | 05-2028       | 1.77        | 18.43        | -                   |
| ⊖ United States Treasury Notes 2%    | 11-2026       | 1.77        | 20.20        | -                   |

**Total Holdings 1861**

⊕ 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 21.38 years.

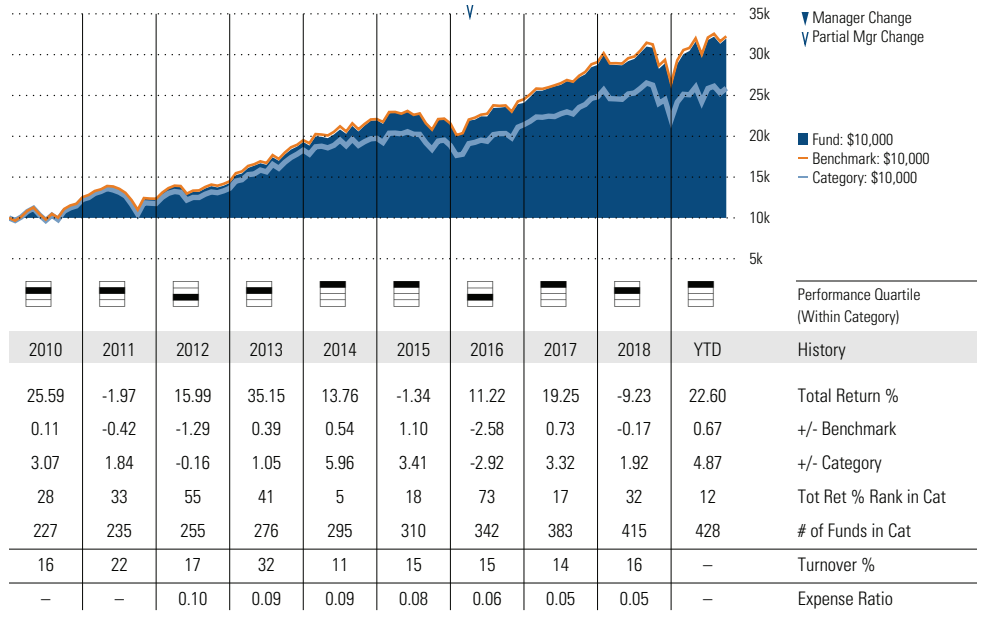
**Style:** The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

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

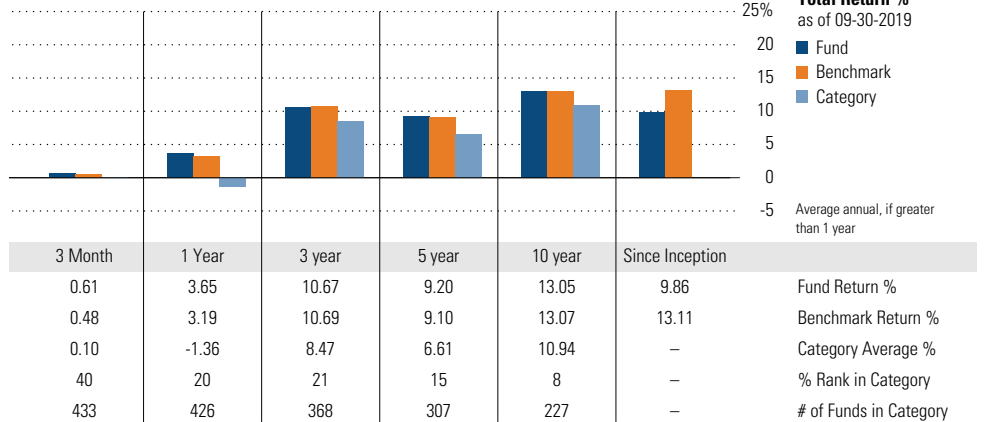
## Morningstar Investment Management LLC Analysis

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.

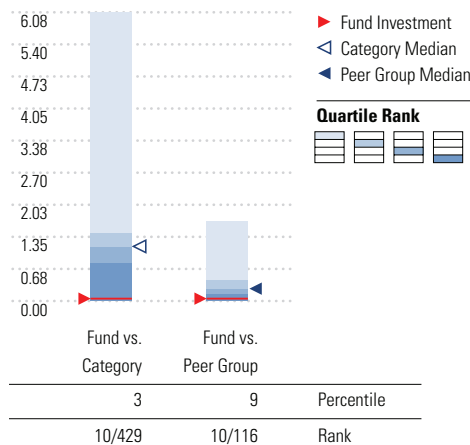
## Growth of \$10,000



## 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

| Metric             | Fund  | Bmark | Cat    |
|--------------------|-------|-------|--------|
| Alpha              | 0.11  | -     | -2.34  |
| Beta               | 0.99  | -     | 1.03   |
| R-Squared          | 99.37 | -     | 91.67  |
| Standard Deviation | 13.30 | 13.44 | 14.43  |
| Sharpe Ratio       | 0.71  | 0.70  | 0.52   |
| Tracking Error     | 1.07  | -     | 4.23   |
| Information Ratio  | -0.02 | -     | -0.60  |
| Up Capture Ratio   | 98.56 | -     | 94.31  |
| Down Capture Ratio | 97.63 | -     | 106.97 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 20.80 | 19.79 | 20.13 |
| Price/Book Ratio     | 2.66  | 2.54  | 2.35  |
| Geom Avg Mkt Cap \$B | 15.82 | 13.51 | 8.23  |
| ROE                  | 15.42 | 16.12 | 14.43 |

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

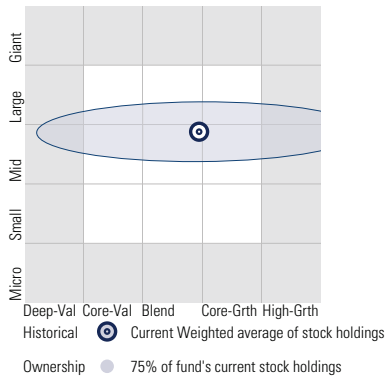
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 09-30-2019

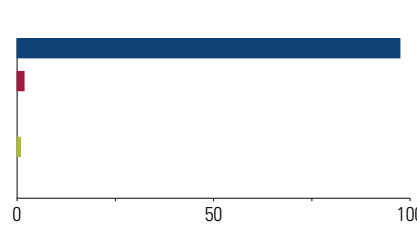
Morningstar Style Box™



## Style Breakdown

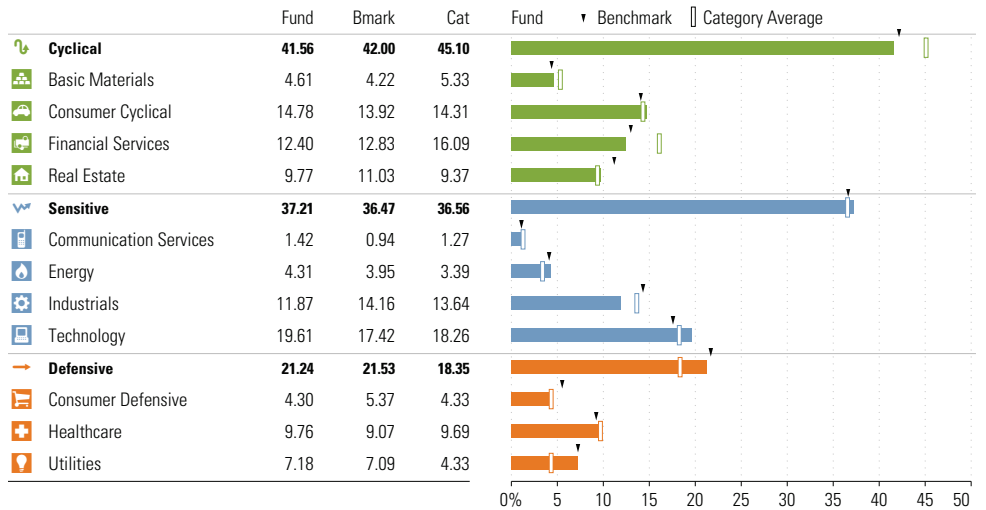


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 97.41         | 95.01         |
| Non-US Stocks | 1.77          | 2.15          |
| Bonds         | 0.00          | 0.15          |
| Cash          | 0.81          | 2.28          |
| Other         | 0.00          | 0.40          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## Top 15 Holdings as of 09-30-2019

| Name                         | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|------------------------------|-------------|--------------|--------------|--------------------|
| ⊖ Cmt Market Liquidity Rate  | 0.79        | 0.79         | —            | —                  |
| ⊕ Advanced Micro Devices Inc | 0.75        | 1.54         | 57.04        | Technology         |
| ⊕ Newmont Goldcorp Corp      | 0.74        | 2.29         | 13.19        | Basic Materials    |
| ⊕ ONEOK Inc                  | 0.73        | 3.01         | 41.44        | Energy             |
| ⊕ Twitter Inc                | 0.72        | 3.73         | 43.35        | Technology         |
| ⊕ WEC Energy Group Inc       | 0.71        | 4.45         | 39.86        | Utilities          |
| ⊕ Amphenol Corp Class A      | 0.68        | 5.13         | 19.98        | Technology         |
| ⊕ Motorola Solutions Inc     | 0.67        | 5.80         | 49.62        | Technology         |
| ⊕ Eversource Energy          | 0.66        | 6.46         | 33.88        | Utilities          |
| ⊕ SBA Communications Corp    | 0.65        | 7.11         | 49.19        | Real Estate        |
| ⊕ Dollar Tree Inc            | 0.65        | 7.76         | 26.40        | Consumer Defensive |
| ⊕ Digital Realty Trust Inc   | 0.64        | 8.40         | 24.87        | Real Estate        |
| ⊕ TransDigm Group Inc        | 0.63        | 9.03         | 61.93        | Industrials        |
| ⊕ IQVIA Holdings Inc         | 0.63        | 9.66         | 28.59        | Healthcare         |
| ⊕ FirstEnergy Corp           | 0.61        | 10.27        | 31.48        | Utilities          |

Total Holdings 368

⊕ 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 23.4 years.

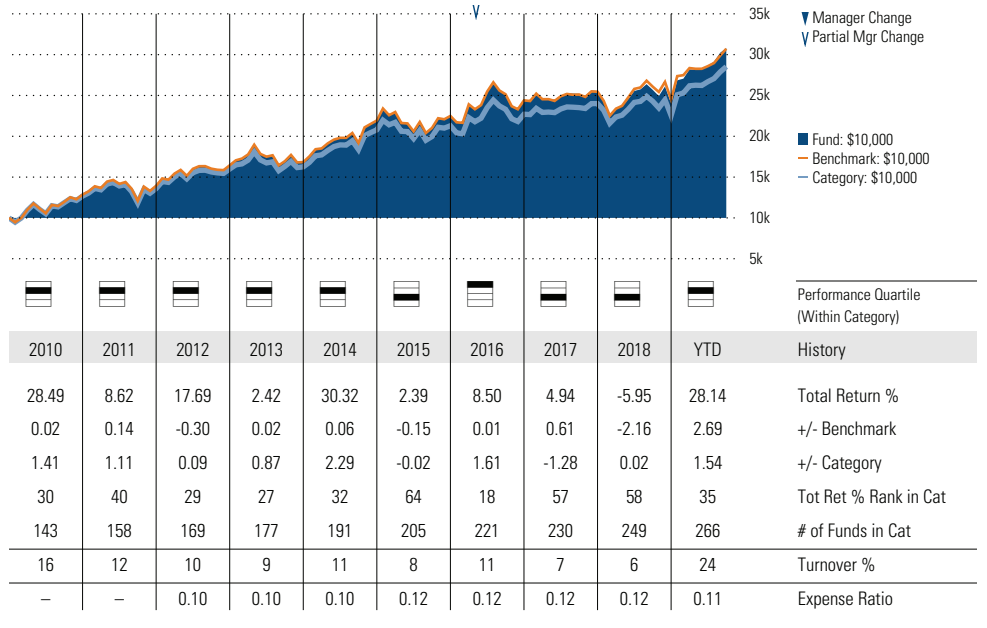
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 100 % of the time over the past three years.

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

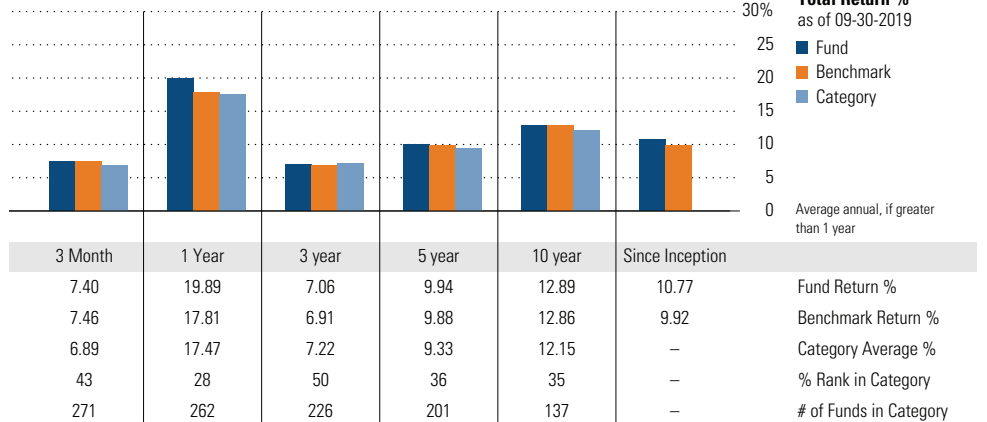
## Morningstar Investment Management LLC Analysis

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.

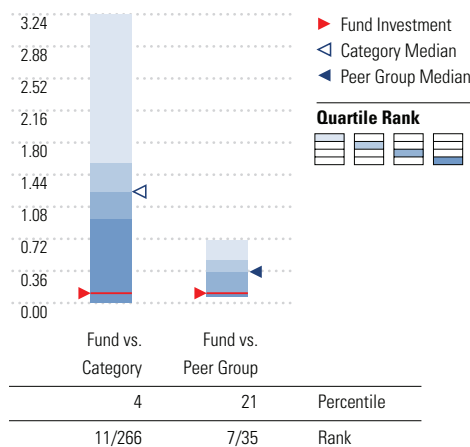
## Growth of \$10,000



## 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              | 0.25  | -     | 0.79  |
| Beta               | 0.98  | -     | 0.91  |
| R-Squared          | 98.94 | -     | 92.22 |
| Standard Deviation | 12.87 | 13.01 | 12.33 |
| Sharpe Ratio       | 0.47  | 0.46  | 0.50  |
| Tracking Error     | 1.34  | -     | 3.34  |
| Information Ratio  | 0.11  | -     | -0.03 |
| Up Capture Ratio   | 98.74 | -     | 90.64 |
| Down Capture Ratio | 97.09 | -     | 85.00 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 31.16 | 38.46 | 29.22 |
| Price/Book Ratio     | 2.75  | 2.42  | 2.79  |
| Geom Avg Mkt Cap \$B | 16.21 | 9.35  | 18.68 |
| ROE                  | 12.99 | 9.56  | 13.54 |

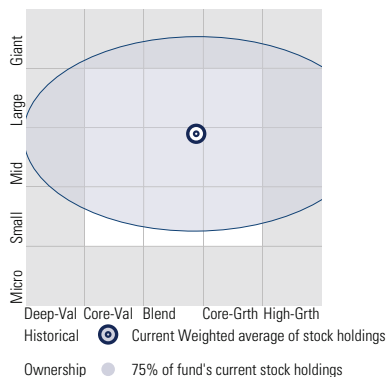
# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

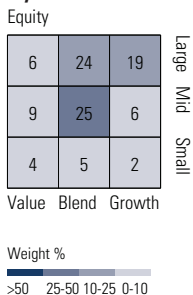
**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 09-30-2019

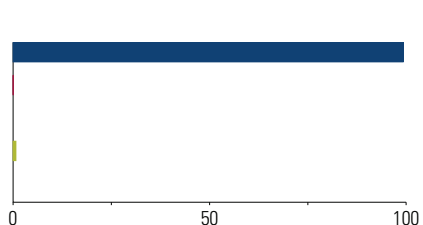
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 99.24         | 86.42         |
| Non-US Stocks | 0.04          | 0.58          |
| Bonds         | 0.00          | 3.04          |
| Cash          | 0.71          | 1.64          |
| Other         | 0.00          | 8.34          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019

|                        | Fund         | Bmark        | Cat          | Fund | Benchmark | Category Average |
|------------------------|--------------|--------------|--------------|------|-----------|------------------|
| <b>Cyclical</b>        | <b>99.97</b> | <b>99.13</b> | <b>99.19</b> |      |           |                  |
| Basic Materials        | 0.29         | 0.00         | 0.13         |      |           |                  |
| Consumer Cyclical      | 0.00         | 0.13         | 0.68         |      |           |                  |
| Financial Services     | 0.01         | 0.00         | 0.09         |      |           |                  |
| Real Estate            | 99.67        | 99.00        | 98.29        |      |           |                  |
| <b>Sensitive</b>       | <b>0.03</b>  | <b>0.87</b>  | <b>0.72</b>  |      |           |                  |
| Communication Services | 0.00         | 0.00         | 0.00         |      |           |                  |
| Energy                 | 0.00         | 0.00         | 0.02         |      |           |                  |
| Industrials            | 0.03         | 0.87         | 0.06         |      |           |                  |
| Technology             | 0.00         | 0.00         | 0.64         |      |           |                  |
| <b>Defensive</b>       | <b>0.00</b>  | <b>0.00</b>  | <b>0.10</b>  |      |           |                  |
| Consumer Defensive     | 0.00         | 0.00         | 0.00         |      |           |                  |
| Healthcare             | 0.00         | 0.00         | 0.05         |      |           |                  |
| Utilities              | 0.00         | 0.00         | 0.05         |      |           |                  |

## Top 15 Holdings as of 09-30-2019

| Name                              | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-----------------------------------|-------------|--------------|--------------|--------------------|
| ⊕ Vanguard Real Estate II Index   | 11.09       | 11.09        | -            | -                  |
| ⊕ American Tower Corp             | 6.83        | 17.92        | 41.54        | Real Estate        |
| ⊕ Crown Castle International Corp | 4.04        | 21.96        | 31.07        | Real Estate        |
| ⊕ Prologis Inc                    | 3.76        | 25.72        | 47.84        | Real Estate        |
| ⊕ Equinix Inc                     | 3.39        | 29.11        | 65.70        | Real Estate        |
| ⊕ Simon Property Group Inc        | 3.36        | 32.47        | -3.65        | Real Estate        |
| ⊕ Public Storage                  | 2.69        | 35.16        | 24.14        | Real Estate        |
| ⊕ Welltower Inc                   | 2.57        | 37.73        | 34.36        | Real Estate        |
| ⊕ Equity Residential              | 2.23        | 39.96        | 33.26        | Real Estate        |
| ⊕ AvalonBay Communities Inc       | 2.10        | 42.06        | 26.34        | Real Estate        |
| ⊕ SBA Communications Corp         | 1.91        | 43.97        | 49.19        | Real Estate        |
| ⊕ Digital Realty Trust Inc        | 1.85        | 45.81        | 24.87        | Real Estate        |
| ⊕ Ventas Inc                      | 1.83        | 47.64        | 28.70        | Real Estate        |
| ⊕ Realty Income Corp              | 1.70        | 49.34        | 24.87        | Real Estate        |
| ⊕ Essex Property Trust Inc        | 1.50        | 50.84        | 35.60        | Real Estate        |

**Total Holdings 185**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Small Cap Growth Index Admiral VSGAX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 12-2004  
William Coleman since 04-2016

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 14.76 years.

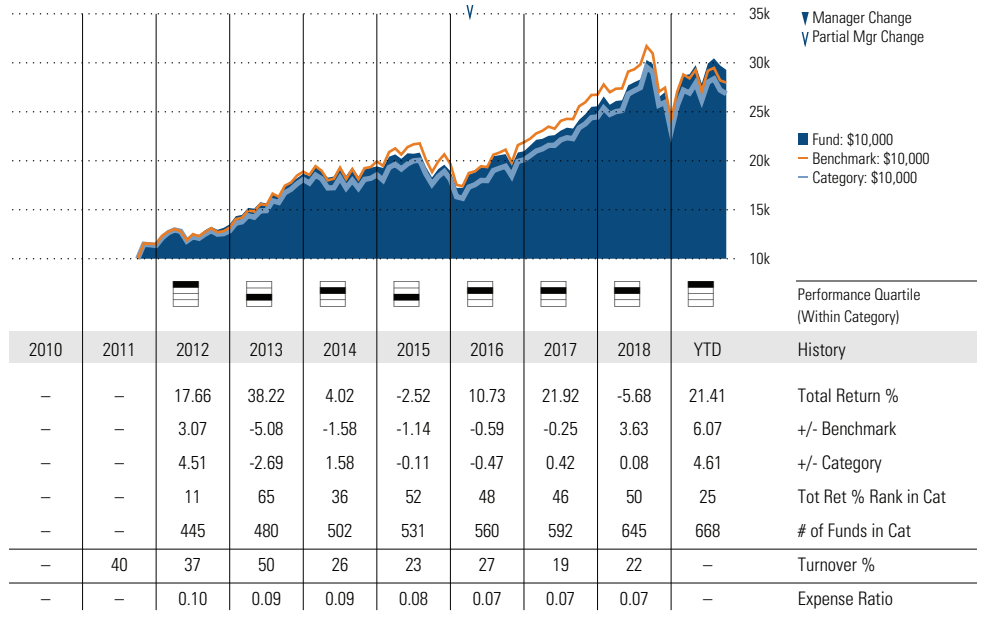
✘ **Style:** The fund has landed in its primary style box — Small Growth — 45.71 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.26% lower than the Small Growth category average.

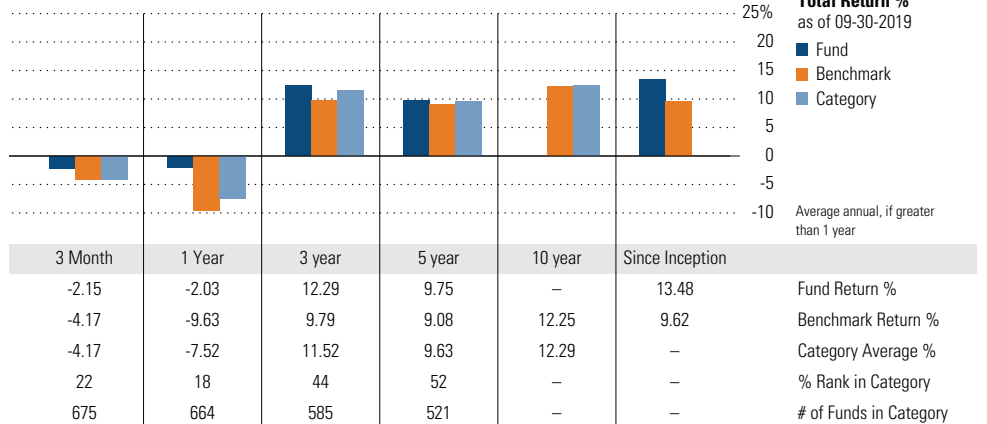
## Morningstar Investment Management LLC Analysis

This fund fails our style screen but its portfolio positioning remains consistent with the benchmark index it tracks.

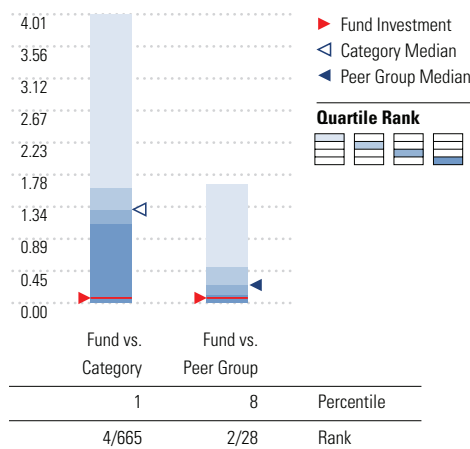
## Growth of \$10,000



## 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              | 3.05  | -     | 2.42  |
| Beta               | 0.91  | -     | 0.94  |
| R-Squared          | 96.93 | -     | 91.43 |
| Standard Deviation | 16.07 | 17.47 | 17.30 |
| Sharpe Ratio       | 0.70  | 0.53  | 0.64  |
| Tracking Error     | 3.27  | -     | 5.10  |
| Information Ratio  | 0.76  | -     | 0.38  |
| Up Capture Ratio   | 96.90 | -     | 99.42 |
| Down Capture Ratio | 82.95 | -     | 88.96 |

## Portfolio Metrics

| Metric               | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 26.53 | 23.13 | 27.02 |
| Price/Book Ratio     | 3.43  | 3.83  | 4.13  |
| Geom Avg Mkt Cap \$B | 4.58  | 2.03  | 3.72  |
| ROE                  | 9.97  | 6.01  | 7.16  |

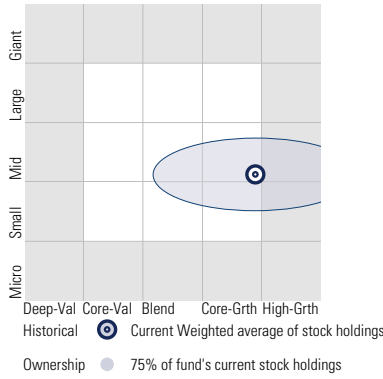
# Vanguard Small Cap Growth Index Admiral VSGAX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 09-30-2019

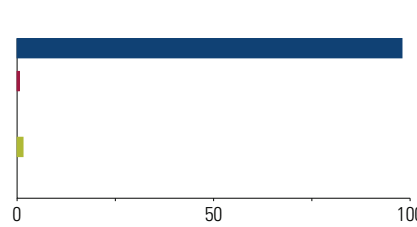
Morningstar Style Box™



## Style Breakdown

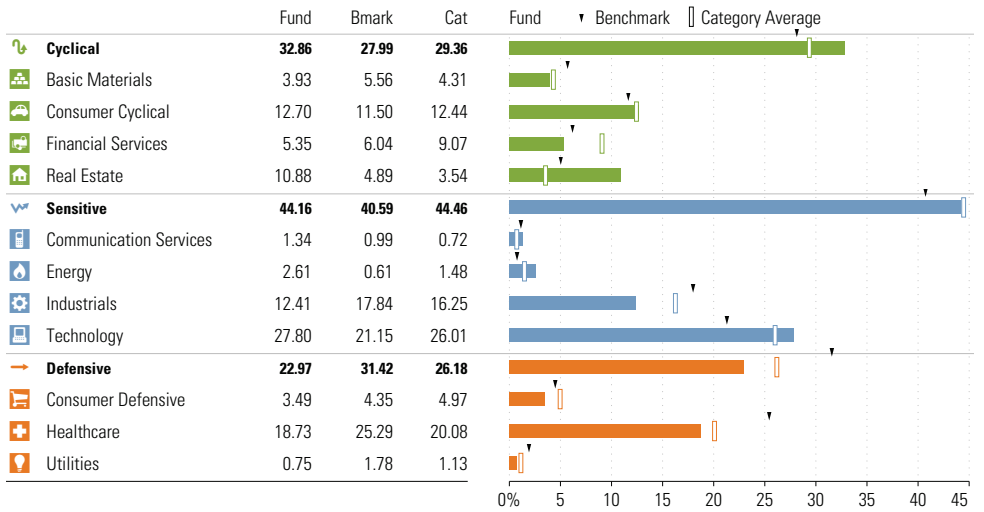


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 97.93         | 93.72         |
| Non-US Stocks | 0.56          | 3.23          |
| Bonds         | 0.00          | 0.00          |
| Cash          | 1.51          | 2.80          |
| Other         | 0.00          | 0.25          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## Top 15 Holdings as of 09-30-2019

| Name                                   | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|-------------|--------------|--------------|--------------------|
| ⊖ Cmt Market Liquidity Rate            | 1.48        | 1.48         | —            | —                  |
| ⊕ Burlington Stores Inc                | 0.82        | 2.30         | 22.84        | Consumer Defensive |
| ⊕ Teledyne Technologies Inc            | 0.72        | 3.02         | 55.50        | Technology         |
| ⊕ Zebra Technologies Corp              | 0.69        | 3.71         | 29.60        | Technology         |
| ⊕ Equity Lifestyle Properties Inc      | 0.67        | 4.38         | 39.44        | Real Estate        |
| ⊕ West Pharmaceutical Services Inc     | 0.64        | 5.03         | 45.13        | Healthcare         |
| ⊕ Tyler Technologies Inc               | 0.62        | 5.65         | 41.27        | Technology         |
| ⊕ Insulet Corp                         | 0.61        | 6.26         | 107.93       | Healthcare         |
| ⊕ EPAM Systems Inc                     | 0.59        | 6.85         | 57.16        | Technology         |
| ⊕ RingCentral Inc Class A              | 0.56        | 7.40         | 52.43        | Technology         |
| ⊕ CyrusOne Inc                         | 0.55        | 7.96         | 52.27        | Real Estate        |
| ⊕ Lennox International Inc             | 0.55        | 8.51         | 12.01        | Industrials        |
| ⊕ Bright Horizons Family Solutions Inc | 0.55        | 9.05         | 36.83        | Consumer Cyclical  |
| ⊕ WEX Inc                              | 0.54        | 9.59         | 44.27        | Technology         |
| ⊕ Guidewire Software Inc               | 0.53        | 10.12        | 31.35        | Technology         |

**Total Holdings 625**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Small Cap Value Index Admiral VSIAX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 04-2016  
William Coleman since 04-2016

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 3.43 years.

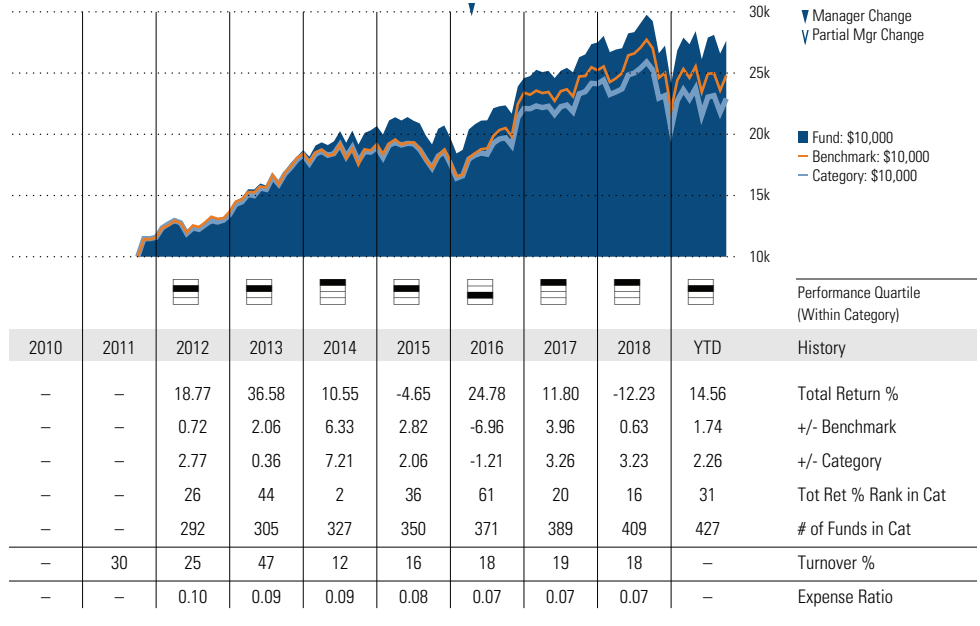
✘ **Style:** The fund has landed in its primary style box — Small Value — 57.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.12% lower than the Small Value category average.

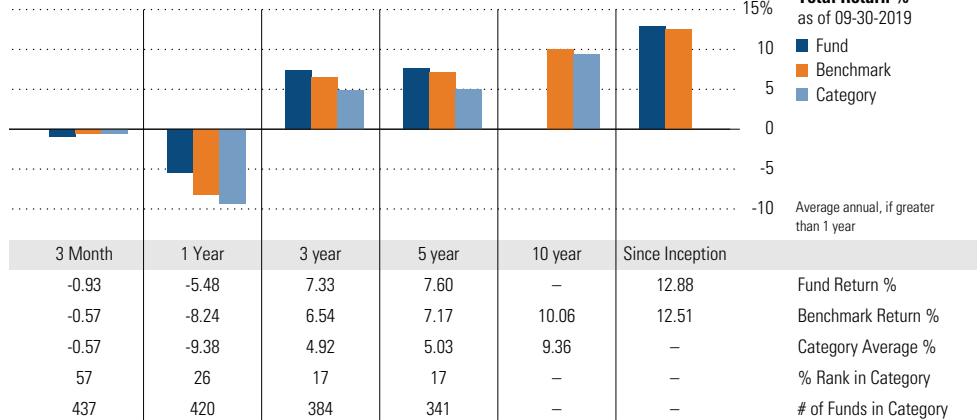
## Morningstar Investment Management LLC Analysis

This fund fails our style screen but its portfolio positioning remains consistent with the benchmark index it tracks.

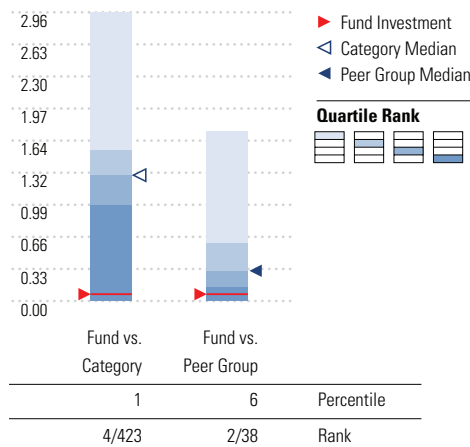
## Growth of \$10,000



## 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              | 1.30  | -     | -0.99  |
| Beta               | 0.90  | -     | 0.99   |
| R-Squared          | 96.92 | -     | 94.06  |
| Standard Deviation | 16.12 | 17.67 | 17.95  |
| Sharpe Ratio       | 0.42  | 0.35  | 0.29   |
| Tracking Error     | 3.36  | -     | 4.40   |
| Information Ratio  | 0.23  | -     | -0.30  |
| Up Capture Ratio   | 92.45 | -     | 95.42  |
| Down Capture Ratio | 86.65 | -     | 100.00 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat   |
|----------------------|-------|-------|-------|
| Price/Earnings Ratio | 14.48 | 13.72 | 15.37 |
| Price/Book Ratio     | 1.64  | 1.28  | 1.47  |
| Geom Avg Mkt Cap \$B | 3.68  | 1.55  | 2.70  |
| ROE                  | 13.15 | 6.79  | 9.76  |

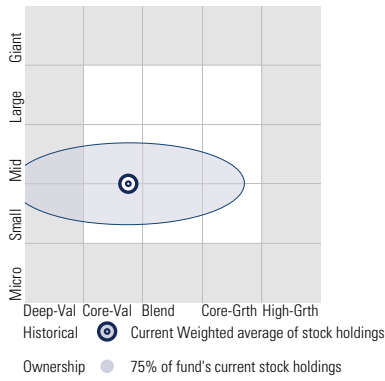
# Vanguard Small Cap Value Index Admiral VSIAX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 09-30-2019

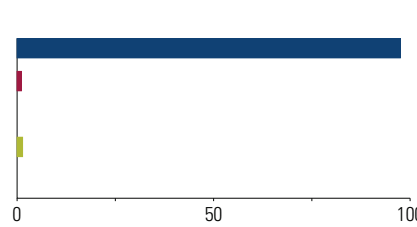
Morningstar Style Box™



## Style Breakdown

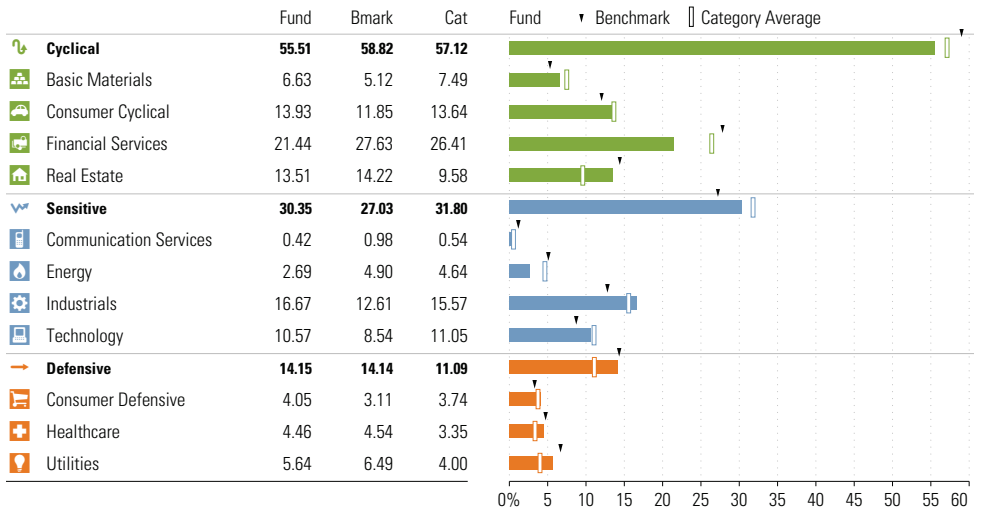


## Asset Allocation as of 09-30-2019



| Asset Class   | Net %         | Cat%          |
|---------------|---------------|---------------|
| US Stocks     | 97.51         | 95.39         |
| Non-US Stocks | 1.10          | 2.10          |
| Bonds         | 0.00          | -0.03         |
| Cash          | 1.39          | 2.43          |
| Other         | 0.00          | 0.11          |
| <b>Total</b>  | <b>100.00</b> | <b>100.00</b> |

## Sector Weighting as of 09-30-2019



## Top 15 Holdings as of 09-30-2019

| Name                                       | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|--|-------------|--------------|--------------|--------------------|
| ⊖ Cmt Market Liquidity Rate                | 1.36        | 1.36         | -            | -                  |
| ⊖ Atmos Energy Corp                        | 0.67        | 2.03         | 24.53        | Utilities          |
| ⊖ IDEX Corp                                | 0.62        | 2.66         | 30.93        | Industrials        |
| ⊖ Leidos Holdings Inc                      | 0.62        | 3.27         | 64.76        | Technology         |
| ⊕ UGI Corp                                 | 0.53        | 3.80         | -4.11        | Utilities          |
| ⊕ Booz Allen Hamilton Holding Corp Class A | 0.50        | 4.30         | 59.11        | Industrials        |
| ⊖ Teradyne Inc                             | 0.49        | 4.79         | 85.40        | Technology         |
| ⊖ Allegion PLC                             | 0.49        | 5.28         | 31.05        | Industrials        |
| ⊖ Aqua America Inc                         | 0.48        | 5.76         | 33.09        | Utilities          |
| ⊕ National Retail Properties Inc           | 0.48        | 6.24         | 19.39        | Real Estate        |
| ⊖ PerkinElmer Inc                          | 0.47        | 6.72         | 8.70         | Healthcare         |
| ⊖ US Foods Holding Corp                    | 0.45        | 7.17         | 29.90        | Consumer Defensive |
| ⊕ VICI Properties Inc Ordinary Shares      | 0.45        | 7.62         | 25.25        | Real Estate        |
| ⊖ RPM International Inc                    | 0.45        | 8.07         | 18.85        | Basic Materials    |
| ⊕ Medical Properties Trust Inc             | 0.44        | 8.50         | 26.37        | Real Estate        |

**Total Holdings 862**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Value Index Adm VVIAX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

Gerard O'Reilly since 12-1994

Walter Nejman since 04-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Value 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 24.76 years.

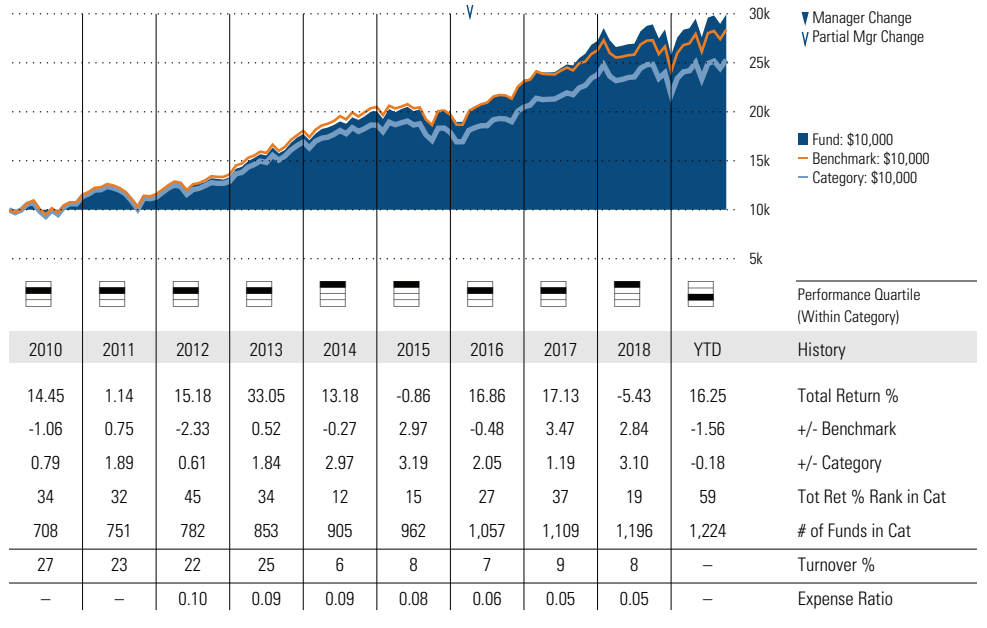
✔ **Style:** The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.74% lower than the Large Value category average.

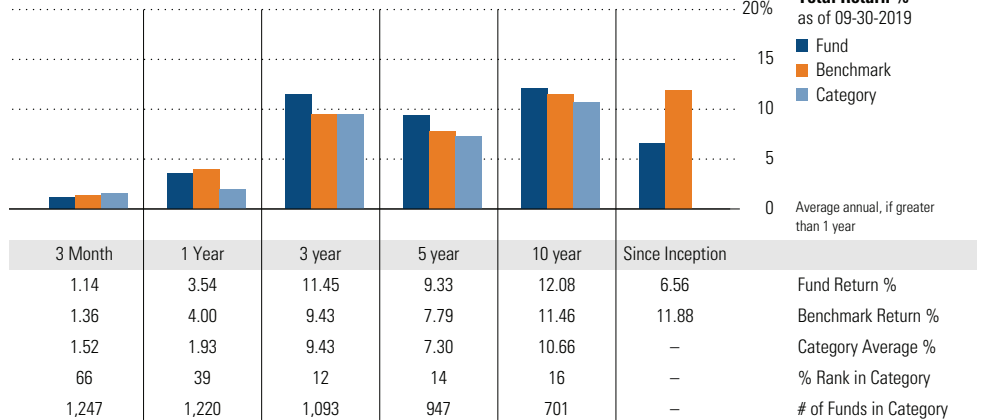
## Morningstar Investment Management LLC Analysis

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.

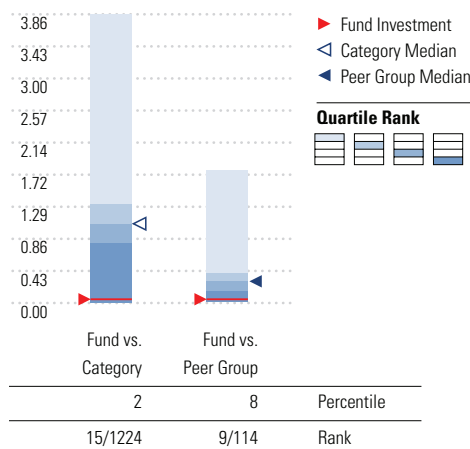
## Growth of \$10,000



## 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              | 1.97   | -     | 0.11  |
| Beta               | 0.99   | -     | 0.99  |
| R-Squared          | 98.89  | -     | 93.32 |
| Standard Deviation | 12.24  | 12.34 | 12.62 |
| Sharpe Ratio       | 0.82   | 0.66  | 0.66  |
| Tracking Error     | 1.30   | -     | 3.38  |
| Information Ratio  | 1.55   | -     | 0.01  |
| Up Capture Ratio   | 105.87 | -     | 98.55 |
| Down Capture Ratio | 94.91  | -     | 98.00 |

## Portfolio Metrics

|                      | Fund  | Bmark | Cat    |
|----------------------|-------|-------|--------|
| Price/Earnings Ratio | 16.17 | 16.49 | 16.18  |
| Price/Book Ratio     | 2.20  | 1.94  | 2.22   |
| Geom Avg Mkt Cap \$B | 85.59 | 58.19 | 107.83 |
| ROE                  | 19.29 | 14.48 | 20.08  |

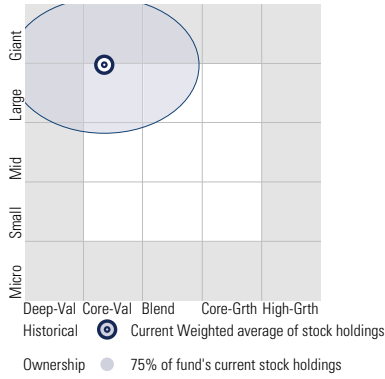
# Vanguard Value Index Adm VVIAX

**Morningstar Category**  
Large Value

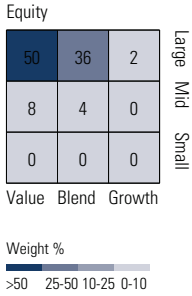
**Morningstar Index**  
Russell 1000 Value TR USD

## Style Analysis as of 09-30-2019

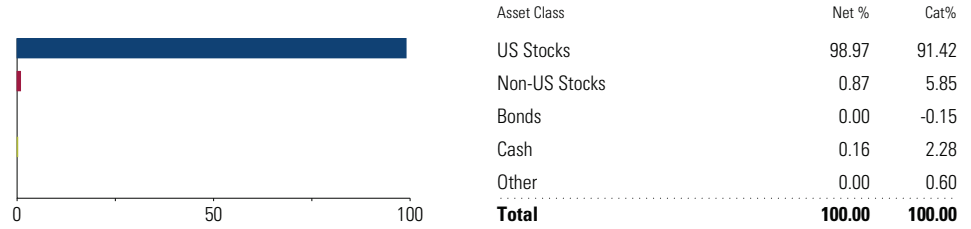
Morningstar Style Box™



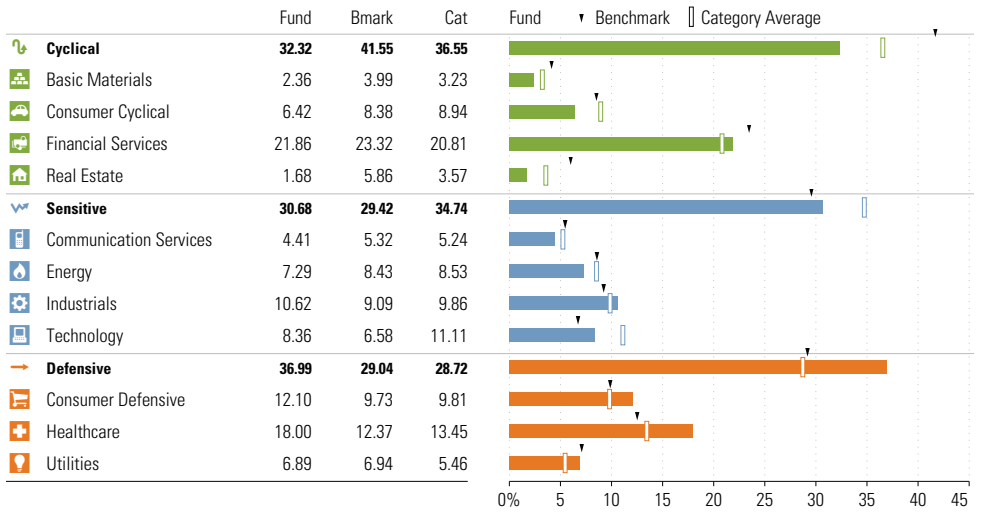
## Style Breakdown



## Asset Allocation as of 09-30-2019



## Sector Weighting as of 09-30-2019



## Top 15 Holdings as of 09-30-2019

| Name                          | % Net Asset | Cumulative % | YTD Return % | Morningstar Sector |
|-------------------------------|-------------|--------------|--------------|--------------------|
| ⊖ Berkshire Hathaway Inc B    | 3.14        | 3.14         | 1.88         | Financial Services |
| ⊖ JPMorgan Chase & Co         | 2.76        | 5.90         | 23.02        | Financial Services |
| ⊖ Johnson & Johnson           | 2.64        | 8.54         | 2.43         | Healthcare         |
| ⊖ Procter & Gamble Co         | 2.41        | 10.95        | 37.72        | Consumer Defensive |
| ⊖ Exxon Mobil Corp            | 2.31        | 13.26        | 7.30         | Energy             |
| ⊖ AT&T Inc                    | 2.14        | 15.39        | 37.95        | Communication Svc  |
| ⊖ Verizon Communications Inc  | 1.93        | 17.32        | 10.58        | Communication Svc  |
| ⊖ Bank of America Corporation | 1.89        | 19.21        | 20.33        | Financial Services |
| ⊕ The Walt Disney Co          | 1.81        | 21.02        | 19.65        | Consumer Cyclical  |
| ⊖ Intel Corp                  | 1.76        | 22.79        | 11.82        | Technology         |
| ⊖ Chevron Corp                | 1.74        | 24.53        | 12.30        | Energy             |
| ⊖ Merck & Co Inc              | 1.67        | 26.19        | 12.33        | Healthcare         |
| ⊖ Cisco Systems Inc           | 1.63        | 27.83        | 16.41        | Technology         |
| ⊖ Coca-Cola Co                | 1.62        | 29.45        | 17.51        | Consumer Defensive |
| ⊖ UnitedHealth Group Inc      | 1.59        | 31.04        | -11.54       | Healthcare         |

**Total Holdings 340**

⊕ Increase ⊖ Decrease ✨ New to Portfolio