

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.

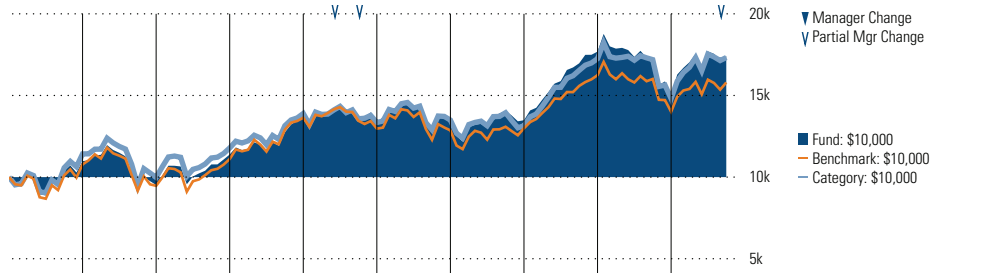
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **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



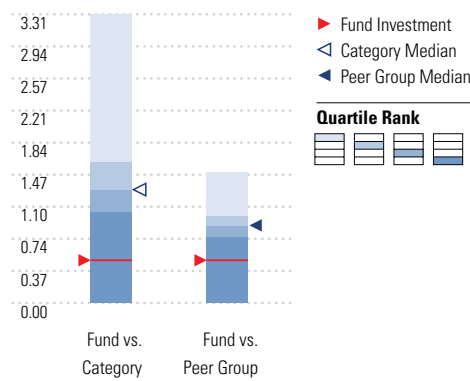
	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	III
Total Return %	9.76	-13.31	19.64	20.58	-2.29	-0.48	1.01	31.17	-14.91	15.72	Total Return %
+/- Benchmark	2.01	-1.17	2.32	-2.20	2.61	0.33	0.01	6.14	-1.12	2.92	+/- 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



Fund vs. Category: 6 / 25/474
Fund vs. Peer Group: 6 / 17/297
Percentile Rank

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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	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

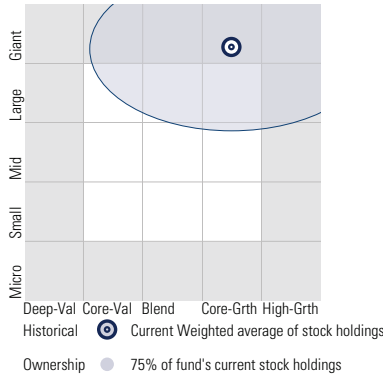
American Funds Europacific Growth R6 RERGX

Morningstar Category
Foreign Large Growth

Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 09-30-2019

Morningstar Style Box™



Style Breakdown

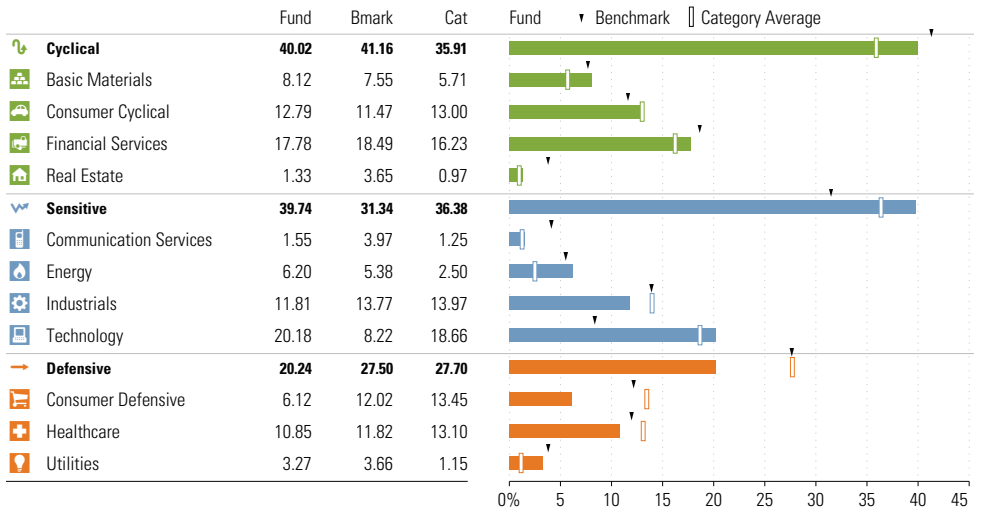


Asset Allocation as of 09-30-2019



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
Total	100.00	100.00

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

American Funds Washington Mutual R6 RWMGX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

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

Quantitative Screens

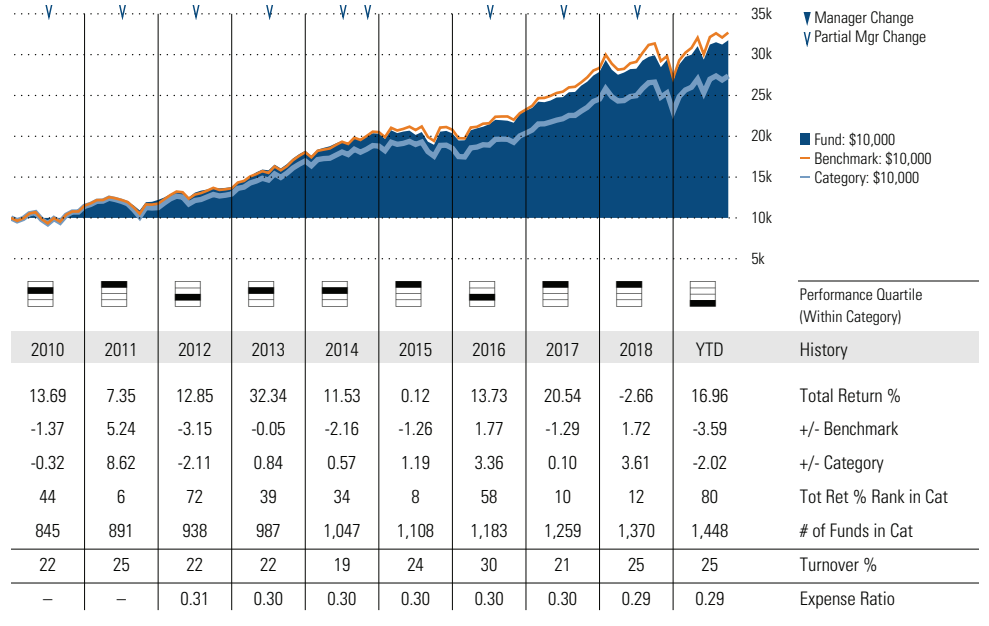
Performance: The fund has finished in the Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 22.26 years.

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

Net Expense: The fund's expense ratio of 0.29 is 68.13% lower than the Large Blend category average.

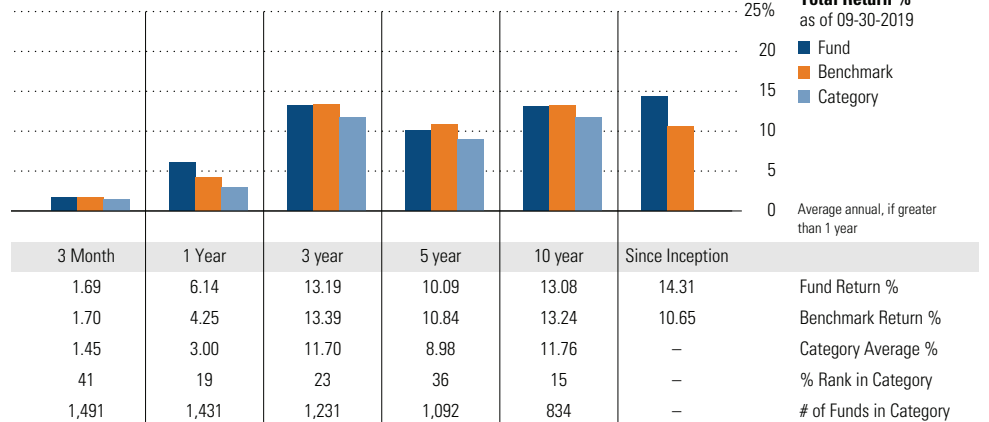
Growth of \$10,000



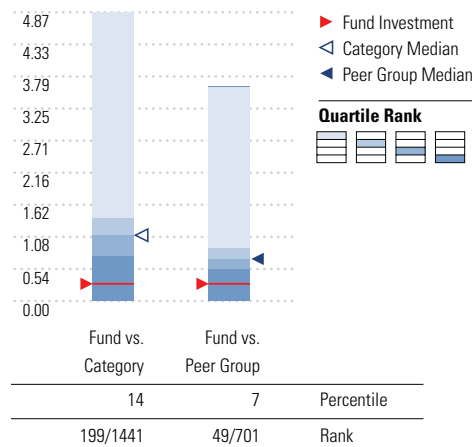
Morningstar Investment Management LLC Analysis

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

Trailing Performance



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	1.74	-	-1.24
Beta	0.84	-	0.96
R-Squared	95.49	-	93.99
Standard Deviation	10.50	12.18	12.01
Sharpe Ratio	1.08	0.96	0.84
Tracking Error	2.94	-	2.98
Information Ratio	-0.07	-	-1.29
Up Capture Ratio	90.41	-	91.29
Down Capture Ratio	81.64	-	97.85

Portfolio Metrics

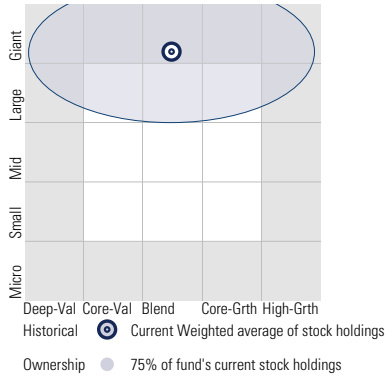
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.38	20.32	20.89
Price/Book Ratio	2.92	3.18	3.47
Geom Avg Mkt Cap \$B	112.00	111.20	178.81
ROE	25.60	26.31	28.46

American Funds Washington Mutual R6 RWMGX

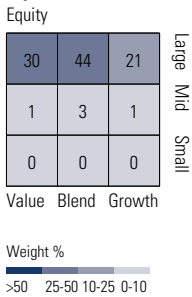
Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

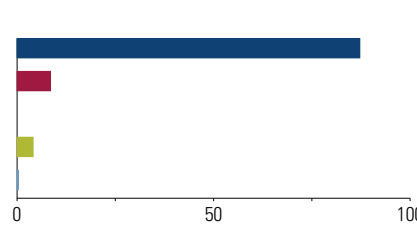
Style Analysis as of 09-30-2019
Morningstar Style Box™



Style Breakdown

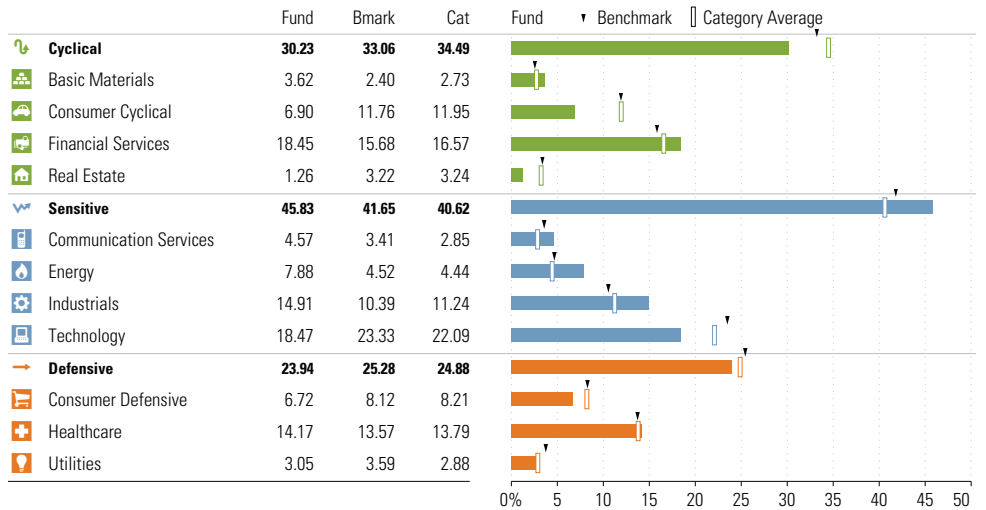


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	87.20	94.56
Non-US Stocks	8.47	2.95
Bonds	0.00	0.37
Cash	4.07	0.92
Other	0.26	1.18
Total	100.00	100.00

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	5.90	5.90	38.24	Technology
Capital Group Central Cash Fund	3.97	9.87	-	-
Boeing Co	3.09	12.96	19.89	Industrials
Broadcom Inc	2.82	15.78	11.70	Technology
Comcast Corp Class A	2.75	18.53	33.63	Communication Svc
The Home Depot Inc	2.70	21.23	37.41	Consumer Cyclical
Intel Corp	2.62	23.85	11.82	Technology
Merck & Co Inc	2.52	26.37	12.33	Healthcare
CME Group Inc Class A	2.50	28.87	13.54	Financial Services
Northrop Grumman Corp	2.44	31.32	54.61	Industrials
Marsh & McLennan Companies Inc	2.00	33.32	27.07	Financial Services
PNC Financial Services Group Inc	1.90	35.23	22.50	Financial Services
Lockheed Martin Corp	1.90	37.12	51.49	Industrials
JPMorgan Chase & Co	1.83	38.95	23.02	Financial Services
Johnson & Johnson	1.80	40.75	2.43	Healthcare

Total Holdings 163

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 19.01 years.

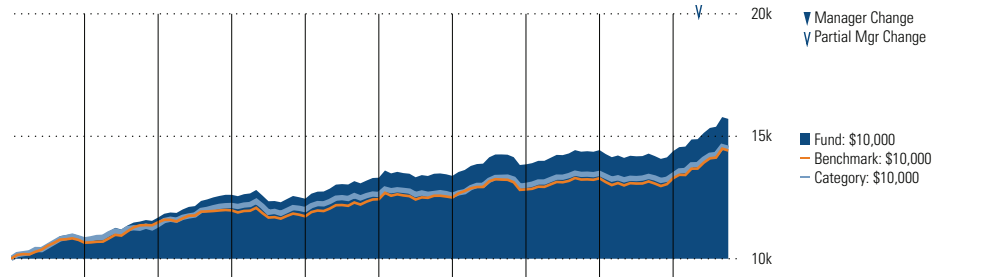
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 54.55% lower than the Intermediate Core Bond category average.

Morningstar Investment Management LLC Analysis

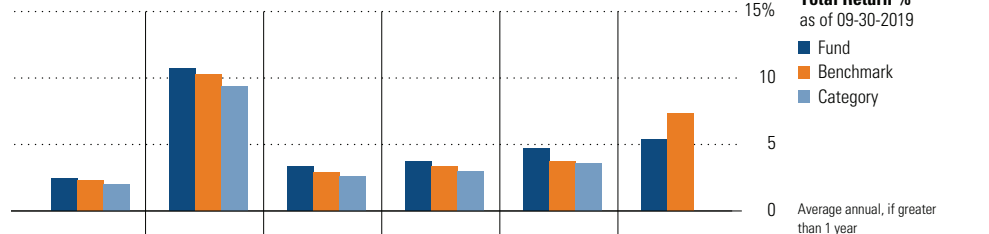
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000



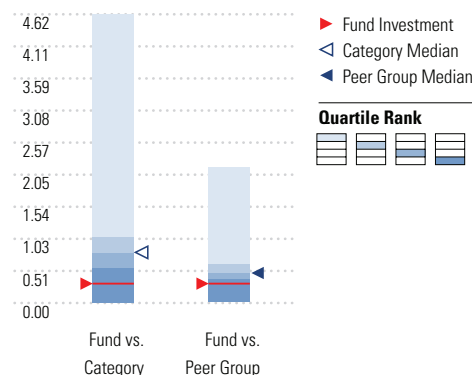
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
8.34	7.85	7.92	-1.25	6.89	0.55	3.52	4.20	-0.30	9.15	Total Return %
1.80	0.01	3.71	0.77	0.92	0.00	0.87	0.66	-0.31	0.63	+/- Benchmark
0.62	1.99	0.91	0.17	1.71	0.81	0.29	0.49	0.20	1.26	+/- Category
31	9	34	36	8	22	37	31	41	16	Tot Ret % Rank in Cat
245	257	275	298	305	313	337	364	388	410	# of Funds in Cat
41	46	64	28	32	40	36	28	24	-	Turnover %
-	-	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
2.41	10.69	3.31	3.73	4.72	5.40	Fund Return %
2.27	10.30	2.92	3.38	3.75	7.34	Benchmark Return %
1.99	9.35	2.58	2.95	3.59	-	Category Average %
12	8	11	6	5	-	% Rank in Category
418	403	356	312	238	-	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	Percentile Rank
18	14	71/406
		37/268

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	0.42	-	-0.10
Beta	0.98	-	0.92
R-Squared	99.41	-	95.86
Standard Deviation	3.30	3.35	3.12
Sharpe Ratio	0.53	0.41	0.31
Tracking Error	0.26	-	0.66
Information Ratio	1.49	-	-0.69
Up Capture Ratio	103.18	-	90.62
Down Capture Ratio	93.73	-	93.22

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	5.78	4.43	5.41
Avg Eff Maturity	7.68	-	7.00

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

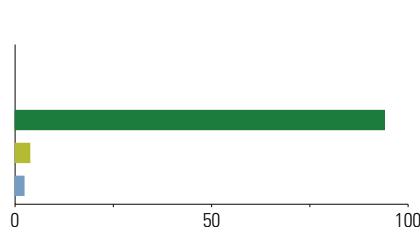
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 09-30-2019

Style Breakdown



Asset Allocation as of 09-30-2019

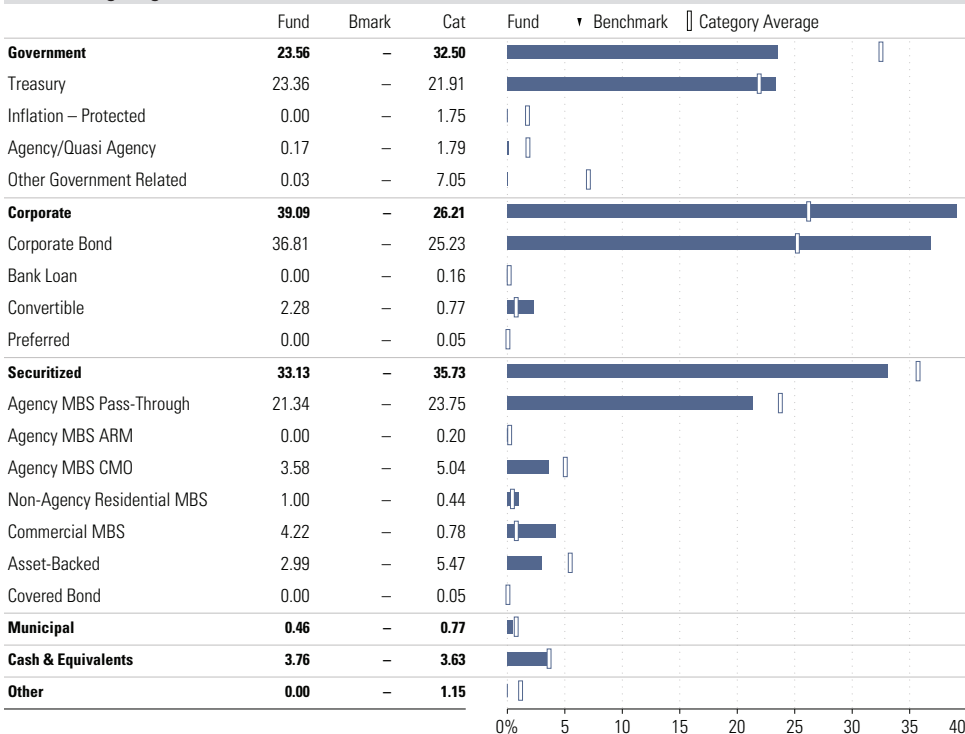


Asset Class	Net %	Cat%
US Stocks	0.00	-0.15
Non-US Stocks	0.00	0.00
Bonds	93.97	100.71
Cash	3.75	-2.35
Other	2.28	1.79
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	58.20	3.53	41.28
AA	3.90	74.59	12.11
A	16.90	10.82	25.80
BBB	20.70	8.32	15.44
BB	0.30	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 1.88%	03-2022	6.30	6.30	-
⊖ United States Treasury Bonds 2.88%	05-2043	4.09	10.39	-
⊖ First American Government Oblig U	02-2030	3.13	13.52	-
⊕ United States Treasury Bonds 2.5%	02-2045	2.99	16.51	-
⊖ United States Treasury Notes 2.25%	11-2025	2.21	18.71	-
⊖ United States Treasury Bonds 3.5%	02-2039	2.04	20.76	-
⊕ United States Treasury Notes 3.13%	11-2028	1.71	22.47	-
⊕ United States Treasury Notes 1.75%	03-2022	1.28	23.74	-
⊕ United States Treasury Notes 2.5%	05-2024	1.27	25.02	-
⊖ United States Treasury Notes 2.25%	11-2027	1.21	26.22	-

Total Holdings 1208

⊕ 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

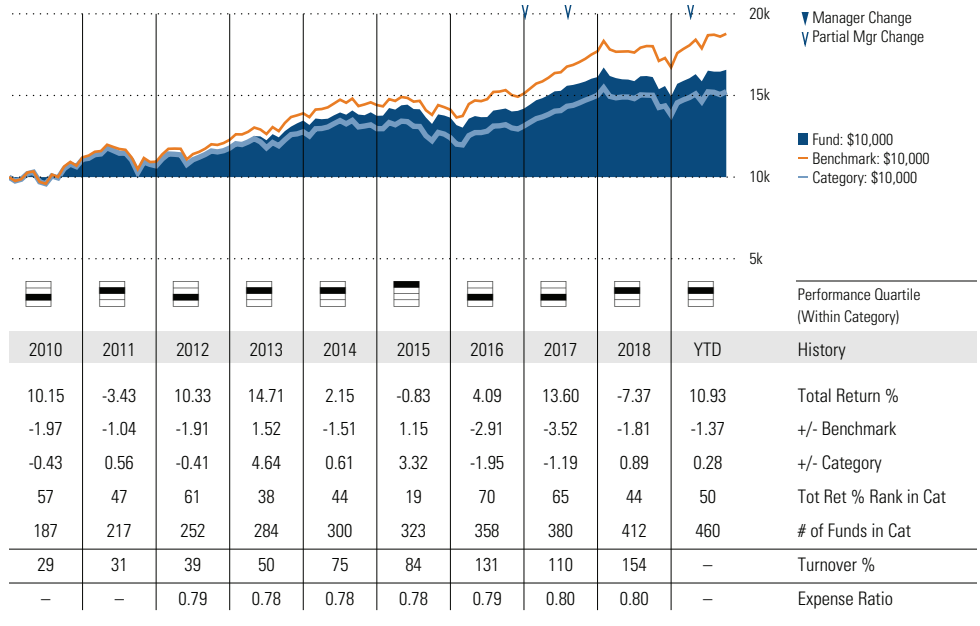
Quantitative Screens

- 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.

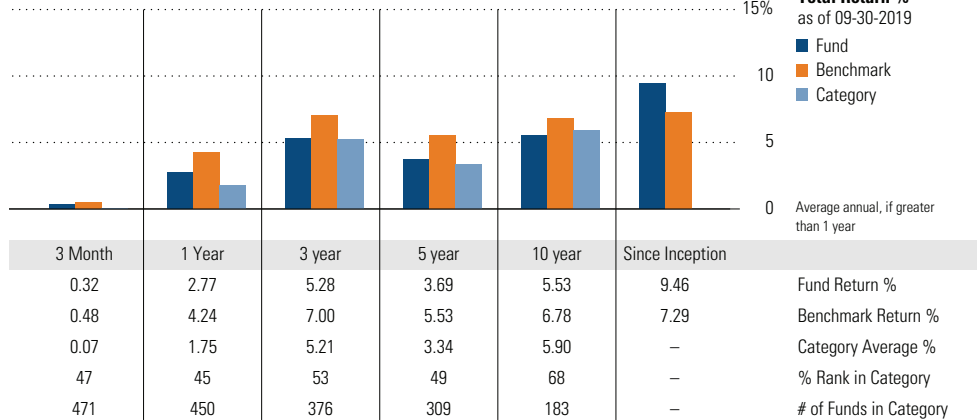
Morningstar Investment Management LLC Analysis

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.

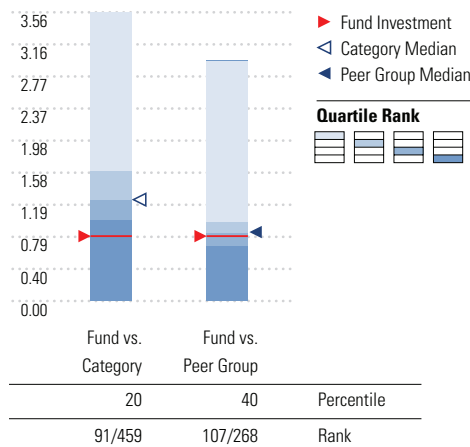
Growth of \$10,000



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

	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

	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

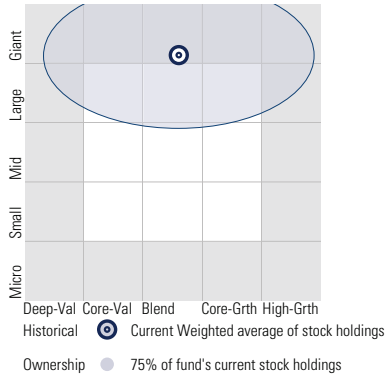
BlackRock Global Allocation Instl MALOX

Morningstar Category
World Allocation

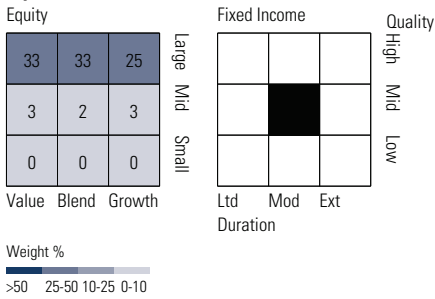
Morningstar Index
Morningstar Gbl Allocation TR USD

Style Analysis as of 09-30-2019

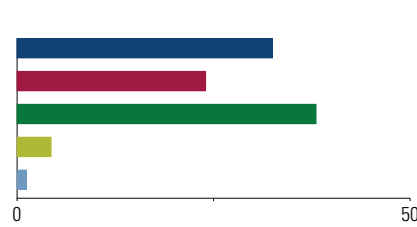
Morningstar Style Box™



Style Breakdown

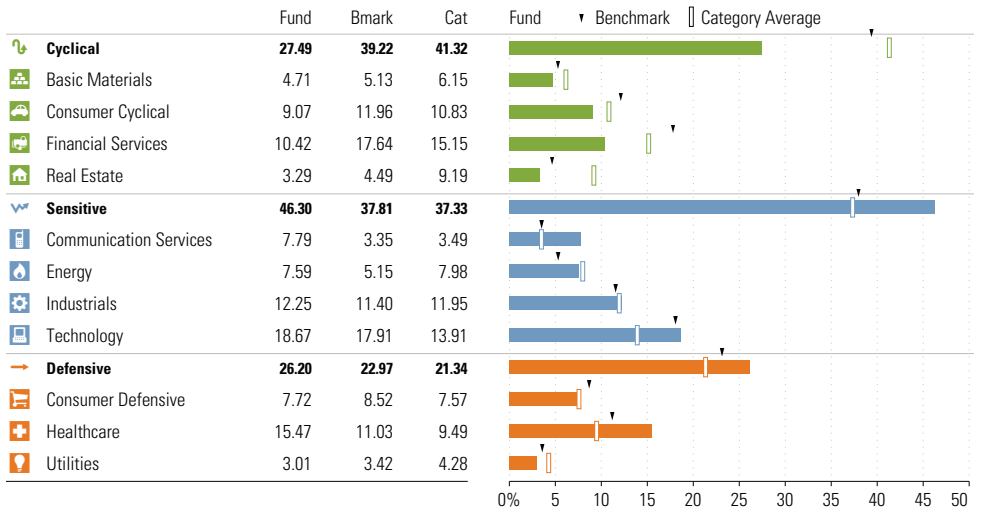


Asset Allocation as of 09-30-2019



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
Total	100.00	100.00

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.

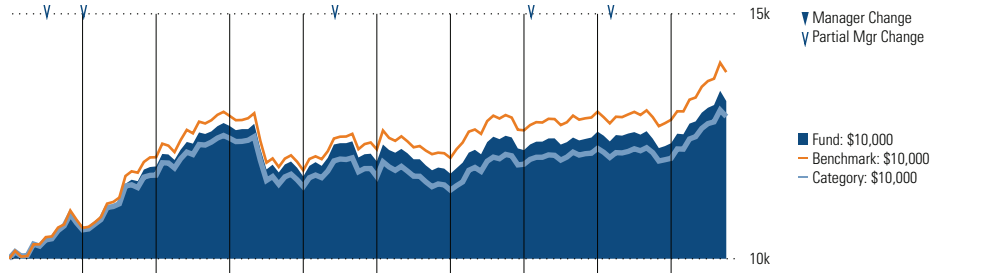
Style Consistency is not calculated for Fixed Income funds.

✔ **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

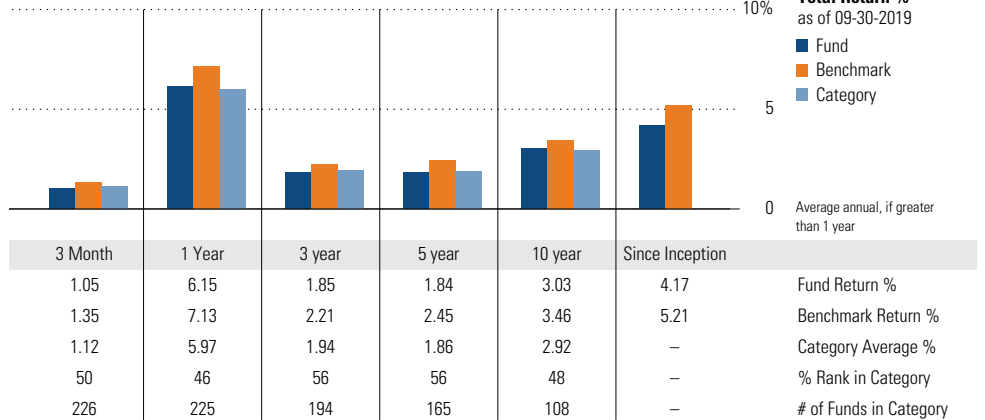
This fund went on watch earlier this year after portfolio manager Martin Hegarty left the firm. His departure followed other turnover on the team in 2017. However, we maintain confidence in the fund due to its solid process and talented underlying resources. Under current portfolio managers David Rogal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

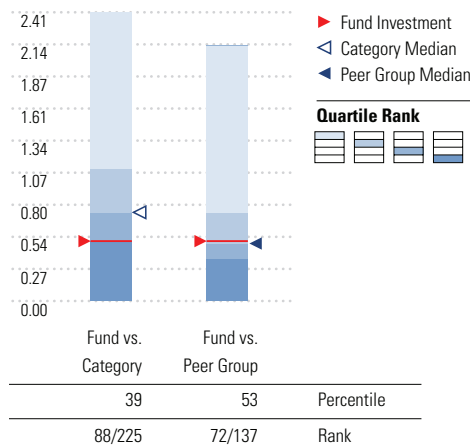


2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
6.23	11.88	6.94	-8.11	2.63	-2.10	4.11	3.09	-1.88	6.96	Total Return %
-0.08	-1.68	-0.04	0.50	-1.01	-0.66	-0.57	0.08	-0.62	-0.62	+/- Benchmark
0.29	0.95	0.49	-0.26	0.83	0.26	-0.48	0.37	-0.24	-0.04	+/- Category
36	51	22	28	39	45	56	31	65	56	Tot Ret % Rank in Cat
108	131	140	154	160	167	189	198	213	226	# of Funds in Cat
213	131	120	86	66	61	7	76	176	-	Turnover %
-	-	0.43	0.44	0.44	0.44	0.36	0.40	0.50	-	Expense Ratio

Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.28	-	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

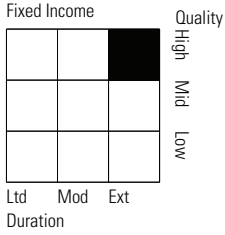
BlackRock Inflation Protected Bond Instl BPRIX

Morningstar Category
Inflation-Protected Bond

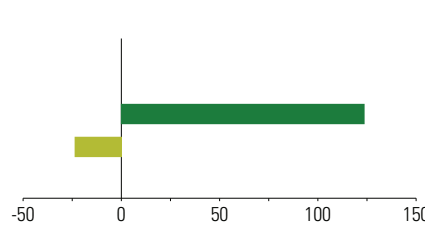
Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Style Analysis as of 09-30-2019

Style Breakdown



Asset Allocation as of 09-30-2019

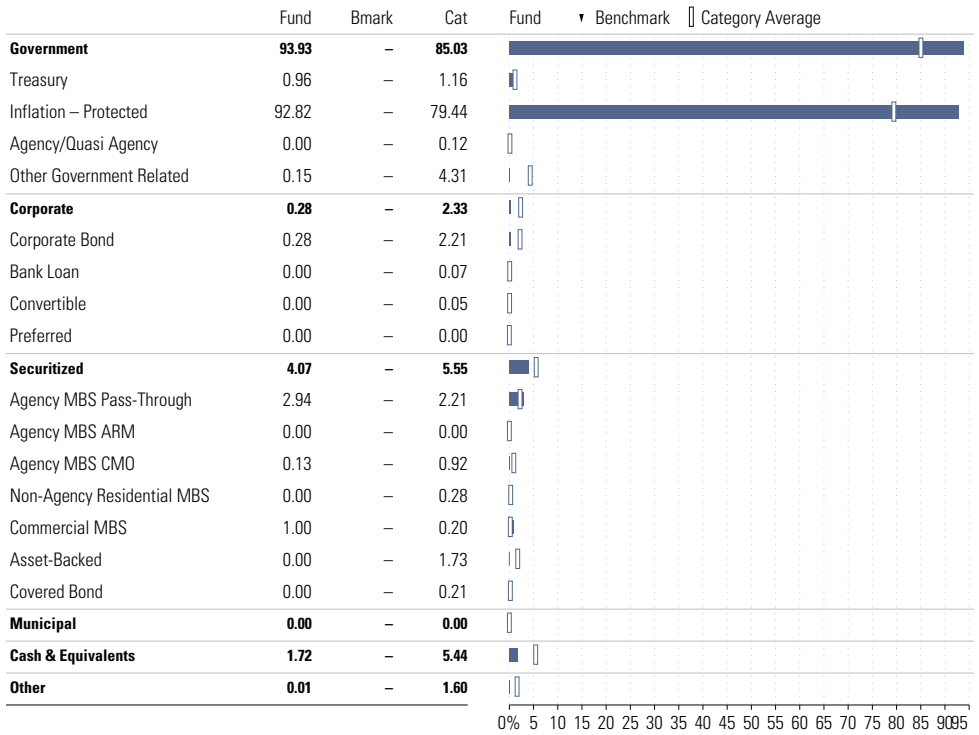


Asset Class	Net %	Cat%
US Stocks	0.00	0.01
Non-US Stocks	0.00	0.01
Bonds	123.53	97.96
Cash	-23.53	1.81
Other	0.00	0.21
Total	100.00	100.00

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

Carillon Eagle Small Cap Growth I HSIIX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Small Growth category's top three quartiles in 7 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 23.76 years.

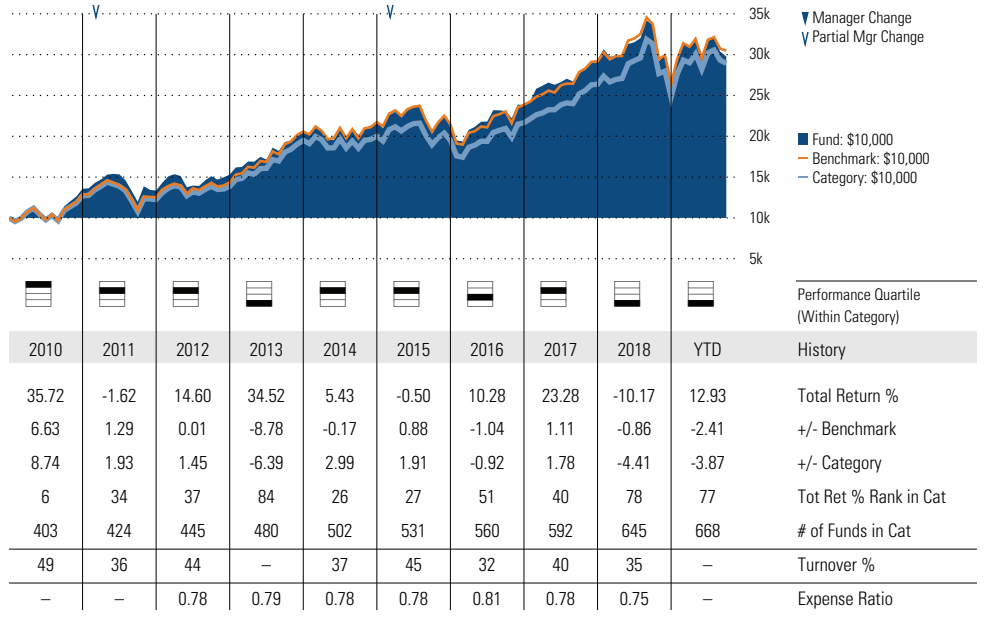
✔ **Style:** The fund has landed in its primary style box — Small Growth — 66.67 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.75 is 38.52% lower than the Small Growth category average.

Morningstar Investment Management LLC Analysis

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

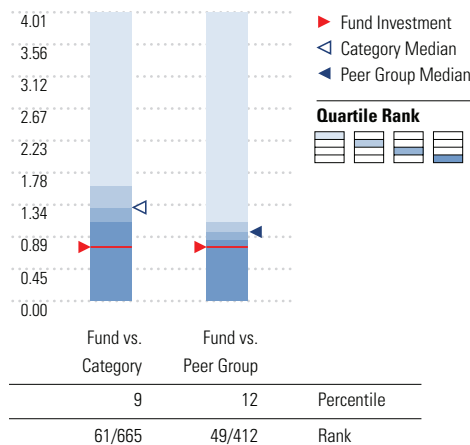
Growth of \$10,000



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	-0.74	-	2.42
Beta	0.99	-	0.94
R-Squared	94.99	-	91.43
Standard Deviation	17.81	17.47	17.30
Sharpe Ratio	0.47	0.53	0.64
Tracking Error	3.99	-	5.10
Information Ratio	-0.24	-	0.38
Up Capture Ratio	99.47	-	99.42
Down Capture Ratio	104.05	-	88.96

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	25.53	23.13	27.02
Price/Book Ratio	4.07	3.83	4.13
Geom Avg Mkt Cap \$B	3.28	2.03	3.72
ROE	5.96	6.01	7.16

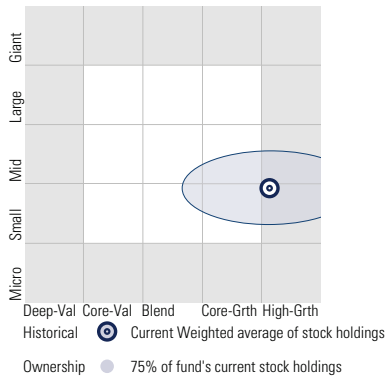
Carillon Eagle Small Cap Growth I HSIIX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 09-30-2019

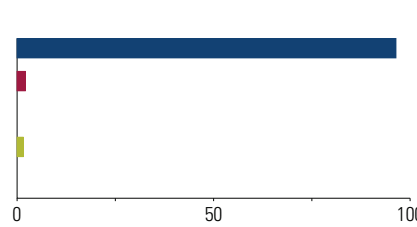
Morningstar Style Box™



Style Breakdown

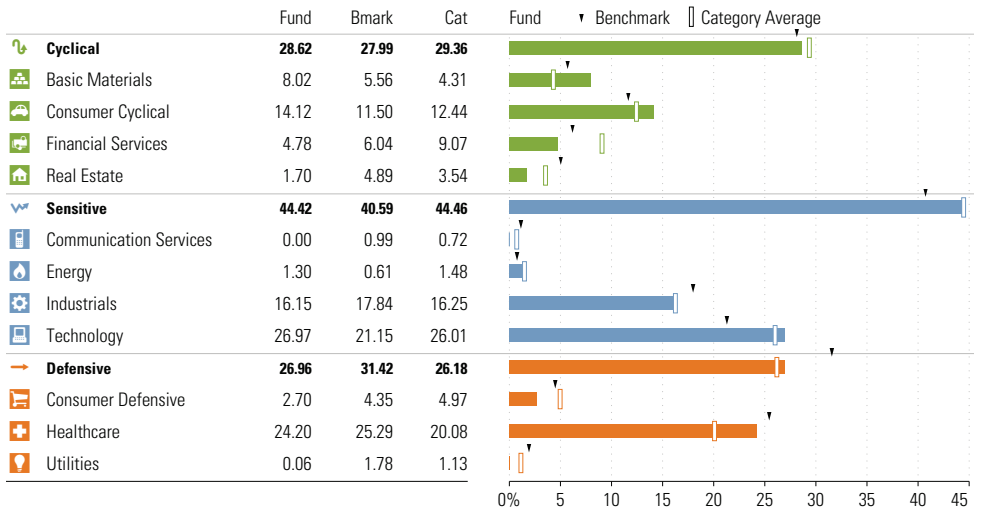


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	96.39	93.72
Non-US Stocks	2.08	3.23
Bonds	0.00	0.00
Cash	1.53	2.80
Other	0.00	0.25
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Top 15 Holdings as of 09-30-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Quaker Chemical Corp	2.61	2.61	-10.38	Basic Materials
Entegris Inc	2.36	4.98	69.49	Technology
RealPage Inc	2.29	7.27	30.44	Technology
Hexcel Corp	2.04	9.31	44.05	Industrials
Woodward Inc	2.03	11.33	45.80	Industrials
Cornerstone OnDemand Inc	2.00	13.34	8.71	Technology
⊕ Aerojet Rocketdyne Holdings Inc	1.94	15.28	43.37	Industrials
Universal Electronics Inc	1.85	17.13	101.34	Technology
Pegasystems Inc	1.75	18.88	42.46	Technology
Chart Industries Inc	1.66	20.55	-4.11	Industrials
John Bean Technologies Corp	1.64	22.19	38.88	Industrials
Landstar System Inc	1.59	23.78	18.21	Industrials
⊖ Trex Co Inc	1.58	25.36	53.18	Basic Materials
⊖ Guidewire Software Inc	1.57	26.93	31.35	Technology
⊖ Cognex Corp	1.56	28.48	27.44	Technology

Total Holdings 111

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Delaware Small Cap Value Instl DEVIX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Portfolio Manager(s)

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

Quantitative Screens

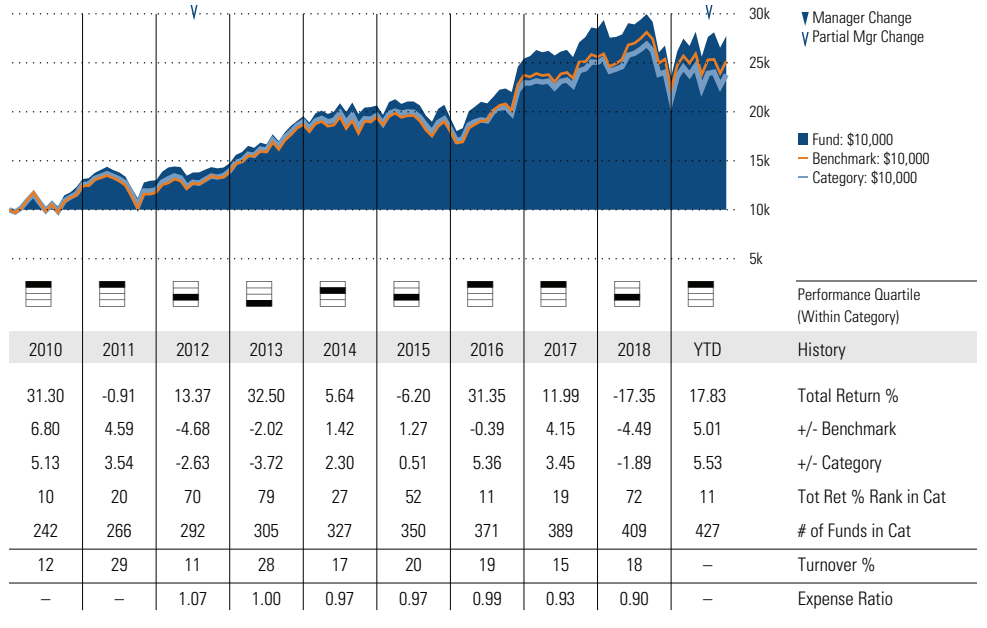
✔ **Performance:** The fund has finished in the Small Value category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.43 years.

✘ **Style:** The fund has landed in its primary style box — Small Value — 37.14 % of the time over the past three years.

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

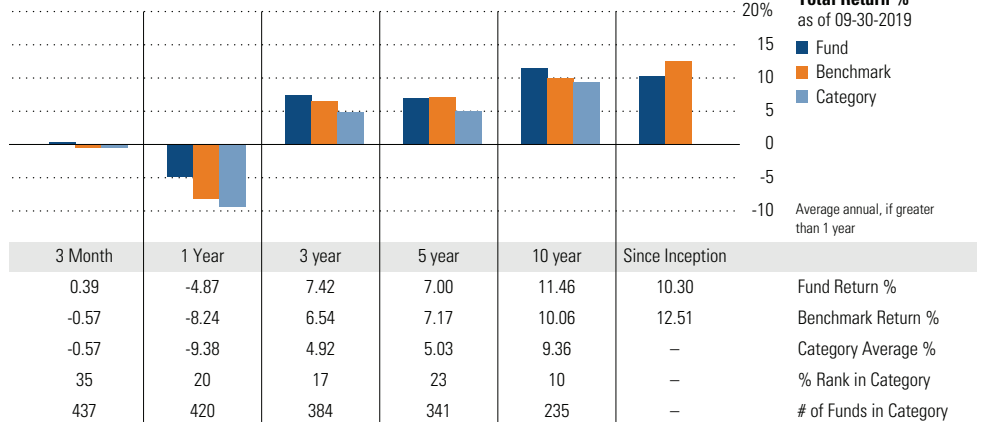
Growth of \$10,000



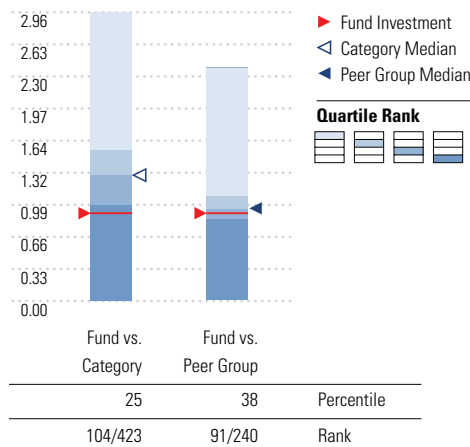
Morningstar Investment Management LLC Analysis

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

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	0.98	-	-0.99
Beta	0.99	-	0.99
R-Squared	95.25	-	94.06
Standard Deviation	17.91	17.67	17.95
Sharpe Ratio	0.40	0.35	0.29
Tracking Error	3.91	-	4.40
Information Ratio	0.23	-	-0.30
Up Capture Ratio	102.21	-	95.42
Down Capture Ratio	98.67	-	100.00

Portfolio Metrics

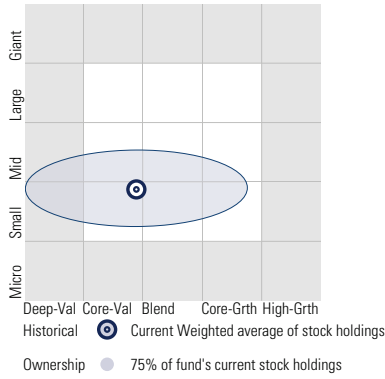
	Fund	Bmark	Cat
Price/Earnings Ratio	14.70	13.72	15.37
Price/Book Ratio	1.52	1.28	1.47
Geom Avg Mkt Cap \$B	3.08	1.55	2.70
ROE	13.33	6.79	9.76

Delaware Small Cap Value Instl DEVIX

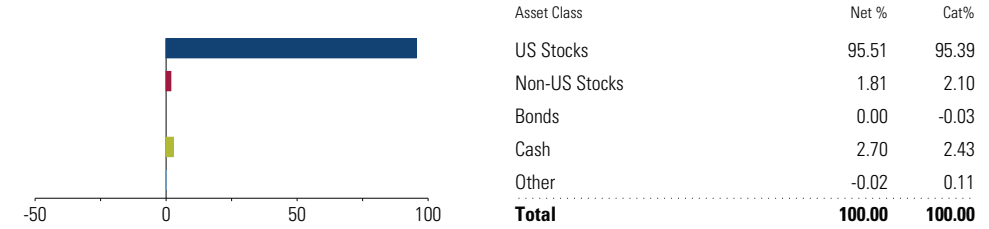
Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

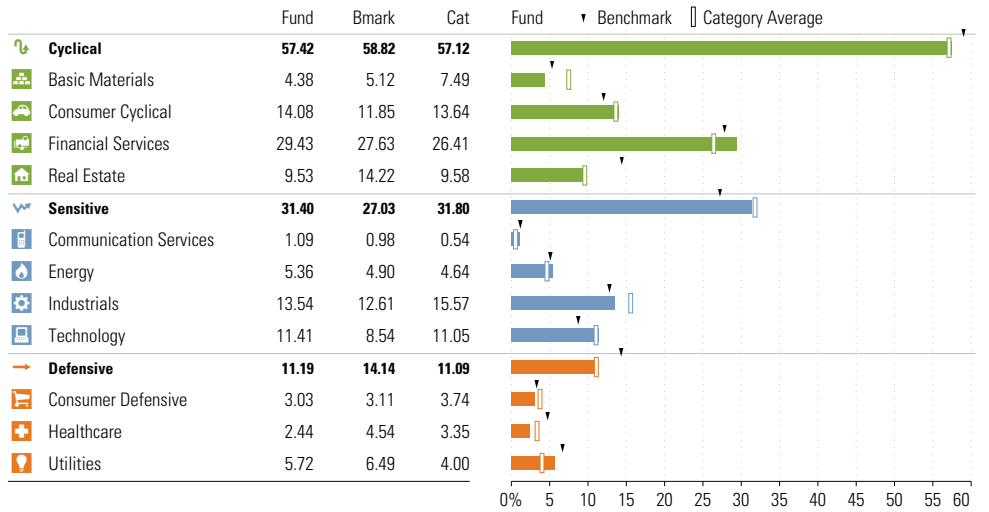
Style Analysis as of 09-30-2019
Morningstar Style Box™



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
⊖ MasTec Inc	2.95	2.95	60.08	Industrials
⊕ East West Bancorp Inc	2.45	5.39	3.54	Financial Services
⊕ IIT Inc	1.93	7.32	27.68	Industrials
⊖ Selective Insurance Group Inc	1.87	9.20	24.37	Financial Services
⊕ Hancock Whitney Corp	1.78	10.98	12.86	Financial Services
⊕ The Hanover Insurance Group Inc	1.69	12.67	21.68	Financial Services
⊕ Webster Financial Corp	1.69	14.36	-2.62	Financial Services
Outfront Media Inc	1.66	16.03	59.27	Real Estate
Stifel Financial Corp	1.60	17.63	39.62	Financial Services
Teradyne Inc	1.59	19.21	85.40	Technology
⊕ Southwest Gas Holdings Inc	1.52	20.73	21.11	Utilities
⊕ Black Hills Corp	1.45	22.18	24.63	Utilities
⊕ F N B Corp	1.43	23.61	20.83	Financial Services
Choice Hotels International Inc	1.32	24.93	24.88	Consumer Cyclical
⊕ Umpqua Holdings Corp	1.28	26.21	7.48	Financial Services

Total Holdings 112

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Federated Government Ultrashrt Dur Instl FGUSX

Morningstar Category
Ultrashort Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 22.24 years.

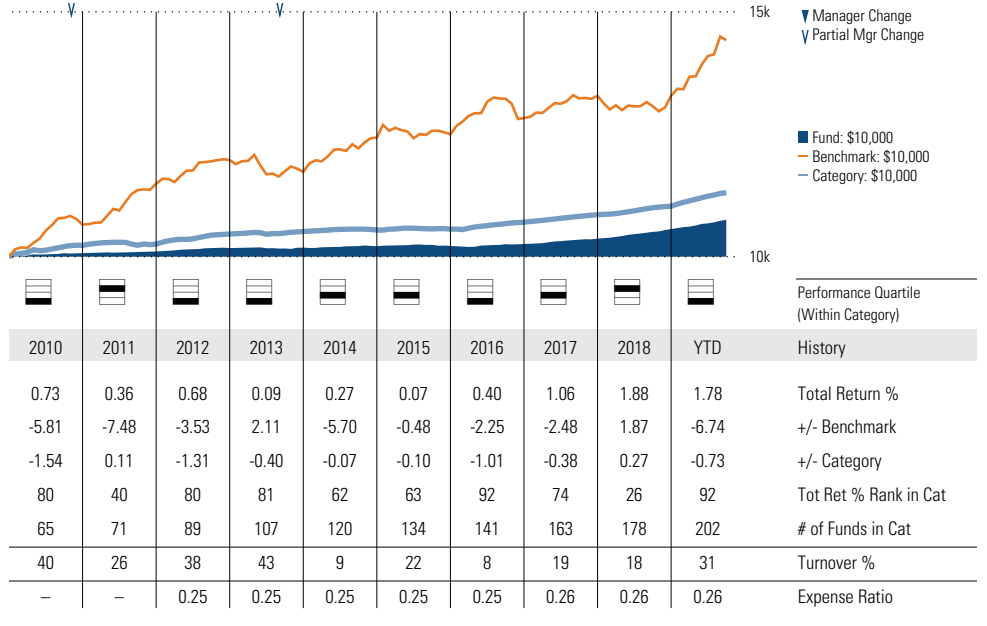
Style Consistency is not calculated for Fixed Income funds.

✔ **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.

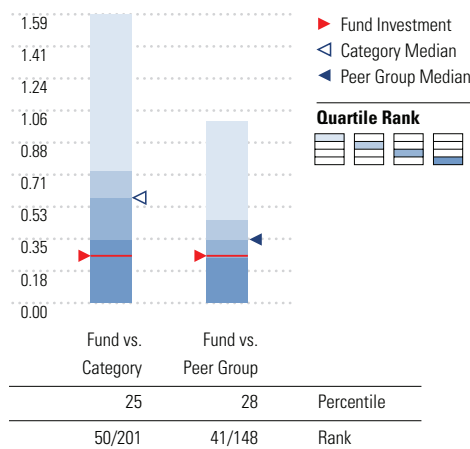
Growth of \$10,000



Trailing Performance



Net Expense



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	1.46	-	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

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

Federated Government Ultrashrt Dur Instl FGUSX

Morningstar Category
Ultrashort Bond

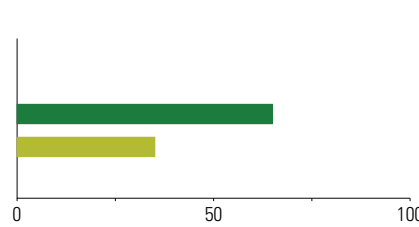
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 09-30-2019

Style Breakdown



Asset Allocation as of 09-30-2019

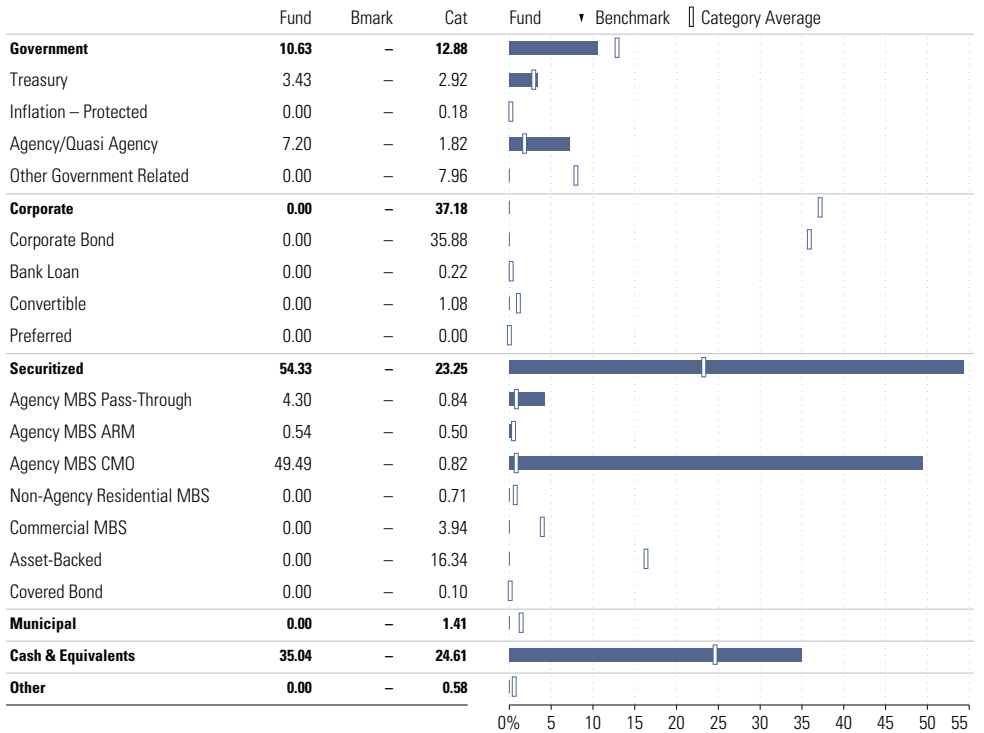


Asset Class	Net %	Cat%
US Stocks	0.00	0.01
Non-US Stocks	0.00	0.00
Bonds	64.96	77.26
Cash	35.04	21.04
Other	0.00	1.69
Total	100.00	100.00

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

Fidelity® Contrafund® FCNTX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Portfolio Manager(s)

William Danoff since 09-1990

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 29.05 years.

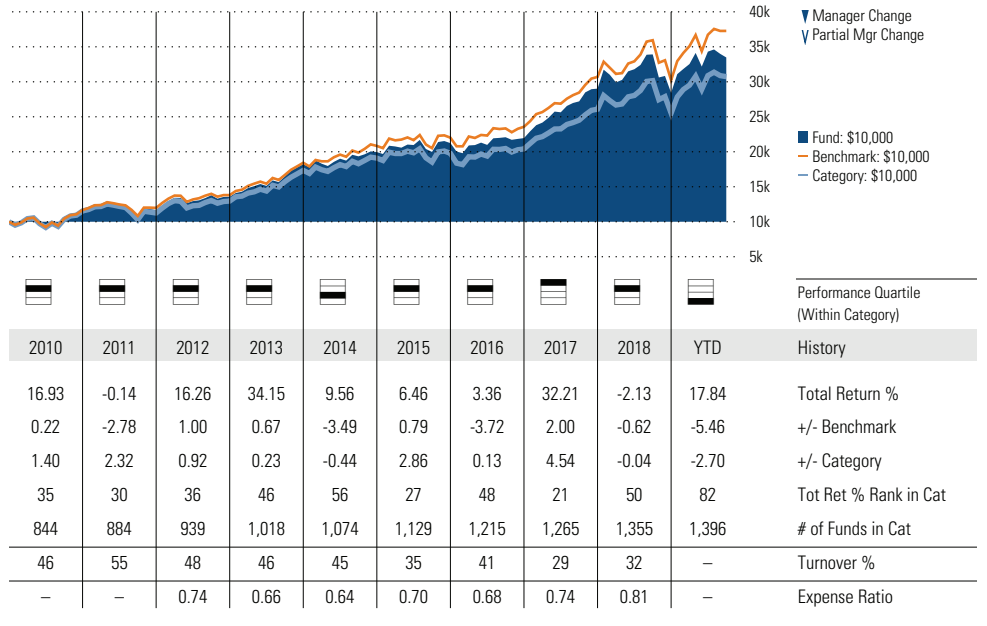
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.81 is 22.12% 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.

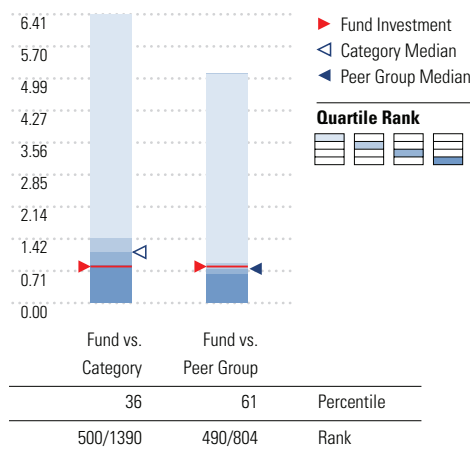
Growth of \$10,000



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	-1.93	-	-1.63
Beta	1.01	-	0.99
R-Squared	95.15	-	91.12
Standard Deviation	13.82	13.30	13.80
Sharpe Ratio	0.96	1.12	0.96
Tracking Error	3.05	-	4.12
Information Ratio	-0.66	-	-0.65
Up Capture Ratio	93.96	-	92.49
Down Capture Ratio	101.15	-	99.37

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	27.06	25.98	26.42
Price/Book Ratio	4.41	7.55	6.09
Geom Avg Mkt Cap \$B	154.04	125.13	169.04
ROE	23.84	34.85	29.93

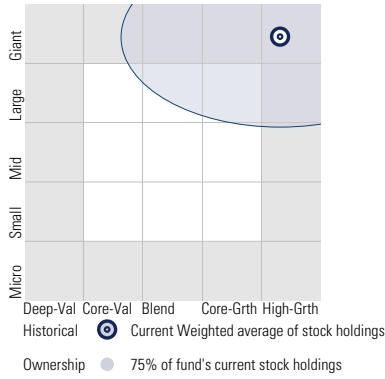
Fidelity® Contrafund® FCNTX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 09-30-2019

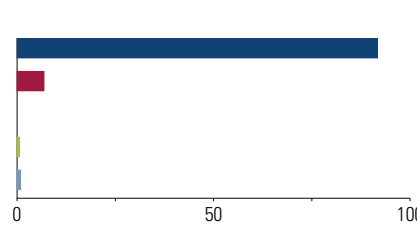
Morningstar Style Box™



Style Breakdown

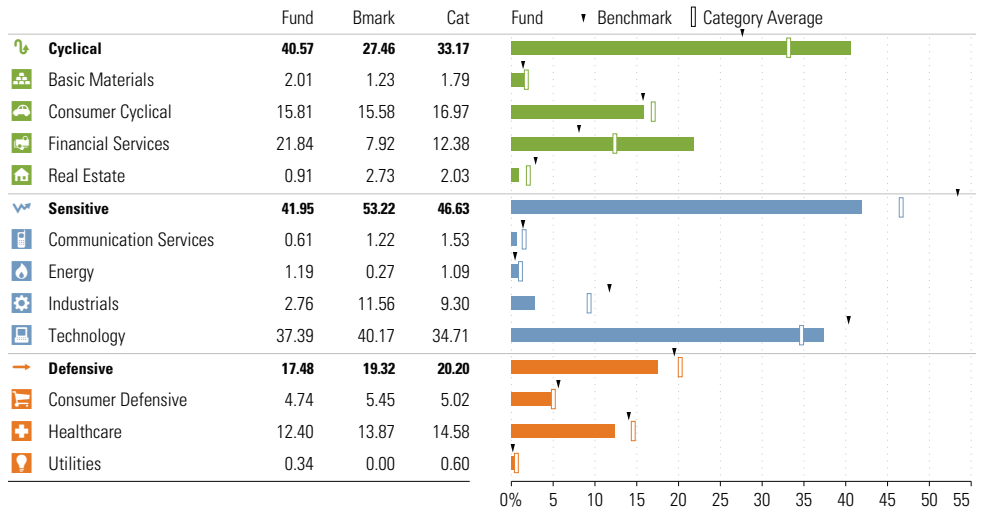


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	91.70	91.88
Non-US Stocks	6.82	5.58
Bonds	0.00	0.04
Cash	0.63	2.07
Other	0.86	0.45
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Top 15 Holdings as of 09-30-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Facebook Inc A	6.85	6.85	35.85	Technology
Amazon.com Inc	6.74	13.59	15.58	Consumer Cyclical
Berkshire Hathaway Inc A	5.38	18.97	1.91	Financial Services
Microsoft Corp	5.22	24.19	38.24	Technology
Visa Inc Class A	3.83	28.02	30.94	Financial Services
Salesforce.com Inc	3.72	31.74	8.37	Technology
Alphabet Inc A	2.72	34.46	16.86	Technology
Adobe Inc	2.67	37.13	22.10	Technology
Mastercard Inc A	2.51	39.65	44.48	Financial Services
Alphabet Inc Class C	2.47	42.11	17.71	Technology
UnitedHealth Group Inc	2.41	44.53	-11.54	Healthcare
Netflix Inc	1.97	46.50	-0.01	Consumer Cyclical
PayPal Holdings Inc	1.95	48.44	23.19	Financial Services
Apple Inc	1.85	50.30	43.43	Technology
Amphenol Corp Class A	1.69	51.99	19.98	Technology

Total Holdings 309

⊕ 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.

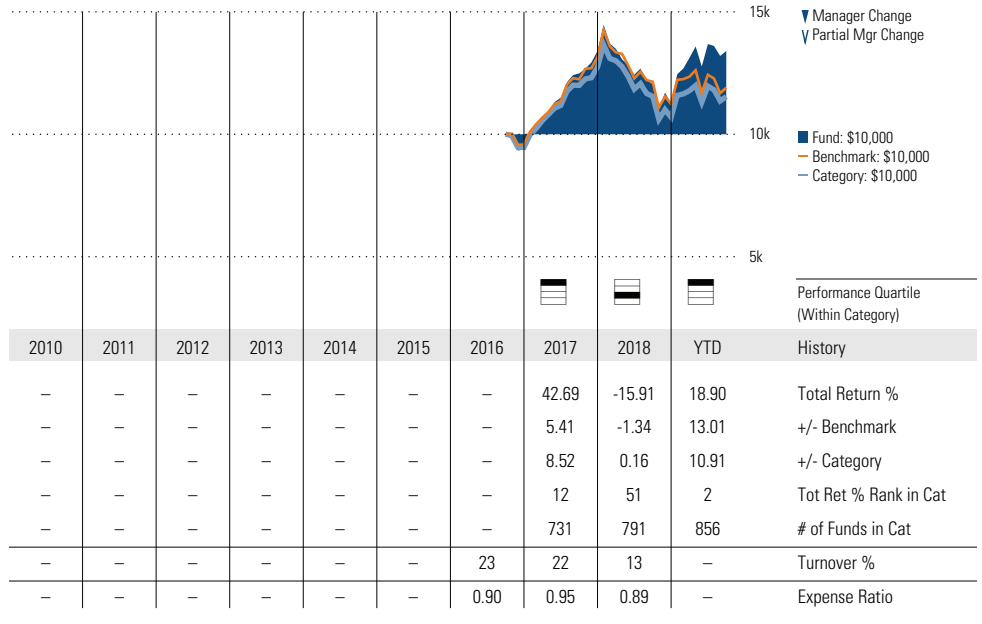
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

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

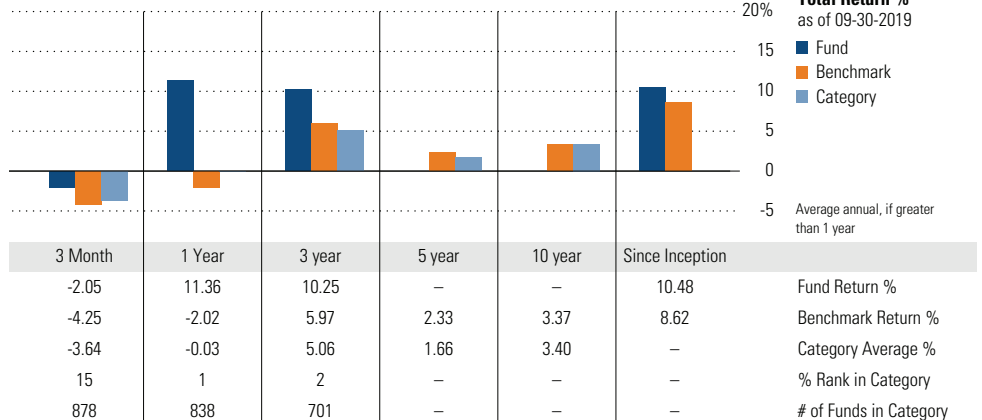
Morningstar Investment Management LLC Analysis

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.

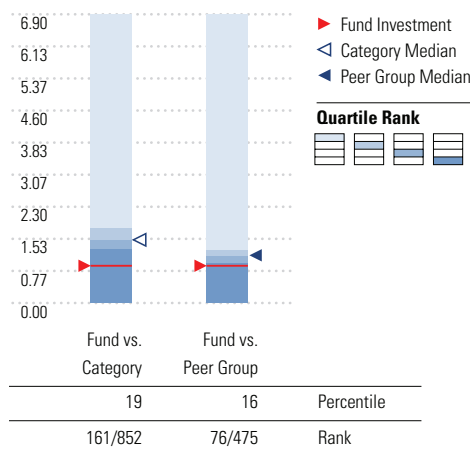
Growth of \$10,000



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

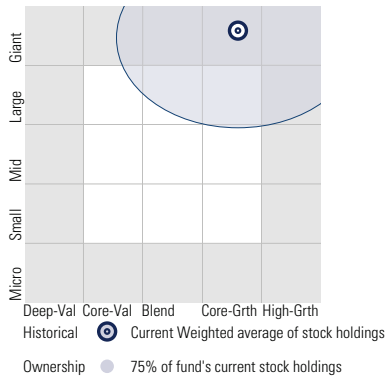
JPMorgan Emerging Markets Equity R5 JEMOX

Morningstar Category
Diversified Emerging Mkts

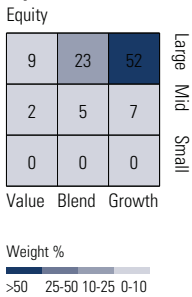
Morningstar Index
MSCI EM NR USD

Style Analysis as of 09-30-2019

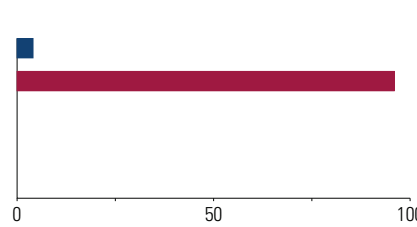
Morningstar Style Box™



Style Breakdown

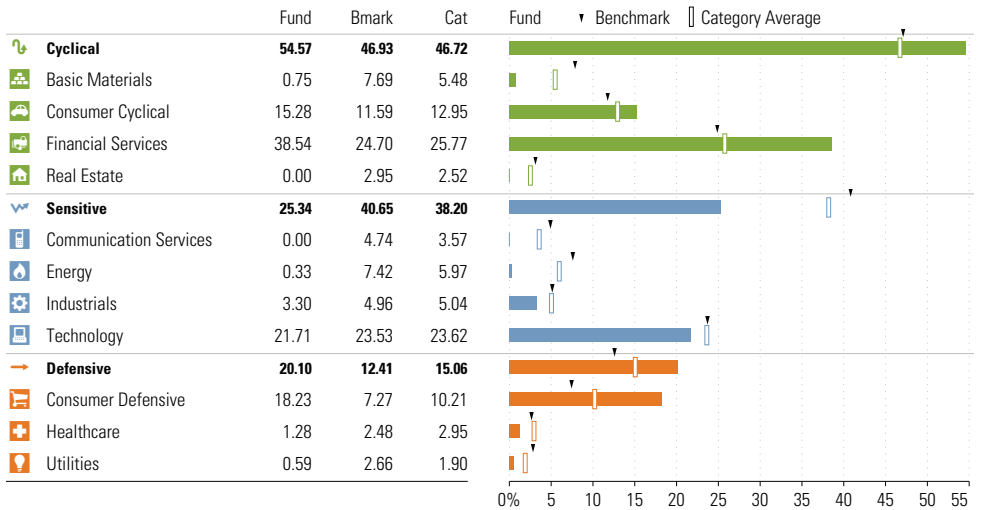


Asset Allocation as of 09-30-2019

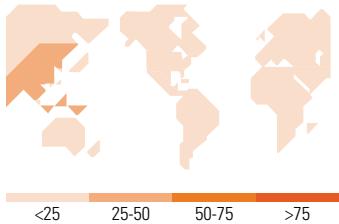


Asset Class	Net %	Cat%
US Stocks	4.05	2.32
Non-US Stocks	95.95	95.27
Bonds	0.00	0.46
Cash	0.00	1.63
Other	0.00	0.31
Total	100.00	100.00

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	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.

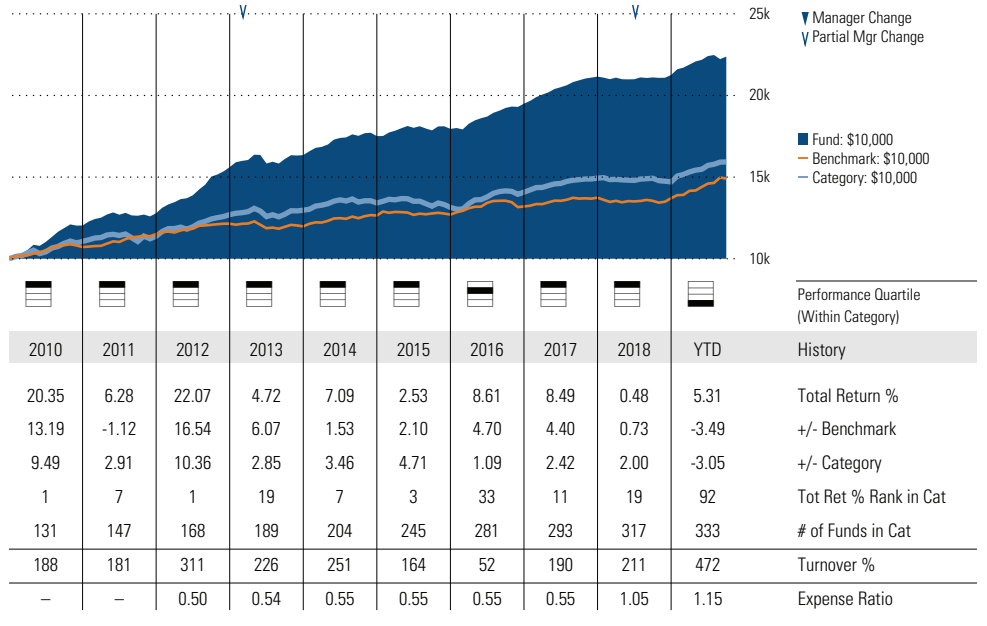
Style Consistency is not calculated for Fixed Income funds.

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

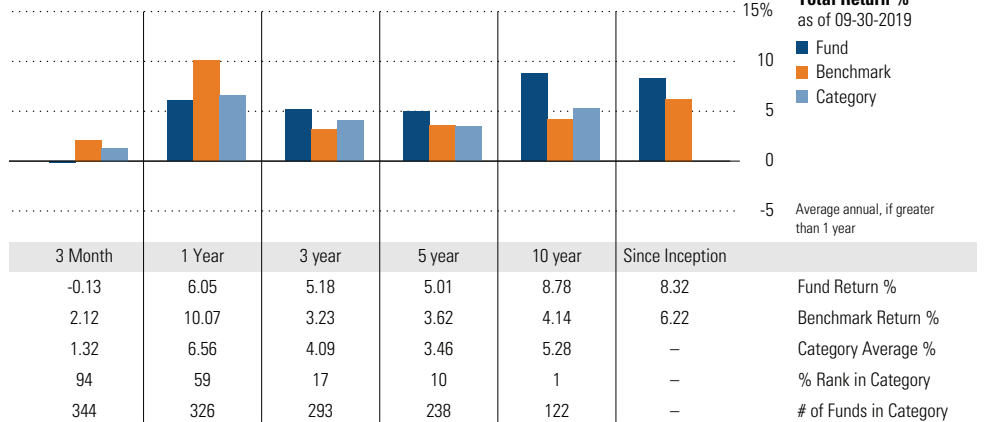
Morningstar Investment Management LLC Analysis

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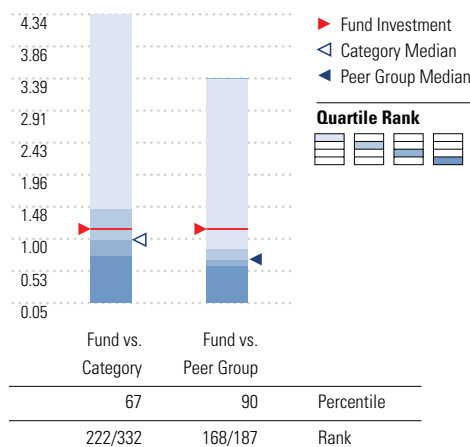
Growth of \$10,000



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

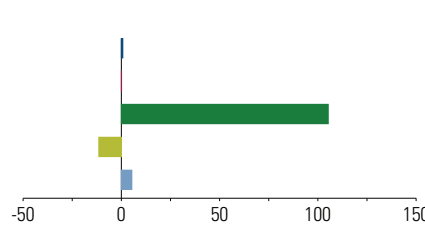
Morningstar Index
BBgBarc US Universal TR USD

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
Total	100.00	100.00

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
Government	26.45	-	14.56			
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			
Corporate	8.05	-	29.04			
Corporate Bond	5.21	-	24.92			
Bank Loan	1.32	-	2.09			
Convertible	1.51	-	1.64			
Preferred	0.01	-	0.39			
Securitized	25.81	-	30.54			
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			
Municipal	0.05	-	0.79			
Cash & Equivalents	24.39	-	23.85			
Other	13.42	-	0.79			

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.

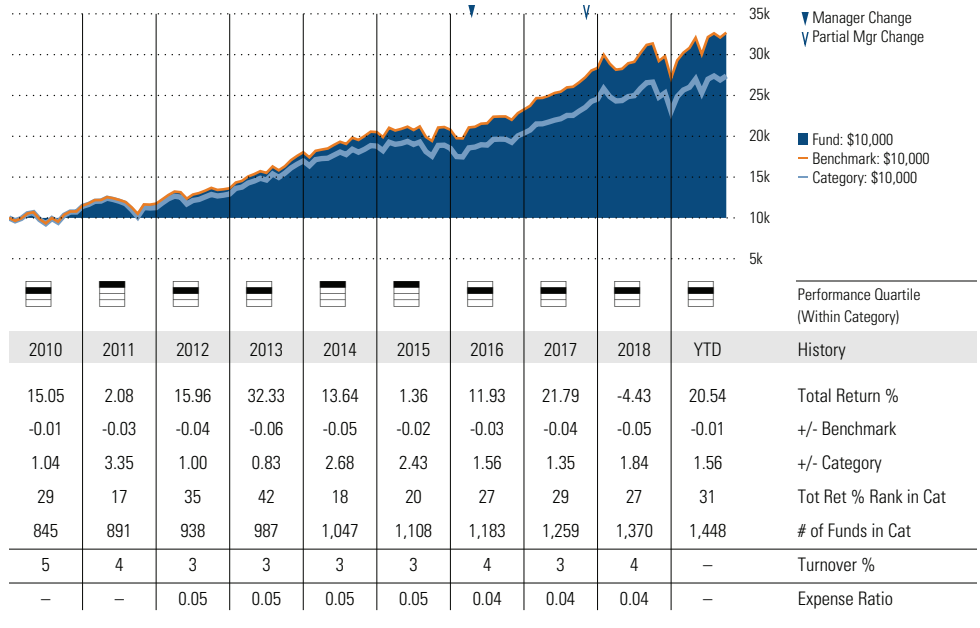
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

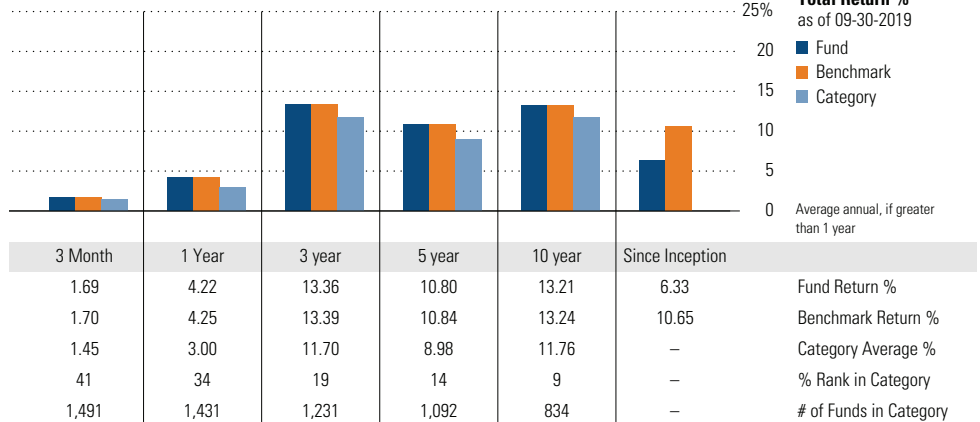
Morningstar Investment Management LLC Analysis

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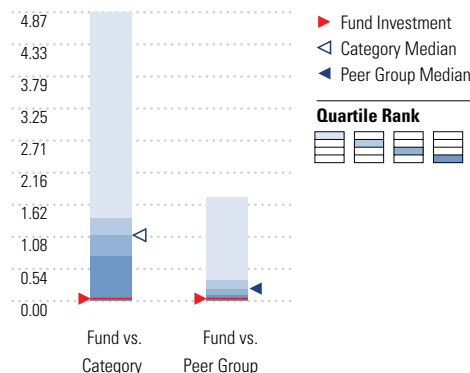
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.03	-	-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

	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

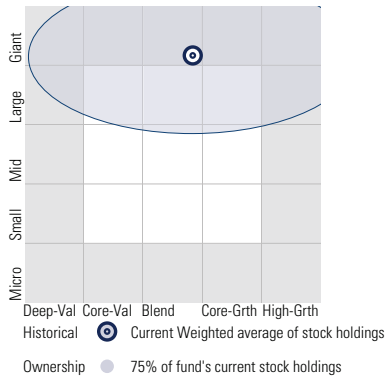
Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Style Analysis as of 09-30-2019

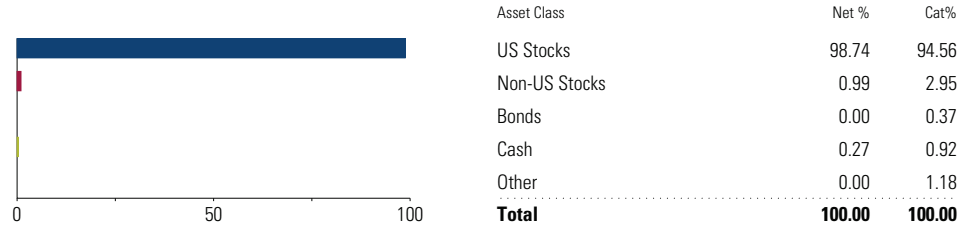
Morningstar Style Box™



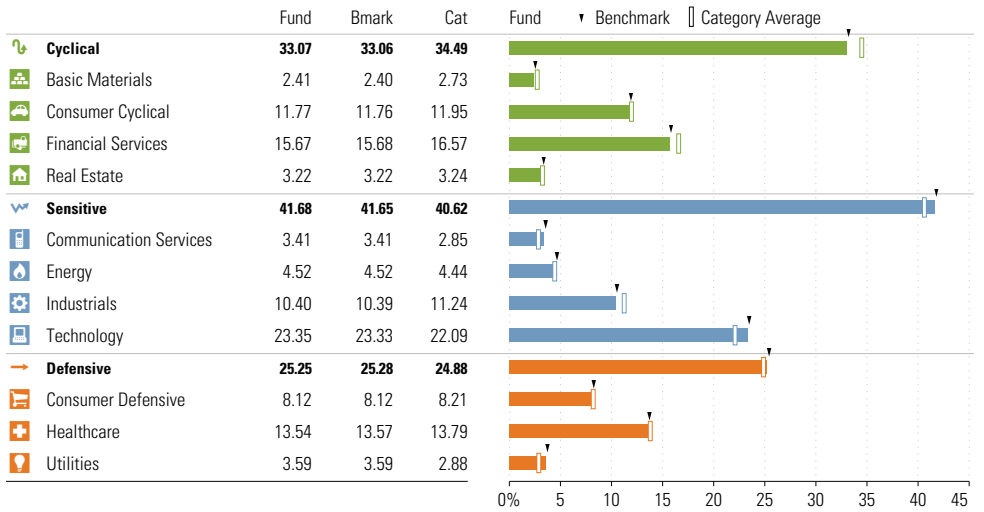
Style Breakdown



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.

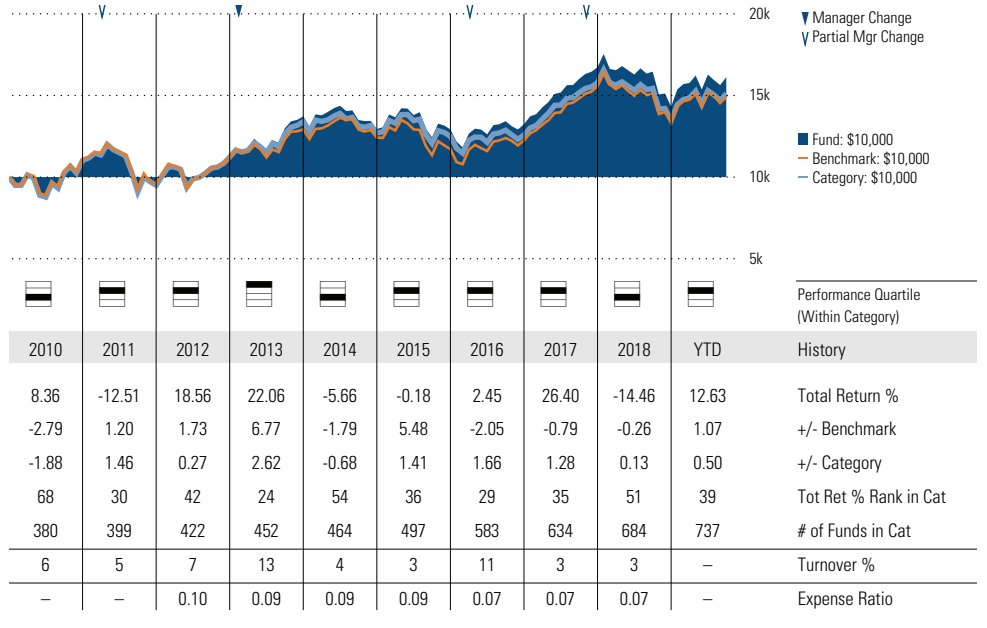
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 92.93% lower than the Foreign Large Blend category average.

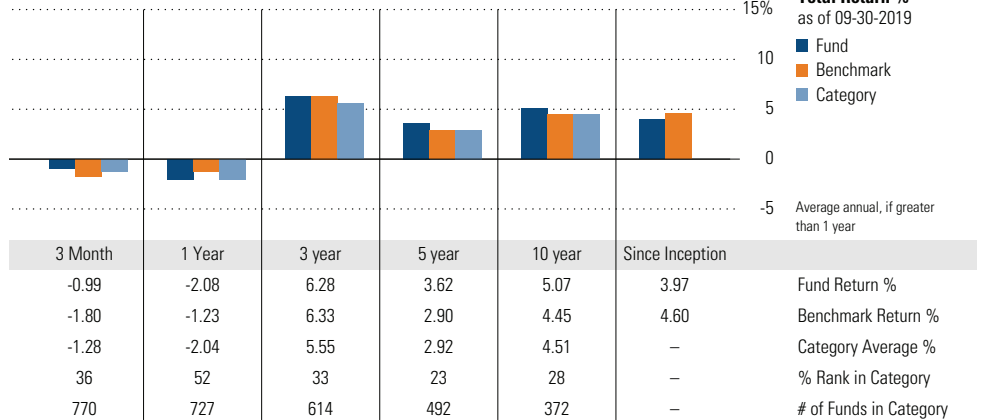
Morningstar Investment Management LLC Analysis

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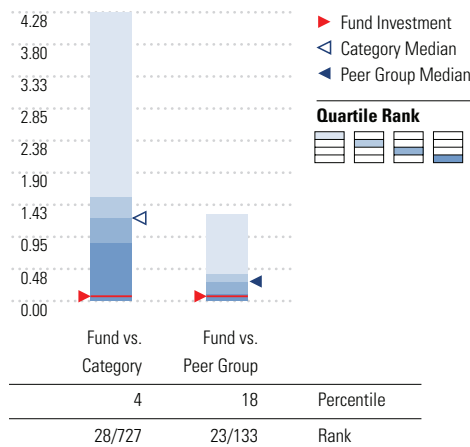
Growth of \$10,000



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

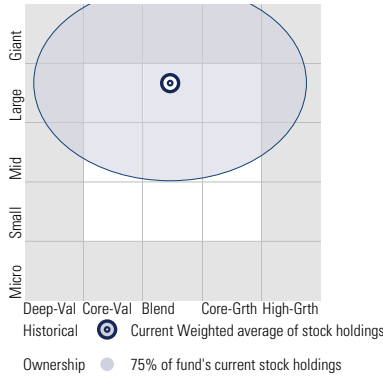
Vanguard Developed Markets Index Admiral VTMGX

Morningstar Category
Foreign Large Blend

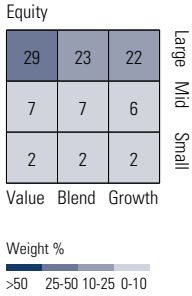
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 09-30-2019

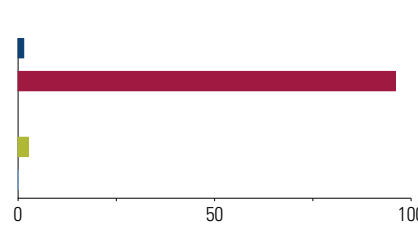
Morningstar Style Box™



Style Breakdown

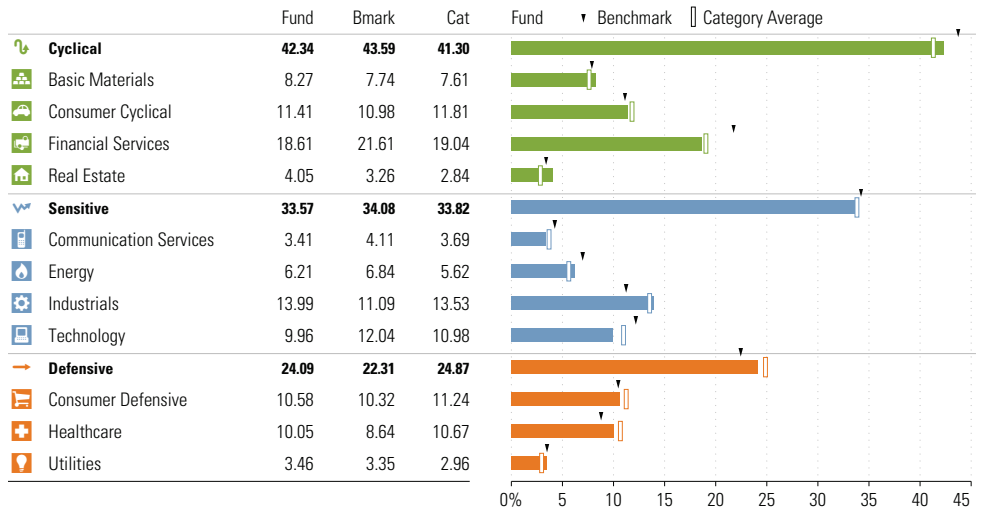


Asset Allocation as of 09-30-2019



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
Total	100.00	100.00

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 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.

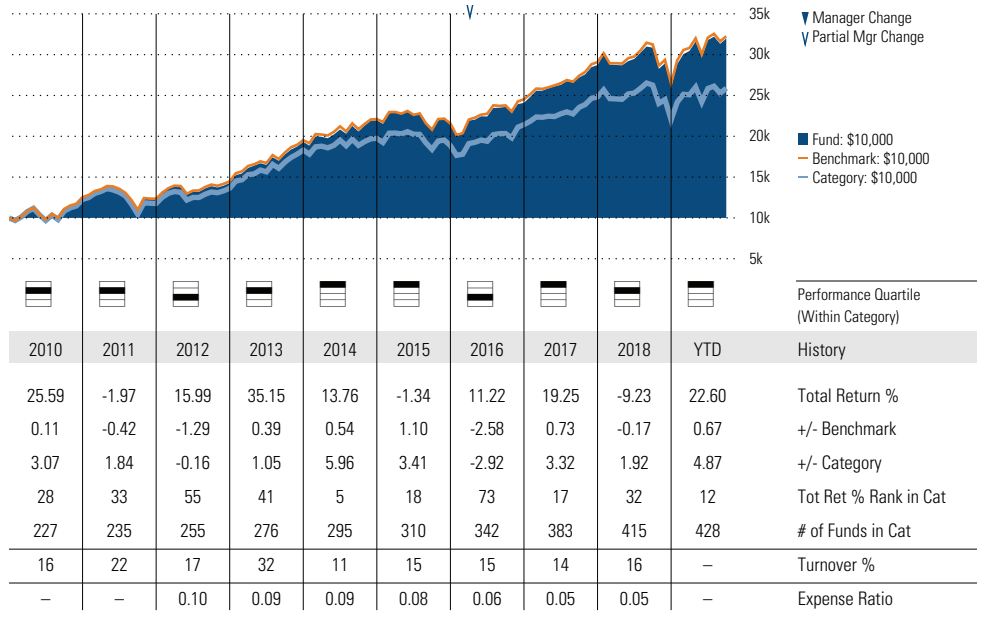
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

✔ **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

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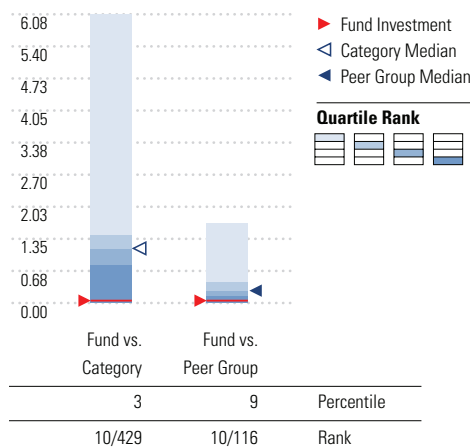
Growth of \$10,000



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	0.11	-	-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

	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

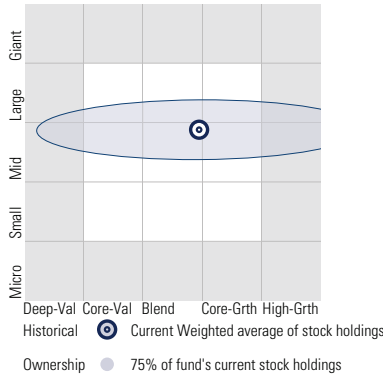
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

Style Analysis as of 09-30-2019

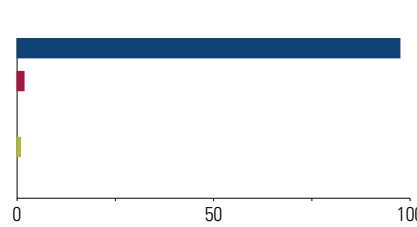
Morningstar Style Box™



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
Total	100.00	100.00

Sector Weighting as of 09-30-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	41.56	42.00	45.10			
Basic Materials	4.61	4.22	5.33			
Consumer Cyclical	14.78	13.92	14.31			
Financial Services	12.40	12.83	16.09			
Real Estate	9.77	11.03	9.37			
Sensitive	37.21	36.47	36.56			
Communication Services	1.42	0.94	1.27			
Energy	4.31	3.95	3.39			
Industrials	11.87	14.16	13.64			
Technology	19.61	17.42	18.26			
Defensive	21.24	21.53	18.35			
Consumer Defensive	4.30	5.37	4.33			
Healthcare	9.76	9.07	9.69			
Utilities	7.18	7.09	4.33			

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.

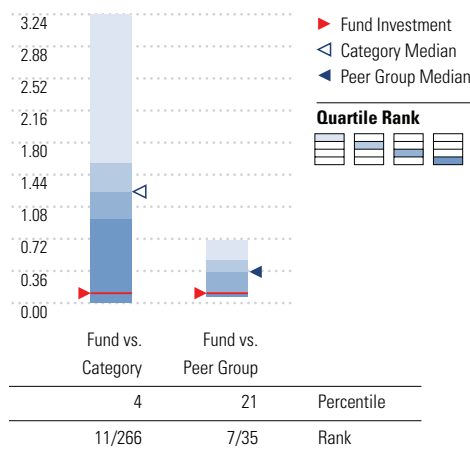
Growth of \$10,000



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

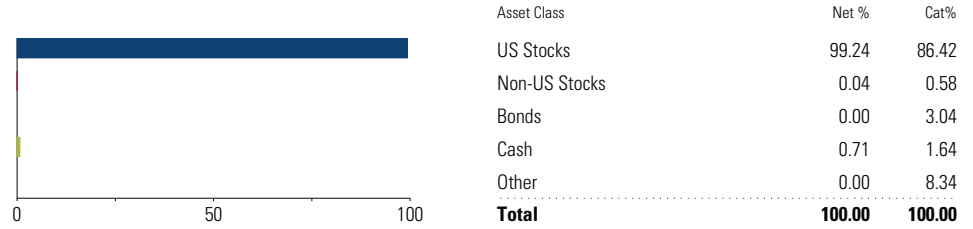
Morningstar Style Box™



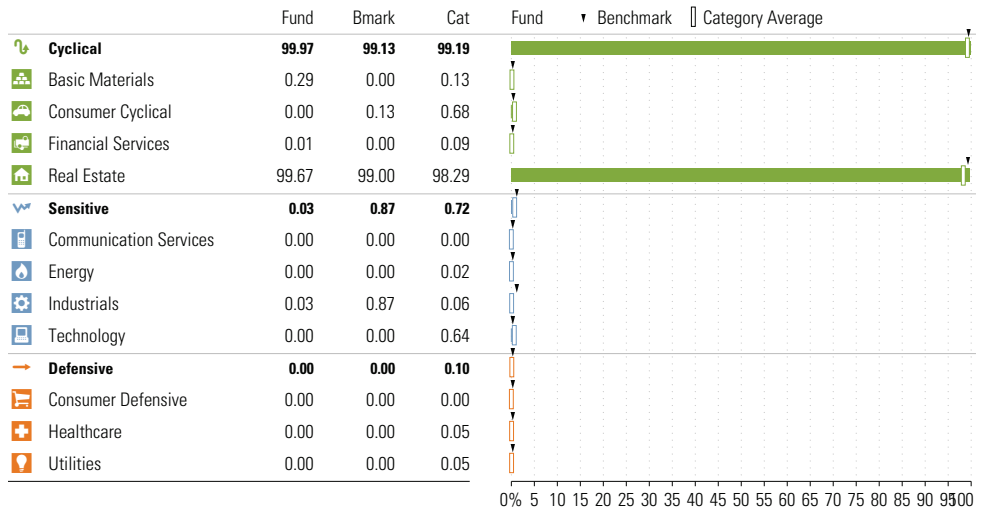
Style Breakdown



Asset Allocation as of 09-30-2019



Sector Weighting as of 09-30-2019



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 Target Retirement 2015 Inv VTXVX

Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

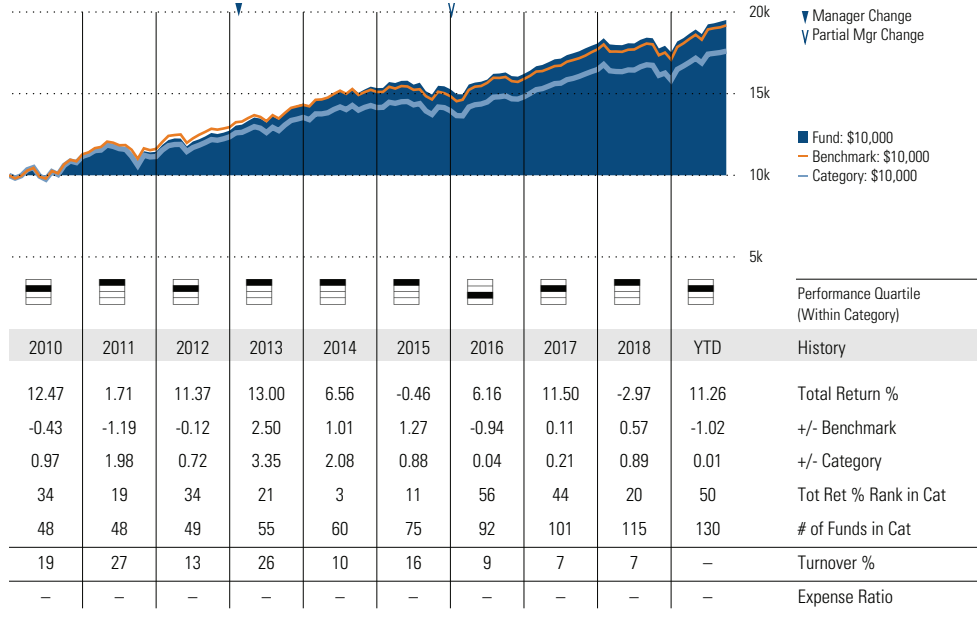
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 80.6% lower than the Target-Date 2015 category average.

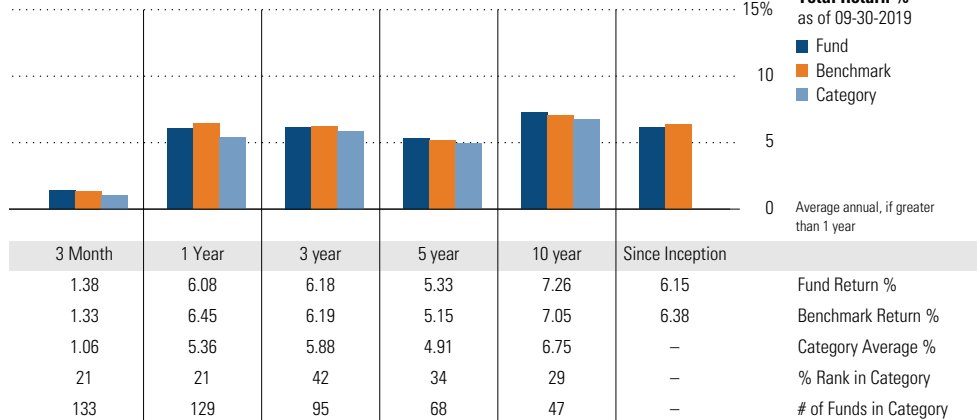
Morningstar Investment Management LLC Analysis

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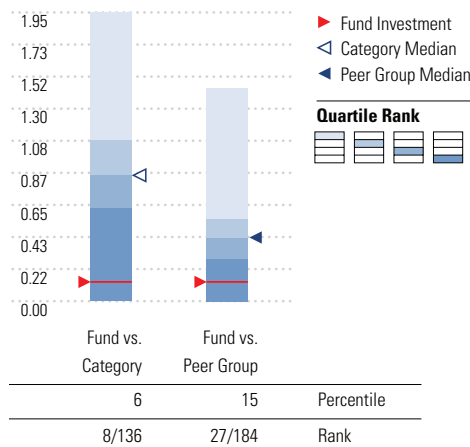
Growth of \$10,000



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	0.61	-	-0.19
Beta	0.90	-	0.97
R-Squared	98.91	-	95.51
Standard Deviation	4.71	5.23	5.21
Sharpe Ratio	0.96	0.87	0.80
Tracking Error	0.74	-	1.16
Information Ratio	-0.01	-	-0.27
Up Capture Ratio	94.83	-	95.13
Down Capture Ratio	87.78	-	96.58

Portfolio Metrics

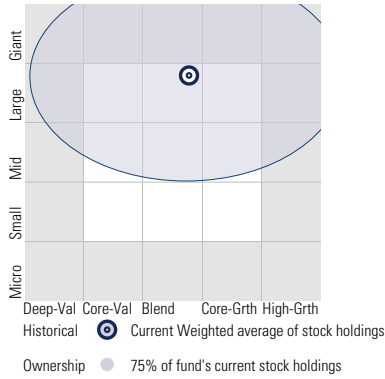
	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	17.69	18.05
Price/Book Ratio	2.17	2.14	2.28
Avg Eff Duration	5.99	-	4.51

Vanguard Target Retirement 2015 Inv VTXVX

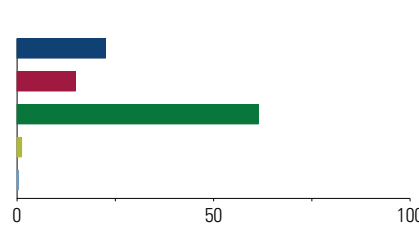
Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

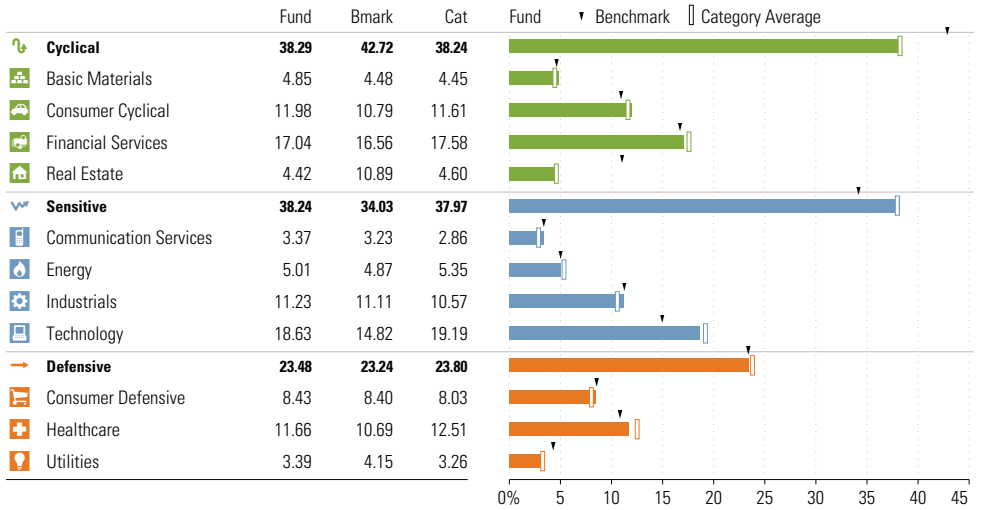


Asset Allocation as of 09-30-2019

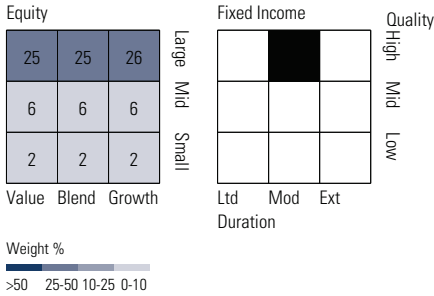


Asset Class	Net %	Cat%
US Stocks	22.47	25.80
Non-US Stocks	14.77	14.69
Bonds	61.33	51.70
Cash	1.14	5.95
Other	0.30	1.86
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 6 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	-	34.07	34.07	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	22.67	56.74	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	15.16	71.90	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	15.05	86.95	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	13.05	100.00	-	-
⊖ Cmt Market Liquidity Rate	-	0.00	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2020 Inv VTWNX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

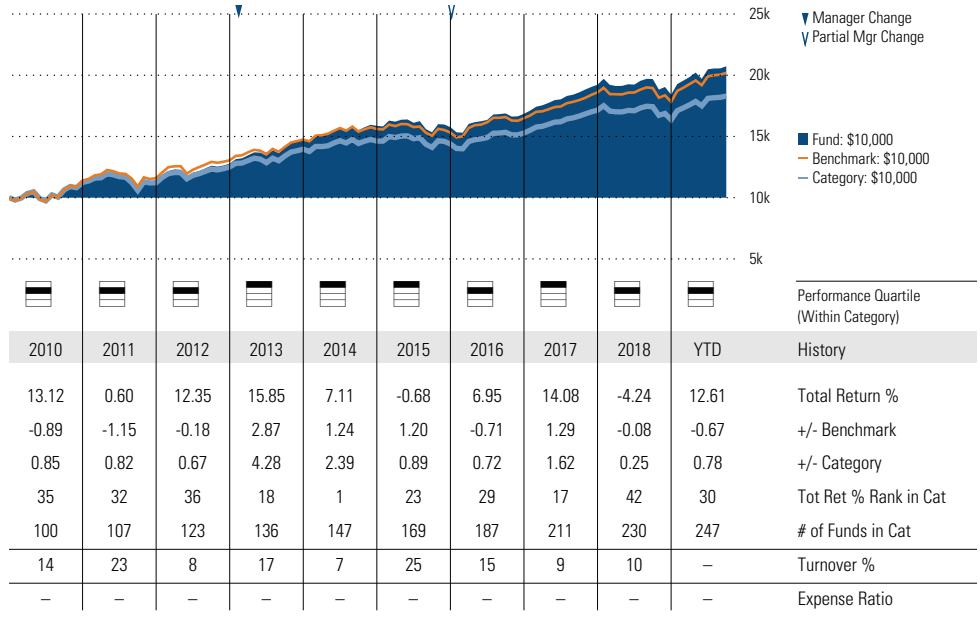
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

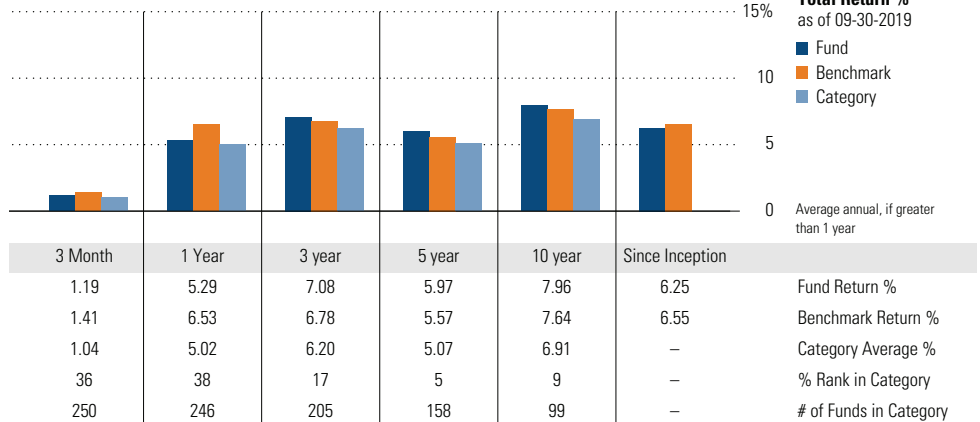
Morningstar Investment Management LLC Analysis

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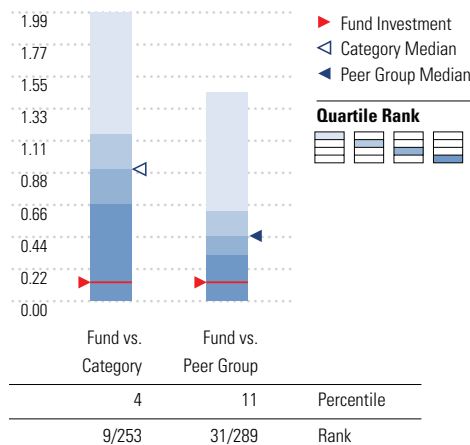
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.07	-	-0.25
Beta	1.03	-	0.92
R-Squared	98.23	-	93.65
Standard Deviation	6.10	5.85	5.53
Sharpe Ratio	0.89	0.88	0.78
Tracking Error	0.84	-	1.51
Information Ratio	0.36	-	-0.46
Up Capture Ratio	104.52	-	90.01
Down Capture Ratio	104.72	-	92.76

Portfolio Metrics

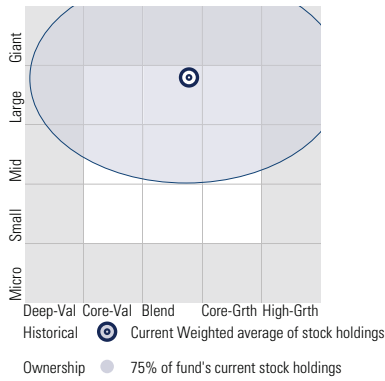
	Fund	Bmark	Cat
Price/Earnings Ratio	17.59	17.58	18.38
Price/Book Ratio	2.17	2.12	2.35
Avg Eff Duration	6.31	-	6.22

Vanguard Target Retirement 2020 Inv VTWNX

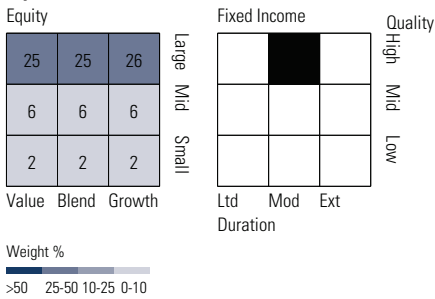
Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

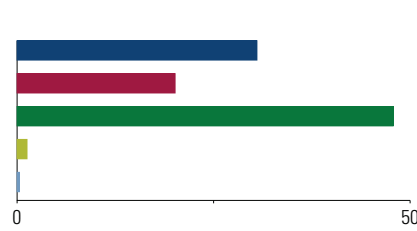
Style Analysis as of 09-30-2019
Morningstar Style Box™



Style Breakdown

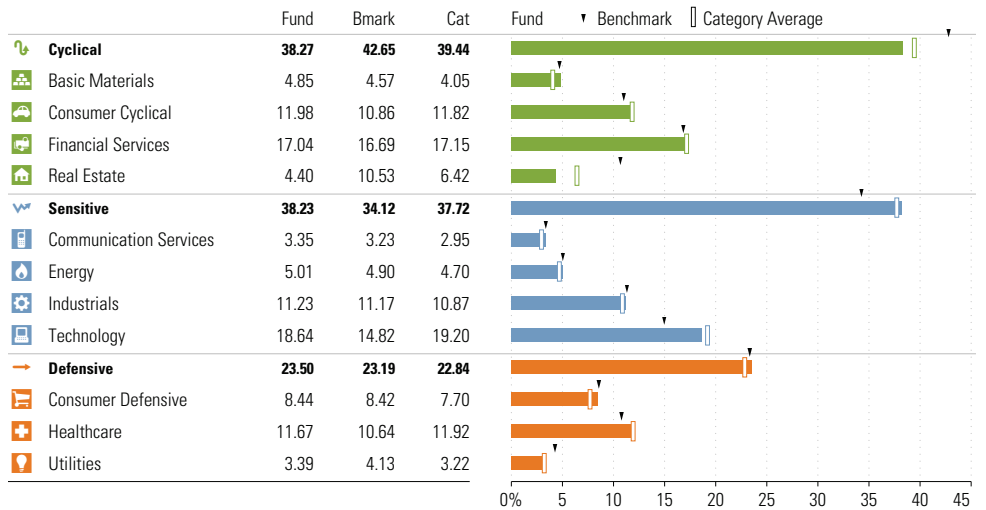


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	30.51	27.74
Non-US Stocks	20.10	12.68
Bonds	47.84	52.55
Cash	1.26	4.57
Other	0.29	2.47
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Top 6 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	30.78	30.78	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	29.19	59.97	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	20.63	80.60	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	12.83	93.44	-	-
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	6.54	99.98	-	-
⊕ Cmt Market Liquidity Rate	-	0.02	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

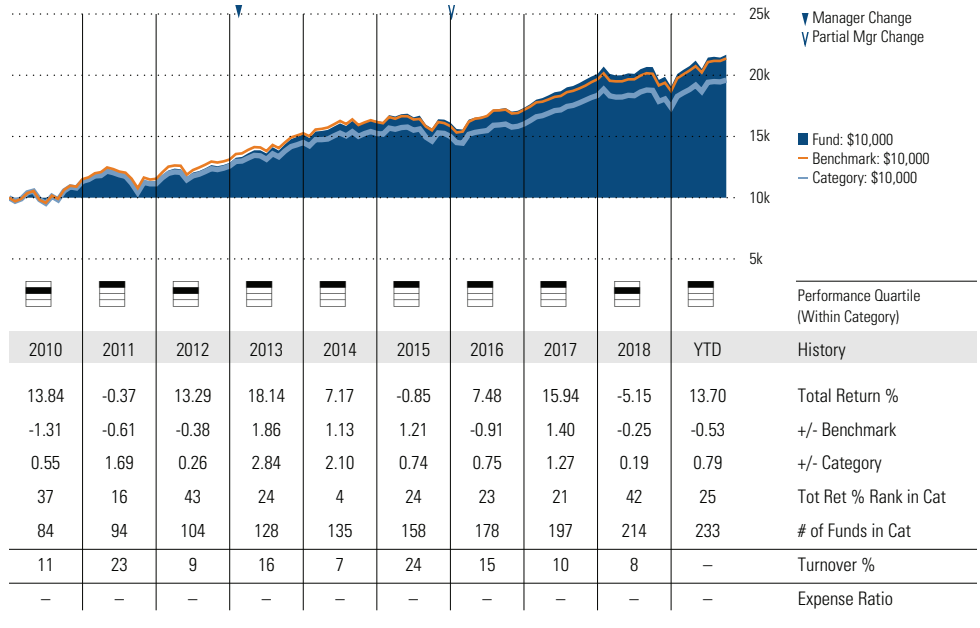
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 82.43% lower than the Target-Date 2025 category average.

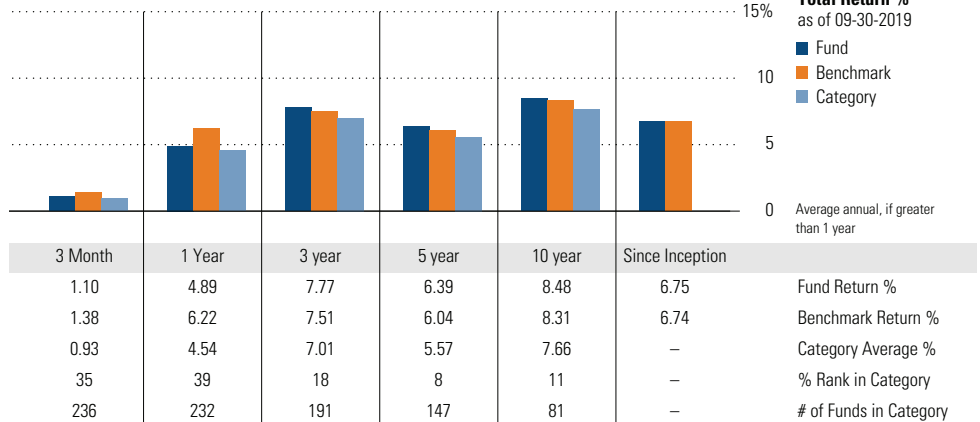
Morningstar Investment Management LLC Analysis

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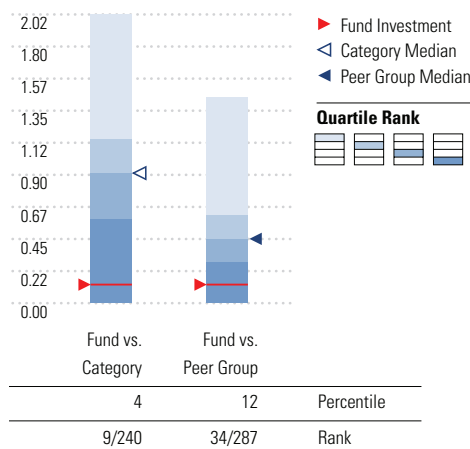
Growth of \$10,000



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	-0.18	-	-0.47
Beta	1.06	-	0.99
R-Squared	98.59	-	96.65
Standard Deviation	7.13	6.67	6.69
Sharpe Ratio	0.86	0.88	0.79
Tracking Error	0.94	-	1.36
Information Ratio	0.27	-	-0.45
Up Capture Ratio	106.71	-	96.48
Down Capture Ratio	110.99	-	102.40

Portfolio Metrics

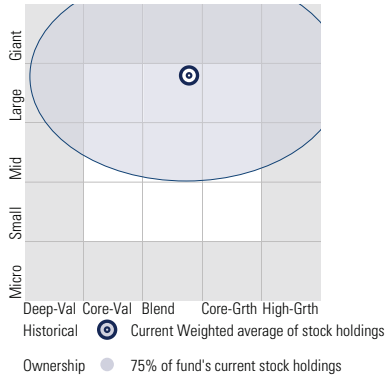
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	17.46	18.20
Price/Book Ratio	2.17	2.09	2.30
Avg Eff Duration	6.86	-	6.28

Vanguard Target Retirement 2025 Inv VTTVX

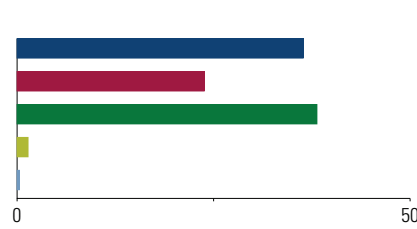
Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

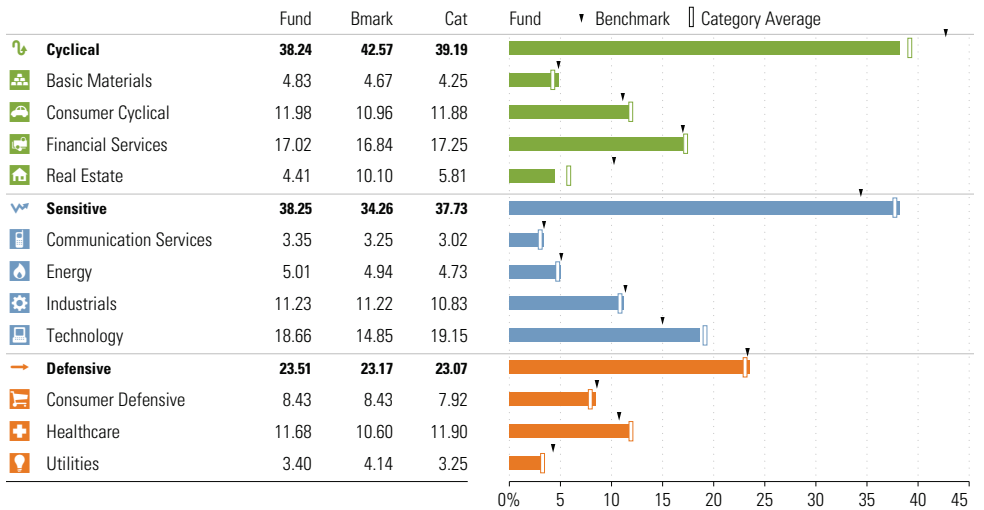


Asset Allocation as of 09-30-2019

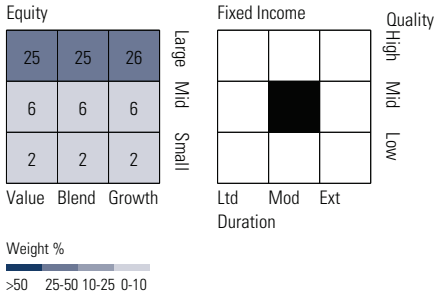


Asset Class	Net %	Cat%
US Stocks	36.39	34.59
Non-US Stocks	23.80	17.91
Bonds	38.14	40.17
Cash	1.39	3.56
Other	0.29	3.78
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	36.71	36.71	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	27.25	63.96	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	24.43	88.39	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	11.56	99.95	—	—
⊕ Cmt Market Liquidity Rate	—	0.05	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2030 Inv VTHR

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

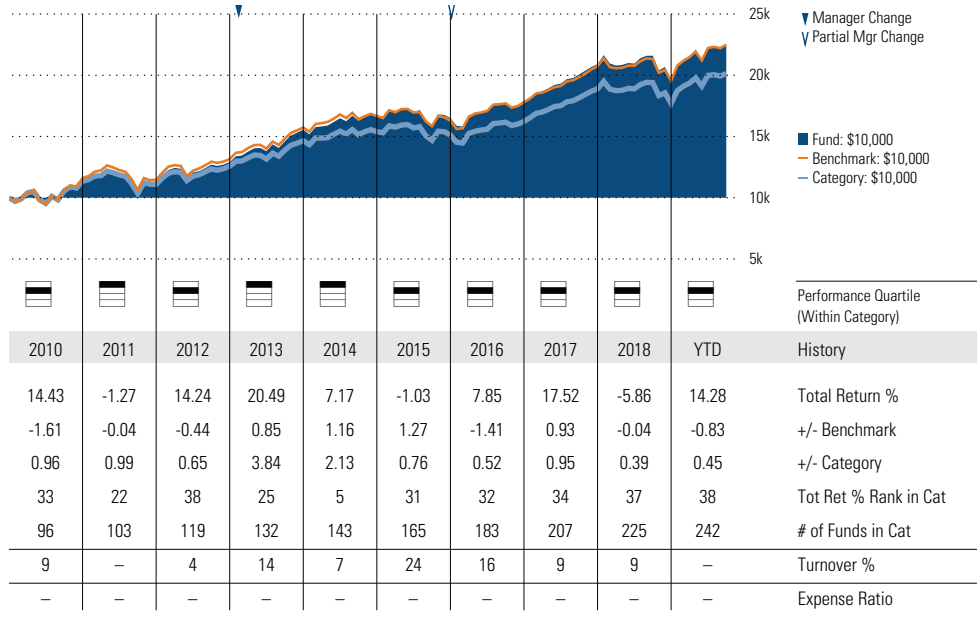
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.05% lower than the Target-Date 2030 category average.

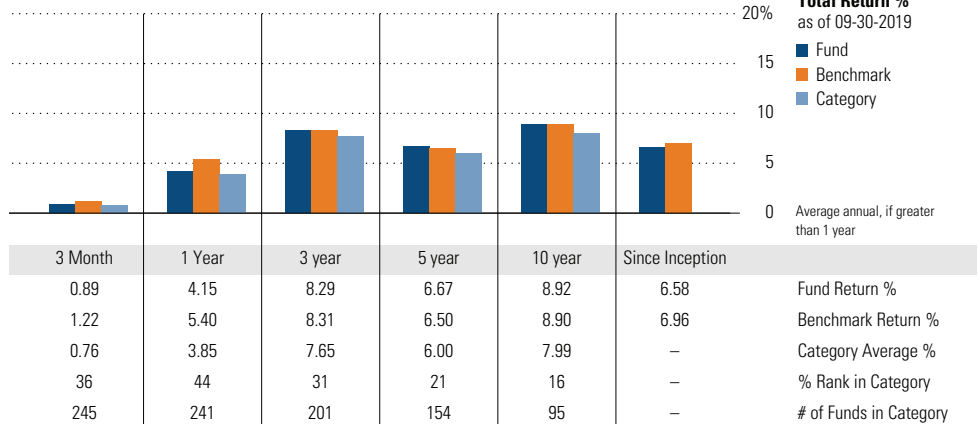
Morningstar Investment Management LLC Analysis

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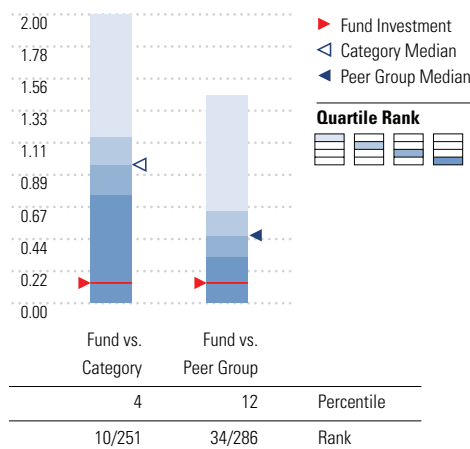
Growth of \$10,000



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	-0.19	-	-0.62
Beta	1.02	-	0.98
R-Squared	99.08	-	96.14
Standard Deviation	7.98	7.77	7.78
Sharpe Ratio	0.84	0.86	0.76
Tracking Error	0.78	-	1.48
Information Ratio	-0.03	-	-0.50
Up Capture Ratio	102.41	-	95.88
Down Capture Ratio	105.51	-	102.42

Portfolio Metrics

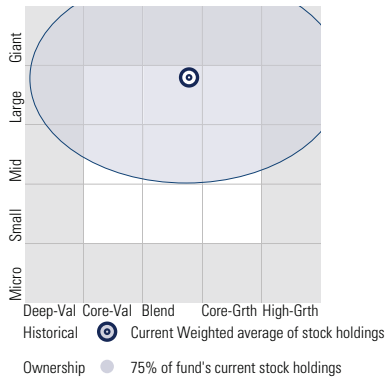
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	17.33	18.10
Price/Book Ratio	2.17	2.07	2.27
Avg Eff Duration	6.86	-	6.38

Vanguard Target Retirement 2030 Inv VTHR

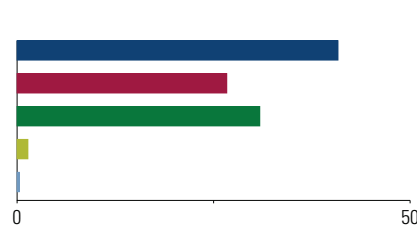
Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

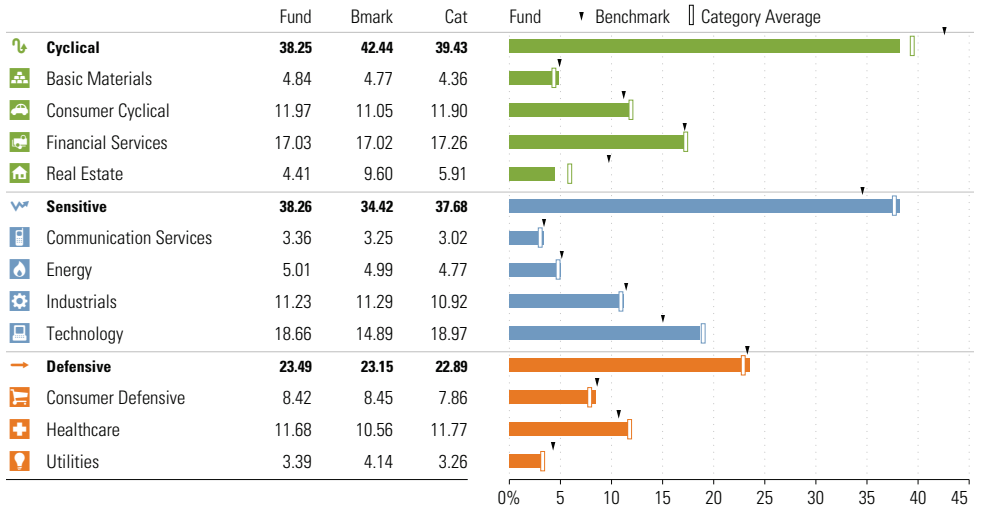


Asset Allocation as of 09-30-2019

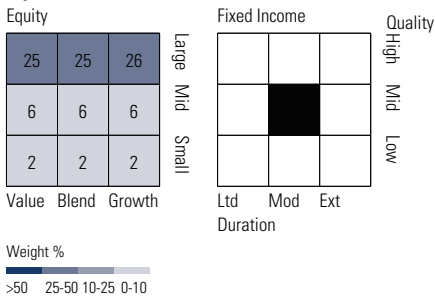


Asset Class	Net %	Cat%
US Stocks	40.82	41.63
Non-US Stocks	26.67	22.54
Bonds	30.87	29.51
Cash	1.37	2.98
Other	0.27	3.35
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	41.19	41.19	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	27.37	68.56	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	22.07	90.63	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	9.35	99.98	-	-
⊖ Cmt Market Liquidity Rate	-	0.02	100.00	-	-

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2035 Inv VTTHX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

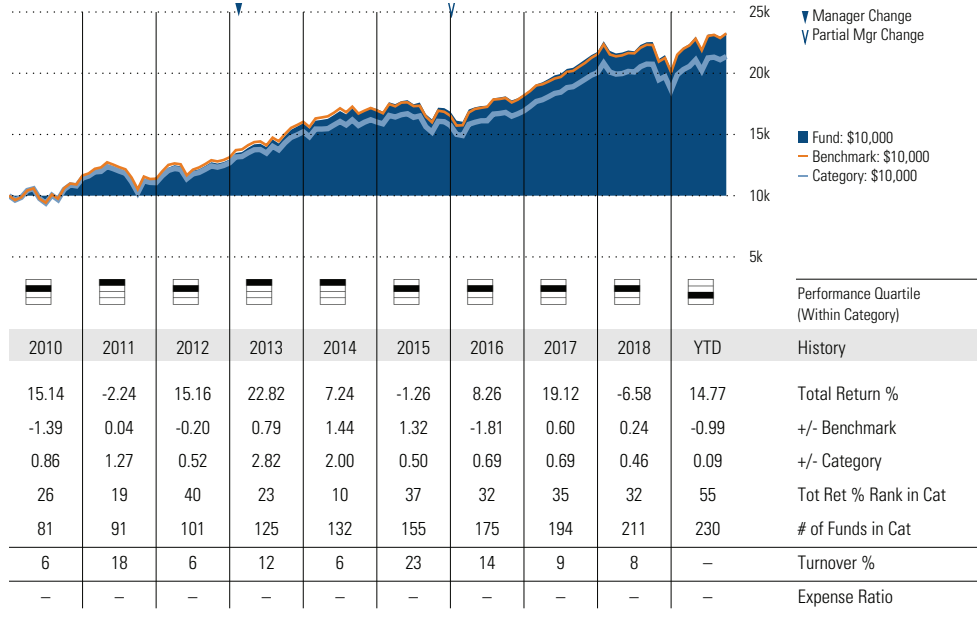
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 81.82% lower than the Target-Date 2035 category average.

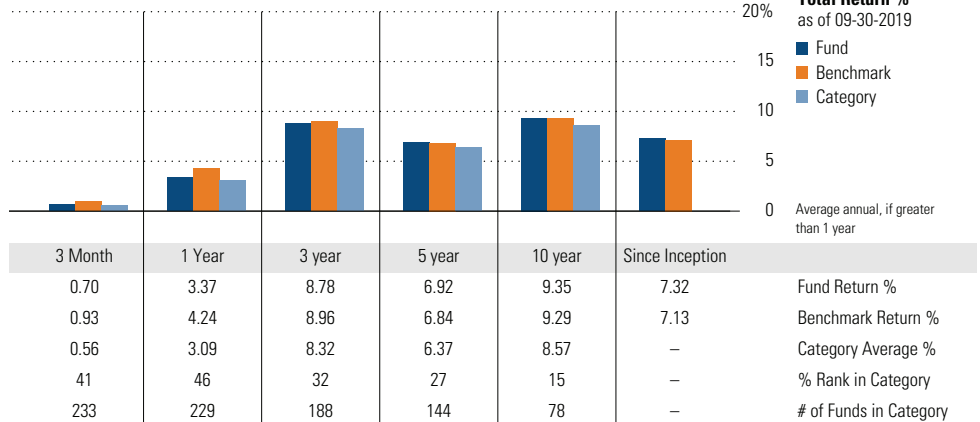
Morningstar Investment Management LLC Analysis

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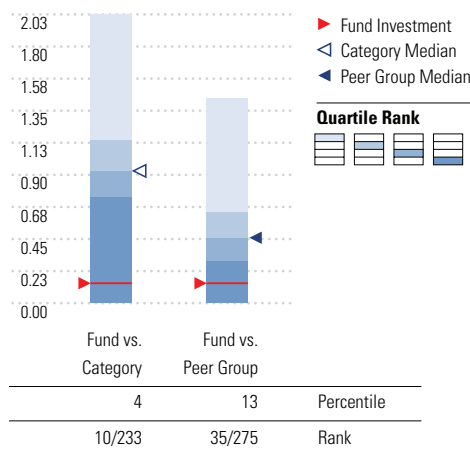
Growth of \$10,000



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	-0.02	-	-0.52
Beta	0.98	-	0.99
R-Squared	99.30	-	98.11
Standard Deviation	8.83	8.95	8.90
Sharpe Ratio	0.82	0.82	0.76
Tracking Error	0.75	-	1.32
Information Ratio	-0.23	-	-0.53
Up Capture Ratio	98.84	-	96.38
Down Capture Ratio	99.63	-	100.63

Portfolio Metrics

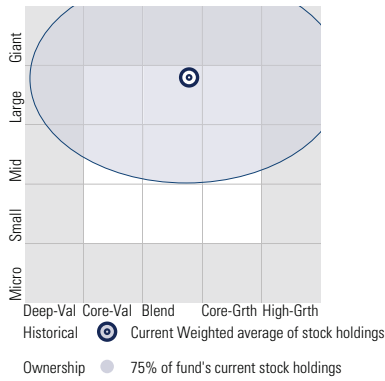
	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	17.21	17.27
Price/Book Ratio	2.17	2.05	2.16
Avg Eff Duration	6.88	-	5.34

Vanguard Target Retirement 2035 Inv VTTHX

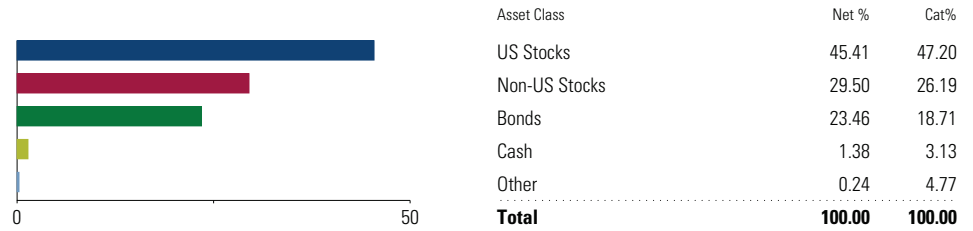
Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

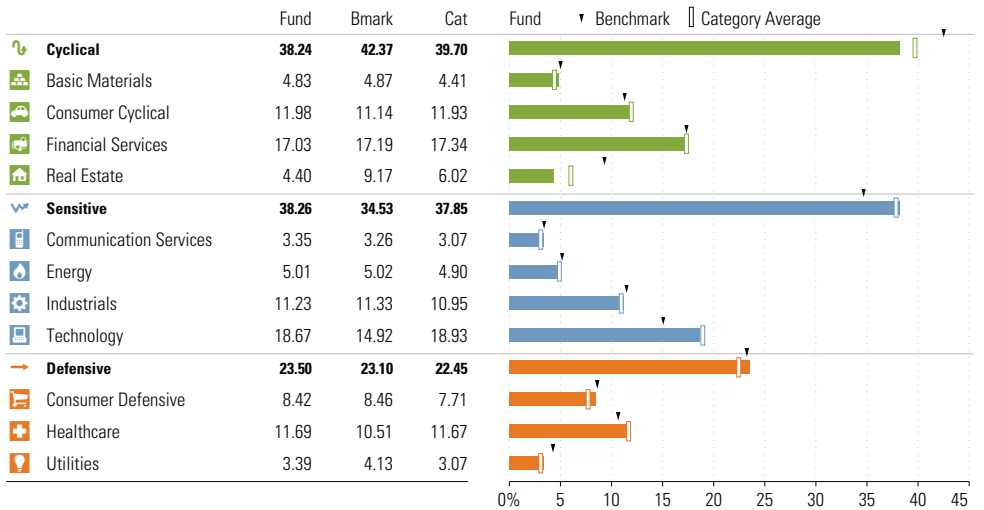
Style Analysis as of 09-30-2019
Morningstar Style Box™



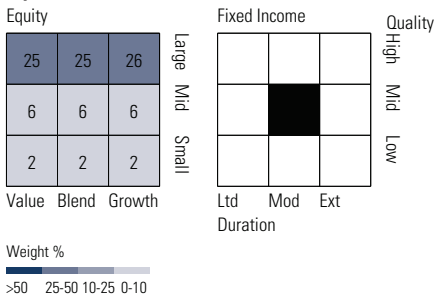
Asset Allocation as of 09-30-2019



Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	45.82	45.82	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	30.28	76.10	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	16.63	92.73	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	7.25	99.97	—	—
⊖ Cmt Market Liquidity Rate	—	0.03	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2040 Inv VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

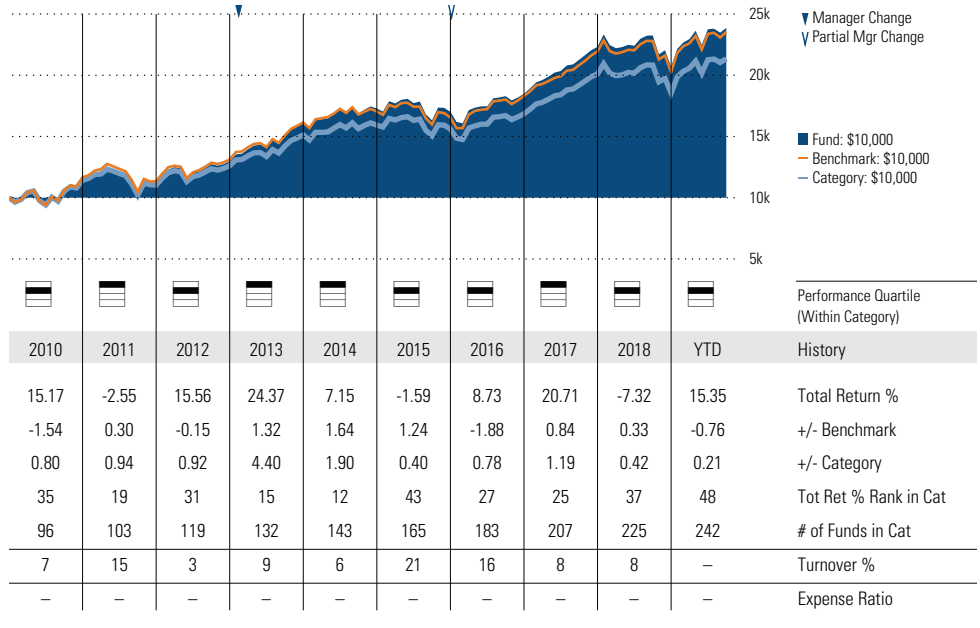
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.5% lower than the Target-Date 2040 category average.

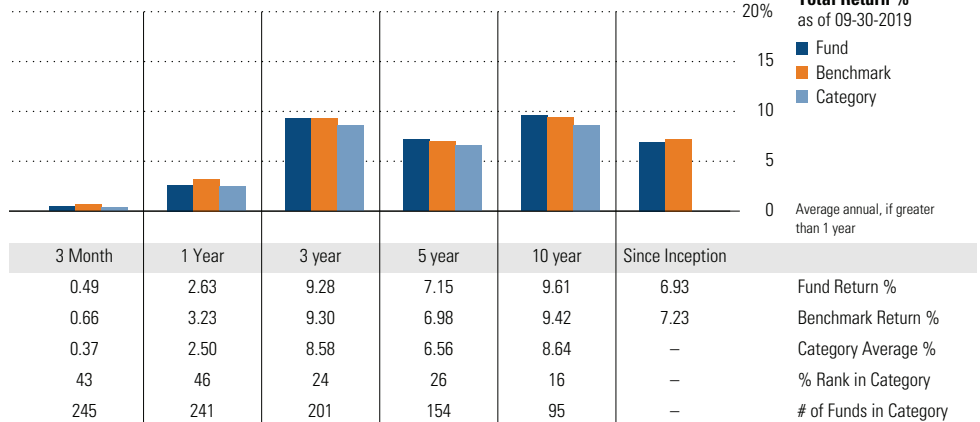
Morningstar Investment Management LLC Analysis

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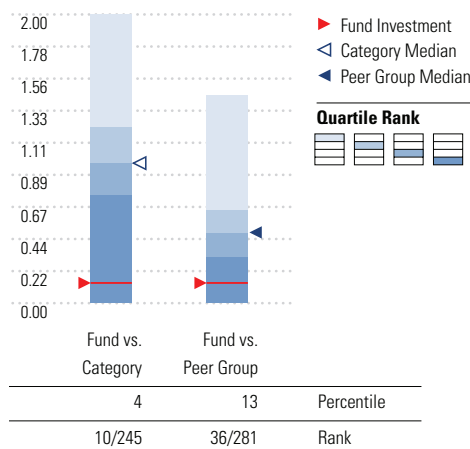
Growth of \$10,000



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	0.14	-	-0.43
Beta	0.98	-	0.96
R-Squared	99.33	-	96.58
Standard Deviation	9.71	9.87	9.57
Sharpe Ratio	0.80	0.79	0.72
Tracking Error	0.82	-	1.57
Information Ratio	-0.03	-	-0.53
Up Capture Ratio	99.13	-	93.86
Down Capture Ratio	98.54	-	97.01

Portfolio Metrics

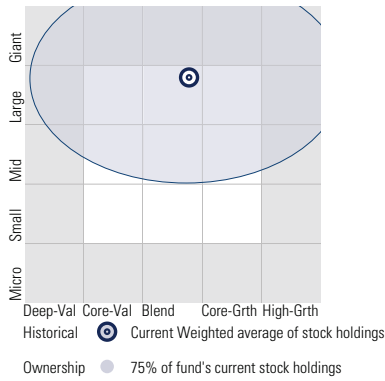
	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	17.11	18.01
Price/Book Ratio	2.17	2.03	2.25
Avg Eff Duration	6.87	-	6.43

Vanguard Target Retirement 2040 Inv VFORX

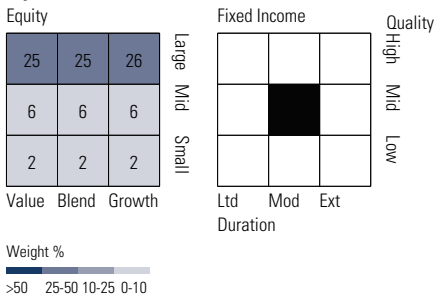
Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

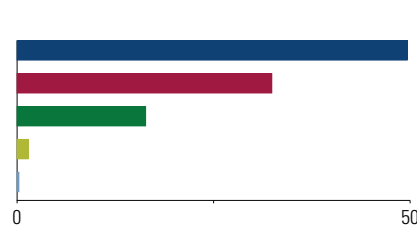
Style Analysis as of 09-30-2019
Morningstar Style Box™



Style Breakdown

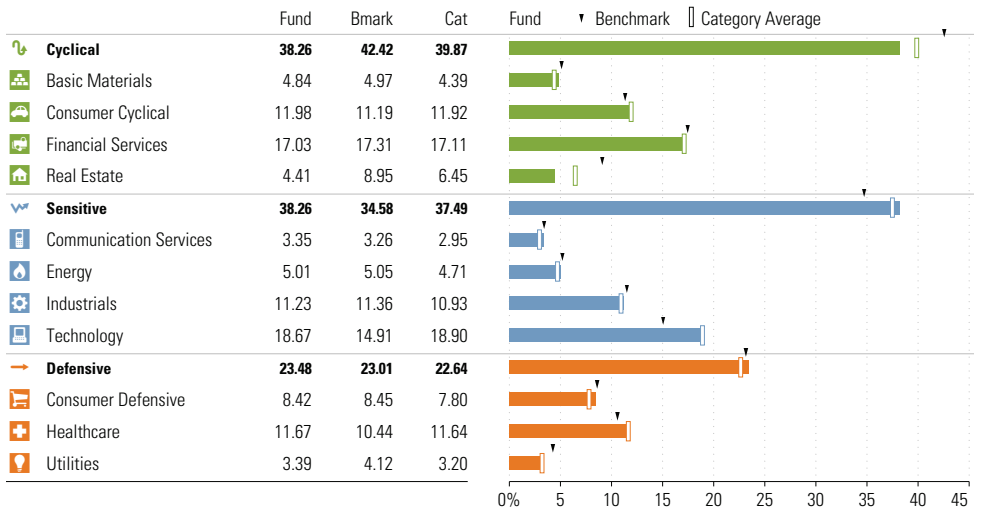


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	49.62	52.14
Non-US Stocks	32.40	29.49
Bonds	16.35	12.45
Cash	1.40	2.74
Other	0.22	3.17
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	50.06	50.06	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	33.26	83.32	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	11.68	95.00	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	4.97	99.97	-	-
⊕ Cmt Market Liquidity Rate	-	0.03	100.00	-	-

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2045 Inv VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

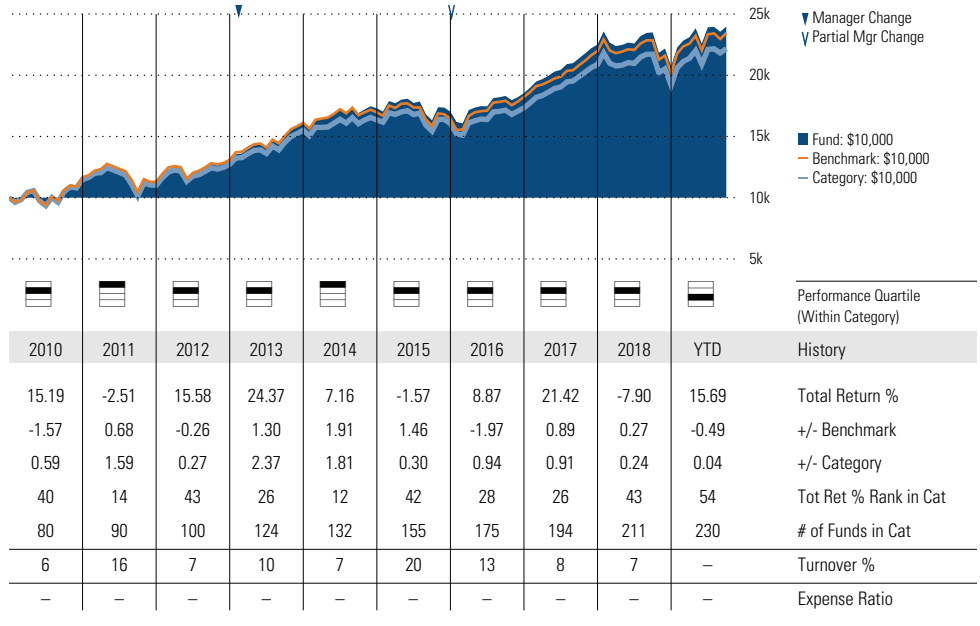
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 80.77% lower than the Target-Date 2045 category average.

Morningstar Investment Management LLC Analysis

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

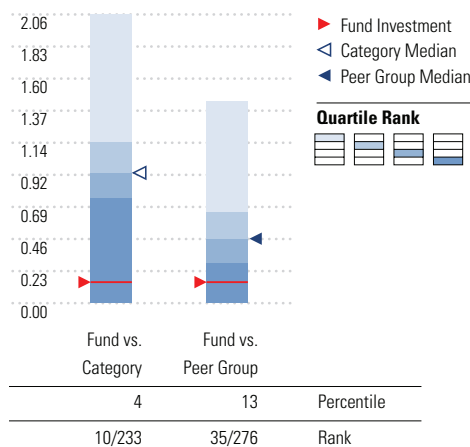
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.08	-	-0.33
Beta	1.00	-	0.98
R-Squared	99.37	-	98.35
Standard Deviation	10.31	10.33	10.19
Sharpe Ratio	0.77	0.76	0.72
Tracking Error	0.82	-	1.34
Information Ratio	0.05	-	-0.44
Up Capture Ratio	100.06	-	96.45
Down Capture Ratio	99.73	-	98.60

Portfolio Metrics

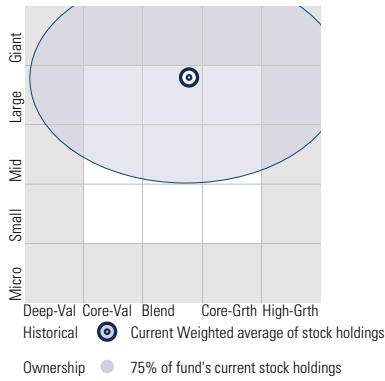
	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	17.02	18.10
Price/Book Ratio	2.17	2.01	2.26
Avg Eff Duration	6.86	-	6.46

Vanguard Target Retirement 2045 Inv VTIVX

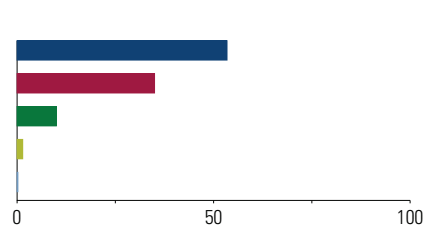
Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™



Asset Allocation as of 09-30-2019

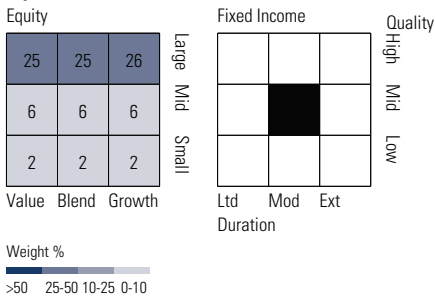


Asset Class	Net %	Cat%
US Stocks	53.41	56.09
Non-US Stocks	34.97	32.39
Bonds	9.99	6.94
Cash	1.42	2.43
Other	0.20	2.14
Total	100.00	100.00

Sector Weighting as of 09-30-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	38.25	42.58	39.58			
Basic Materials	4.84	5.04	4.31			
Consumer Cyclical	11.98	11.24	11.84			
Financial Services	17.03	17.40	17.11			
Real Estate	4.40	8.90	6.32			
Sensitive	38.25	34.56	37.38			
Communication Services	3.35	3.25	2.79			
Energy	5.01	5.07	4.66			
Industrials	11.23	11.35	10.77			
Technology	18.66	14.89	19.16			
Defensive	23.49	22.88	23.05			
Consumer Defensive	8.43	8.43	7.86			
Healthcare	11.67	10.35	11.88			
Utilities	3.39	4.10	3.31			

Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	53.89	53.89	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.90	89.79	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.14	96.93	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	3.02	99.95	—	—
⊕ Cmt Market Liquidity Rate	—	0.05	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2050 Inv VFIFX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

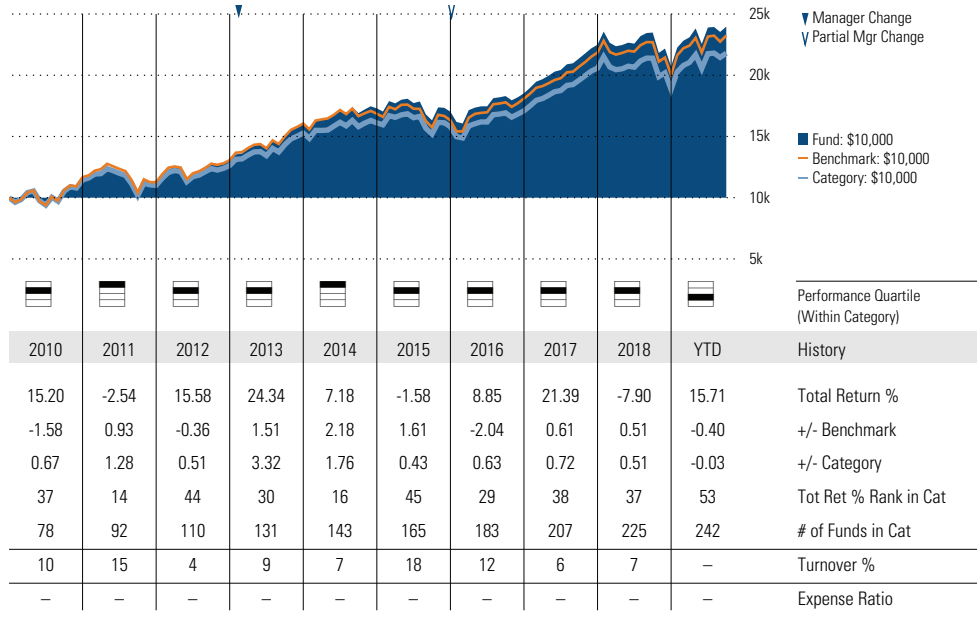
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.48% lower than the Target-Date 2050 category average.

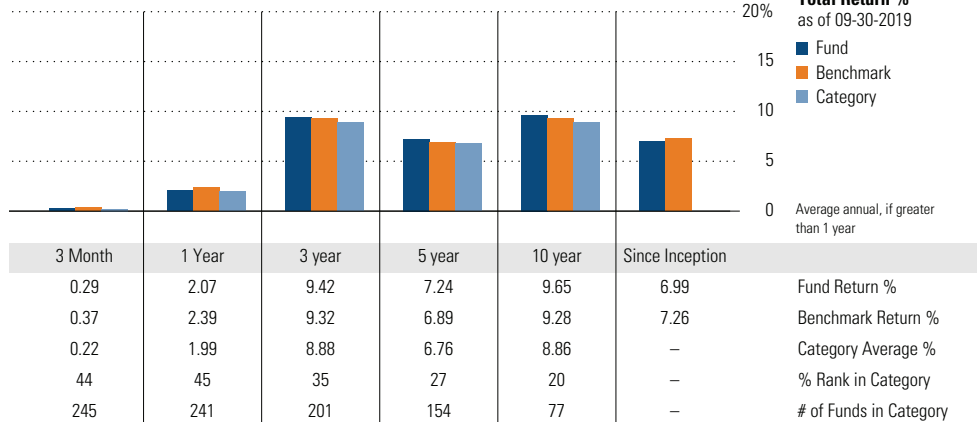
Morningstar Investment Management LLC Analysis

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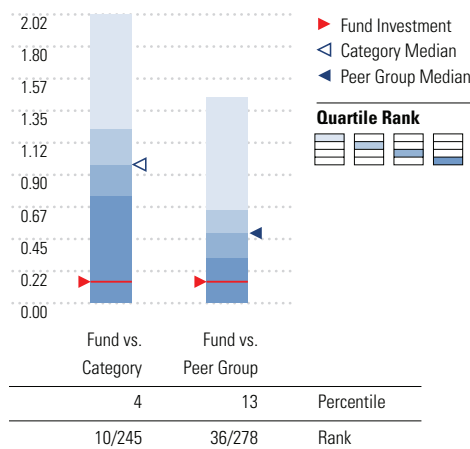
Growth of \$10,000



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	0.22	-	-0.28
Beta	0.99	-	0.97
R-Squared	99.34	-	96.67
Standard Deviation	10.34	10.45	10.28
Sharpe Ratio	0.77	0.75	0.70
Tracking Error	0.85	-	1.58
Information Ratio	0.11	-	-0.36
Up Capture Ratio	99.62	-	95.71
Down Capture Ratio	98.38	-	97.71

Portfolio Metrics

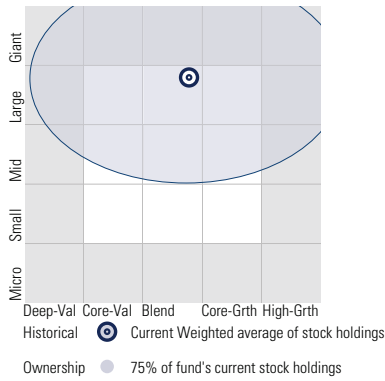
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	16.95	18.24
Price/Book Ratio	2.17	1.99	2.27
Avg Eff Duration	6.86	-	6.60

Vanguard Target Retirement 2050 Inv VFIFX

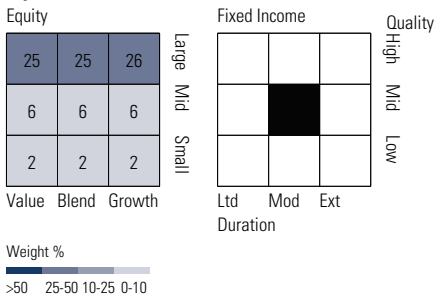
Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

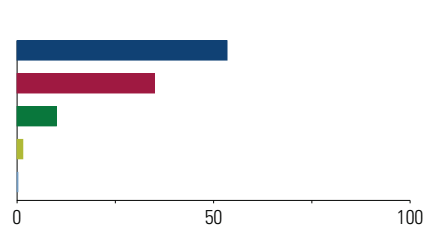
Style Analysis as of 09-30-2019
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	53.41	55.91
Non-US Stocks	34.96	33.11
Bonds	9.98	6.09
Cash	1.44	2.77
Other	0.20	2.11
Total	100.00	100.00

Sector Weighting as of 09-30-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	38.25	42.82	39.29			
Basic Materials	4.84	5.12	4.45			
Consumer Cyclical	11.98	11.25	11.82			
Financial Services	17.03	17.46	16.70			
Real Estate	4.40	8.99	6.32			
Sensitive	38.24	34.49	37.69			
Communication Services	3.35	3.24	2.80			
Energy	5.01	5.07	4.89			
Industrials	11.23	11.33	10.76			
Technology	18.65	14.85	19.24			
Defensive	23.49	22.69	23.04			
Consumer Defensive	8.43	8.40	7.76			
Healthcare	11.67	10.23	12.02			
Utilities	3.39	4.06	3.26			

Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	53.89	53.89	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.88	89.77	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.16	96.93	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	3.00	99.93	-	-
⊕ Cmt Market Liquidity Rate	-	0.07	100.00	-	-

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 9 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.61 years.

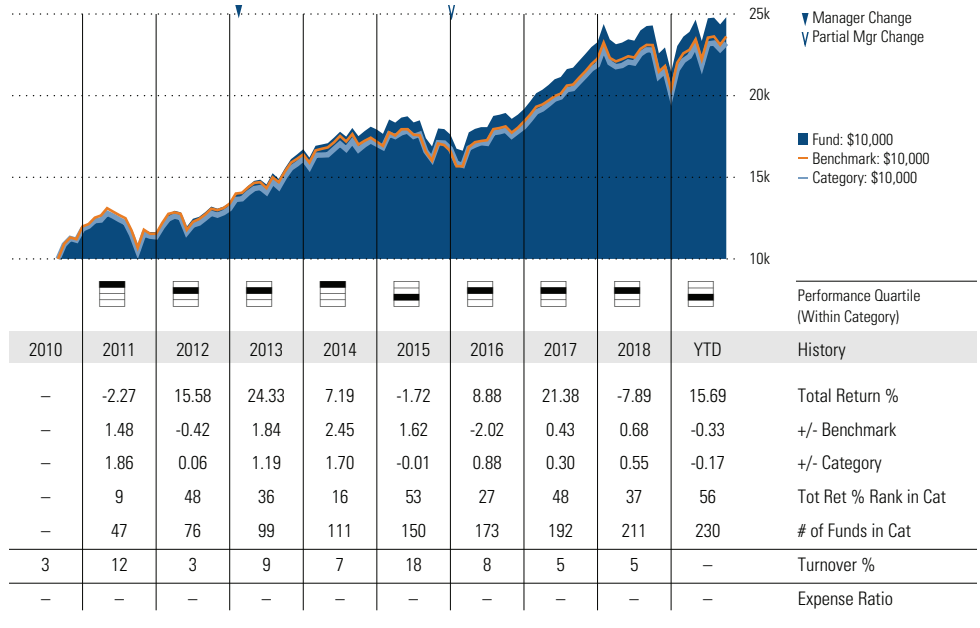
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 80.77% lower than the Target-Date 2055 category average.

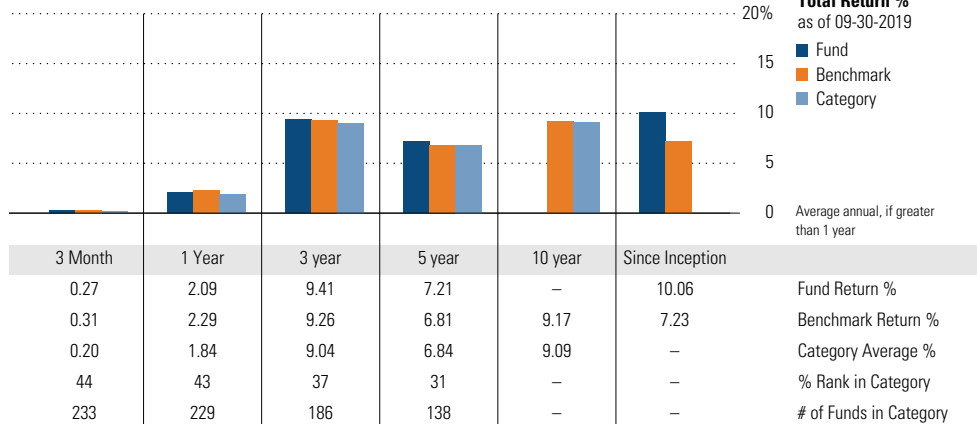
Morningstar Investment Management LLC Analysis

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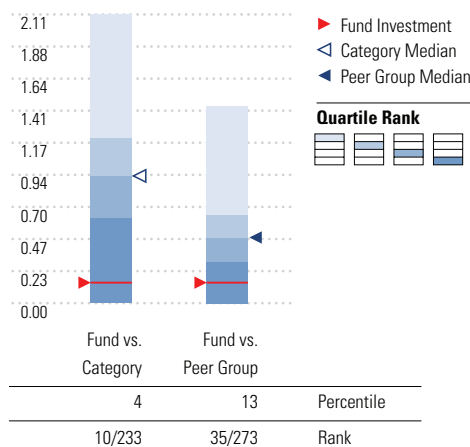
Growth of \$10,000



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	0.31	-	-0.19
Beta	0.98	-	0.99
R-Squared	99.37	-	98.37
Standard Deviation	10.31	10.49	10.46
Sharpe Ratio	0.77	0.74	0.72
Tracking Error	0.85	-	1.35
Information Ratio	0.18	-	-0.25
Up Capture Ratio	99.47	-	98.09
Down Capture Ratio	97.58	-	99.36

Portfolio Metrics

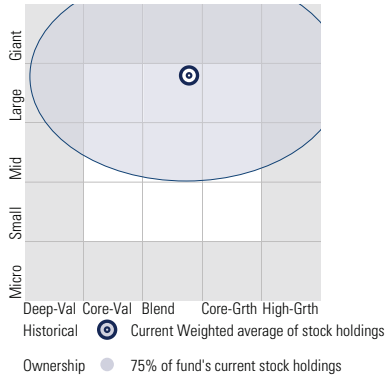
	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	16.88	17.99
Price/Book Ratio	2.17	1.98	2.24
Avg Eff Duration	6.85	-	6.45

Vanguard Target Retirement 2055 Inv VFFVX

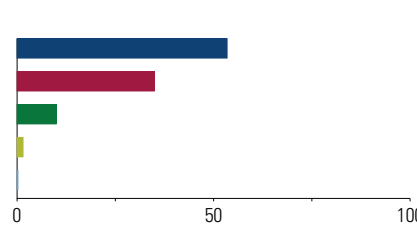
Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

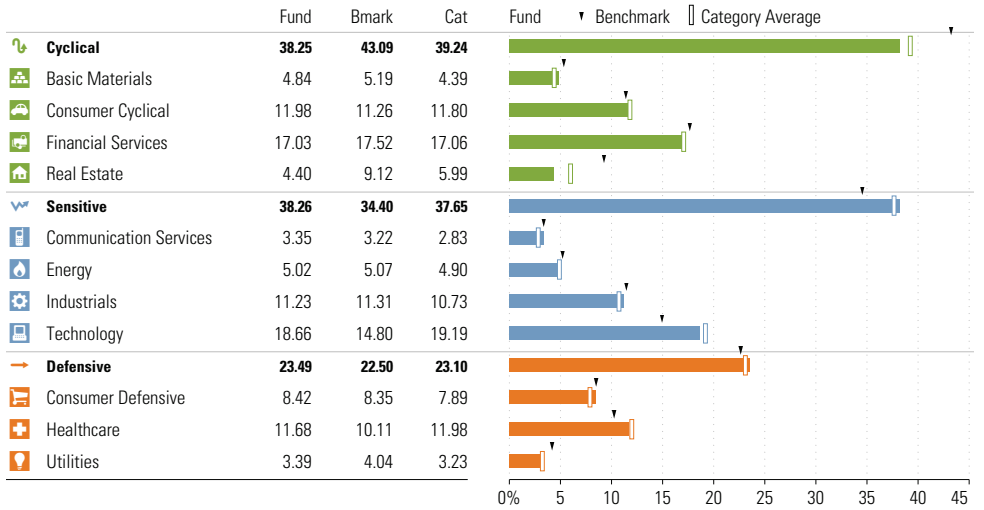


Asset Allocation as of 09-30-2019

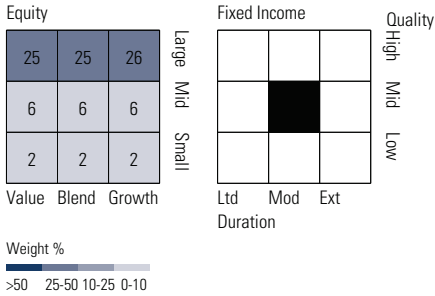


Asset Class	Net %	Cat%
US Stocks	53.43	56.00
Non-US Stocks	34.91	34.03
Bonds	9.95	6.05
Cash	1.51	2.72
Other	0.20	1.19
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	53.91	53.91	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.84	89.74	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.17	96.91	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	2.96	99.87	—	—
⊕ Cmt Market Liquidity Rate	—	0.13	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

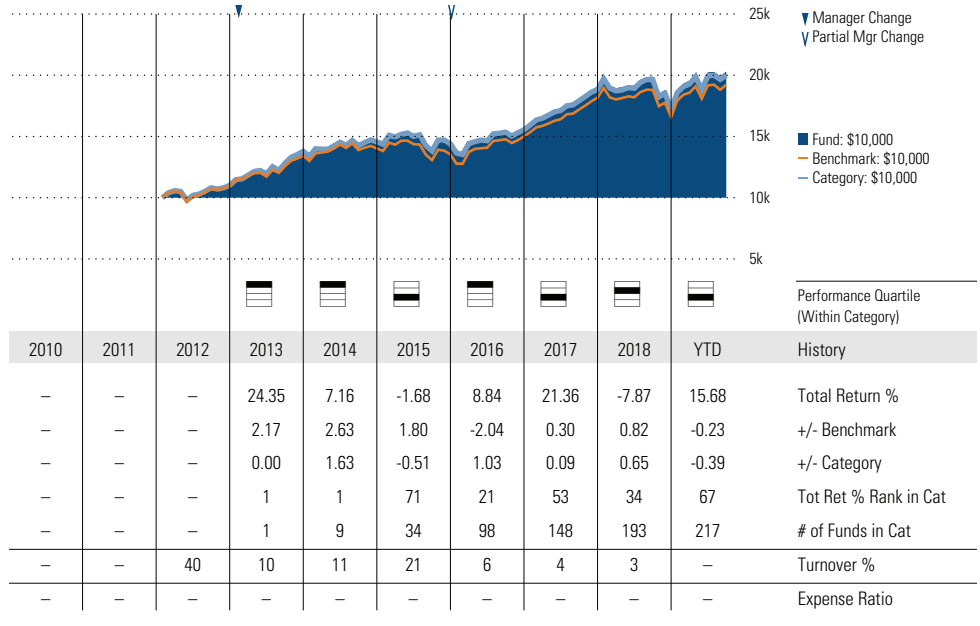
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.48% lower than the Target-Date 2060+ category average.

Morningstar Investment Management LLC Analysis

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

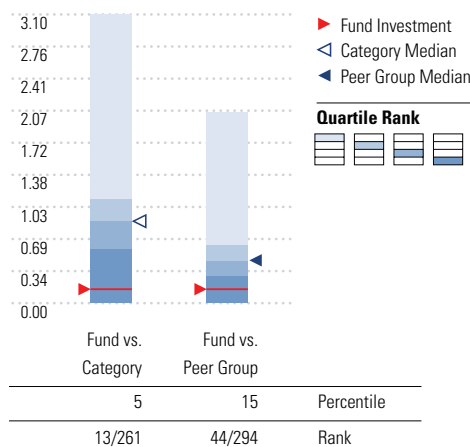
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.37	-	-0.02
Beta	0.98	-	1.00
R-Squared	99.32	-	98.24
Standard Deviation	10.33	10.48	10.53
Sharpe Ratio	0.77	0.74	0.73
Tracking Error	0.87	-	1.41
Information Ratio	0.26	-	-0.08
Up Capture Ratio	99.85	-	99.52
Down Capture Ratio	97.61	-	99.74

Portfolio Metrics

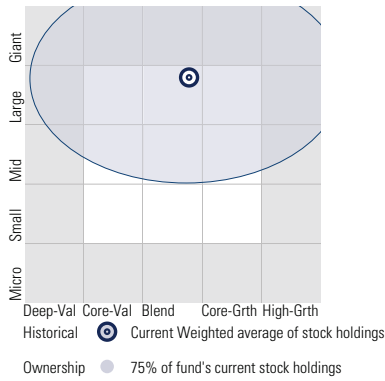
	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	16.81	17.87
Price/Book Ratio	2.17	1.96	2.21
Avg Eff Duration	6.85	-	6.85

Vanguard Target Retirement 2060 Inv VTTSX

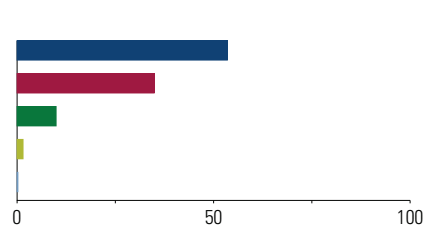
Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

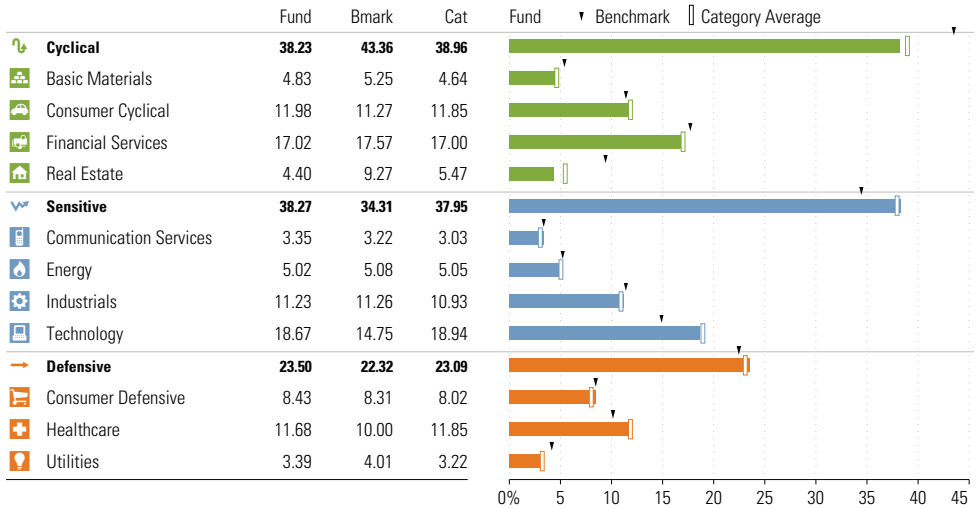


Asset Allocation as of 09-30-2019



Asset Class	Net %	Cat%
US Stocks	53.50	54.63
Non-US Stocks	34.87	34.04
Bonds	9.92	7.40
Cash	1.51	2.59
Other	0.20	1.33
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	53.98	53.98	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.79	89.77	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.17	96.93	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	2.93	99.86	—	—
⊕ Cmt Market Liquidity Rate	—	0.14	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2065 Inv VLXVX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)

William Coleman since 07-2017

Walter Nejman since 07-2017

Quantitative Screens

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

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

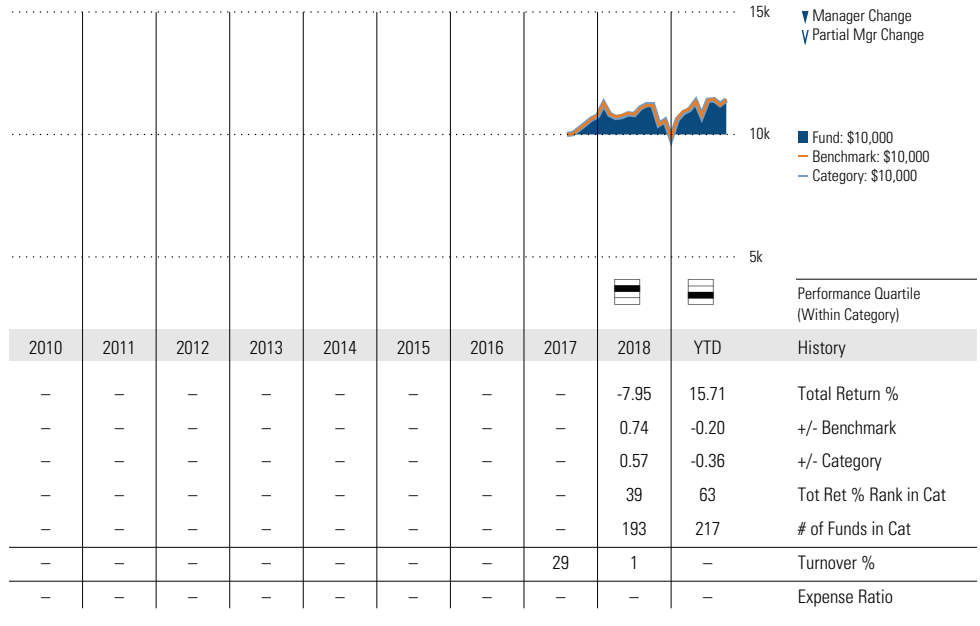
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.48% lower than the Target-Date 2060+ category average.

Morningstar Investment Management LLC Analysis

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

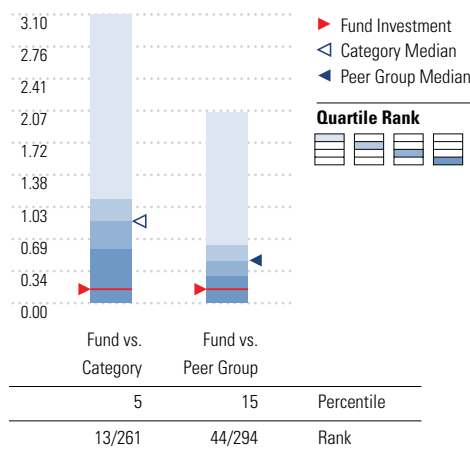
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-	-	-0.02
Beta	-	-	1.00
R-Squared	-	-	98.24
Standard Deviation	-	10.48	10.53
Sharpe Ratio	-	0.74	0.73
Tracking Error	-	-	1.41
Information Ratio	-	-	-0.08
Up Capture Ratio	-	-	99.52
Down Capture Ratio	-	-	99.74

Portfolio Metrics

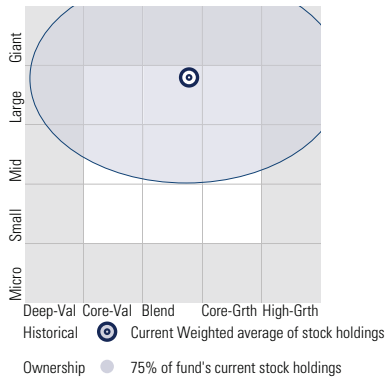
	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	16.81	17.87
Price/Book Ratio	2.17	1.96	2.21
Avg Eff Duration	6.87	-	6.85

Vanguard Target Retirement 2065 Inv VLXVX

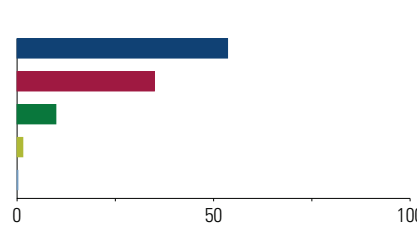
Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™

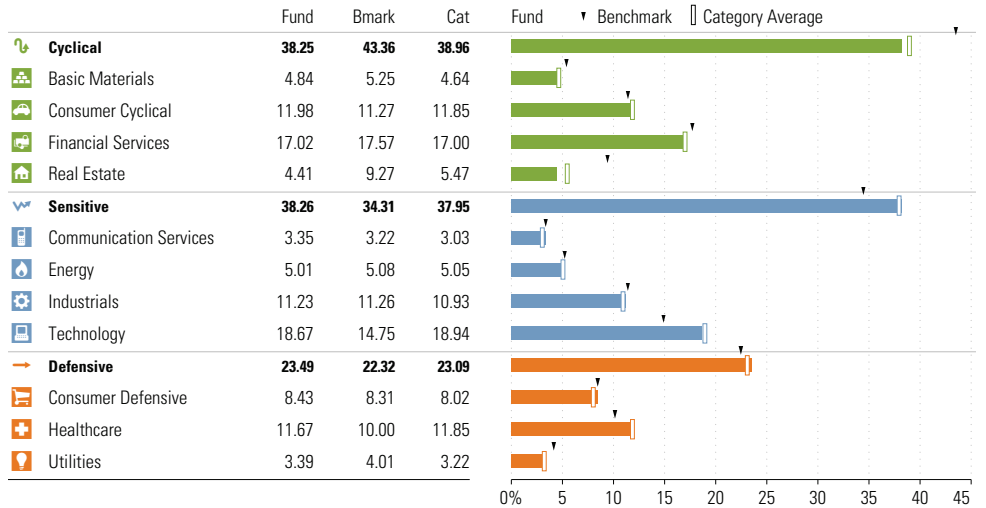


Asset Allocation as of 09-30-2019

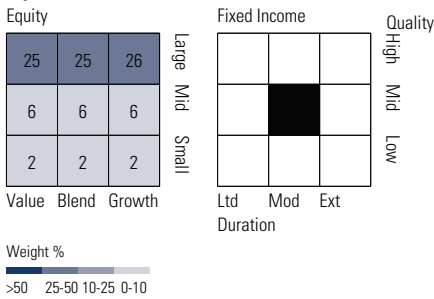


Asset Class	Net %	Cat%
US Stocks	53.55	54.63
Non-US Stocks	34.93	34.04
Bonds	9.86	7.40
Cash	1.45	2.59
Other	0.20	1.33
Total	100.00	100.00

Sector Weighting as of 09-30-2019



Style Breakdown



Top 5 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	54.03	54.03	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.85	89.88	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.04	96.91	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	3.00	99.92	—	—
⊕ Cmt Market Liquidity Rate	—	0.08	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement Income Inv VTINX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Portfolio Manager(s)

William Coleman since 02-2013

Walter Nejman since 02-2013

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.61 years.

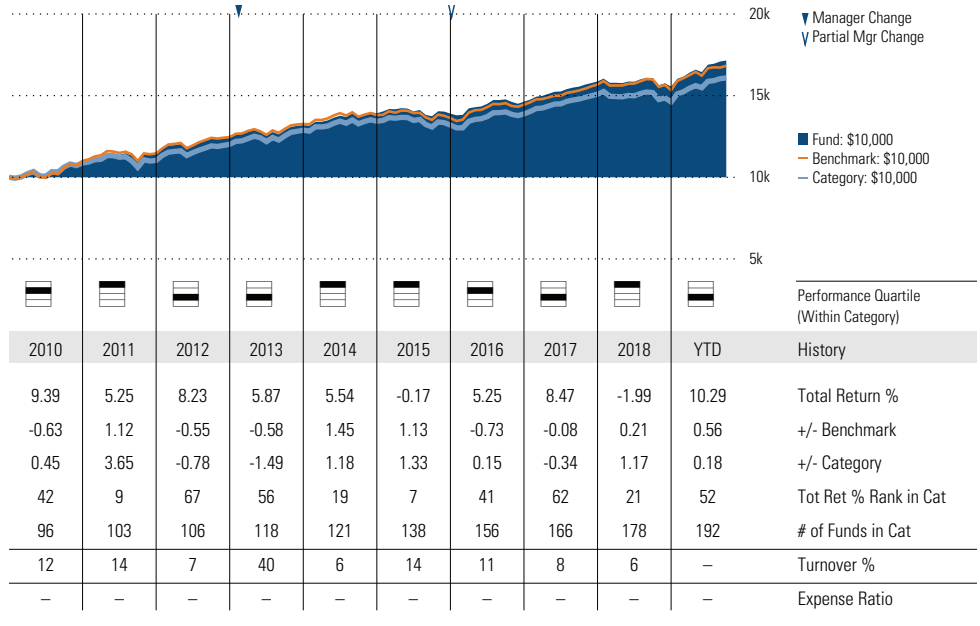
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

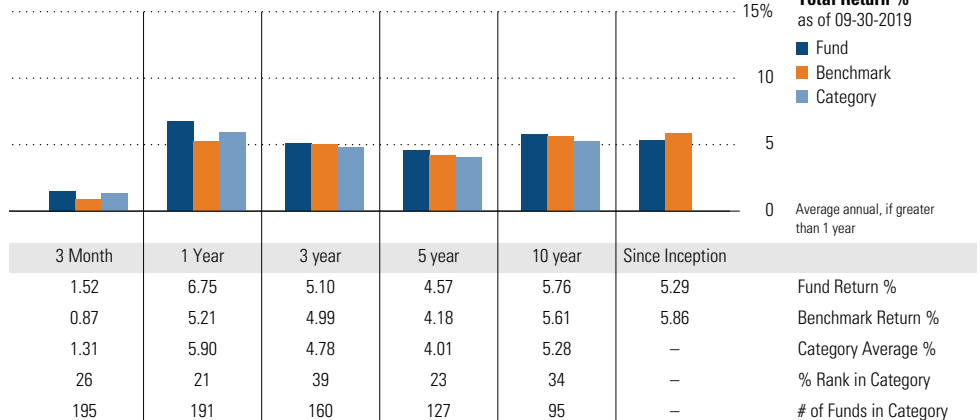
Morningstar Investment Management LLC Analysis

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

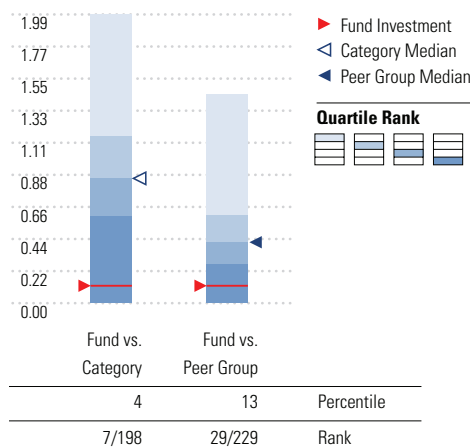
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.77	-	-0.05
Beta	0.86	-	0.95
R-Squared	94.66	-	89.92
Standard Deviation	3.72	4.19	4.17
Sharpe Ratio	0.93	0.80	0.73
Tracking Error	1.03	-	1.44
Information Ratio	0.11	-	-0.14
Up Capture Ratio	92.94	-	92.28
Down Capture Ratio	79.51	-	90.00

Portfolio Metrics

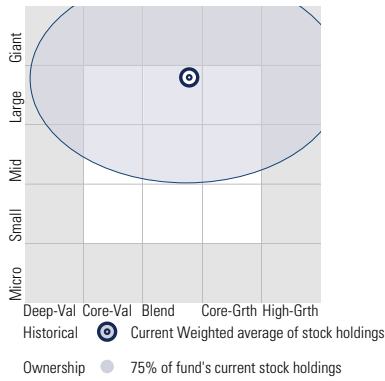
	Fund	Bmark	Cat
Price/Earnings Ratio	17.64	17.90	17.87
Price/Book Ratio	2.18	2.19	2.23
Avg Eff Duration	5.86	-	6.08

Vanguard Target Retirement Income Inv VTINX

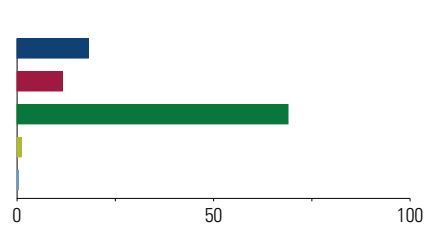
Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 09-30-2019
Morningstar Style Box™



Asset Allocation as of 09-30-2019

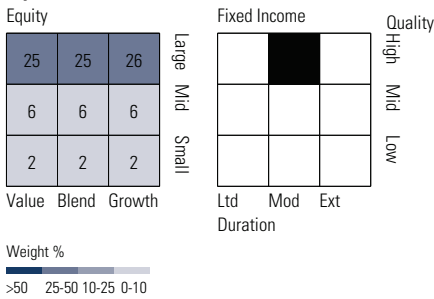


Asset Class	Net %	Cat%
US Stocks	18.11	20.78
Non-US Stocks	11.55	10.34
Bonds	68.93	59.39
Cash	1.11	6.30
Other	0.30	3.19
Total	100.00	100.00

Sector Weighting as of 09-30-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	38.18	42.47	40.56			
Basic Materials	4.80	4.28	4.24			
Consumer Cyclical	11.97	10.66	11.58			
Financial Services	17.01	16.33	16.72			
Real Estate	4.40	11.20	8.02			
Sensitive	38.33	34.06	37.03			
Communication Services	3.35	3.25	3.01			
Energy	5.01	4.85	4.88			
Industrials	11.23	11.05	10.71			
Technology	18.74	14.91	18.43			
Defensive	23.50	23.46	22.41			
Consumer Defensive	8.42	8.43	7.66			
Healthcare	11.70	10.84	11.48			
Utilities	3.38	4.19	3.27			

Style Breakdown



Top 6 Holdings as of 09-30-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	-	37.11	37.11	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	18.28	55.39	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.61	72.01	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	16.12	88.13	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	11.85	99.98	-	-
⊖ Cmt Market Liquidity Rate	-	0.02	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio