

American Funds Europacific Growth R6 RERGX

Morningstar Category
Foreign Large Growth

Morningstar Index
MSCI EAFE NR USD

Portfolio Manager(s)

Mark Denning since 12-1991
 Carl Kawaja since 06-2001
 Nicholas Grace since 06-2002
 Sung Lee since 06-2002
 Jesper Lyckeus since 06-2004
 Jonathan Knowles since 06-2006
 Andrew Suzman since 06-2007
 Christopher Thomsen since 06-2008
 Lawrence Kymisis since 06-2014

Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign Large Growth 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 27.27 years.

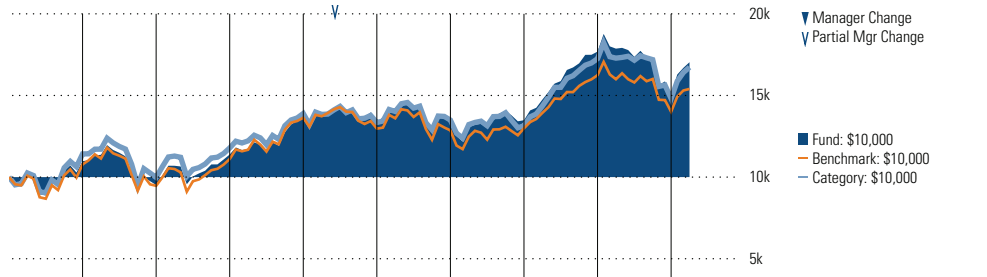
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **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

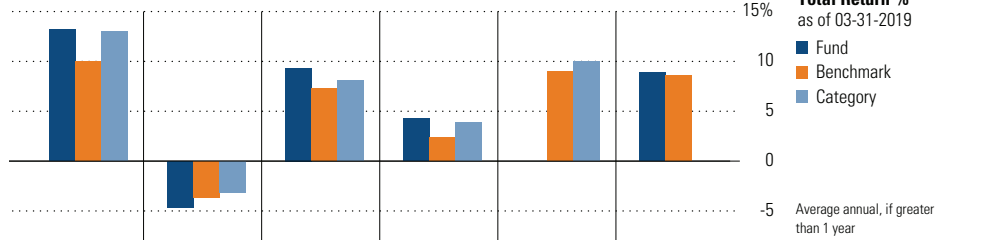
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000



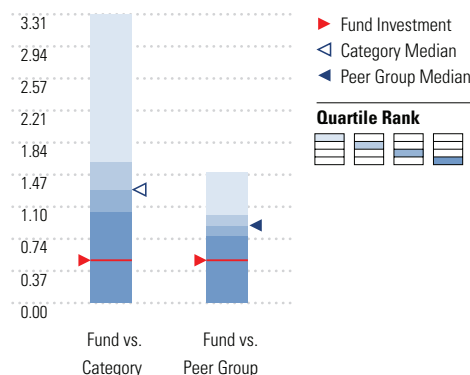
	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	III
Total Return %	9.76	-13.31	19.64	20.58	-2.29	-0.48	1.01	31.17	-14.91	13.20	Total Return %
+/- Benchmark	2.01	-1.17	2.32	-2.20	2.61	0.33	0.01	6.14	-1.12	3.22	+/- Benchmark
+/- Category	-5.02	-1.01	1.94	2.00	1.63	-1.43	3.15	0.30	-0.83	0.20	+/- Category
Tot Ret % Rank in Cat	54	40	26	40	27	66	20	44	58	41	Tot Ret % Rank in Cat
# of Funds in Cat	248	262	267	292	314	329	360	397	436	463	# of Funds in Cat
Turnover %	26	31	24	28	28	28	30	36	0	-	Turnover %
Expense Ratio	-	-	0.50	0.50	0.49	0.49	0.50	0.50	0.49	-	Expense Ratio

Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
Fund Return %	13.20	-4.66	9.33	4.27	-	8.87	Fund Return %
Benchmark Return %	9.98	-3.71	7.27	2.33	8.96	8.59	Benchmark Return %
Category Average %	13.00	-3.20	8.05	3.86	9.97	-	Category Average %
% Rank in Category	41	64	31	39	-	-	% Rank in Category
# of Funds in Category	463	442	373	314	-	-	# of Funds in Category

Net Expense



Fund vs. Category: 6 / 27/454
 Fund vs. Peer Group: 7 / 19/281
 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	1.90	-	0.81
Beta	1.01	-	0.99
R-Squared	87.04	-	-
Standard Deviation	11.38	10.47	11.66
Sharpe Ratio	0.73	0.60	0.59
Tracking Error	4.10	-	5.26
Information Ratio	0.50	-	0.08
Up Capture Ratio	100.32	-	95.37
Down Capture Ratio	83.90	-	87.27

Portfolio Metrics

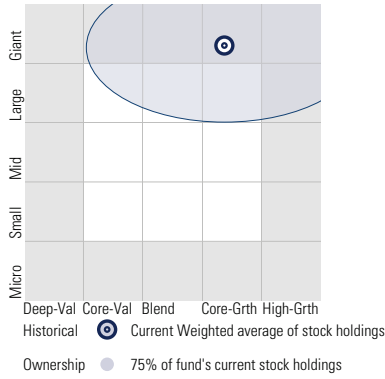
	Fund	Bmark	Cat
Price/Earnings Ratio	17.75	16.19	17.86
Price/Book Ratio	1.88	1.58	2.37
Geom Avg Mkt Cap \$B	39.57	35.93	31.37
ROE	19.74	15.50	19.30

American Funds Europacific Growth R6 RERGX

Morningstar Category
Foreign Large Growth

Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™



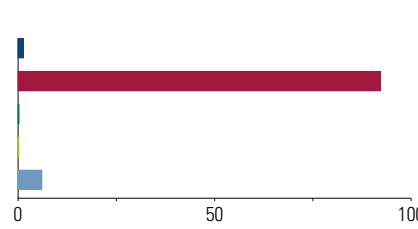
Style Breakdown

Equity

16	26	49	Large Mid Small
2	2	6	
0	0	0	
Value Blend Growth			

Weight %
>50 25-50 10-25 0-10

Asset Allocation as of 03-31-2019

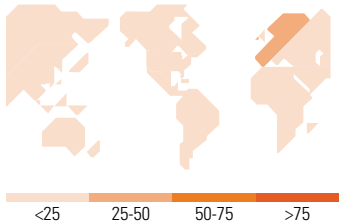


Asset Class	Net %	Cat%
US Stocks	1.33	8.20
Non-US Stocks	92.22	88.19
Bonds	0.22	0.06
Cash	0.19	2.98
Other	6.03	0.58
Total	100.00	100.00

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	42.04	42.08	36.95			
Basic Materials	8.57	7.79	6.10			
Consumer Cyclical	12.99	11.50	13.23			
Financial Services	18.68	18.86	16.75			
Real Estate	1.80	3.93	0.87			
Sensitive	38.99	30.90	36.23			
Communication Services	1.88	3.98	1.53			
Energy	6.91	5.95	3.32			
Industrials	11.04	13.21	13.43			
Technology	19.16	7.76	17.95			
Defensive	18.96	27.01	26.82			
Consumer Defensive	6.52	11.92	13.37			
Healthcare	9.39	11.35	12.40			
Utilities	3.05	3.74	1.05			

World Regions % Equity 03-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	49.18	32.42	Americas	11.50	14.69	Greater Europe	39.32	52.88	Developed Markets	70.92
Japan	13.63	13.72	North America	5.48	12.64	United Kingdom	10.09	13.24	Emerging Markets	29.08
Australasia	0.90	2.47	Central/Latin	6.02	2.05	W euro-ex UK	26.91	38.40	Not Available	0.00
Asia-4 Tigers	13.03	6.52				Emrgng Europe	0.69	0.35		
Asia-ex 4 Tigers	21.62	9.71				Africa	1.63	0.89		
Not Classified	0.00	0.00								

Top 10 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Cap Grp Cent Fd Ser	5.94	5.94	-	-
⊕ AIA Group Ltd	2.88	8.83	20.23	Financial Services
⊕ Airbus SE	2.72	11.54	40.69	Industrials
⊕ Alibaba Group Holding Ltd ADR	2.49	14.03	-	Consumer Cyclical
⊕ Reliance Industries Ltd	2.47	16.50	21.58	Energy
⊕ HDFC Bank Ltd	2.40	18.90	9.29	Financial Services
⊕ Samsung Electronics Co Ltd	1.99	20.89	-	Technology
⊖ Nintendo Co Ltd	1.65	22.54	12.18	Technology
⊕ Vale SA ADR	1.49	24.04	-0.99	Basic Materials
⊖ Tencent Holdings Ltd	1.46	25.50	14.97	Technology

Total Holdings 342

⊕ 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 07-2018

Quantitative Screens

Performance: The fund has finished in the Large Blend 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 21.76 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 0.29 is 68.13% lower than the Large Blend category average.

Growth of \$10,000



2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
13.69	7.35	12.85	32.34	11.53	0.12	13.73	20.54	-2.66	10.43	Total Return %
-1.37	5.24	-3.15	-0.05	-2.16	-1.26	1.77	-1.29	1.72	-3.22	+/- Benchmark
-0.32	8.62	-2.11	0.84	0.57	1.19	3.36	0.10	3.61	-2.51	+/- Category
44	6	72	39	34	8	58	10	12	92	Tot Ret % Rank in Cat
866	916	967	1,018	1,076	1,136	1,213	1,287	1,402	1,487	# of Funds in Cat
22	25	22	22	19	24	30	21	25	-	Turnover %
-	-	0.31	0.30	0.30	0.30	0.30	0.30	0.29	-	Expense Ratio

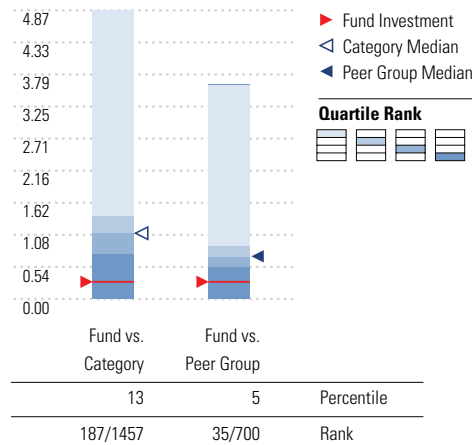
Morningstar Investment Management LLC Analysis

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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	1.71	-	-1.27
Beta	0.83	-	0.97
R-Squared	93.10	-	91.55
Standard Deviation	9.26	10.73	10.83
Sharpe Ratio	1.24	1.12	0.96
Tracking Error	3.02	-	2.93
Information Ratio	-0.14	-	-1.32
Up Capture Ratio	91.22	-	90.88
Down Capture Ratio	82.82	-	97.96

Portfolio Metrics

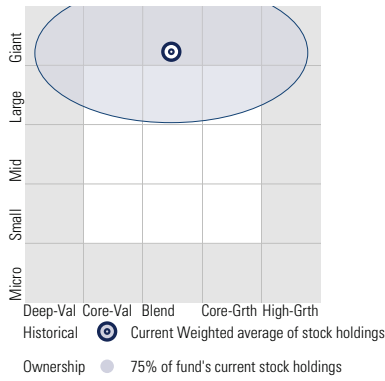
	Fund	Bmark	Cat
Price/Earnings Ratio	18.30	18.71	17.87
Price/Book Ratio	2.86	2.74	2.65
Geom Avg Mkt Cap \$B	92.42	73.09	97.84
ROE	22.96	21.80	22.01

American Funds Washington Mutual R6 RWMGX

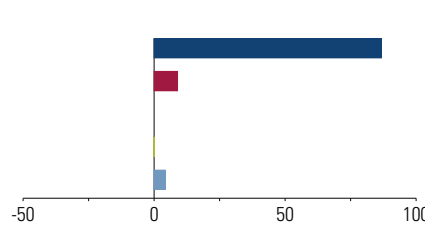
Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

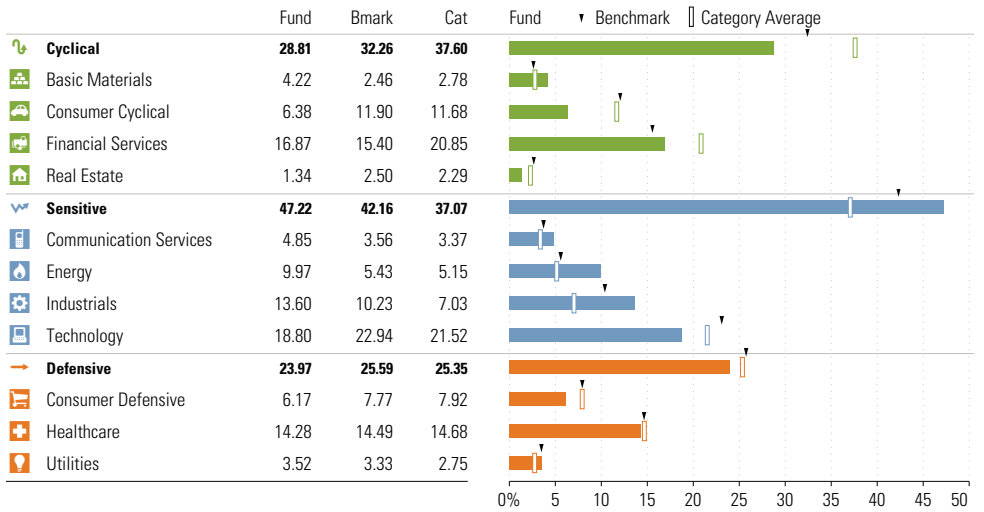


Asset Allocation as of 03-31-2019

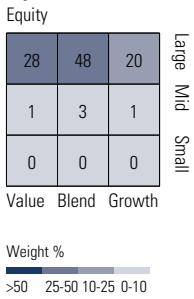


Asset Class	Net %	Cat%
US Stocks	86.79	94.10
Non-US Stocks	8.95	3.15
Bonds	0.00	4.19
Cash	-0.03	-2.54
Other	4.30	1.08
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	5.52	5.52	16.57	Technology
Cap Grp Cent Fd Ser	4.28	9.80	-	-
Intel Corp	3.40	13.20	15.10	Technology
Broadcom Inc	3.03	16.23	19.30	Technology
Boeing Co	2.74	18.97	18.91	Industrials
Merck & Co Inc	2.69	21.66	9.57	Healthcare
Comcast Corp Class A	2.65	24.31	17.42	Communication Svc
The Home Depot Inc	2.43	26.74	12.47	Consumer Cyclical
Royal Dutch Shell PLC ADR Class B	2.02	28.75	8.26	Energy
Marsh & McLennan Companies Inc	1.99	30.74	18.26	Financial Services
Verizon Communications Inc	1.98	32.73	6.25	Communication Svc
UnitedHealth Group Inc	1.95	34.68	-0.39	Healthcare
CME Group Inc Class A	1.93	36.61	-12.11	Financial Services
Johnson & Johnson	1.87	38.48	9.02	Healthcare
Pfizer Inc	1.79	40.27	-1.88	Healthcare

Total Holdings 156

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

Charles Groeschell since 09-2000
Daniel Tranchita since 09-2000
Warren Pierson since 09-2000
Mary Stanek since 09-2000
M. deGuzman since 09-2000
Gary Elfe since 09-2000

Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate-Term 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 18.51 years.

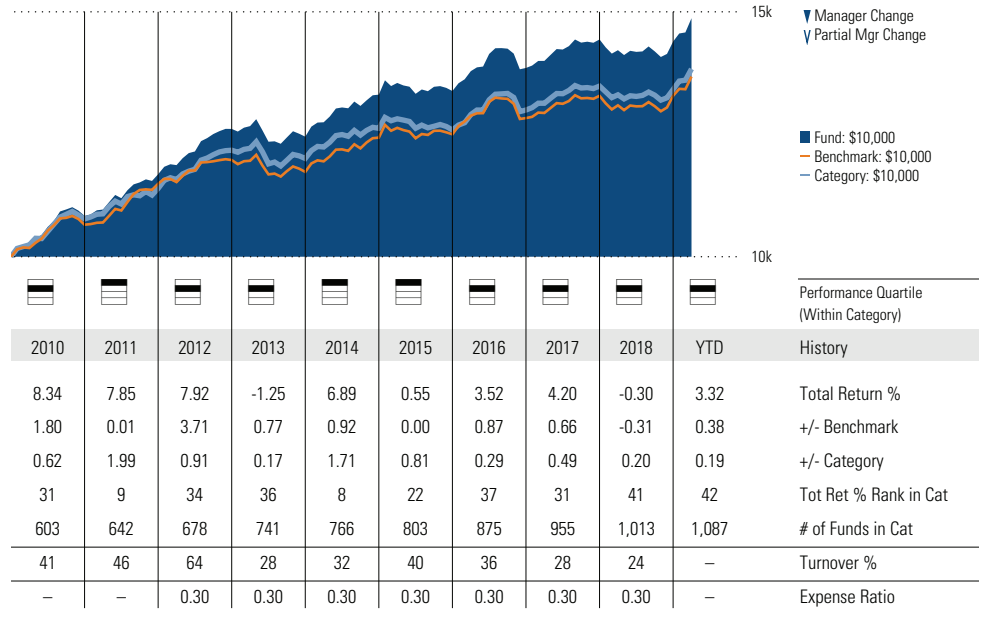
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 60% lower than the Intermediate-Term Bond category average.

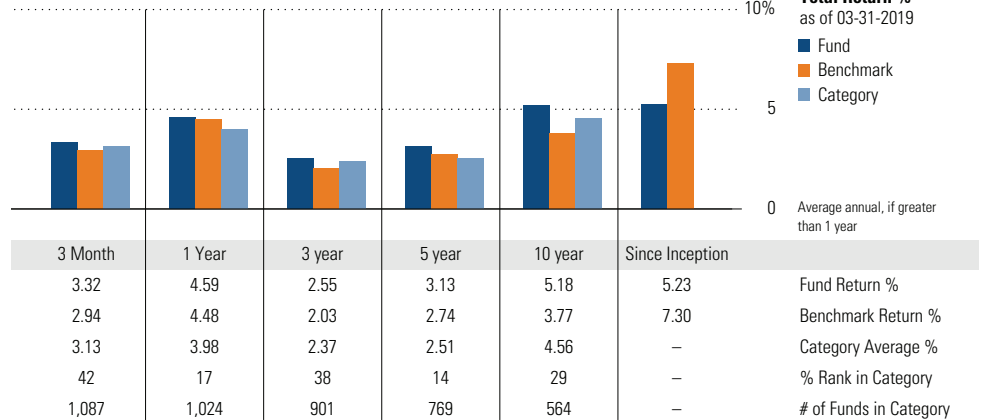
Morningstar Investment Management LLC Analysis

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

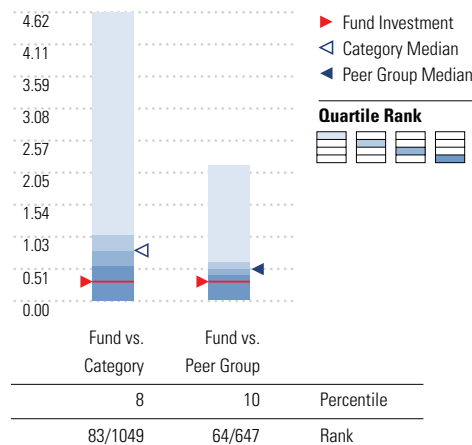
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.52	-	-0.02
Beta	0.99	-	0.92
R-Squared	99.09	-	95.52
Standard Deviation	2.97	2.97	2.78
Sharpe Ratio	0.43	0.26	0.20
Tracking Error	0.28	-	0.62
Information Ratio	1.84	-	-0.55
Up Capture Ratio	106.29	-	90.84
Down Capture Ratio	92.84	-	91.14

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	5.87	4.43	5.35
Avg Eff Maturity	8.09	-	7.45

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

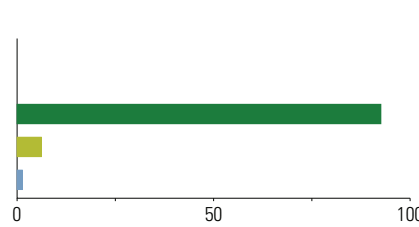
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 03-31-2019

Style Breakdown



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	0.00	0.04
Non-US Stocks	0.00	0.00
Bonds	92.55	105.23
Cash	6.14	-6.85
Other	1.31	1.59
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	55.60	3.53	45.77
AA	4.70	74.59	9.32
A	17.70	10.82	20.99
BBB	21.60	8.32	18.62
BB	0.40	0.28	3.17
B	0.00	0.00	0.91
Below B	0.00	0.00	0.42
Not Rated	0.00	2.46	0.81

Sector Weighting as of 03-31-2019



Top 10 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ First American Government Oblig U	–	4.64	4.64	–
⊕ United States Treasury Bonds 2.88%	–	3.84	8.48	–
⊕ United States Treasury Notes 1.88%	03-2022	3.40	11.88	–
⊕ United States Treasury Notes 2.5%	05-2024	3.28	15.16	–
⊕ United States Treasury Notes 2.25%	11-2025	3.25	18.41	–
⊖ United States Treasury Bonds 3.5%	–	2.22	20.63	–
⊕ United States Treasury Bonds 2.5%	–	2.11	22.74	–
⊖ United States Treasury Notes 2%	11-2026	1.57	24.31	–
⊖ Fidelity® Inv MM Fds Government Instl	–	1.28	25.60	–
⊖ United States Treasury Notes 2.25%	11-2027	0.82	26.42	–

Total Holdings 1151

⊕ 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 15.26 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 0.8 is 31.62% lower than the World Allocation category average.

Morningstar Investment Management LLC Analysis

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

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-1.62	-	-1.52
Beta	0.97	-	1.00
R-Squared	96.44	-	83.83
Standard Deviation	6.39	6.45	7.13
Sharpe Ratio	0.70	0.98	0.68
Tracking Error	1.22	-	2.92
Information Ratio	-1.58	-	-0.69
Up Capture Ratio	85.04	-	88.48
Down Capture Ratio	98.80	-	101.95

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.89	17.00	15.99
Price/Book Ratio	1.82	1.95	1.91
Avg Eff Duration	2.58	7.30	4.98

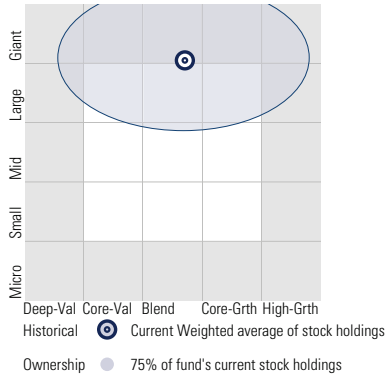
BlackRock Global Allocation Instl MALOX

Morningstar Category
World Allocation

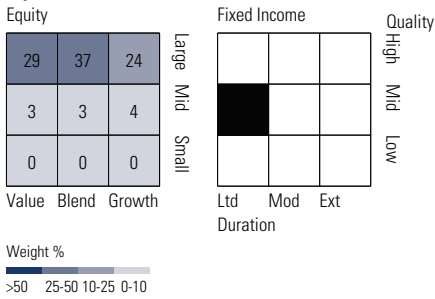
Morningstar Index
Morningstar Gbl Allocation TR USD

Style Analysis as of 03-31-2019

Morningstar Style Box™



Style Breakdown

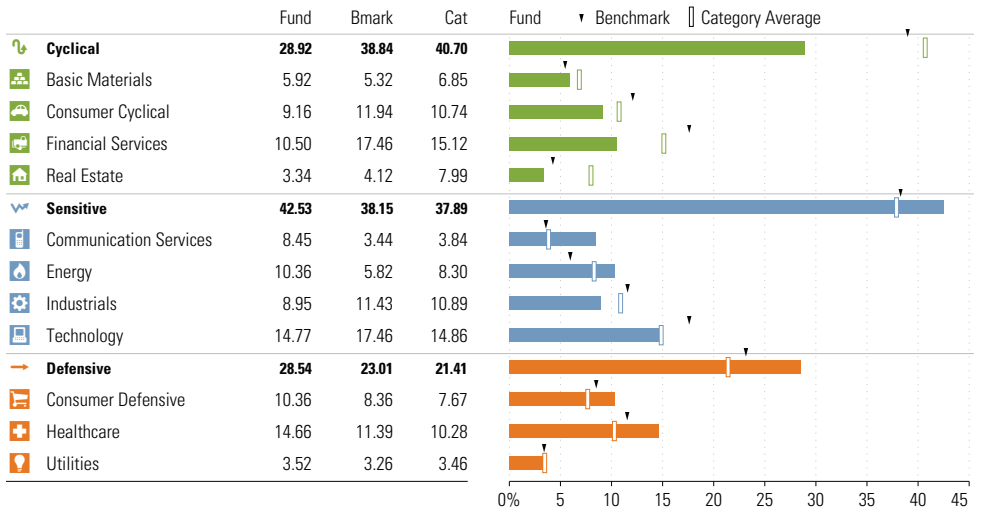


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	31.87	30.54
Non-US Stocks	26.08	26.04
Bonds	32.94	23.44
Cash	6.44	12.72
Other	2.67	7.26
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 10 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ United States Treasury Notes 2.88%	-	6.71	6.71	-	-
⊖ United States Treasury Notes 2.88%	-	6.27	12.98	-	-
⊖ United States Treasury Notes 3%	-	3.20	16.18	-	-
⊕ United States Treasury Notes 2.88%	-	2.20	18.38	-	-
⊕ United States Treasury Notes 0.62%	-	1.59	19.97	-	-
⊖ Alphabet Inc Class C	-	1.53	21.50	-	Technology
⊕ iShares Gold Trust	-	1.35	22.85	-	-
⊖ United States Treasury Notes 2.75%	-	1.27	24.12	-	-
⊕ United States Treasury Bills	-	1.20	25.32	-	-
⊖ Johnson & Johnson	-	1.15	26.47	9.02	Healthcare

Total Holdings 856

⊕ 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 35.06% lower than the Inflation-Protected Bond category average.

Morningstar Investment Management LLC Analysis

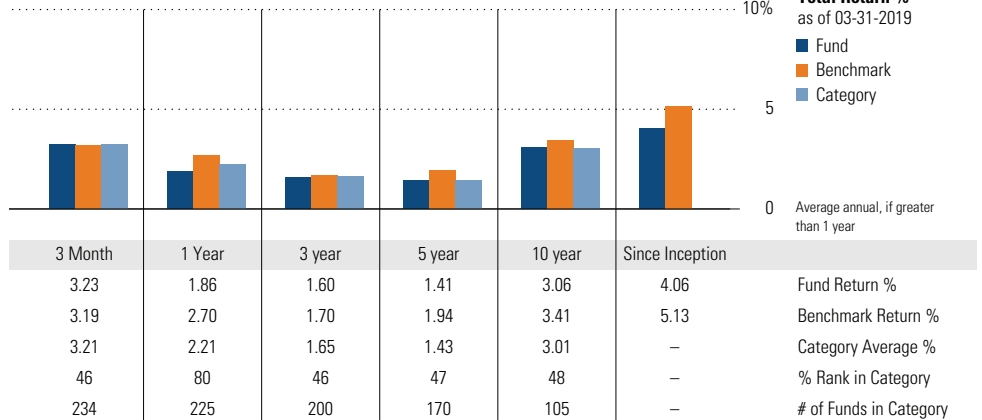
This fund went on watch earlier this year after portfolio manager Martin Hegarty left the firm. His departure followed other turnover on the team in 2017. However, we maintain confidence in the fund due to its solid process and talented underlying resources. Under current portfolio managers David Rogal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

Growth of \$10,000

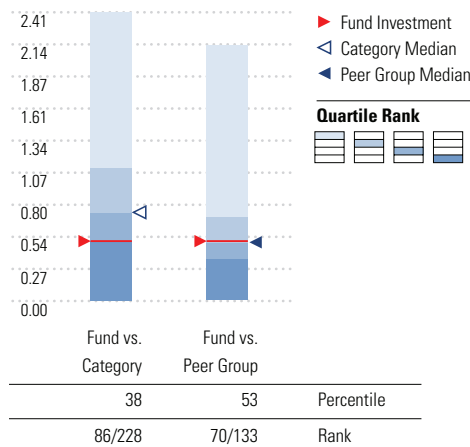


2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	Performance Quartile (Within Category)
6.23	11.88	6.94	-8.11	2.63	-2.10	4.11	3.09	-1.88	3.23	History
-0.08	-1.68	-0.04	0.50	-1.01	-0.66	-0.57	0.08	-0.62	0.04	Total Return %
0.29	0.95	0.49	-0.26	0.83	0.26	-0.48	0.37	-0.24	0.02	+/- Benchmark
36	51	22	28	39	45	56	31	65	46	+/- Category
112	135	144	158	166	173	196	205	220	234	Tot Ret % Rank in Cat
213	131	120	86	66	61	7	76	176	-	# of Funds in Cat
-	-	0.43	0.44	0.44	0.44	0.36	0.40	0.50	-	Turnover %
-	-	0.43	0.44	0.44	0.44	0.36	0.40	0.50	-	Expense Ratio

Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.06	-	0.18
Beta	0.98	-	0.82
R-Squared	98.20	-	83.66
Standard Deviation	2.99	3.04	2.80
Sharpe Ratio	0.11	0.15	0.10
Tracking Error	0.41	-	1.25
Information Ratio	-0.25	-	-0.48
Up Capture Ratio	96.65	-	82.46
Down Capture Ratio	98.00	-	77.43

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.31	4.52	6.19
Avg Eff Maturity	7.99	-	7.38

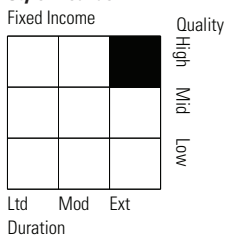
BlackRock Inflation Protected Bond Instl BPRIX

Morningstar Category
Inflation-Protected Bond

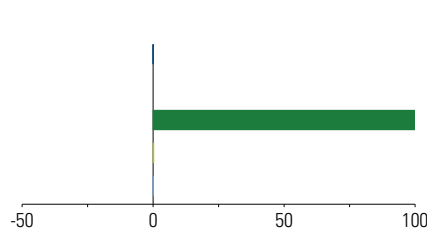
Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Style Analysis as of 03-31-2019

Style Breakdown



Asset Allocation as of 03-31-2019

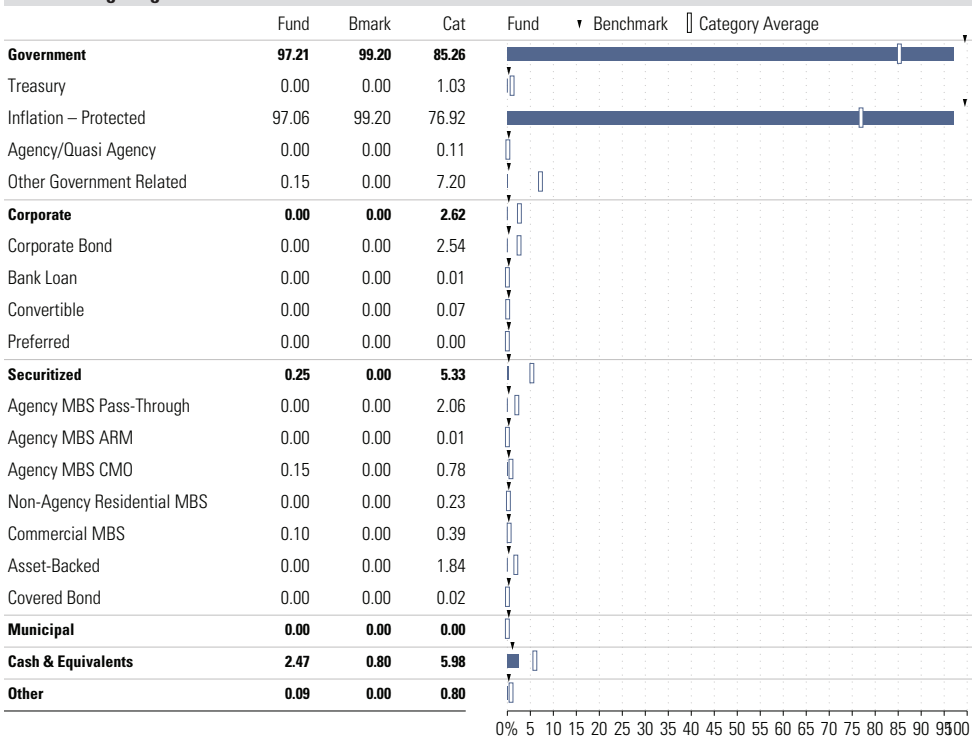


Asset Class	Net %	Cat%
US Stocks	-0.01	0.01
Non-US Stocks	0.00	0.01
Bonds	99.77	99.27
Cash	0.23	0.35
Other	0.01	0.36
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	98.73	0.00	91.95
AA	0.00	99.60	1.66
A	1.18	0.00	1.99
BBB	0.10	0.00	2.70
BB	0.00	0.00	0.72
B	0.00	0.00	0.66
Below B	0.00	0.00	0.08
Not Rated	-0.01	0.40	0.24

Sector Weighting as of 03-31-2019



Top 10 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.12%	04-2020	4.56	4.56	–
⊖ United States Treasury Notes 0.12%	04-2021	3.85	8.41	–
⊖ United States Treasury Notes 0.12%	04-2022	3.75	12.16	–
⊖ United States Treasury Notes 0.62%	04-2023	3.74	15.90	–
⊖ United States Treasury Notes 0.62%	01-2024	3.71	19.61	–
⊖ United States Treasury Notes 0.38%	07-2023	3.69	23.31	–
⊖ United States Treasury Notes 0.12%	07-2022	3.68	26.98	–
⊖ United States Treasury Notes 0.12%	01-2023	3.67	30.65	–
⊖ United States Treasury Notes 0.38%	07-2025	3.61	34.27	–
⊖ United States Treasury Notes 0.25%	01-2025	3.58	37.85	–

Total Holdings 136

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Carillon Eagle Small Cap Growth I HSIIX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 23.26 years.

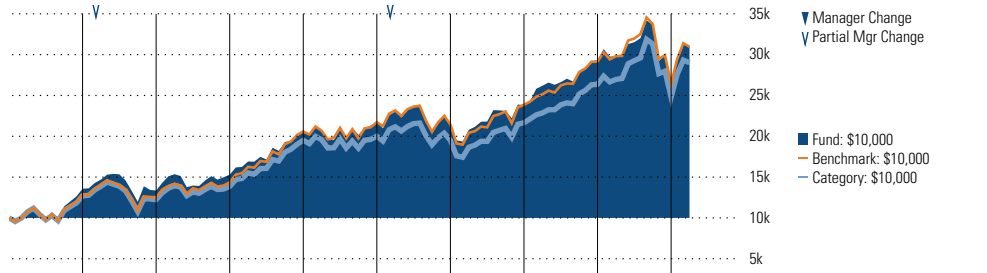
✔ **Style:** The fund has landed in its primary style box — Small Growth — 66.67 % of the time over the past three years.

✔ **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

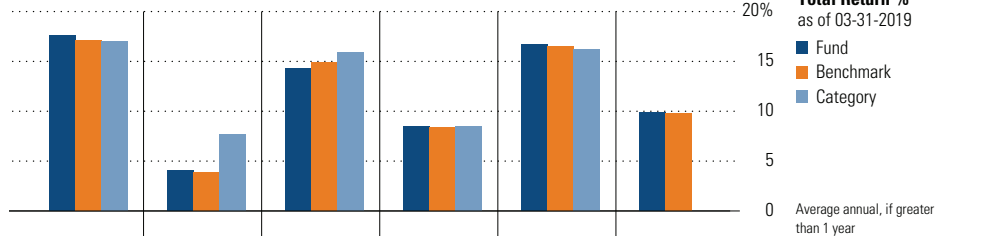
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000



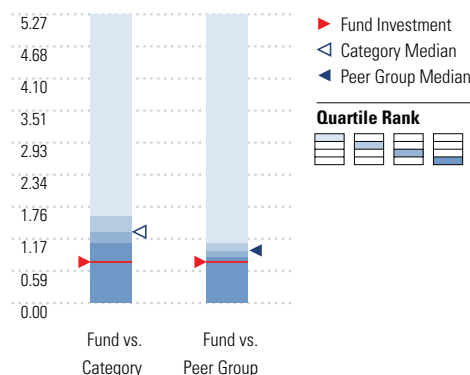
	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	III
Total Return %	35.72	-1.62	14.60	34.52	5.43	-0.50	10.28	23.28	-10.17	17.65	Total Return %
+/- Benchmark	6.63	1.29	0.01	-8.78	-0.17	0.88	-1.04	1.11	-0.86	0.51	+/- Benchmark
+/- Category	8.74	1.93	1.45	-6.39	2.99	1.91	-0.92	1.78	-4.41	0.64	+/- Category
Tot Ret % Rank in Cat	6	34	37	84	26	27	51	40	78	38	Tot Ret % Rank in Cat
# of Funds in Cat	416	437	459	494	516	552	582	617	671	698	# of Funds in Cat
Turnover %	49	36	44	-	37	45	32	40	35	-	Turnover %
Expense Ratio	-	-	0.78	0.79	0.78	0.78	0.81	0.78	0.75	-	Expense Ratio

Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
Fund Return %	17.65	4.03	14.27	8.48	16.65	9.92	Fund Return %
Benchmark Return %	17.14	3.85	14.87	8.41	16.52	9.79	Benchmark Return %
Category Average %	17.01	7.70	15.88	8.45	16.24	-	Category Average %
% Rank in Category	38	70	63	53	42	-	% Rank in Category
# of Funds in Category	698	681	592	525	396	-	# of Funds in Category

Net Expense



	Fund vs. Category	Fund vs. Peer Group	Percentile Rank
9	61/685	50/417	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	-0.06	-	1.95
Beta	0.97	-	0.94
R-Squared	93.84	-	91.31
Standard Deviation	16.29	16.27	16.11
Sharpe Ratio	0.82	0.86	0.94
Tracking Error	4.07	-	4.79
Information Ratio	-0.15	-	0.26
Up Capture Ratio	96.25	-	97.36
Down Capture Ratio	96.46	-	86.74

Portfolio Metrics

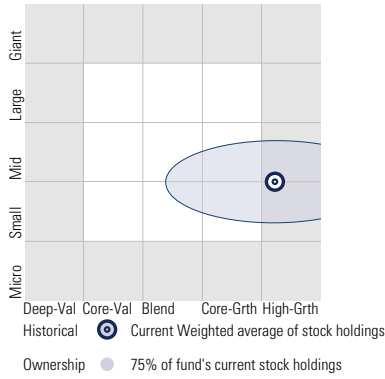
	Fund	Bmark	Cat
Price/Earnings Ratio	25.53	24.72	25.39
Price/Book Ratio	3.23	3.88	3.65
Geom Avg Mkt Cap \$B	2.67	1.66	2.80
ROE	9.39	10.22	9.63

Carillon Eagle Small Cap Growth I HSIIX

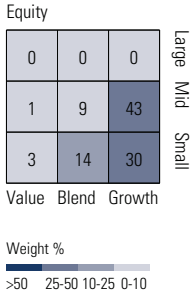
Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

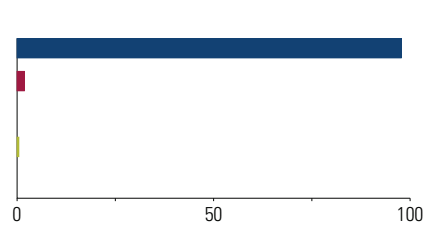
Style Analysis as of 03-31-2019
Morningstar Style Box™



Style Breakdown

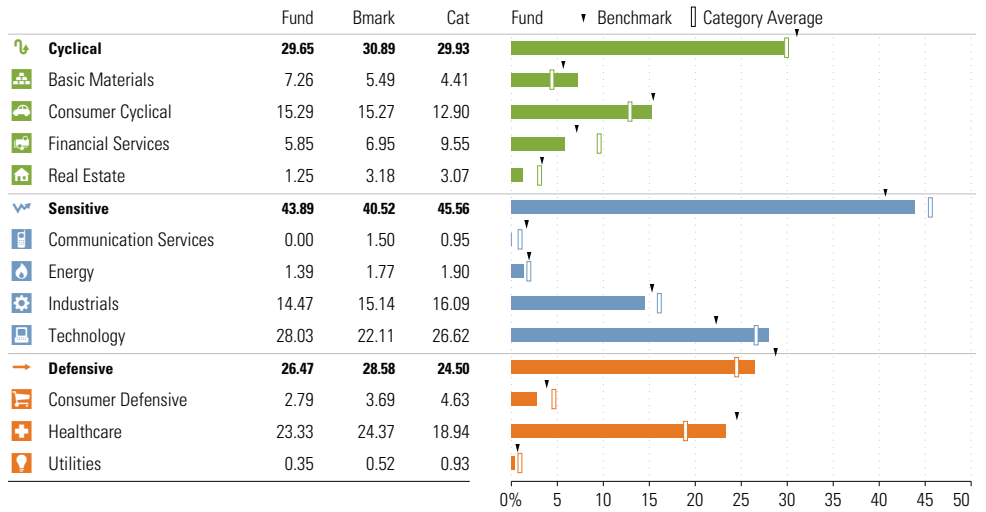


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	97.73	94.01
Non-US Stocks	1.83	3.37
Bonds	0.00	0.00
Cash	0.43	2.22
Other	0.00	0.40
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Quaker Chemical Corp	2.98	2.98	12.94	Basic Materials
⊖ Planet Fitness Inc A	2.72	5.71	-	Consumer Cyclical
⊖ Chart Industries Inc	2.35	8.06	39.20	Industrials
⊖ RealPage Inc	1.99	10.05	25.94	Technology
Cornerstone OnDemand Inc	1.80	11.85	8.63	Technology
Trex Co Inc	1.69	13.54	3.64	Basic Materials
Entegris Inc	1.62	15.16	28.20	Technology
Woodward Inc	1.61	16.77	27.95	Industrials
Cognex Corp	1.58	18.35	31.65	Technology
Hexcel Corp	1.55	19.90	20.88	Industrials
⊖ Casey's General Stores Inc	1.55	21.45	0.72	Consumer Defensive
Pegasystems Inc	1.51	22.96	35.96	Technology
⊖ Merit Medical Systems Inc	1.41	24.37	10.79	Healthcare
Landstar System Inc	1.39	25.76	14.51	Industrials
⊕ Viper Energy Partners LP	1.38	27.14	-	Energy

Total Holdings 109

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Delaware Small Cap Value Instl DEVIX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Portfolio Manager(s)

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

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 21.93 years.

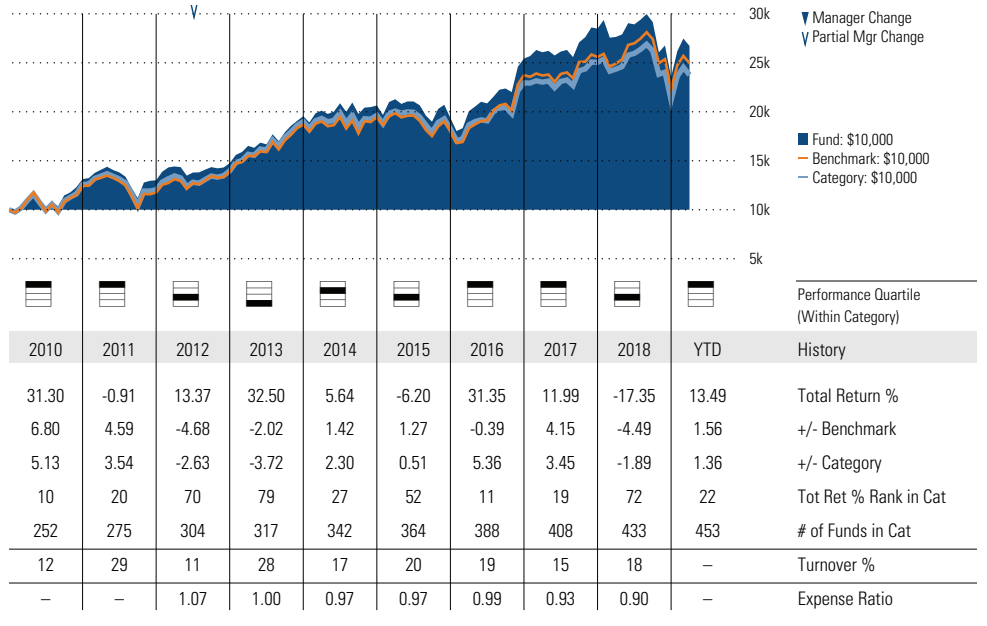
✘ **Style:** The fund has landed in its primary style box — Small Value — 35.29 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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

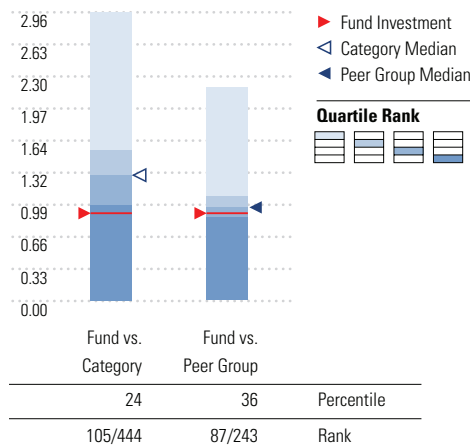
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.25	-	-1.88
Beta	0.95	-	0.96
R-Squared	94.30	-	92.76
Standard Deviation	15.85	16.12	16.10
Sharpe Ratio	0.60	0.64	0.50
Tracking Error	3.85	-	4.31
Information Ratio	-0.21	-	-0.68
Up Capture Ratio	94.65	-	88.84
Down Capture Ratio	96.12	-	97.04

Portfolio Metrics

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

Delaware Small Cap Value Instl DEVIX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Style Analysis as of 03-31-2019

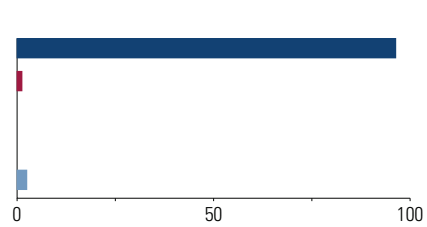
Morningstar Style Box™



Style Breakdown

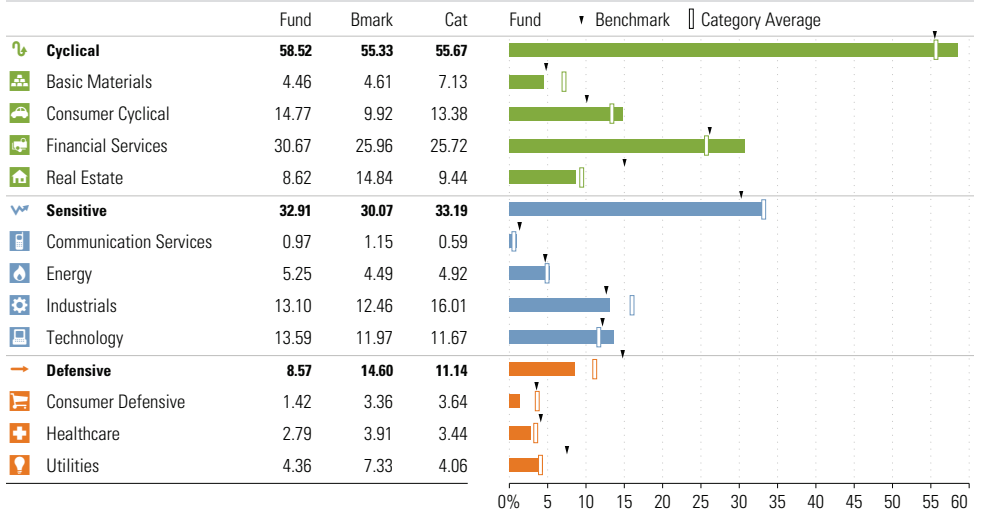


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	96.33	94.77
Non-US Stocks	1.22	2.51
Bonds	0.00	-0.06
Cash	0.00	2.75
Other	2.45	0.04
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
East West Bancorp Inc	2.73	2.73	10.73	Financial Services
⊕ Other Assets And Liabilities	2.45	5.18	-	-
MasTec Inc	2.13	7.31	18.59	Industrials
Synopsys Inc	2.08	9.39	36.69	Technology
Hancock Whitney Corp	2.01	11.40	17.37	Financial Services
Berry Global Group Inc	2.00	13.40	13.34	Consumer Cyclical
Webster Financial Corp	1.97	15.36	3.47	Financial Services
ITT Inc	1.83	17.20	20.46	Industrials
Olin Corp	1.75	18.95	16.06	Basic Materials
⊖ Selective Insurance Group Inc	1.74	20.69	4.17	Financial Services
Stifel Financial Corp	1.68	22.37	27.74	Financial Services
Tech Data Corp	1.47	23.85	25.18	Technology
Great Western Bancorp Inc	1.42	25.26	-	Financial Services
F N B Corp	1.37	26.63	8.94	Financial Services
Meritage Homes Corp	1.35	27.98	21.76	Consumer Cyclical

Total Holdings 107

⊕ 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 21.74 years.

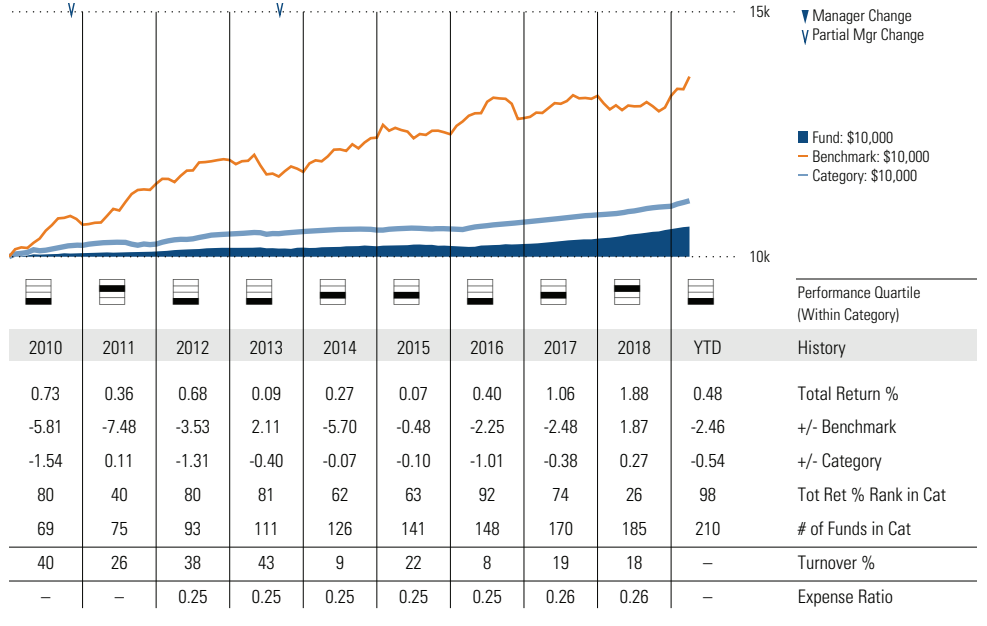
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.26 is 45.83% lower than the Ultrashort Bond category average.

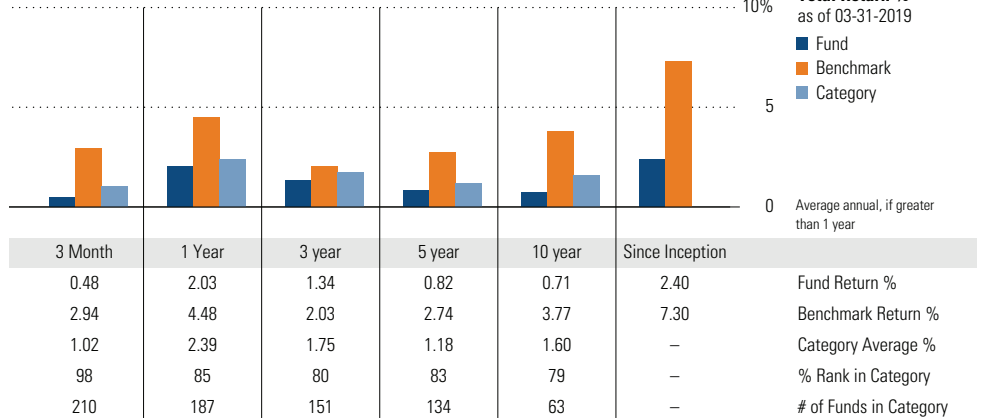
Morningstar Investment Management LLC Analysis

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.

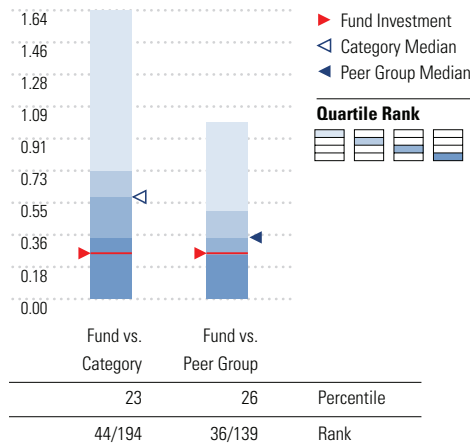
Growth of \$10,000



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

Metric	Fund	Bmark	Cat
Alpha	1.29	-	1.69
Beta	0.02	-	0.03
R-Squared	7.07	-	16.89
Standard Deviation	0.25	2.97	0.45
Sharpe Ratio	0.21	0.26	0.89
Tracking Error	2.92	-	2.91
Information Ratio	-0.24	-	-0.10
Up Capture Ratio	18.48	-	23.48
Down Capture Ratio	-15.07	-	-21.26

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	0.29	4.43	0.83
Avg Eff Maturity	1.99	-	1.55

Federated Government Ultrashrt Dur Instl FGUSX

Morningstar Category
Ultrashort Bond

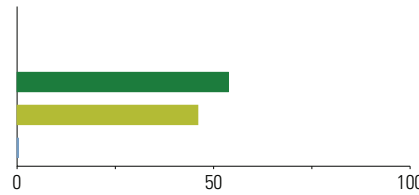
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 03-31-2019

Style Breakdown



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	0.00	0.01
Non-US Stocks	0.00	0.00
Bonds	53.72	71.17
Cash	45.98	27.58
Other	0.30	1.22
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	100.00	3.53	50.22
AA	0.00	74.59	10.73
A	0.00	10.82	19.78
BBB	0.00	8.32	14.86
BB	0.00	0.28	0.82
B	0.00	0.00	0.26
Below B	0.00	0.00	0.15
Not Rated	0.00	2.46	3.18

Sector Weighting as of 03-31-2019



Top 10 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Bmo Capital Markets Corp., 3.000%, Dated 12/31/2018, Due 1/2/2019	01-2019	20.90	20.90	–
⊕ Hsbc Securities (Usa), Inc., 3.010%, Dated 12/31/2018, Due 1/2/2019	01-2019	18.13	39.03	–
⊖ Government National Mortgage Association 2.96%	01-2065	3.23	42.26	–
⊕ Government National Mortgage Association 2.96%	02-2065	3.22	45.48	–
⊖ Federal National Mortgage Association 3%	01-2037	2.85	48.33	–
⊖ Government National Mortgage Association 2.69%	09-2062	2.83	51.16	–
⊖ Government National Mortgage Association 2.81%	06-2062	2.63	53.79	–
⊖ Government National Mortgage Association 2.65%	11-2062	2.34	56.13	–
⊕ Federal National Mortgage Association Remic, Series 2012-116, Class Fa, 2.8	10-2042	2.33	58.46	–
⊖ Government National Mortgage Association 2.65%	02-2062	2.04	60.50	–

Total Holdings 194

⊕ 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 28.55 years.

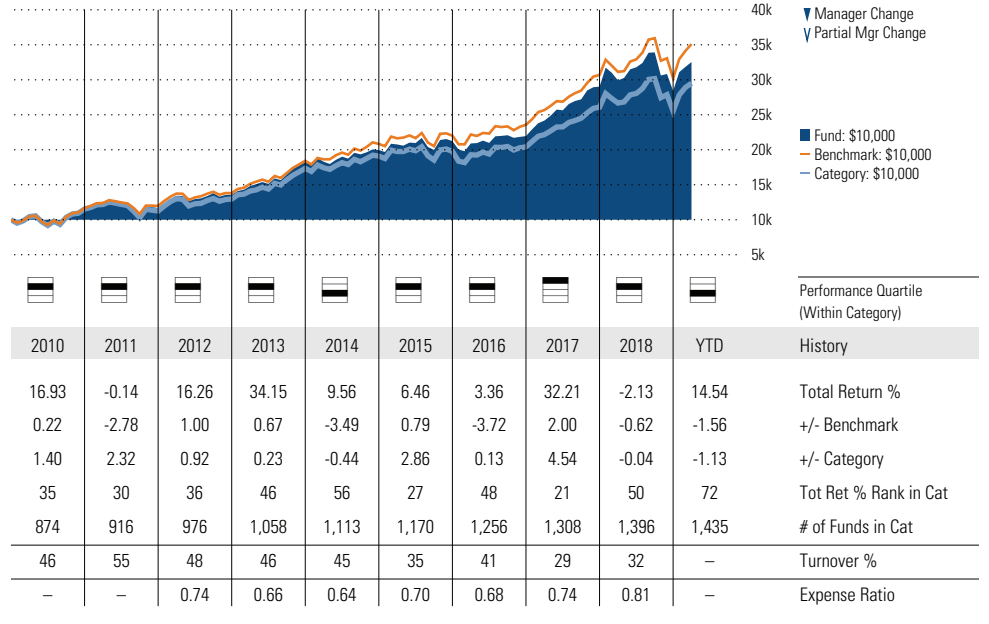
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.81 is 22.12% lower than the Large Growth category average.

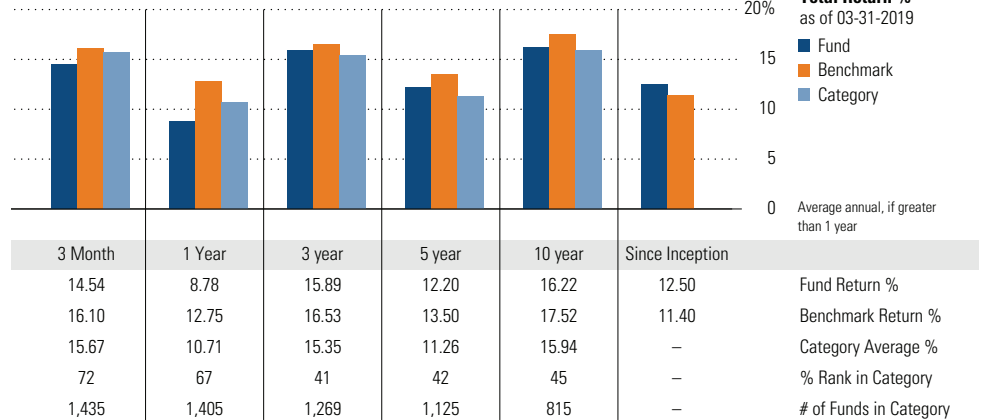
Morningstar Investment Management LLC Analysis

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.

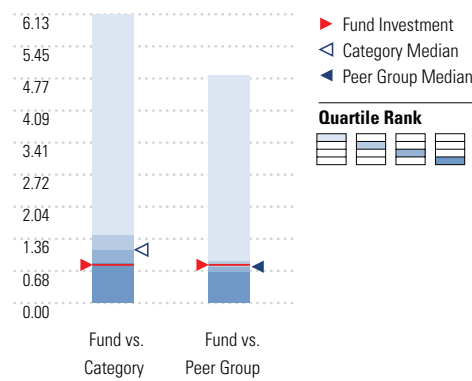
Growth of \$10,000



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	-0.71	-	-0.67
Beta	1.01	-	0.99
R-Squared	94.64	-	89.81
Standard Deviation	12.70	12.19	12.79
Sharpe Ratio	1.13	1.22	1.10
Tracking Error	2.94	-	4.11
Information Ratio	-0.22	-	-0.38
Up Capture Ratio	96.62	-	95.28
Down Capture Ratio	97.14	-	97.60

Portfolio Metrics

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

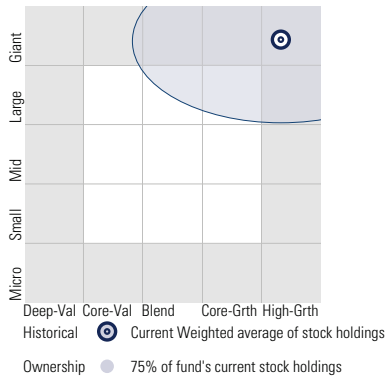
Fidelity® Contrafund® FCNTX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 03-31-2019

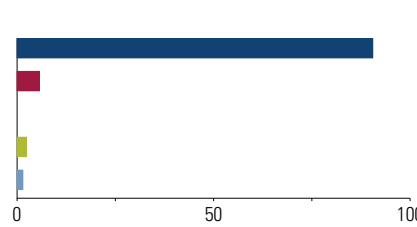
Morningstar Style Box™



Style Breakdown

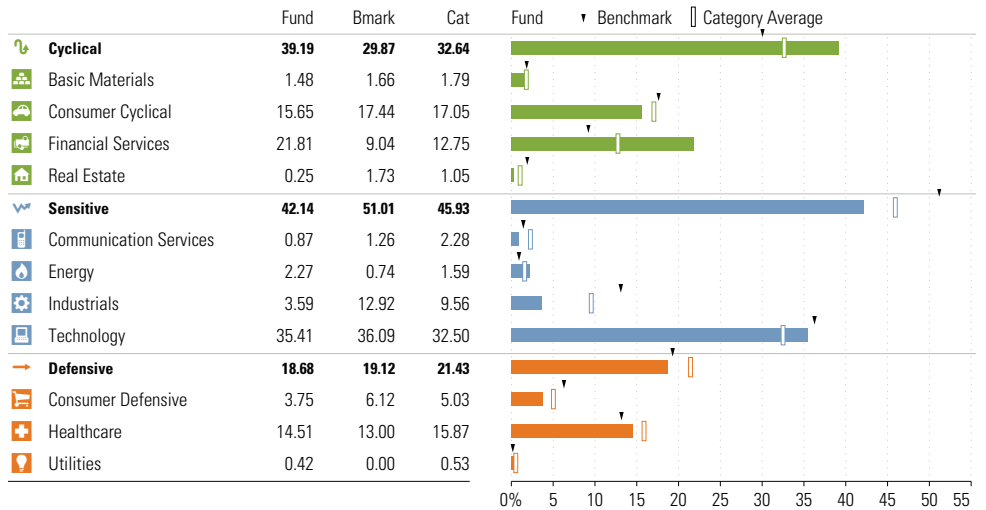


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	90.49	92.09
Non-US Stocks	5.68	5.33
Bonds	0.00	0.04
Cash	2.37	1.81
Other	1.46	0.73
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Amazon.com Inc	6.78	6.78	18.56	Consumer Cyclical
Facebook Inc A	6.28	13.05	27.16	Technology
Berkshire Hathaway Inc A	5.09	18.14	-1.56	Financial Services
Microsoft Corp	4.35	22.49	16.57	Technology
Salesforce.com Inc	3.53	26.01	15.62	Technology
Visa Inc Class A	3.43	29.44	18.57	Financial Services
UnitedHealth Group Inc	3.28	32.72	-0.39	Healthcare
Alphabet Inc A	2.92	35.64	12.63	Technology
Netflix Inc	2.73	38.36	33.21	Consumer Cyclical
Alphabet Inc Class C	2.64	41.01	-	Technology
Adobe Inc	2.56	43.56	17.79	Technology
Fidelity Revere Str Tr	2.37	45.94	-	-
PayPal Holdings Inc	2.26	48.19	-	Financial Services
Mastercard Inc A	2.12	50.32	24.98	Financial Services
Apple Inc	1.79	52.11	20.88	Technology

Total Holdings 324

⊕ 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

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

✔ **Management:** The fund's management has been in place for 13.59 years.

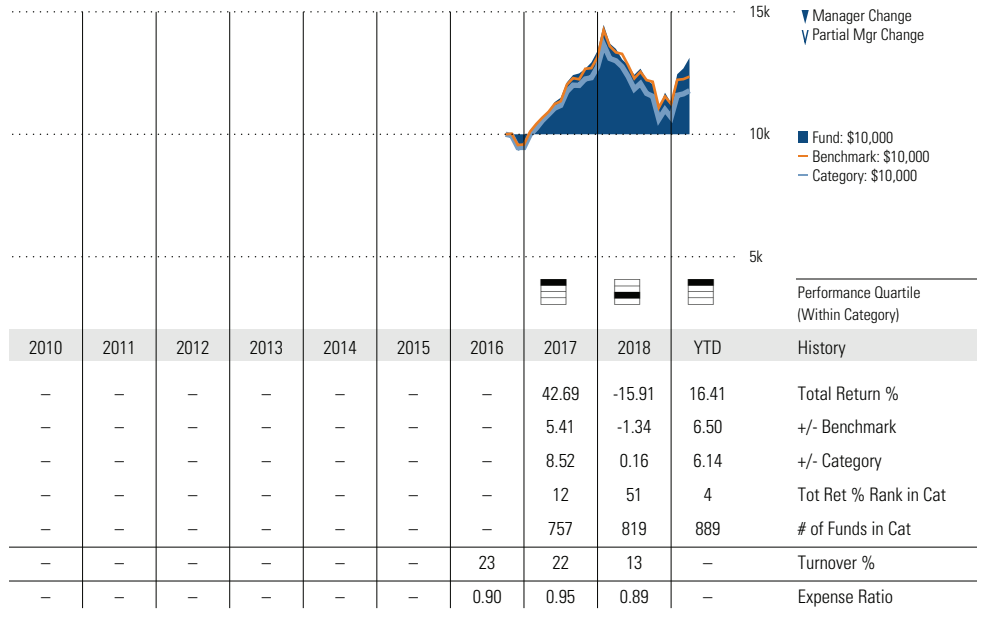
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.89 is 31.54% 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.

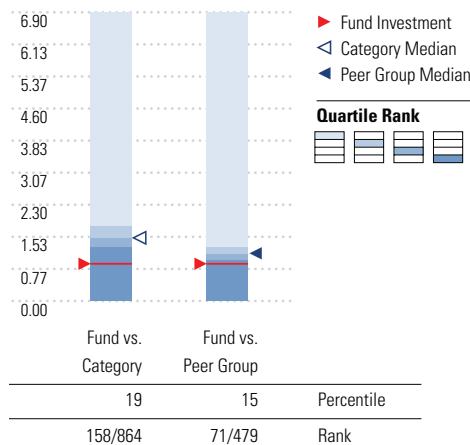
Growth of \$10,000



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	-	-	-0.58
Beta	-	-	0.93
R-Squared	-	-	86.10
Standard Deviation	-	13.02	13.02
Sharpe Ratio	-	0.74	0.64
Tracking Error	-	-	4.84
Information Ratio	-	-	-0.31
Up Capture Ratio	-	-	92.48
Down Capture Ratio	-	-	97.54

Portfolio Metrics

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

JPMorgan Emerging Markets Equity R5 JEMOX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI EM NR USD

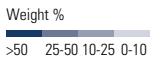
Style Analysis as of 03-31-2019

Morningstar Style Box™

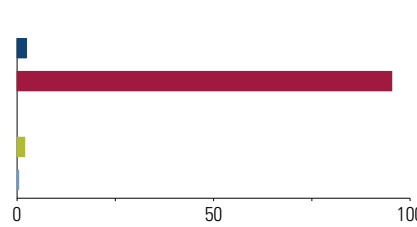


Style Breakdown

Equity			Large Mid Small
Value	Blend	Growth	
4	38	47	
1	5	4	
1	0	0	



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	2.33	2.72
Non-US Stocks	95.33	96.05
Bonds	0.00	1.02
Cash	1.94	-0.32
Other	0.40	0.53
Total	100.00	100.00

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	56.22	46.59	46.79			
Basic Materials	1.66	7.59	6.26			
Consumer Cyclical	16.35	11.57	12.64			
Financial Services	38.21	24.14	25.38			
Real Estate	0.00	3.29	2.51			
Sensitive	30.00	41.79	39.12			
Communication Services	0.00	4.57	3.91			
Energy	0.77	7.88	6.64			
Industrials	4.11	4.97	5.46			
Technology	25.12	24.37	23.11			
Defensive	13.79	11.62	14.09			
Consumer Defensive	13.08	6.64	9.26			
Healthcare	0.00	2.50	2.86			
Utilities	0.71	2.48	1.97			

World Regions % Equity 03-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	73.29	69.31	Americas	16.01	15.52	Greater Europe	10.71	15.19	Developed Markets	25.38
Japan	0.00	0.08	North America	2.39	1.38	United Kingdom	0.00	0.69	Emerging Markets	74.62
Australasia	0.00	0.02	Central/Latin	13.62	14.14	W euro-ex UK	1.48	1.33	Not Available	0.00
Asia-4 Tigers	21.52	23.14				Emrgng Europe	4.19	6.69		
Asia-ex 4 Tigers	51.77	46.07				Africa	5.04	6.48		
Not Classified	0.00	0.00								

Top 10 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Alibaba Group Holding Ltd ADR	5.90	5.90	-	Consumer Cyclical
⊕ Tencent Holdings Ltd	5.79	11.69	14.97	Technology
⊕ AIA Group Ltd	5.45	17.14	26.31	Financial Services
⊕ Taiwan Semiconductor Manufacturing Co Ltd ADR	4.94	22.08	10.97	Technology
⊕ Ping An Insurance (Group) Co. of China Ltd Class H	4.83	26.91	28.04	Financial Services
⊕ Housing Development Finance Corp Ltd	4.30	31.21	0.04	Financial Services
⊕ Samsung Electronics Co Ltd	4.01	35.22	-	Technology
⊕ Sberbank of Russia PJSC	2.88	38.11	-	Financial Services
⊕ HDFC Bank Ltd	2.56	40.67	9.29	Financial Services
⊕ Jpmorgan U.S. Government Money Market Fund, Class Institutional	1.94	42.61	-	-

Total Holdings 65

⊕ 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 12.01 years.

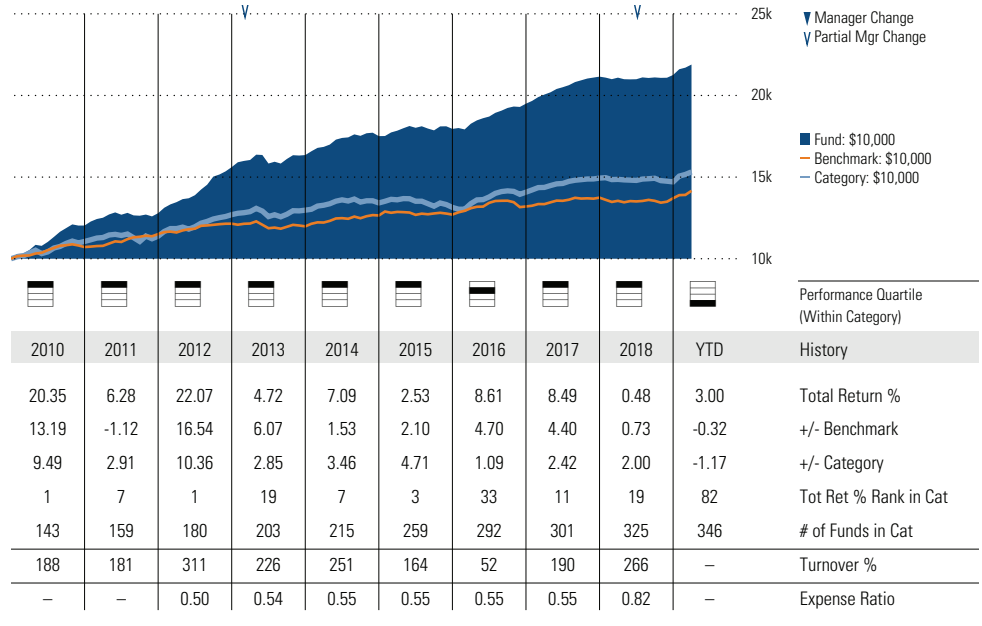
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.82 is 22.64% lower than the Multisector Bond category average.

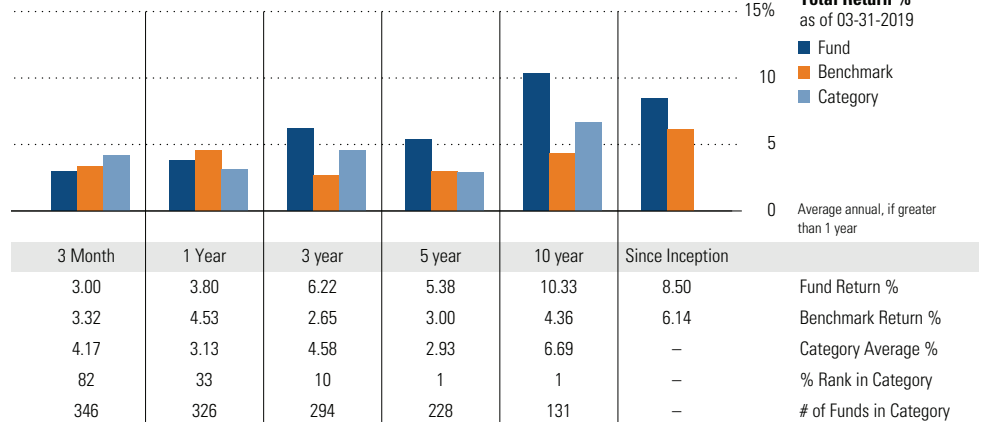
Morningstar Investment Management LLC Analysis

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

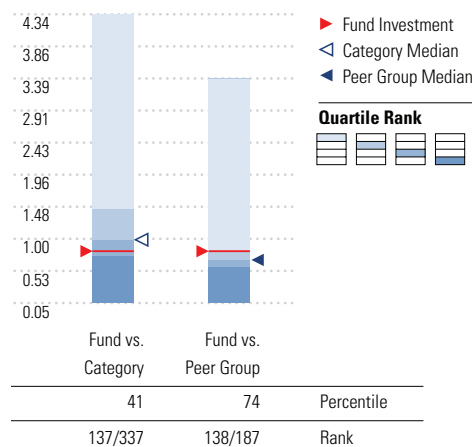
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	5.02	-	2.90
Beta	0.39	-	0.61
R-Squared	41.16	-	36.40
Standard Deviation	1.74	2.83	3.07
Sharpe Ratio	2.61	0.49	1.09
Tracking Error	2.17	-	2.77
Information Ratio	1.65	-	0.66
Up Capture Ratio	109.31	-	104.11
Down Capture Ratio	-17.02	-	35.35

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	1.96	4.55	4.04
Avg Eff Maturity	3.80	7.69	7.46

PIMCO Income I2 PONPX

Morningstar Category
Multisector Bond

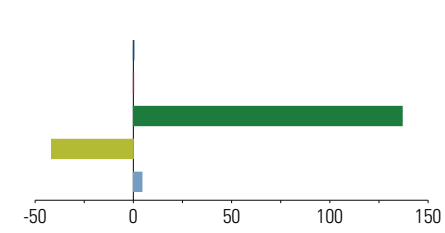
Morningstar Index
BBgBarc US Universal TR USD

Style Analysis as of 03-31-2019

Style Breakdown



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	0.28	1.17
Non-US Stocks	0.14	0.15
Bonds	136.83	92.13
Cash	-41.65	2.55
Other	4.38	4.00
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	56.00	67.64	20.16
AA	7.00	3.23	4.70
A	4.00	10.03	12.02
BBB	14.00	10.89	24.41
BB	6.00	3.19	18.10
B	7.00	3.64	11.89
Below B	6.00	1.38	3.98
Not Rated	0.00	0.00	4.74

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Government	27.99	-	25.29			
Treasury	6.35	-	9.99			
Inflation - Protected	0.87	-	1.63			
Agency/Quasi Agency	0.10	-	1.02			
Other Government Related	20.67	-	12.65			
Corporate	9.35	-	30.63			
Corporate Bond	6.43	-	27.77			
Bank Loan	1.53	-	0.45			
Convertible	1.38	-	1.41			
Preferred	0.01	-	1.00			
Securitized	27.44	-	30.48			
Agency MBS Pass-Through	8.66	-	9.08			
Agency MBS ARM	0.00	-	0.04			
Agency MBS CMO	0.80	-	5.38			
Non-Agency Residential MBS	4.24	-	5.80			
Commercial MBS	1.73	-	0.55			
Asset-Backed	11.84	-	9.54			
Covered Bond	0.17	-	0.09			
Municipal	0.08	-	0.89			
Cash & Equivalents	17.62	-	8.71			
Other	17.03	-	3.63			

Top 10 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ CashOffSet	-	21.79	21.79	-
⊕ Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	16.25	38.04	-
⊖ Irs Usd 2.75000 12/19/18-5y Cme	12-2023	16.08	54.12	-
⊕ Irs Usd 2.75000 12/19/18-5y Cme	12-2023	15.96	70.08	-
⊕ Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	15.84	85.92	-
⊕ Irs Usd 3.14000 07/19/18-5y* Cme	10-2023	9.42	95.34	-
Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub	07-2022	9.23	104.58	-
Cirs Usd 4y Mat 3.82/2.00% M 7/2020 Gln	07-2022	9.23	113.80	-
Cirs Usd 4y Mat 3.82/2.00% M 6/2020 Myc	06-2022	9.22	123.02	-
⊕ Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub	07-2022	9.19	132.22	-

Total Holdings 7182

⊕ 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 team has been in place for less than three years.

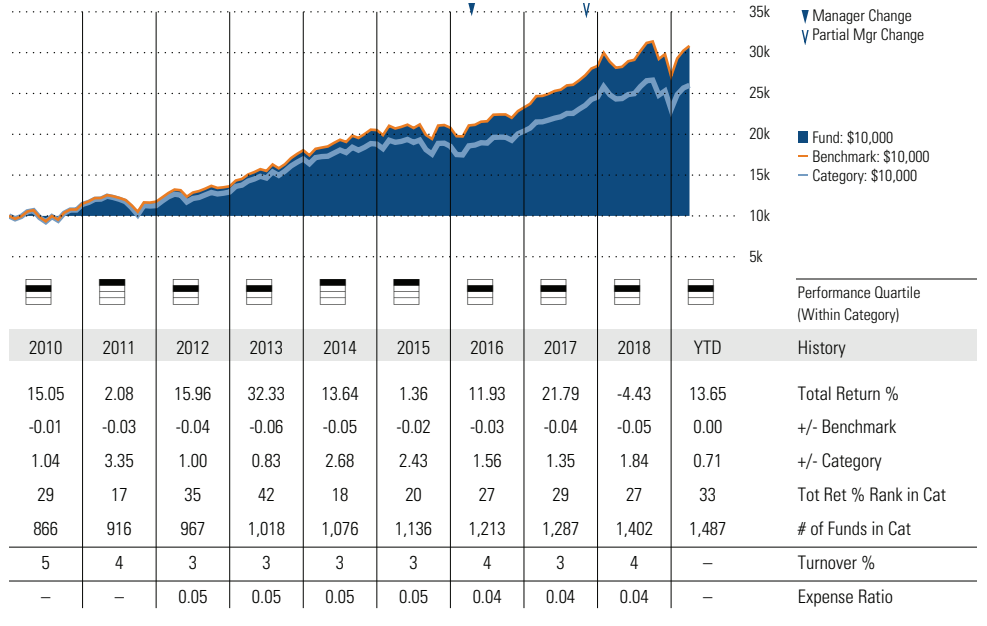
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

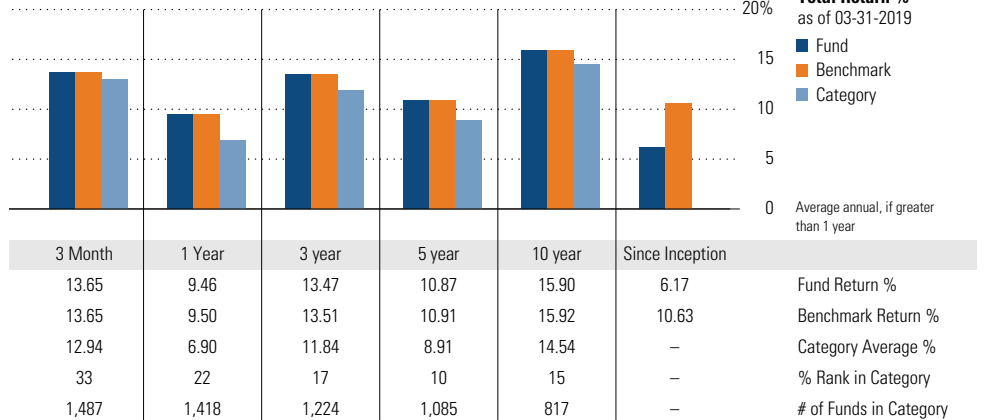
Morningstar Investment Management LLC Analysis

This fund fails our manager tenure screen; however, since it is an index fund, we are not overly concerned about the manager change.

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.04	-	-1.27
Beta	1.00	-	0.97
R-Squared	100.00	-	91.55
Standard Deviation	10.73	10.73	10.83
Sharpe Ratio	1.11	1.12	0.96
Tracking Error	0.01	-	2.93
Information Ratio	-4.37	-	-1.32
Up Capture Ratio	99.86	-	90.88
Down Capture Ratio	100.08	-	97.96

Portfolio Metrics

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

Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Style Analysis as of 03-31-2019

Morningstar Style Box™



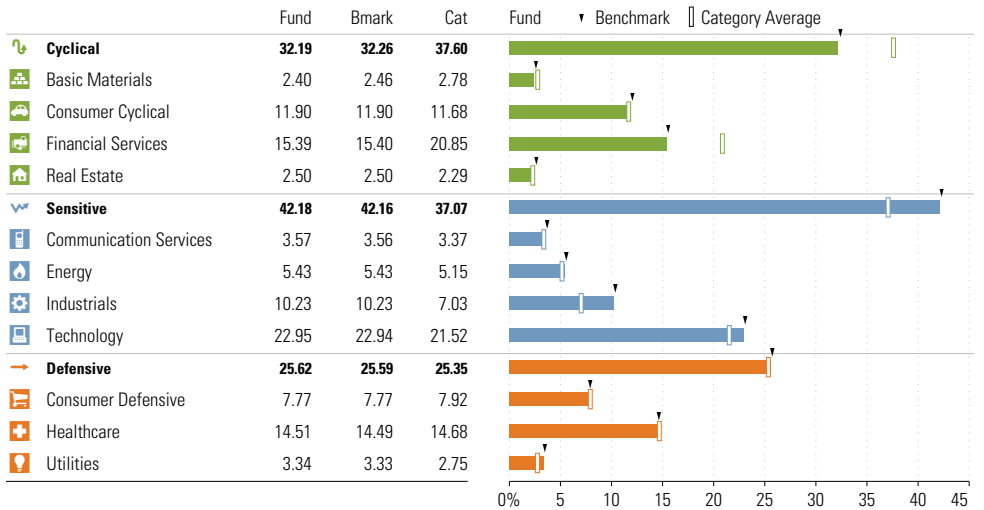
Style Breakdown



Asset Allocation as of 03-31-2019



Sector Weighting as of 03-31-2019



Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	3.81	3.81	16.57	Technology
⊕ Apple Inc	3.59	7.40	20.88	Technology
⊕ Amazon.com Inc	3.10	10.49	18.56	Consumer Cyclical
⊕ Facebook Inc A	1.68	12.17	27.16	Technology
⊕ Berkshire Hathaway Inc B	1.59	13.76	-1.61	Financial Services
⊕ Johnson & Johnson	1.57	15.33	9.02	Healthcare
⊕ Alphabet Inc Class C	1.52	16.85	-	Technology
⊕ Alphabet Inc A	1.49	18.34	12.63	Technology
⊕ Exxon Mobil Corp	1.44	19.78	19.69	Energy
⊖ JPMorgan Chase & Co	1.40	21.17	4.52	Financial Services
⊕ Visa Inc Class A	1.15	22.33	18.57	Financial Services
⊕ Procter & Gamble Co	1.10	23.42	13.98	Consumer Defensive
⊖ Bank of America Corporation	1.04	24.47	12.58	Financial Services
⊕ Verizon Communications Inc	1.03	25.50	6.25	Communication Svc
⊕ Intel Corp	1.02	26.51	15.10	Technology

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 6.1 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 93% lower than the Foreign Large Blend category average.

Morningstar Investment Management LLC Analysis

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

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.28	-	-1.34
Beta	0.98	-	0.98
R-Squared	96.82	-	90.48
Standard Deviation	10.50	10.56	10.83
Sharpe Ratio	0.63	0.67	0.51
Tracking Error	1.89	-	3.31
Information Ratio	-0.26	-	-0.51
Up Capture Ratio	95.38	-	91.56
Down Capture Ratio	96.41	-	99.97

Portfolio Metrics

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

Vanguard Developed Markets Index Admiral VTMGX

Morningstar Category
Foreign Large Blend

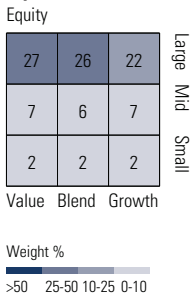
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 03-31-2019

Morningstar Style Box™



Style Breakdown



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	1.21	4.14
Non-US Stocks	96.14	93.72
Bonds	0.00	2.01
Cash	2.59	-0.48
Other	0.06	0.61
Total	100.00	100.00

Sector Weighting as of 03-31-2019



World Regions % Equity 03-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %
Greater Asia	36.95	36.57	Americas	9.77	8.21	Greater Europe	53.28	55.22	Market Maturity	Fund %
Japan	21.87	19.45	North America	9.74	7.18	United Kingdom	14.48	15.10	Developed Markets	98.61
Australasia	6.09	4.72	Central/Latin	0.03	1.03	W euro-ex UK	37.60	39.00	Emerging Markets	1.39
Asia-4 Tigers	8.37	6.73				Emrgng Europe	0.72	0.38	Not Available	0.00
Asia-ex 4 Tigers	0.62	5.67				Africa	0.48	0.74		
Not Classified	0.00	0.00								

Top 10 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Cmt Market Liquidity Rate	2.52	2.52	-	-
⊕ Nestle SA	1.54	4.05	19.02	Consumer Defensive
⊕ Novartis AG	1.12	5.18	18.69	Healthcare
⊕ Roche Holding AG Dividend Right Cert.	1.02	6.20	17.25	Healthcare
⊕ Samsung Electronics Co Ltd	0.91	7.10	-	Technology
⊕ HSBC Holdings PLC	0.88	7.98	4.51	Financial Services
⊖ Toyota Motor Corp	0.79	8.77	3.90	Consumer Cyclical
⊕ BP PLC	0.77	9.54	17.22	Energy
⊖ Royal Dutch Shell PLC Class A	0.75	10.29	-	Energy
⊕ Total SA	0.75	11.04	10.08	Energy

Total Holdings 3956

⊕ 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 20.87 years.

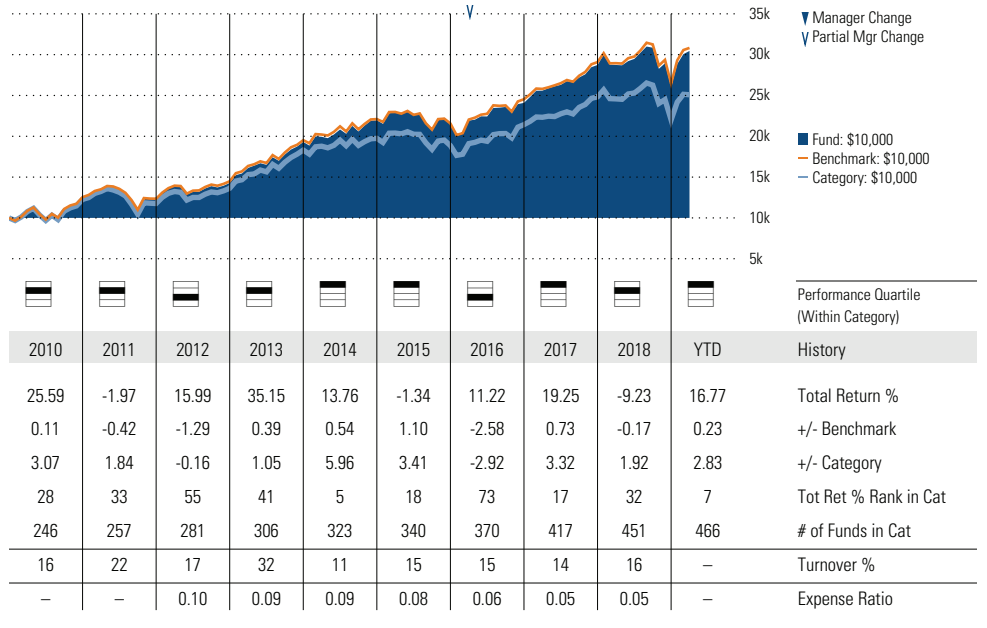
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95.05% lower than the Mid-Cap Blend category average.

Morningstar Investment Management LLC Analysis

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

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.02	-	-2.37
Beta	0.98	-	1.01
R-Squared	99.08	-	89.36
Standard Deviation	12.05	12.19	13.11
Sharpe Ratio	0.87	0.87	0.65
Tracking Error	1.17	-	4.26
Information Ratio	-0.19	-	-0.67
Up Capture Ratio	97.23	-	89.83
Down Capture Ratio	96.23	-	102.31

Portfolio Metrics

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

Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

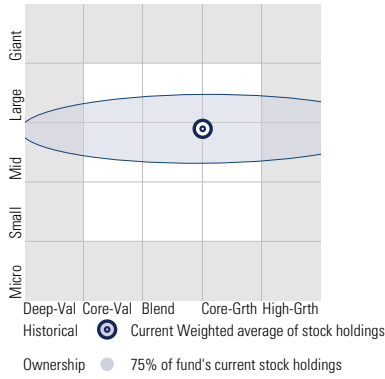
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

Style Analysis as of 03-31-2019

Morningstar Style Box™



Style Breakdown

Equity			Large Mid Small
Value	Blend	Growth	
5	11	20	Large
23	23	19	Mid
0	0	0	Small



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	96.98	94.63
Non-US Stocks	1.73	2.21
Bonds	0.01	0.11
Cash	0.96	2.86
Other	0.32	0.20
Total	100.00	100.00

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	39.00	40.32	43.59			
Basic Materials	3.83	4.16	5.45			
Consumer Cyclical	14.95	14.24	14.46			
Financial Services	12.48	12.42	15.65			
Real Estate	7.74	9.50	8.03			
Sensitive	40.06	38.48	38.27			
Communication Services	1.54	0.95	1.37			
Energy	5.07	4.24	4.35			
Industrials	14.76	15.37	15.37			
Technology	18.69	17.92	17.18			
Defensive	20.93	21.21	18.13			
Consumer Defensive	4.22	5.20	4.28			
Healthcare	10.13	9.57	9.97			
Utilities	6.58	6.44	3.88			

Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Cmt Market Liquidity Rate	0.94	0.94	—	—
⊕ Roper Technologies Inc	0.84	1.78	28.48	Industrials
⊕ Fiserv Inc	0.83	2.61	20.13	Industrials
⊕ Worldpay Inc Class A	0.81	3.42	48.50	Industrials
⊕ Xilinx Inc	0.76	4.18	49.29	Technology
⊖ Red Hat Inc	0.73	4.91	4.02	Technology
⊕ Moody's Corporation	0.70	5.61	29.67	Financial Services
⊕ ONEOK Inc	0.68	6.29	31.05	Energy
⊕ Amphenol Corp Class A	0.67	6.95	16.85	Technology
⊕ WEC Energy Group Inc	0.59	7.54	15.03	Utilities
⊕ Digital Realty Trust Inc	0.58	8.12	12.70	Real Estate
⊖ IQVIA Holdings Inc	0.57	8.70	23.83	Healthcare
⊕ Twitter Inc	0.57	9.26	—	Technology
⊖ Dollar Tree Inc	0.56	9.82	16.30	Consumer Defensive
⊕ Waste Connections Inc	0.55	10.38	19.53	Industrials

Total Holdings 373

⊕ 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 22.9 years.

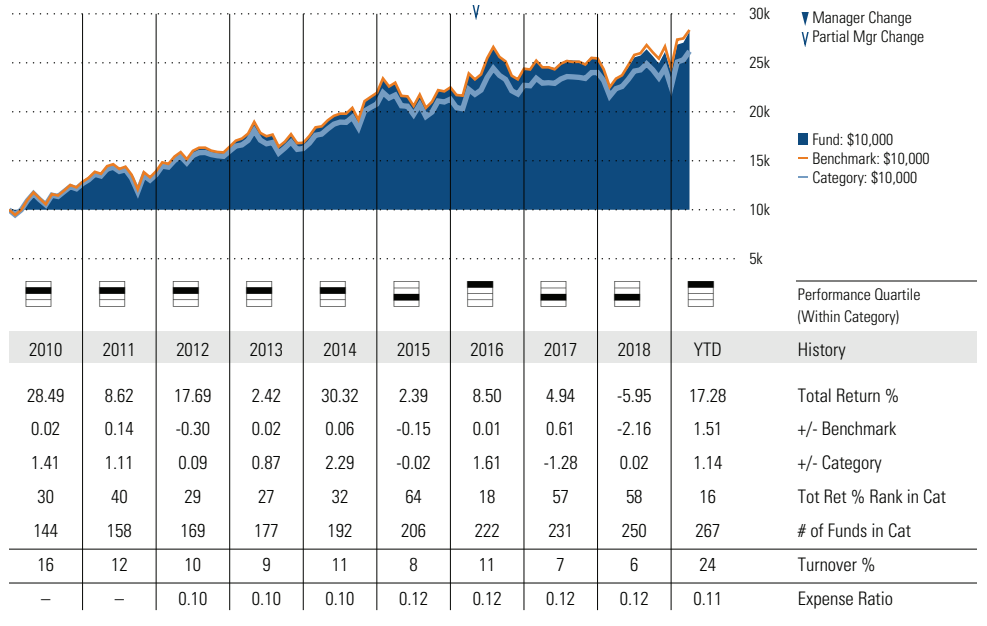
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 88.57 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.11 is 90.43% 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	-0.03	-	0.30
Beta	0.98	-	0.90
R-Squared	99.39	-	94.22
Standard Deviation	13.82	14.01	13.05
Sharpe Ratio	0.38	0.38	0.40
Tracking Error	1.11	-	3.11
Information Ratio	-0.11	-	-0.25
Up Capture Ratio	97.64	-	89.13
Down Capture Ratio	97.61	-	87.03

Portfolio Metrics

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

Vanguard Real Estate Index Admiral VGSLX

Morningstar Category
Real Estate

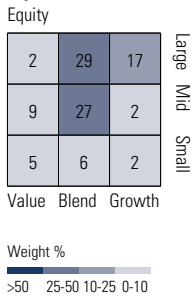
Morningstar Index
S&P United States REIT TR USD

Style Analysis as of 03-31-2019

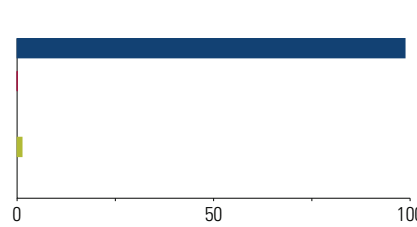
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	98.71	87.30
Non-US Stocks	0.04	0.78
Bonds	0.00	3.52
Cash	1.25	3.86
Other	0.00	4.56
Total	100.00	100.00

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	89.63	99.13	94.62			
Basic Materials	2.08	0.00	0.58			
Consumer Cyclical	0.00	0.13	0.84			
Financial Services	0.00	0.00	0.10			
Real Estate	87.55	99.00	93.10			
Sensitive	10.37	0.87	5.29			
Communication Services	9.47	0.00	4.45			
Energy	0.00	0.00	0.02			
Industrials	0.90	0.87	0.50			
Technology	0.00	0.00	0.32			
Defensive	0.00	0.00	0.08			
Consumer Defensive	0.00	0.00	0.00			
Healthcare	0.00	0.00	0.03			
Utilities	0.00	0.00	0.05			

Top 15 Holdings as of 03-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.00	11.00	—	—
⊕ American Tower Corp	6.65	17.65	24.57	Communication Svc
⊕ Simon Property Group Inc	4.32	21.97	9.69	Real Estate
⊕ Crown Castle International Corp	4.07	26.04	18.87	Real Estate
⊕ Prologis Inc	3.47	29.51	23.43	Real Estate
⊕ Equinix Inc	2.79	32.30	29.23	Real Estate
⊕ Public Storage	2.62	34.91	8.58	Real Estate
⊕ Welltower Inc	2.23	37.15	13.05	Real Estate
⊕ Equity Residential	2.12	39.27	14.96	Real Estate
⊕ AvalonBay Communities Inc	2.12	41.40	16.20	Real Estate
⊕ Digital Realty Trust Inc	1.88	43.28	12.70	Real Estate
⊕ Ventas Inc	1.74	45.02	10.26	Real Estate
⊕ SBA Communications Corp	1.73	46.75	23.33	Communication Svc
⊕ Realty Income Corp	1.66	48.41	17.76	Real Estate
⊕ Boston Properties Inc	1.59	50.00	19.80	Real Estate

Total Holdings 190

⊕ 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)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2015 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 6.1 years.

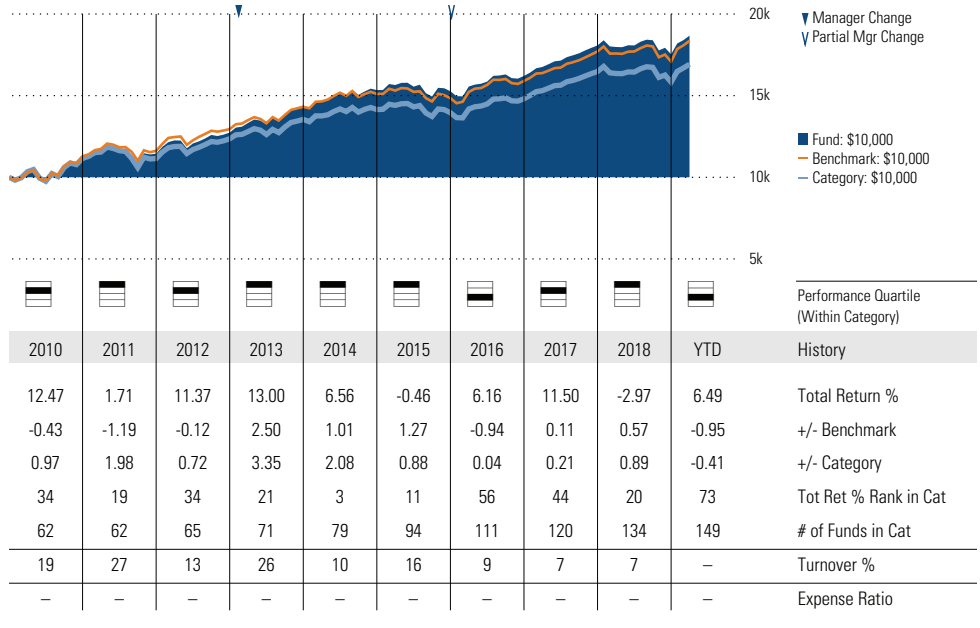
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 81.94% lower than the Target-Date 2015 category average.

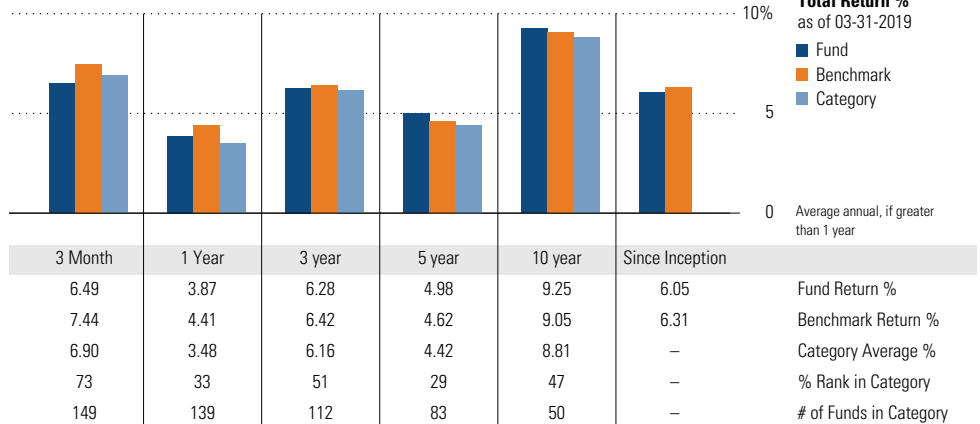
Morningstar Investment Management LLC Analysis

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

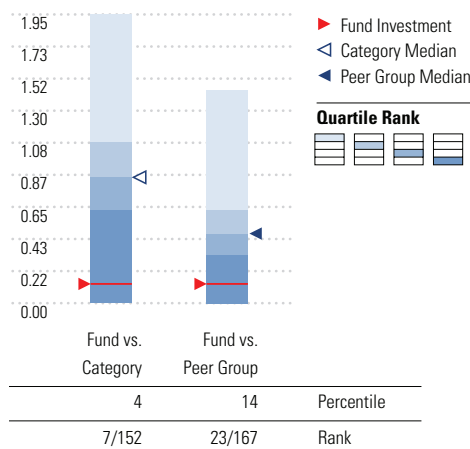
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.55	-	-0.06
Beta	0.89	-	0.97
R-Squared	97.99	-	94.17
Standard Deviation	4.39	4.89	4.90
Sharpe Ratio	1.11	1.03	0.98
Tracking Error	0.83	-	1.24
Information Ratio	-0.17	-	-0.19
Up Capture Ratio	93.25	-	94.97
Down Capture Ratio	85.71	-	93.14

Portfolio Metrics

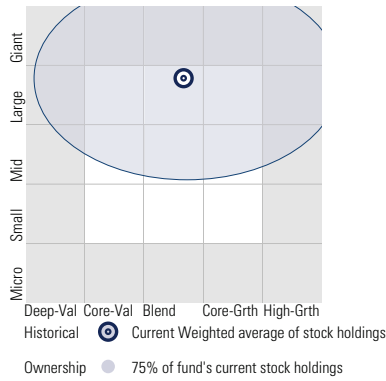
	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	17.82	18.03
Price/Book Ratio	2.19	2.17	2.27
Avg Eff Duration	5.78	7.24	4.31

Vanguard Target Retirement 2015 Inv VTXVX

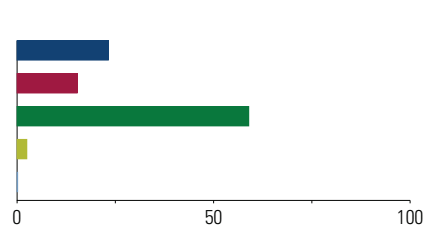
Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

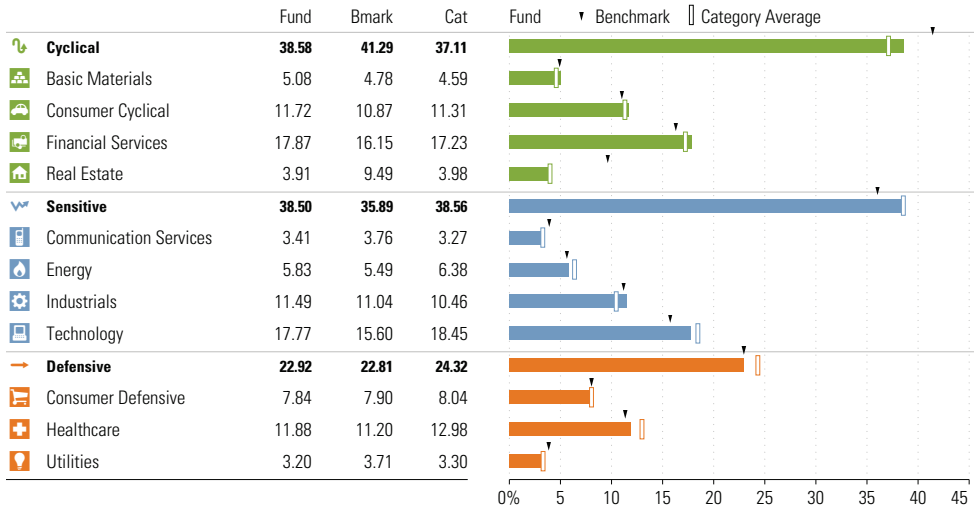


Asset Allocation as of 03-31-2019

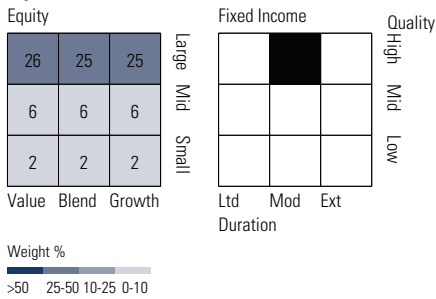


Asset Class	Net %	Cat%
US Stocks	23.21	26.63
Non-US Stocks	15.27	14.73
Bonds	58.93	50.87
Cash	2.46	4.78
Other	0.13	3.00
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 6 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	-	33.85	33.85	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	23.46	57.31	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	15.65	72.96	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	14.39	87.36	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	12.61	99.96	-	-
⊖ Cmt Market Liquidity Rate	-	0.04	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2020 Inv VTWNX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.1 years.

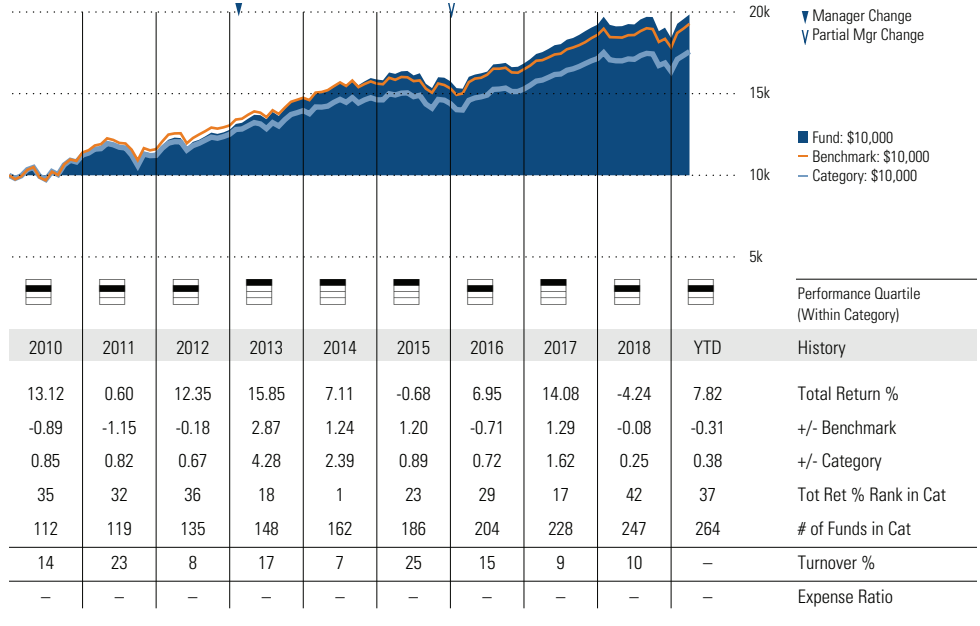
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 83.33% lower than the Target-Date 2020 category average.

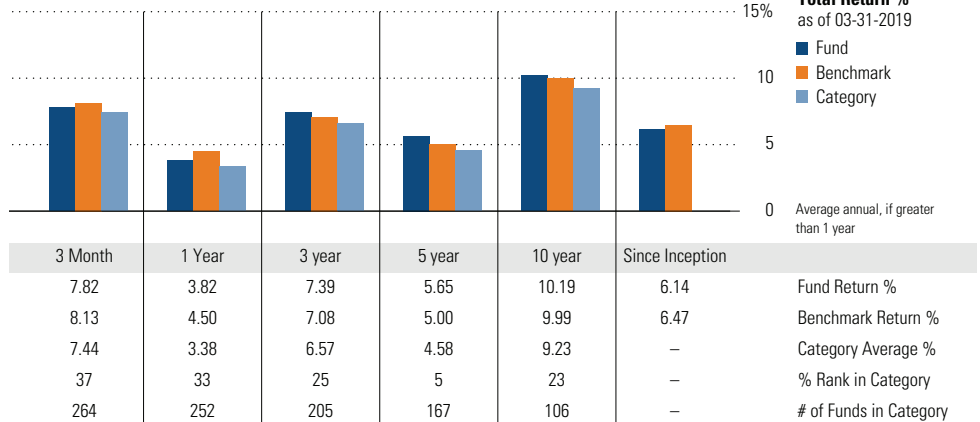
Morningstar Investment Management LLC Analysis

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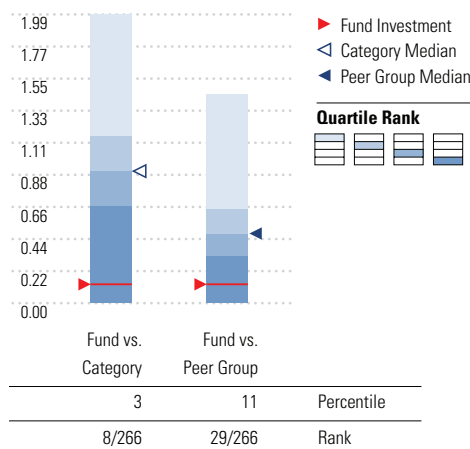
Growth of \$10,000



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	0.21	-	-0.19
Beta	1.01	-	0.93
R-Squared	97.39	-	92.47
Standard Deviation	5.58	5.44	5.28
Sharpe Ratio	1.07	1.05	0.95
Tracking Error	0.90	-	1.51
Information Ratio	0.34	-	-0.40
Up Capture Ratio	103.04	-	91.98
Down Capture Ratio	101.02	-	94.25

Portfolio Metrics

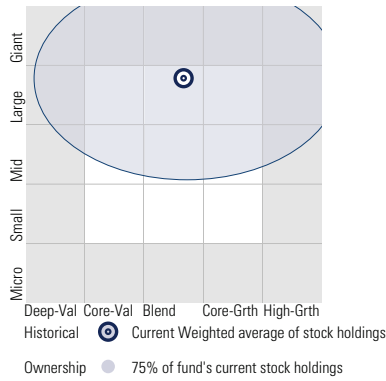
	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	17.75	17.87
Price/Book Ratio	2.19	2.15	2.22
Avg Eff Duration	6.09	7.97	5.46

Vanguard Target Retirement 2020 Inv VTWNX

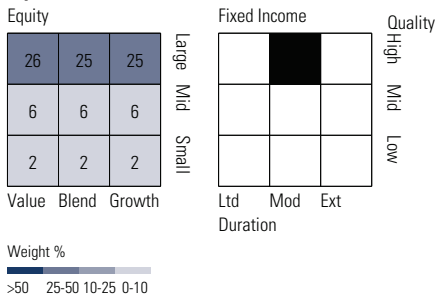
Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

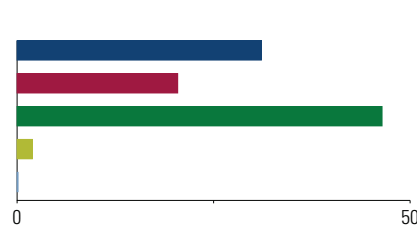
Style Analysis as of 03-31-2019
Morningstar Style Box™



Style Breakdown

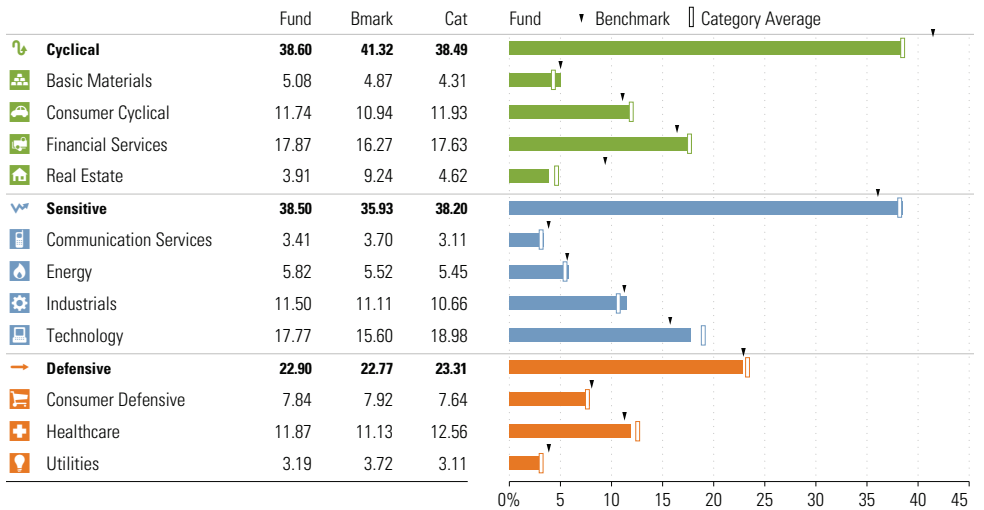


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	31.08	29.11
Non-US Stocks	20.43	13.79
Bonds	46.43	49.67
Cash	1.94	4.48
Other	0.12	2.95
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 6 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	31.41	31.41	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	29.32	60.73	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	20.94	81.67	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	12.37	94.04	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	5.96	100.00	-	-
⊖ Cmt Market Liquidity Rate	-	0.00	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.1 years.

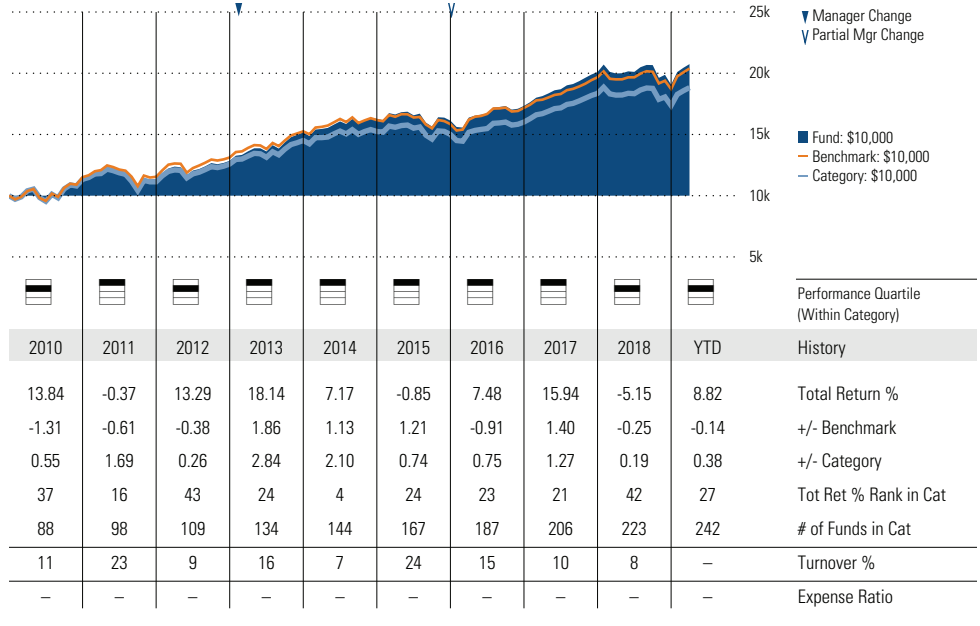
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 83.12% lower than the Target-Date 2025 category average.

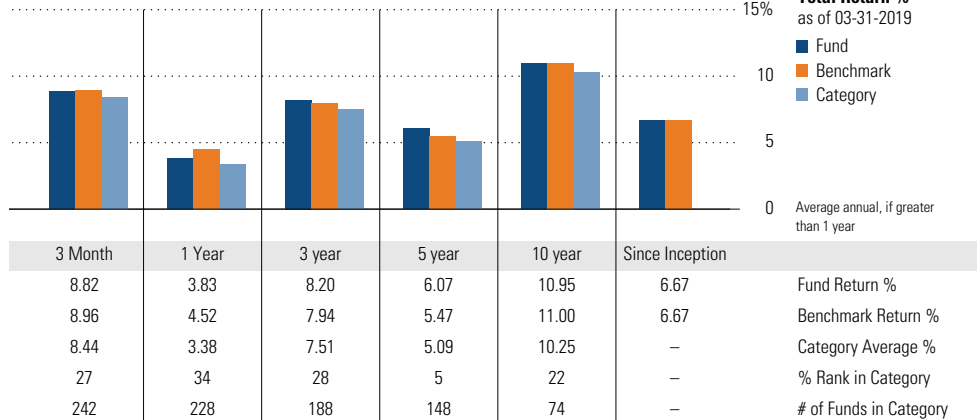
Morningstar Investment Management LLC Analysis

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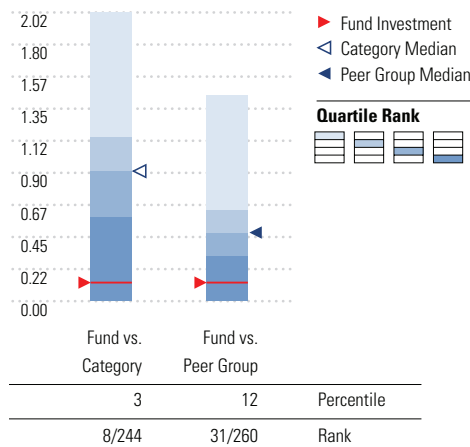
Growth of \$10,000



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

	Fund	Bmark	Cat
Alpha	-0.02	-	-0.41
Beta	1.04	-	0.99
R-Squared	98.06	-	95.81
Standard Deviation	6.44	6.16	6.23
Sharpe Ratio	1.05	1.06	0.97
Tracking Error	0.92	-	1.38
Information Ratio	0.28	-	-0.40
Up Capture Ratio	104.20	-	96.63
Down Capture Ratio	105.90	-	101.88

Portfolio Metrics

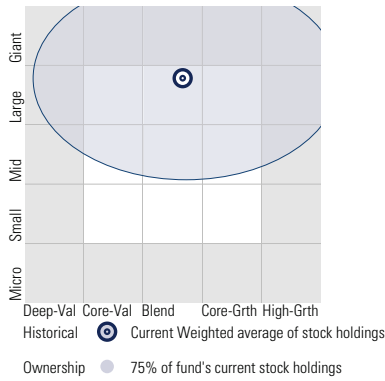
	Fund	Bmark	Cat
Price/Earnings Ratio	17.78	17.67	17.99
Price/Book Ratio	2.19	2.12	2.26
Avg Eff Duration	6.56	8.54	5.45

Vanguard Target Retirement 2025 Inv VTTVX

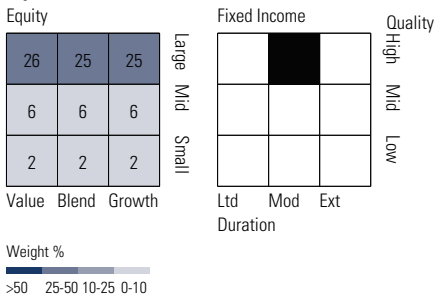
Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

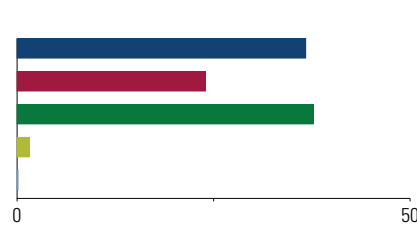
Style Analysis as of 03-31-2019
Morningstar Style Box™



Style Breakdown

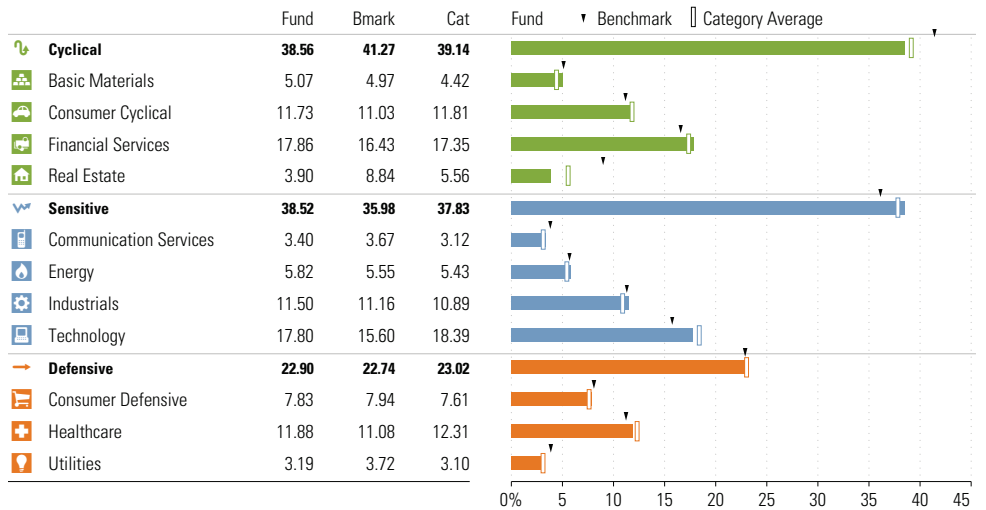


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	36.71	35.41
Non-US Stocks	23.97	18.57
Bonds	37.66	38.46
Cash	1.54	3.74
Other	0.12	3.82
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	37.10	37.10	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	26.87	63.98	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	24.56	88.54	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	11.43	99.97	—	—
⊖ Cmt Market Liquidity Rate	—	0.03	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2030 Inv VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)

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 6.1 years.

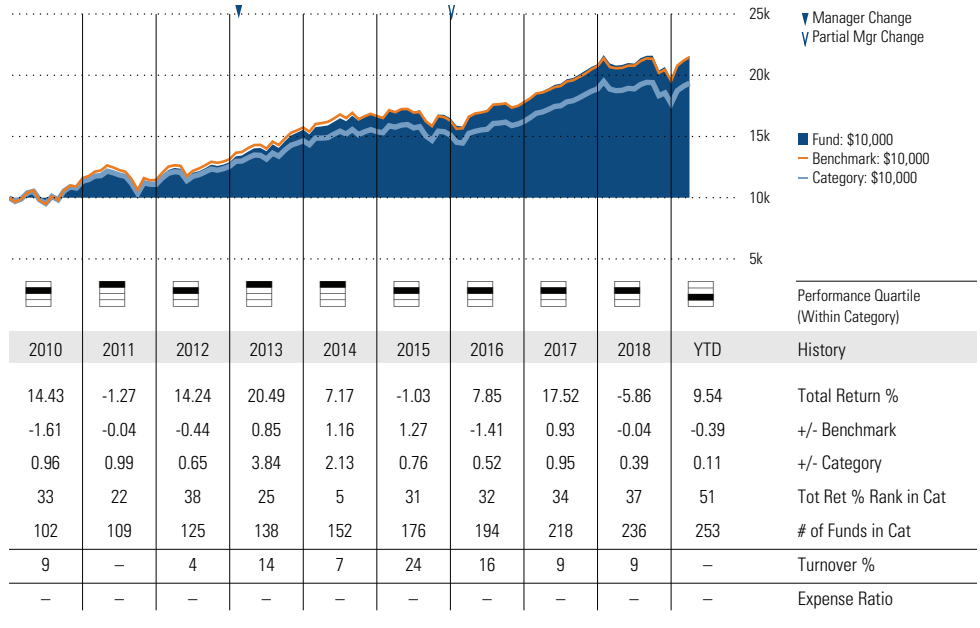
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.72% lower than the Target-Date 2030 category average.

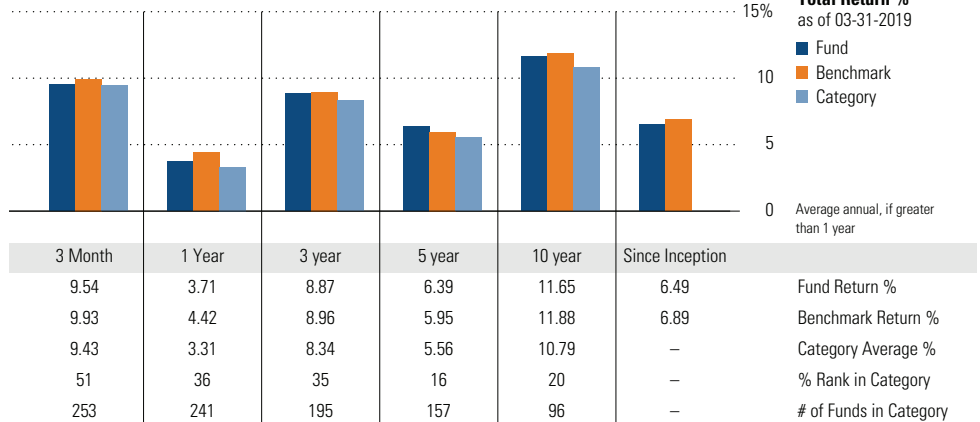
Morningstar Investment Management LLC Analysis

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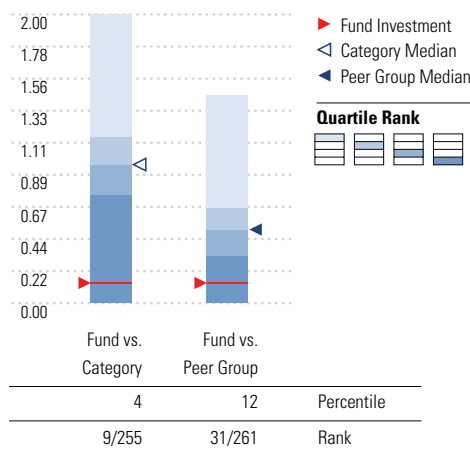
Growth of \$10,000



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

	Fund	Bmark	Cat
Alpha	-0.13	-	-0.57
Beta	1.01	-	0.99
R-Squared	98.69	-	94.78
Standard Deviation	7.18	7.09	7.22
Sharpe Ratio	1.04	1.06	0.95
Tracking Error	0.82	-	1.53
Information Ratio	-0.11	-	-0.47
Up Capture Ratio	100.61	-	96.71
Down Capture Ratio	103.10	-	103.57

Portfolio Metrics

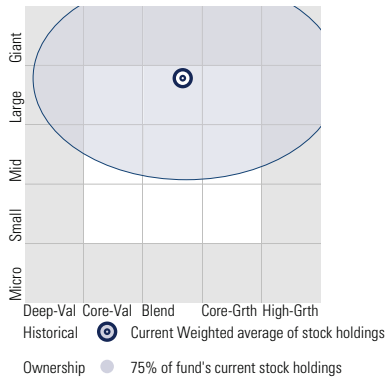
	Fund	Bmark	Cat
Price/Earnings Ratio	17.78	17.60	17.87
Price/Book Ratio	2.19	2.10	2.20
Avg Eff Duration	6.56	8.89	5.54

Vanguard Target Retirement 2030 Inv VTHRX

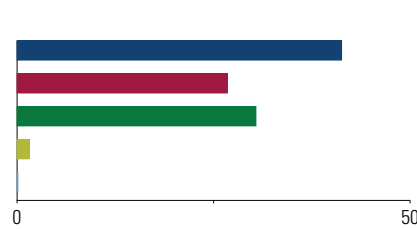
Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

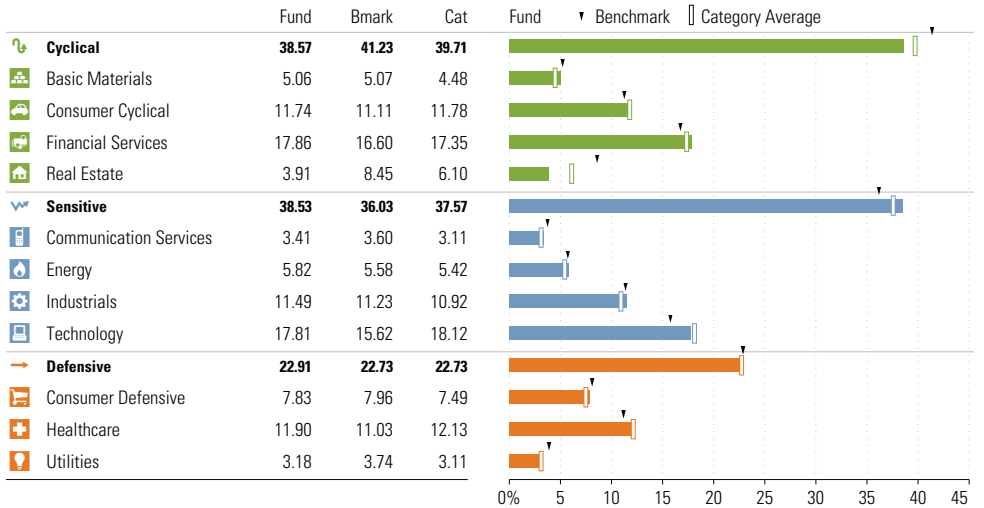


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	41.28	42.34
Non-US Stocks	26.72	22.87
Bonds	30.38	28.51
Cash	1.53	3.22
Other	0.10	3.08
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	41.72	41.72	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	27.37	69.10	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	21.70	90.80	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	9.19	99.99	-	-
⊖ Cmt Market Liquidity Rate	-	0.01	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)

William Coleman since 02-2013
Walter Nejman 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 6.1 years.

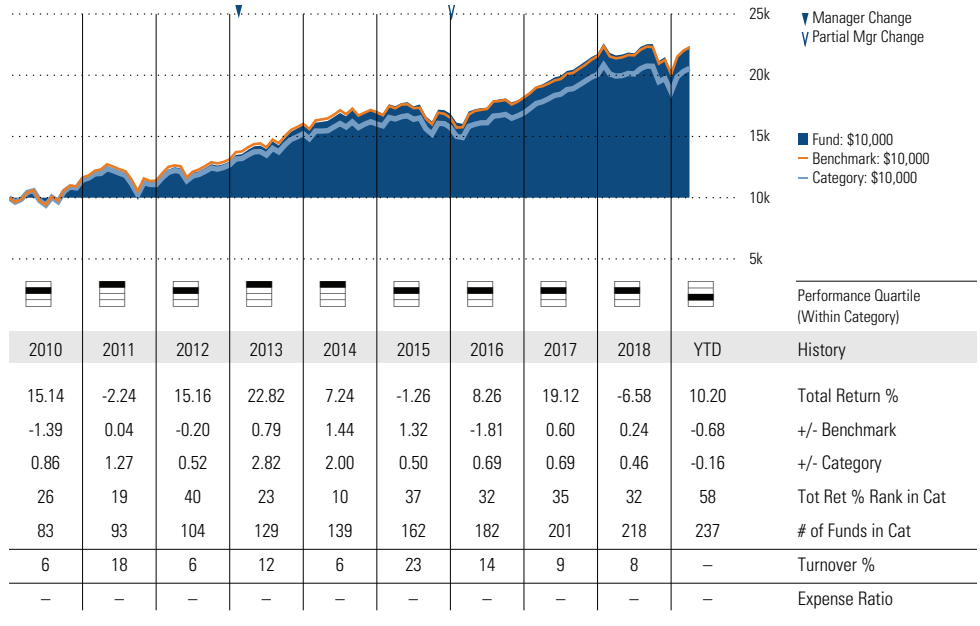
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.05% lower than the Target-Date 2035 category average.

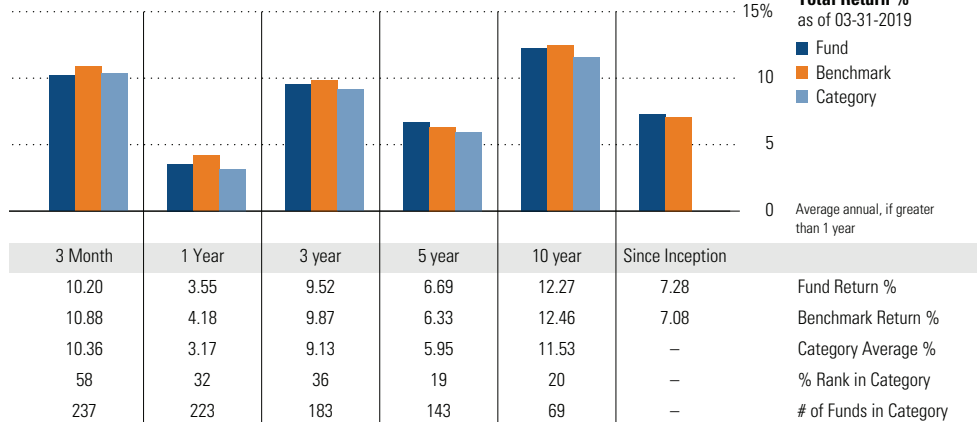
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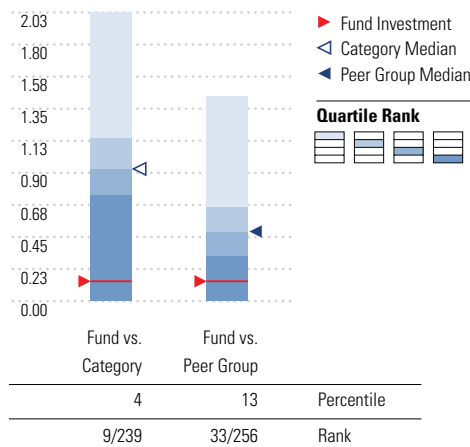
Growth of \$10,000



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	-0.09	-	-0.63
Beta	0.98	-	0.99
R-Squared	98.98	-	97.56
Standard Deviation	7.92	8.07	8.11
Sharpe Ratio	1.02	1.05	0.95
Tracking Error	0.82	-	1.33
Information Ratio	-0.42	-	-0.60
Up Capture Ratio	97.77	-	96.27
Down Capture Ratio	99.54	-	102.04

Portfolio Metrics

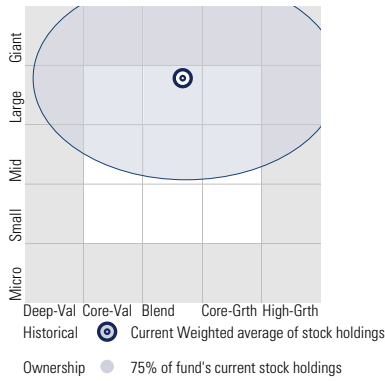
	Fund	Bmark	Cat
Price/Earnings Ratio	17.77	17.52	18.00
Price/Book Ratio	2.19	2.08	2.24
Avg Eff Duration	6.56	8.97	5.73

Vanguard Target Retirement 2035 Inv VTTHX

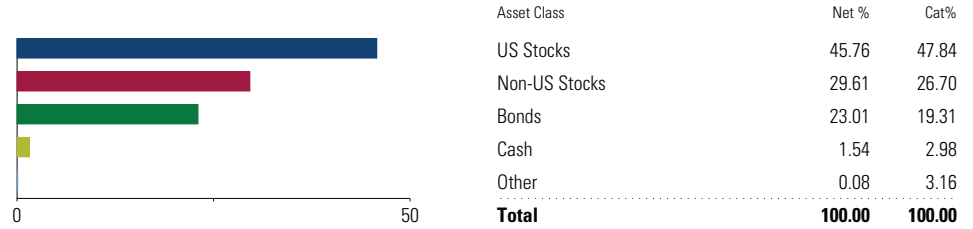
Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

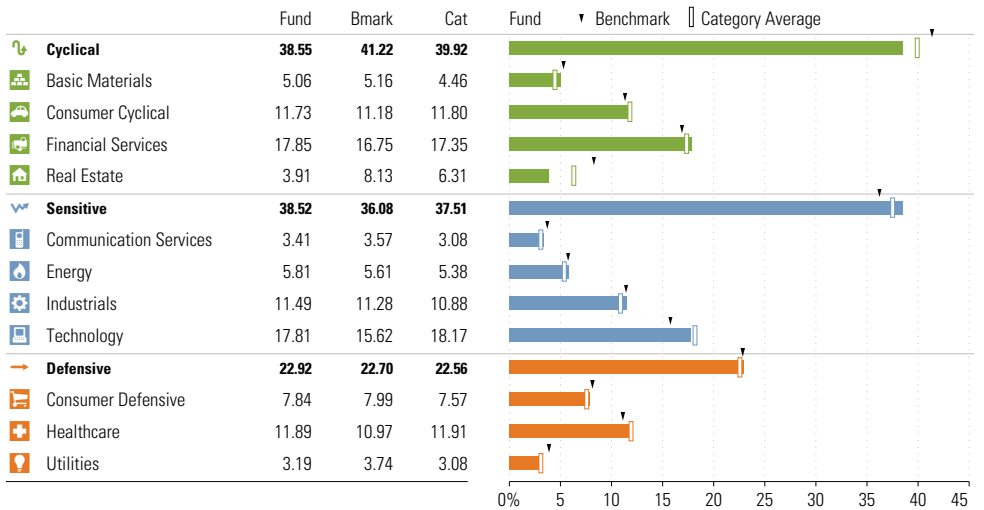
Style Analysis as of 03-31-2019
Morningstar Style Box™



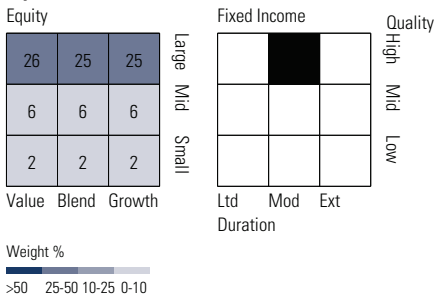
Asset Allocation as of 03-31-2019



Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	46.25	46.25	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	30.33	76.58	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	16.46	93.05	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	6.94	99.98	—	—
⊖ Cmt Market Liquidity Rate	—	0.02	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)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2040 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 6.1 years.

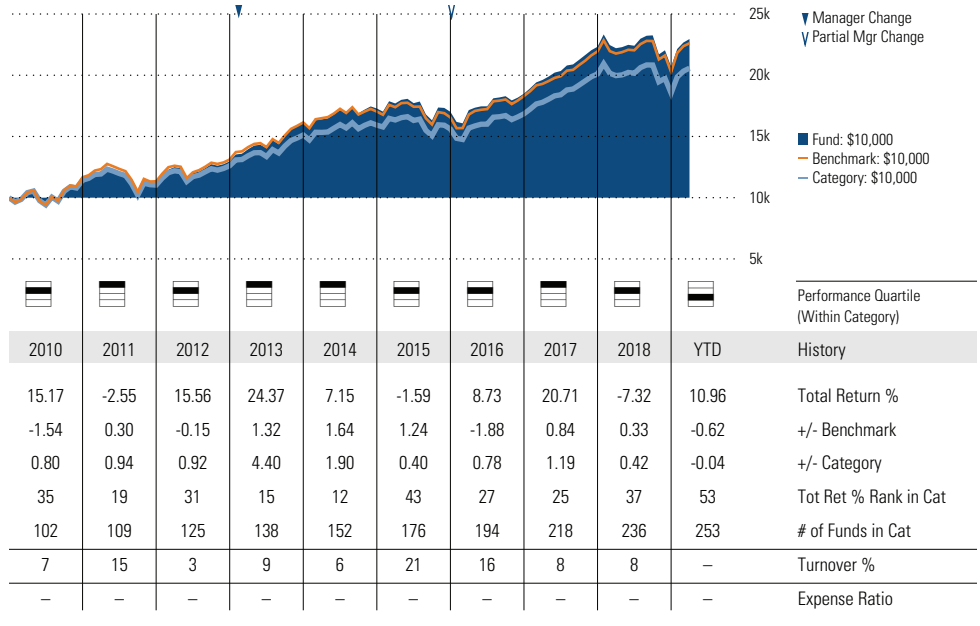
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.93% lower than the Target-Date 2040 category average.

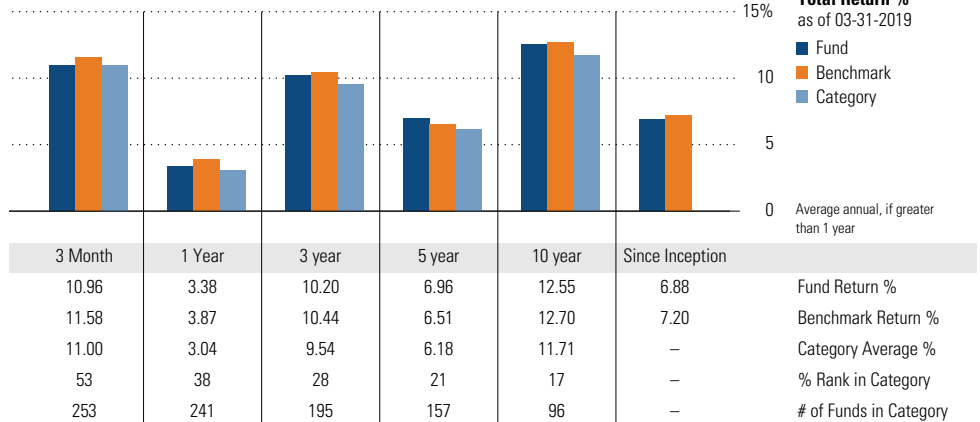
Morningstar Investment Management LLC Analysis

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

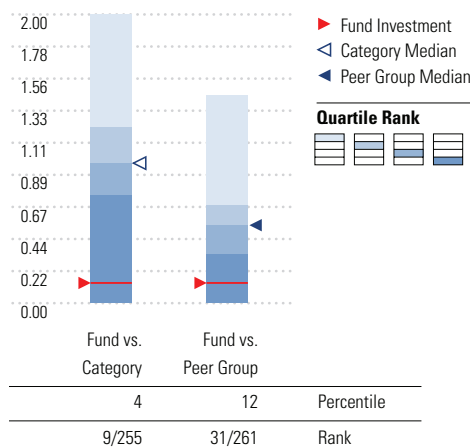
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.00	-	-0.56
Beta	0.98	-	0.96
R-Squared	99.08	-	95.35
Standard Deviation	8.66	8.82	8.71
Sharpe Ratio	1.02	1.02	0.93
Tracking Error	0.85	-	1.60
Information Ratio	-0.27	-	-0.67
Up Capture Ratio	98.44	-	94.39
Down Capture Ratio	99.32	-	99.69

Portfolio Metrics

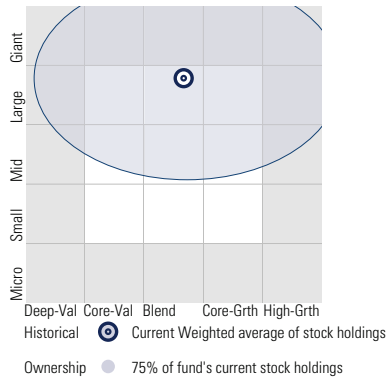
	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	17.44	17.85
Price/Book Ratio	2.19	2.06	2.20
Avg Eff Duration	6.55	9.04	5.69

Vanguard Target Retirement 2040 Inv VFORX

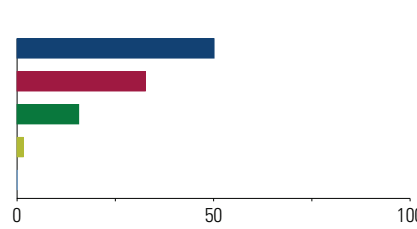
Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™



Asset Allocation as of 03-31-2019

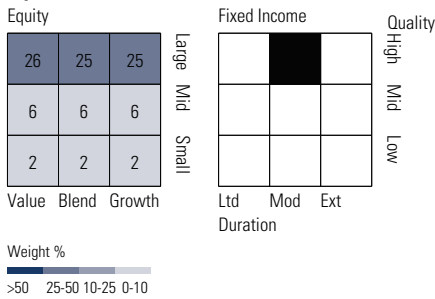


Asset Class	Net %	Cat%
US Stocks	50.11	52.37
Non-US Stocks	32.61	29.16
Bonds	15.66	12.94
Cash	1.54	2.72
Other	0.07	2.83
Total	100.00	100.00

Sector Weighting as of 03-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	38.57	41.30	40.24			
Basic Materials	5.07	5.25	4.46			
Consumer Cyclical	11.73	11.22	11.78			
Financial Services	17.87	16.85	17.07			
Real Estate	3.90	7.98	6.93			
Sensitive	38.51	36.10	37.30			
Communication Services	3.41	3.57	3.03			
Energy	5.82	5.64	5.31			
Industrials	11.49	11.29	10.94			
Technology	17.79	15.60	18.02			
Defensive	22.92	22.60	22.45			
Consumer Defensive	7.84	7.99	7.42			
Healthcare	11.89	10.88	11.96			
Utilities	3.19	3.73	3.07			

Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	50.64	50.64	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	33.42	84.06	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	11.25	95.31	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	4.69	99.99	-	-
⊖ Cmt Market Liquidity Rate	-	0.01	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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.1 years.

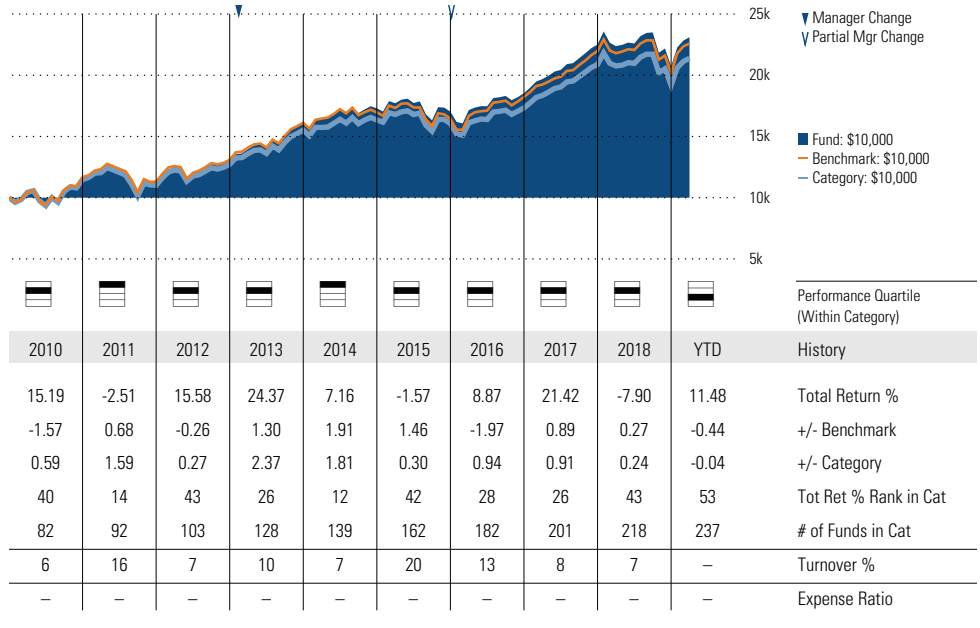
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.01% lower than the Target-Date 2045 category average.

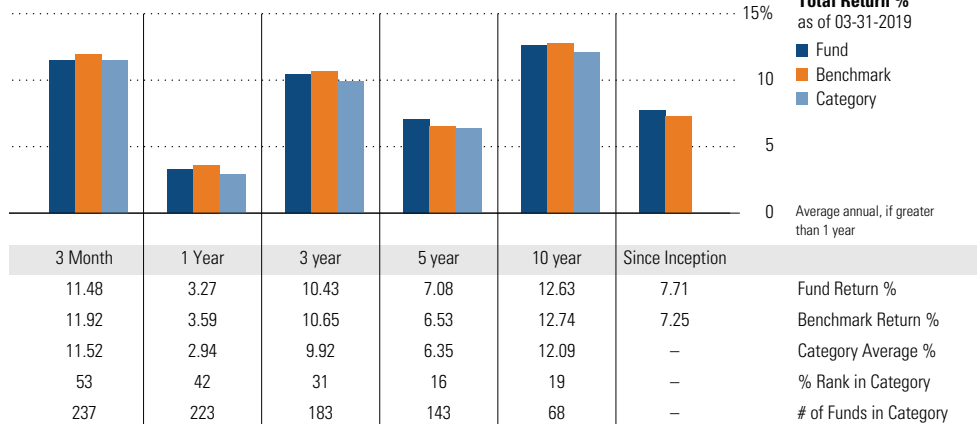
Morningstar Investment Management LLC Analysis

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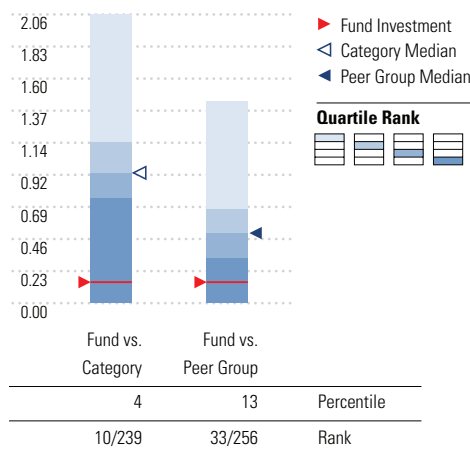
Growth of \$10,000



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	-0.09	-	-0.57
Beta	0.99	-	0.98
R-Squared	99.14	-	97.88
Standard Deviation	9.14	9.19	9.14
Sharpe Ratio	0.99	1.01	0.93
Tracking Error	0.85	-	1.36
Information Ratio	-0.25	-	-0.62
Up Capture Ratio	98.99	-	96.00
Down Capture Ratio	100.30	-	100.70

Portfolio Metrics

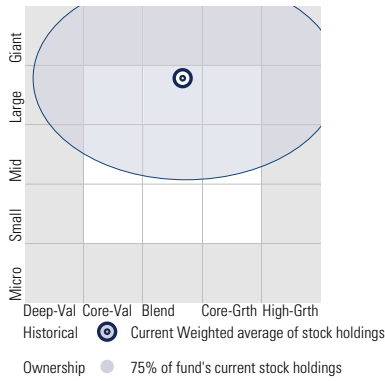
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	17.36	18.17
Price/Book Ratio	2.19	2.04	2.23
Avg Eff Duration	6.54	-	5.80

Vanguard Target Retirement 2045 Inv VTIVX

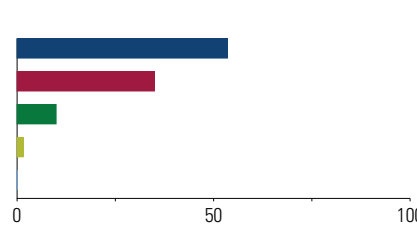
Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

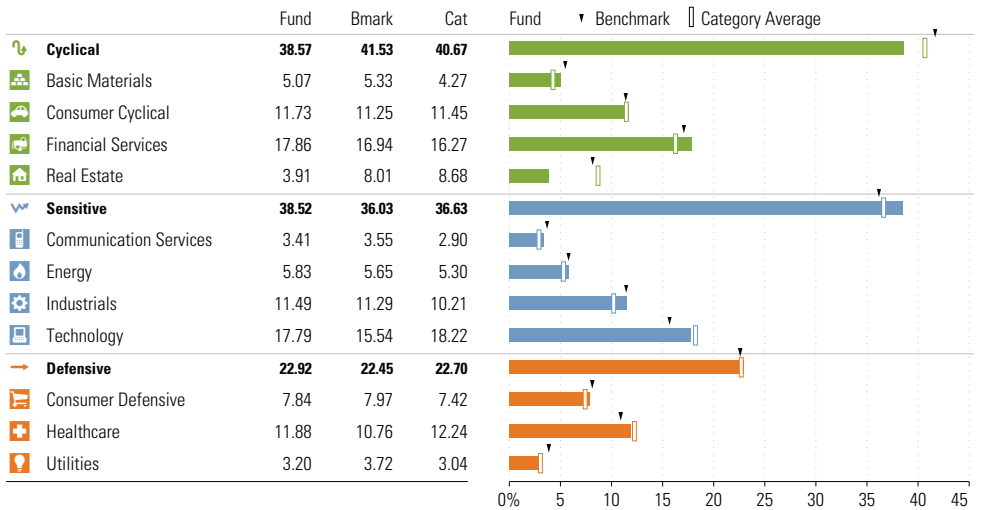


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	53.52	55.84
Non-US Stocks	34.94	31.69
Bonds	9.92	7.46
Cash	1.55	2.87
Other	0.06	2.15
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	54.09	54.09	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.81	89.90	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.18	97.08	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	2.91	99.99	—	—
⊖ Cmt Market Liquidity Rate	—	0.01	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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.1 years.

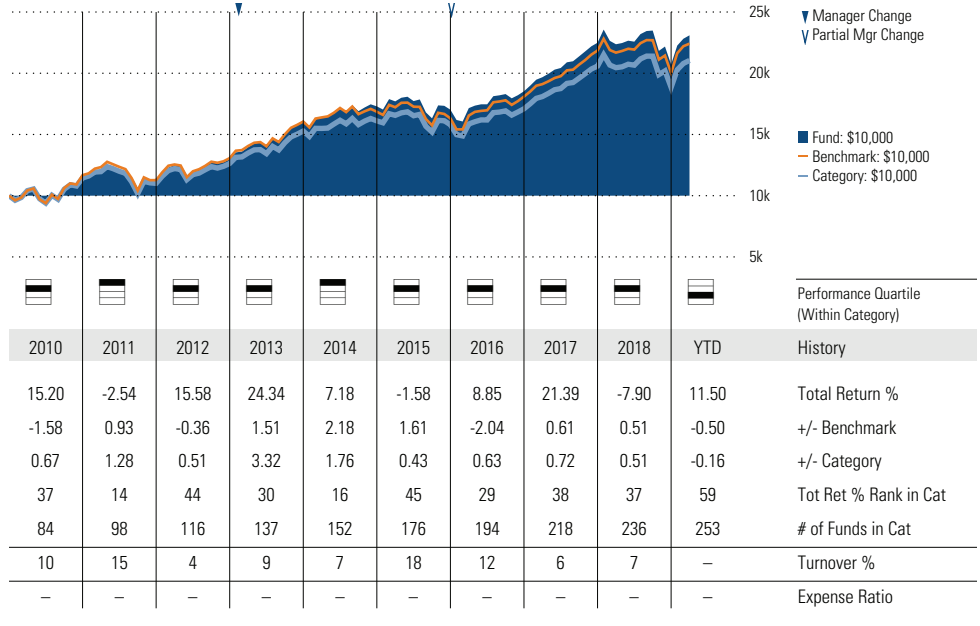
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.93% lower than the Target-Date 2050 category average.

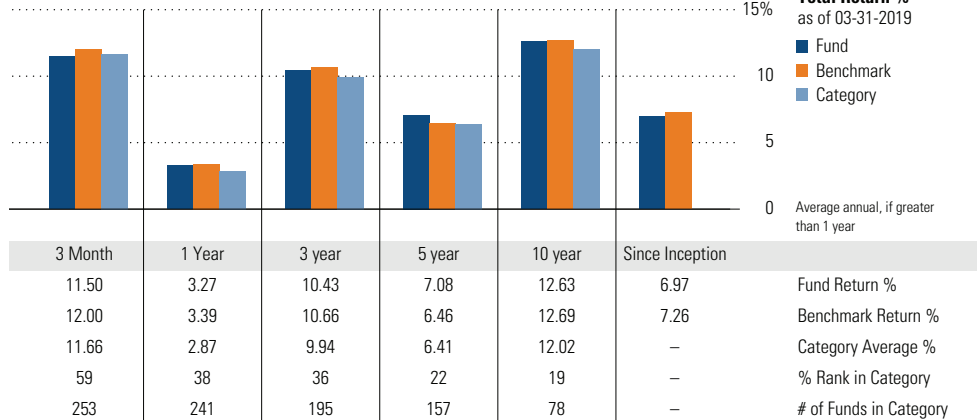
Morningstar Investment Management LLC Analysis

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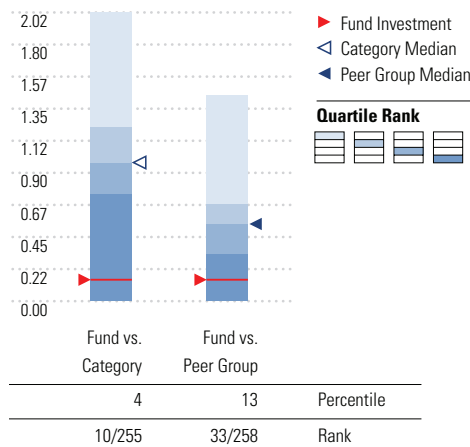
Growth of \$10,000



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

	Fund	Bmark	Cat
Alpha	-0.02	-	-0.48
Beta	0.98	-	0.97
R-Squared	99.14	-	95.37
Standard Deviation	9.15	9.30	9.27
Sharpe Ratio	0.99	1.00	0.92
Tracking Error	0.87	-	1.67
Information Ratio	-0.27	-	-0.55
Up Capture Ratio	98.45	-	95.78
Down Capture Ratio	99.28	-	100.37

Portfolio Metrics

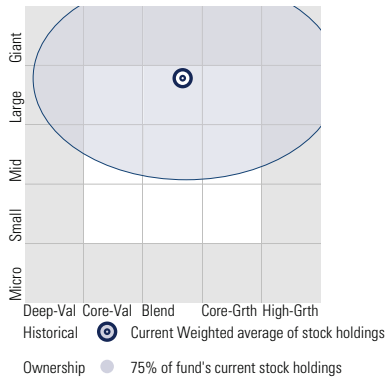
	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	17.28	18.03
Price/Book Ratio	2.19	2.02	2.21
Avg Eff Duration	6.55	-	5.63

Vanguard Target Retirement 2050 Inv VFIFX

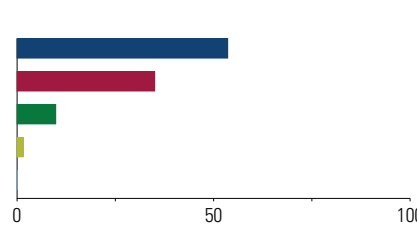
Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

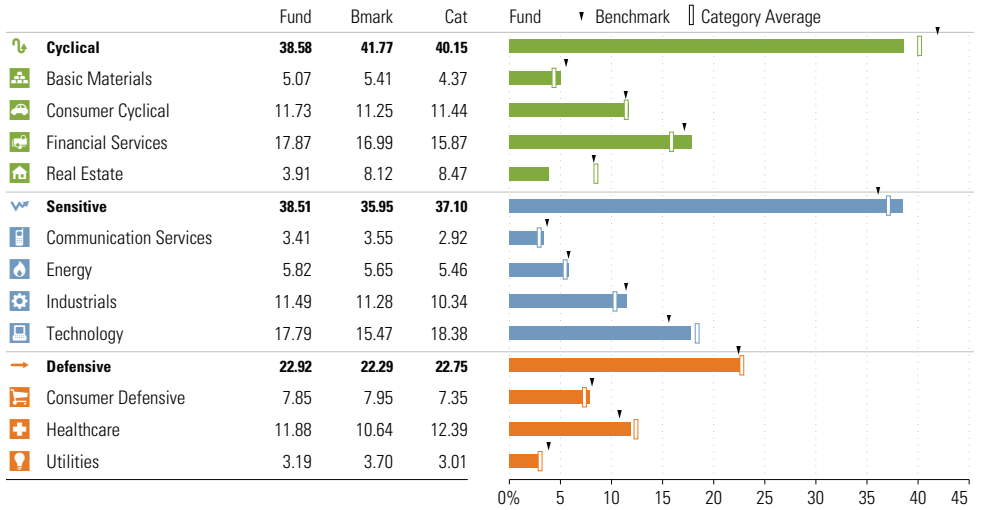


Asset Allocation as of 03-31-2019

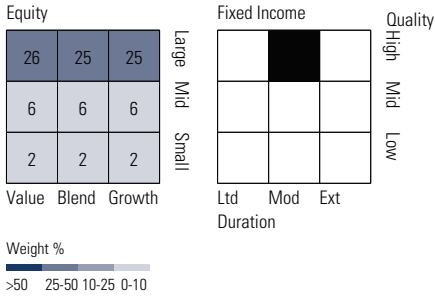


Asset Class	Net %	Cat%
US Stocks	53.58	56.31
Non-US Stocks	34.99	31.68
Bonds	9.82	6.57
Cash	1.54	2.53
Other	0.06	2.91
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	54.15	54.15	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.85	90.00	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.08	97.09	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	2.91	100.00	-	-
⊖ Cmt Market Liquidity Rate	-	0.00	100.00	-	-

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)

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 8 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.1 years.

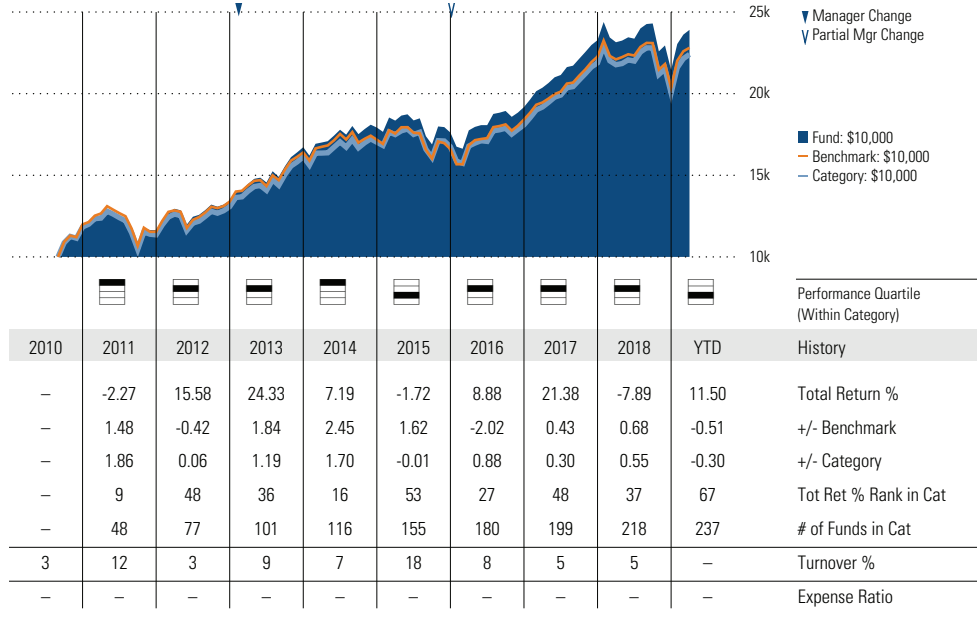
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.25% lower than the Target-Date 2055 category average.

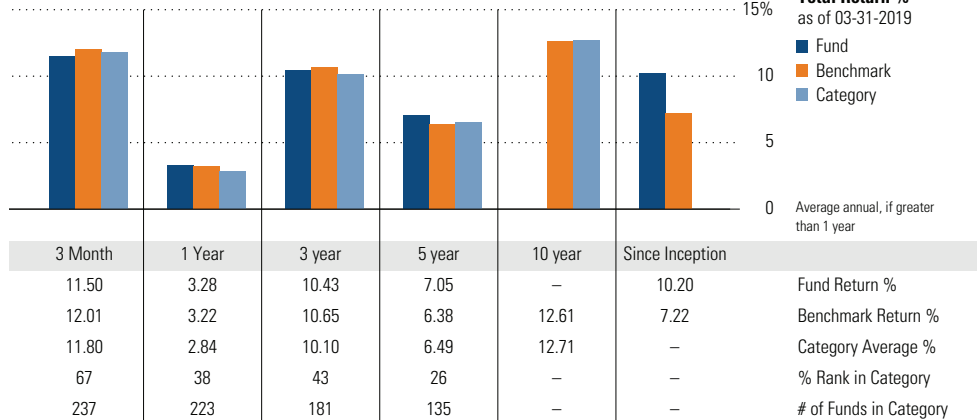
Morningstar Investment Management LLC Analysis

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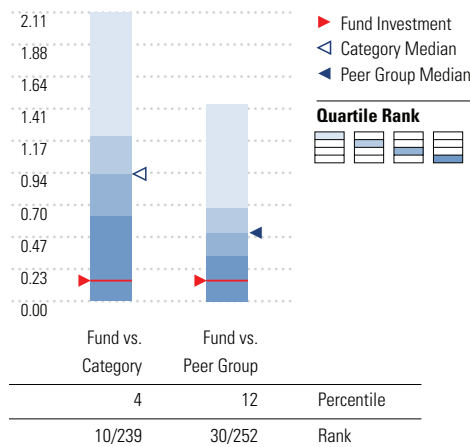
Growth of \$10,000



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	0.05	-	-0.51
Beta	0.97	-	0.99
R-Squared	99.17	-	97.75
Standard Deviation	9.13	9.33	9.36
Sharpe Ratio	0.99	0.99	0.93
Tracking Error	0.87	-	1.43
Information Ratio	-0.25	-	-0.48
Up Capture Ratio	98.25	-	97.15
Down Capture Ratio	98.58	-	101.39

Portfolio Metrics

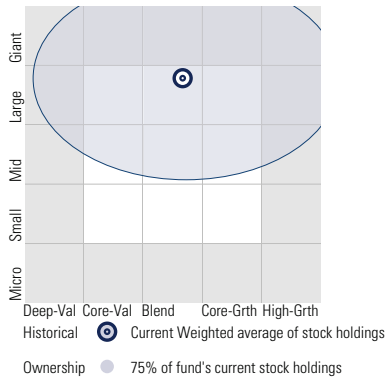
	Fund	Bmark	Cat
Price/Earnings Ratio	17.75	17.19	17.92
Price/Book Ratio	2.19	2.00	2.19
Avg Eff Duration	6.54	-	5.94

Vanguard Target Retirement 2055 Inv VFFVX

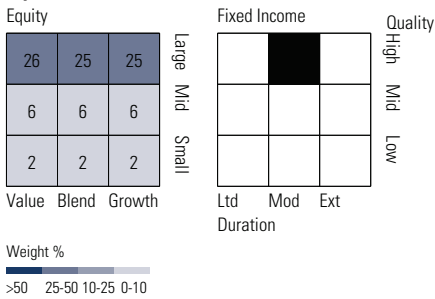
Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

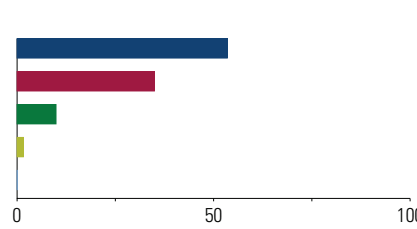
Style Analysis as of 03-31-2019
Morningstar Style Box™



Style Breakdown

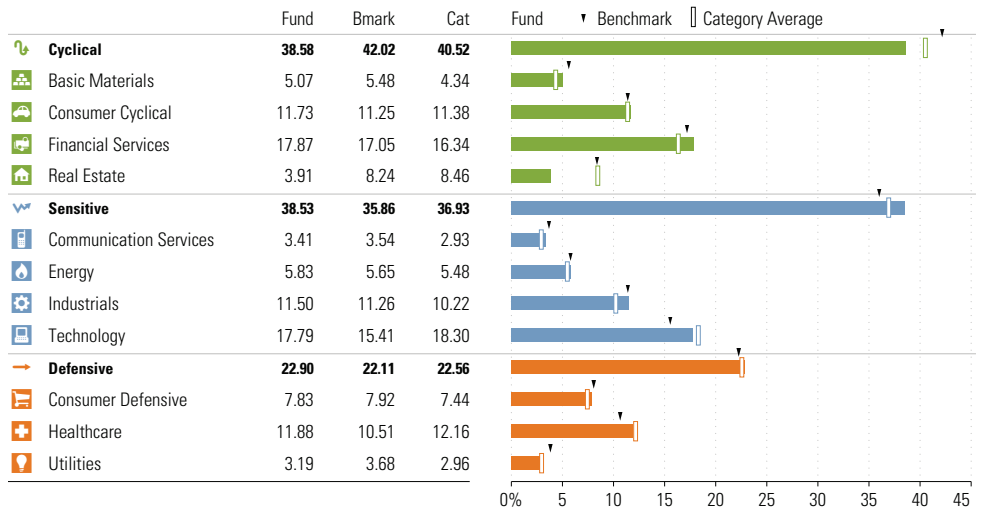


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	53.48	55.85
Non-US Stocks	34.94	33.36
Bonds	9.90	6.24
Cash	1.60	2.64
Other	0.06	1.91
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	54.06	54.06	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.80	89.86	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	7.17	97.03	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	2.91	99.93	—	—
⊖ Cmt Market Liquidity Rate	—	0.07	100.00	—	—

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060+ category's top three quartiles in 6 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.1 years.

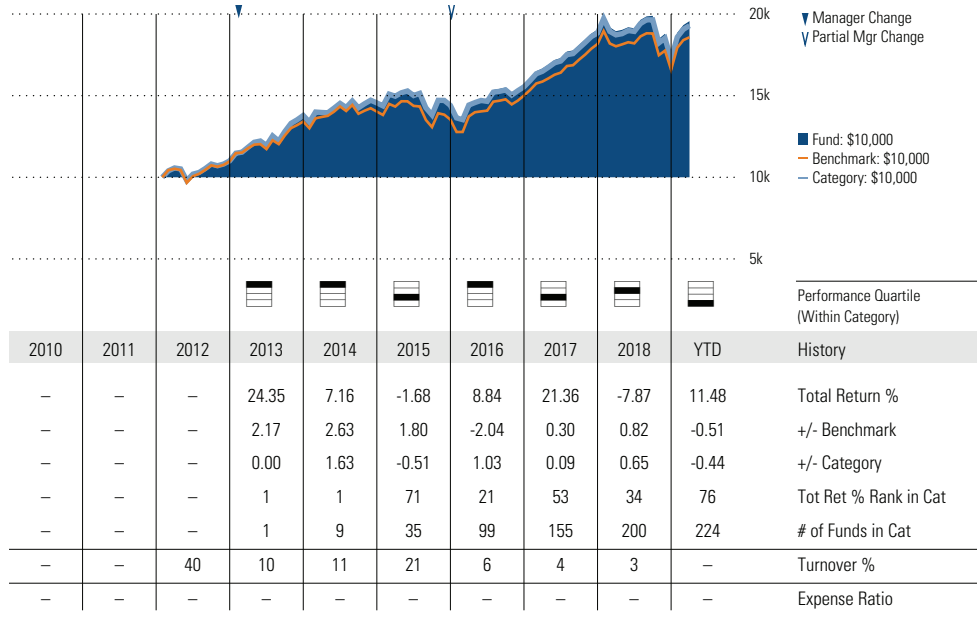
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.93% lower than the Target-Date 2060+ category average.

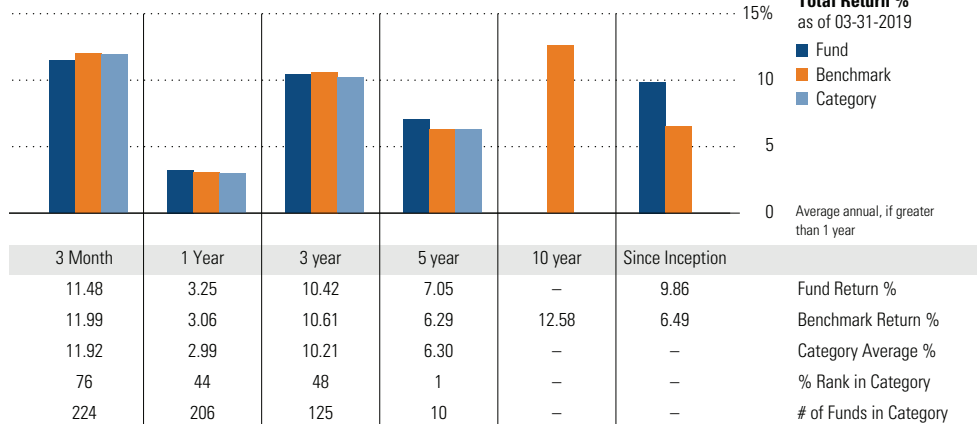
Morningstar Investment Management LLC Analysis

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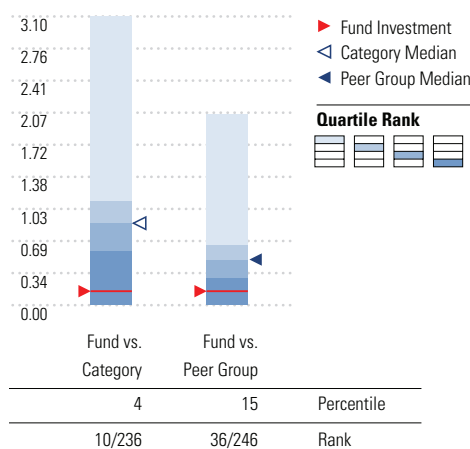
Growth of \$10,000



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	0.08	-	-0.45
Beta	0.97	-	1.00
R-Squared	99.08	-	97.54
Standard Deviation	9.14	9.33	9.48
Sharpe Ratio	0.99	0.99	0.93
Tracking Error	0.91	-	1.52
Information Ratio	-0.21	-	-0.34
Up Capture Ratio	98.37	-	98.55
Down Capture Ratio	98.53	-	102.45

Portfolio Metrics

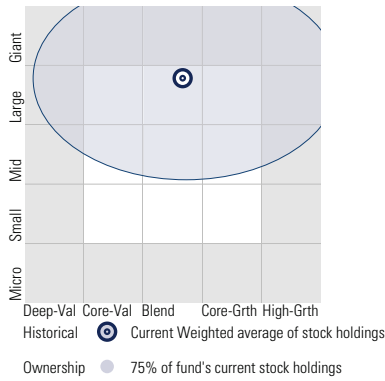
	Fund	Bmark	Cat
Price/Earnings Ratio	17.75	17.12	-
Price/Book Ratio	2.18	1.99	-
Avg Eff Duration	6.54	-	5.86

Vanguard Target Retirement 2060 Inv VTTSX

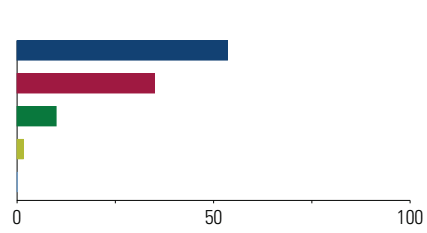
Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

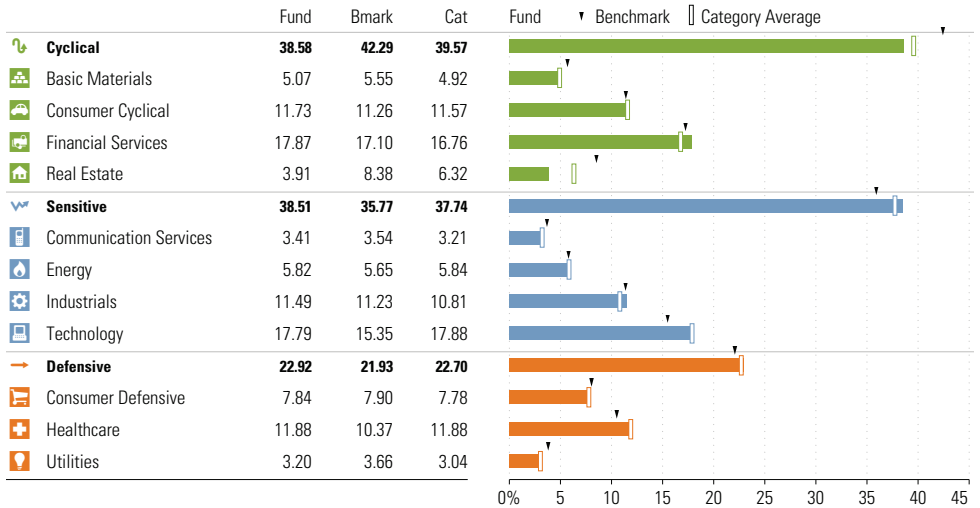


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	53.52	50.89
Non-US Stocks	34.96	36.86
Bonds	9.92	6.98
Cash	1.54	2.84
Other	0.06	2.44
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	54.09	54.09	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.82	89.91	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.18	97.09	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	2.91	100.00	-	-
⊖ Cmt Market Liquidity Rate	-	0.00	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.

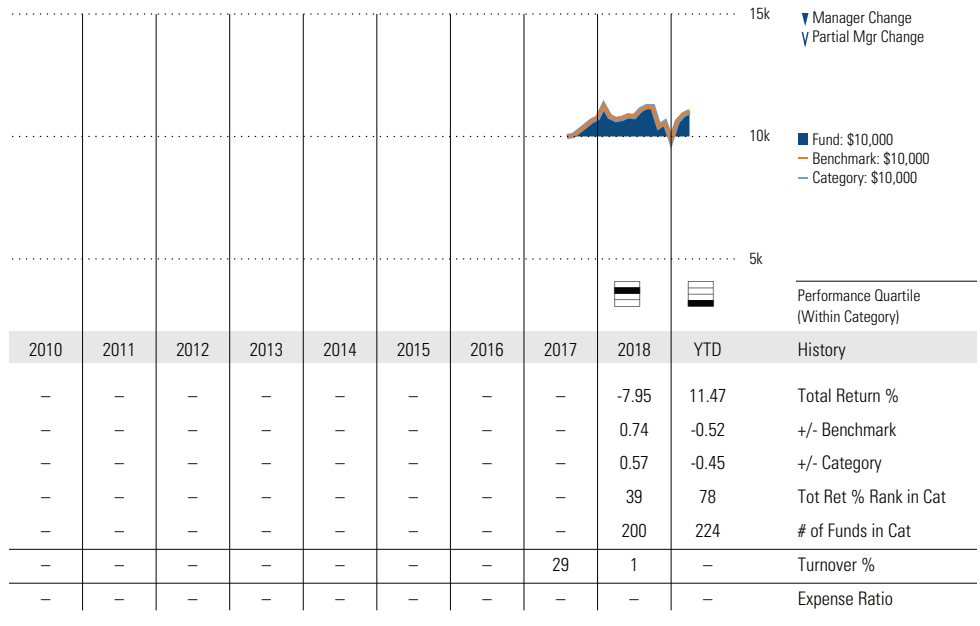
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.15 is 81.93% 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.

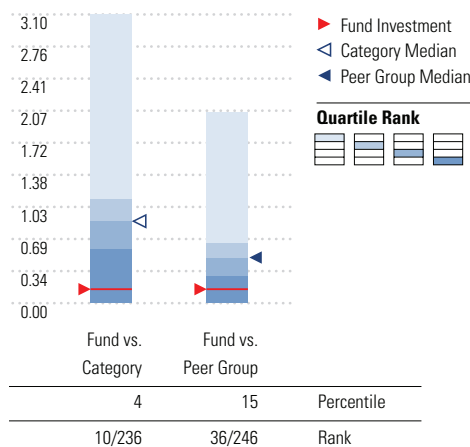
Growth of \$10,000



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	-	-	-0.45
Beta	-	-	1.00
R-Squared	-	-	97.54
Standard Deviation	-	9.33	9.48
Sharpe Ratio	-	0.99	0.93
Tracking Error	-	-	1.52
Information Ratio	-	-	-0.34
Up Capture Ratio	-	-	98.55
Down Capture Ratio	-	-	102.45

Portfolio Metrics

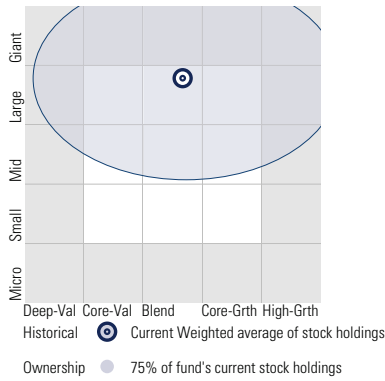
	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.12	-
Price/Book Ratio	-	1.99	-
Avg Eff Duration	6.55	-	5.86

Vanguard Target Retirement 2065 Inv VLXVX

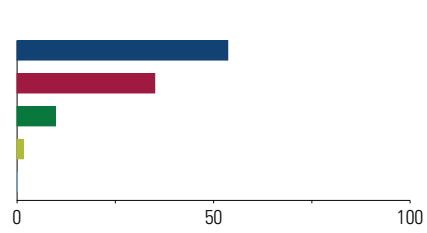
Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

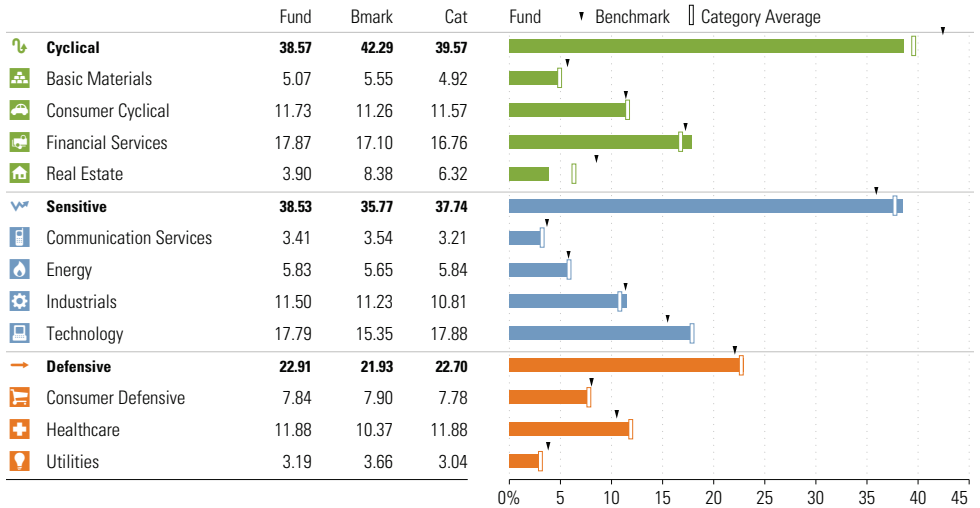


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	53.60	50.89
Non-US Stocks	35.02	36.86
Bonds	9.77	6.98
Cash	1.54	2.84
Other	0.06	2.44
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 5 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	-	54.17	54.17	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.88	90.05	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.05	97.10	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	2.90	100.00	-	-
⊖ Cmt Market Liquidity Rate	-	0.00	100.00	-	-

Total Holdings 5

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement Income Inv VTINX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.1 years.

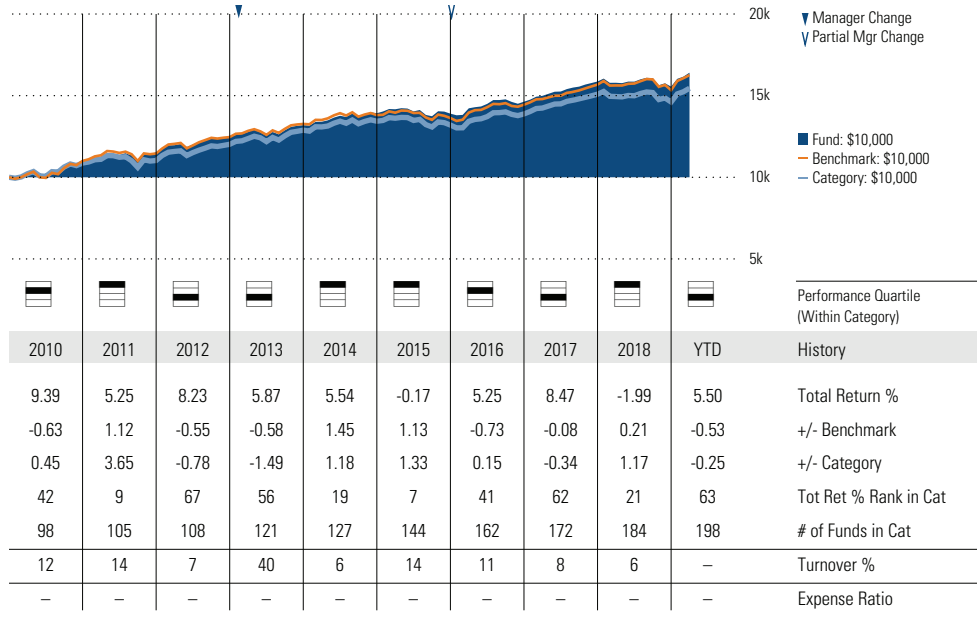
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.12 is 84.62% lower than the Target-Date Retirement category average.

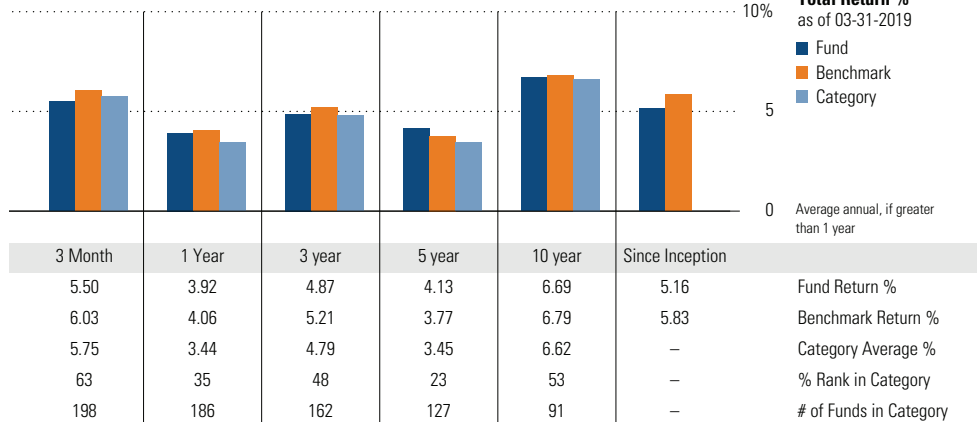
Morningstar Investment Management LLC Analysis

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.

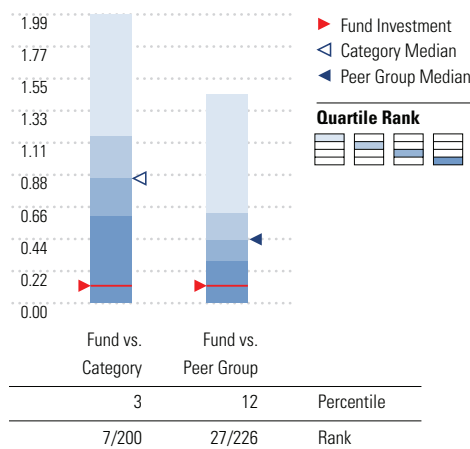
Growth of \$10,000



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	0.33	-	-0.27
Beta	0.87	-	0.96
R-Squared	95.23	-	90.42
Standard Deviation	3.45	3.86	3.89
Sharpe Ratio	1.02	1.00	0.86
Tracking Error	0.90	-	1.30
Information Ratio	-0.37	-	-0.40
Up Capture Ratio	92.80	-	93.20
Down Capture Ratio	91.25	-	97.91

Portfolio Metrics

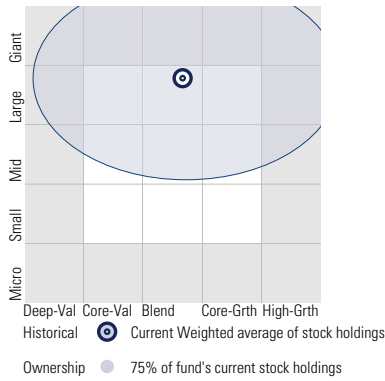
	Fund	Bmark	Cat
Price/Earnings Ratio	17.76	18.03	17.72
Price/Book Ratio	2.19	2.24	2.19
Avg Eff Duration	5.66	4.69	5.45

Vanguard Target Retirement Income Inv VTINX

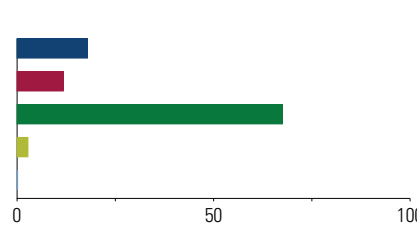
Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 03-31-2019
Morningstar Style Box™

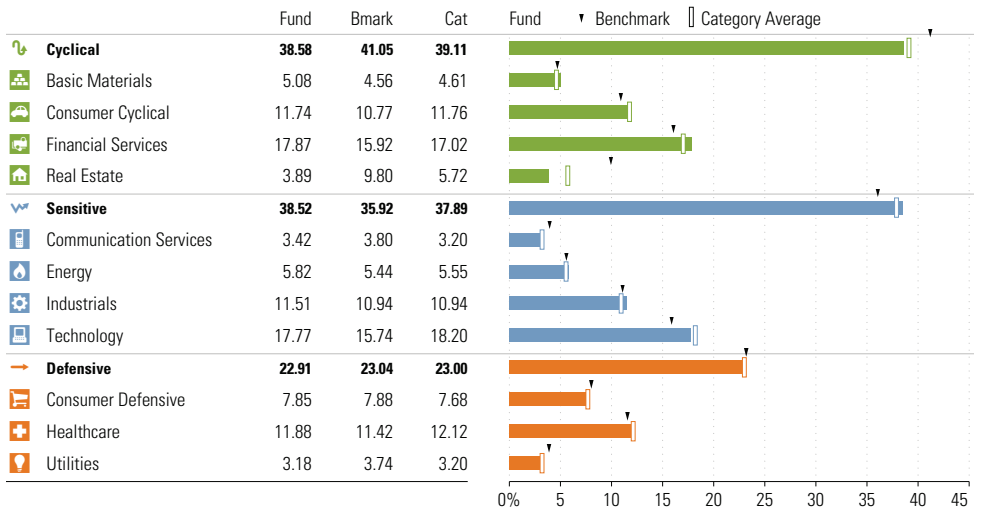


Asset Allocation as of 03-31-2019



Asset Class	Net %	Cat%
US Stocks	17.89	20.10
Non-US Stocks	11.73	10.78
Bonds	67.51	60.15
Cash	2.75	6.41
Other	0.13	2.55
Total	100.00	100.00

Sector Weighting as of 03-31-2019



Style Breakdown



Top 6 Holdings as of 03-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	-	37.44	37.44	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	18.08	55.52	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.63	72.15	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	15.80	87.95	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	12.02	99.96	-	-
⊖ Cmt Market Liquidity Rate	-	0.04	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio