American Funds American Balanced R6 RLBGX

Morningstar Category
Allocation--50% to 70% Equity

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Hilda Applbaum since 01-1999
Gregory Johnson since 03-2003
Alan Berro since 03-2006
James Mulally since 03-2006
Jeffrey Lager since 03-2011
Michael Kerr since 03-2014
Paul Benjamin since 07-2014
Alan Wilson since 01-2016
John Queen since 07-2016
Pramod Atluri since 03-2018

Quantitative Screens

Performance: The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 10 of the 10 years it's been in existence.

Management: The fund's management has been in place for 21.26 years.

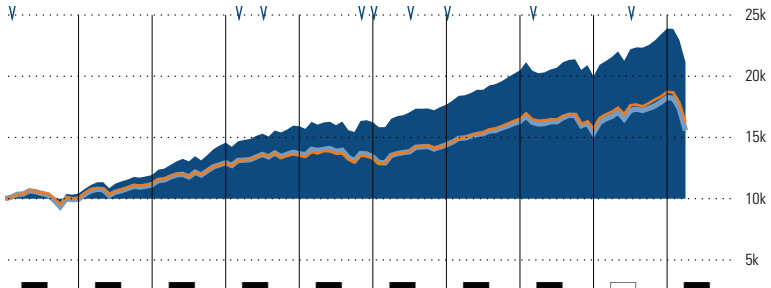
× *Style:* The fund has landed in its primary style box — Large Blend — 63.64 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.27 is 74.53% lower than the Allocation--50% to 70% Equity category average.

Morningstar Investment Management LLC Analysis

This fund fails our current style screen. However, as an allocation fund it is not expected to adhere to a strict style discipline, so the screen failure does not concern us and we are still comfortable using this fund.

Growth of $10,000



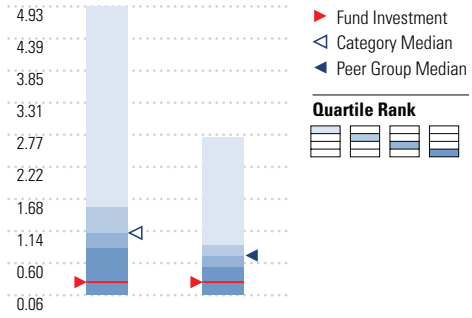
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
4.16	14.57	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	-11.58	Total Return %
3.57	2.53	7.81	4.33	3.82	0.33	1.18	2.34	0.52	1.80	+/- Benchmark
4.27	2.85	5.64	3.01	3.96	1.56	2.63	3.34	0.32	3.16	+/- Category
7	9	5	16	3	20	15	8	48	16	Tot Ret % Rank in Cat
431	457	522	536	560	611	632	675	685	711	# of Funds in Cat
47	54	55	68	82	79	95	72	104	–	Turnover %
–	–	0.29	0.29	0.29	0.29	0.28	0.28	0.27	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-11.58	-2.07	4.64	5.66	8.67	10.29	Fund Return %
-13.38	-5.13	2.62	3.44	5.85	5.71	Benchmark Return %
-14.74	-7.01	1.48	2.40	5.75	–	Category Average %
16	15	10	5	4	–	% Rank in Category
712	689	641	562	413	–	# of Funds in Category

Net Expense



	Fund vs. Category	Fund vs. Peer Group	
	3	5	Percentile
	16/704	26/520	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	2.06	–	-1.13
Beta	0.96	–	1.09
R-Squared	97.04	–	94.70
Standard Deviation	8.94	9.21	10.29
Sharpe Ratio	0.36	0.14	0.06
Tracking Error	1.59	–	2.66
Information Ratio	1.27	–	-0.31
Up Capture Ratio	108.90	–	101.57
Down Capture Ratio	92.03	–	111.52

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.48	13.16	15.12
Price/Book Ratio	2.46	1.44	1.93
Avg Eff Duration	6.11	5.98	4.62

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MORNINGSTAR

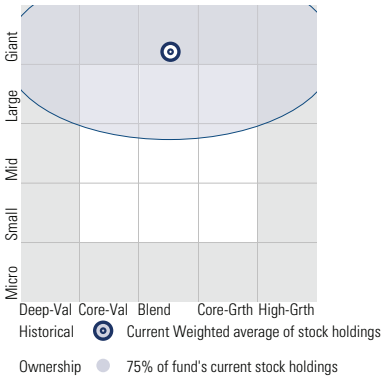
American Funds American Balanced R6 RLBGX

Morningstar Category
Allocation--50% to 70% Equity

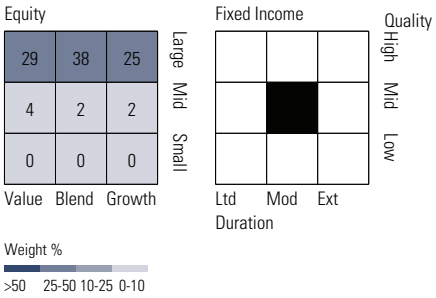
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2020

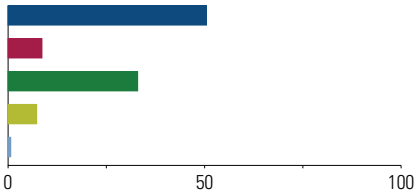
Morningstar Style Box™



Style Breakdown



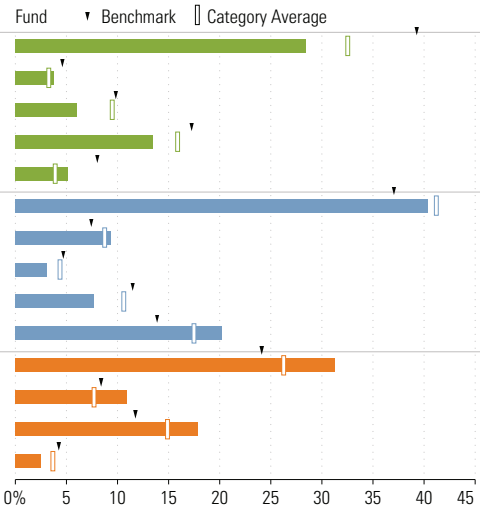
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	50.48	43.32
Non-US Stocks	8.61	12.35
Bonds	32.96	35.35
Cash	7.27	6.99
Other	0.67	2.00
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**28.39**	**39.14**	**32.53**
Basic Materials	3.72	4.46	3.27
Consumer Cyclical	5.99	9.69	9.48
Financial Services	13.50	17.11	15.88
Real Estate	5.18	7.88	3.90
Sensitive	**40.33**	**36.91**	**41.20**
Communication Services	9.34	7.29	8.74
Energy	3.10	4.55	4.37
Industrials	7.66	11.34	10.61
Technology	20.23	13.73	17.48
Defensive	**31.28**	**23.97**	**26.26**
Consumer Defensive	10.89	8.25	7.70
Healthcare	17.90	11.61	14.89
Utilities	2.49	4.11	3.67



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	–	5.96	5.96	–	–
⊖ Microsoft Corp	–	3.96	9.92	0.33	Technology
⊖ UnitedHealth Group Inc	–	2.81	12.73	-14.80	Healthcare
⊕ Philip Morris International Inc	–	1.97	14.70	-12.88	Consumer Defensive
⊖ Taiwan Semiconductor Manufacturing Co Ltd ADR	–	1.87	16.57	-17.03	Technology
⊖ Berkshire Hathaway Inc A	–	1.78	18.35	-19.90	Financial Services
⊕ Broadcom Inc	–	1.59	19.94	-23.94	Technology
⊕ Amazon.com Inc	–	1.47	21.40	5.51	Consumer Cyclical
⊕ JPMorgan Chase & Co	–	1.30	22.70	-34.77	Financial Services
✲ Cash And Other Assets Less Liablities	–	1.25	23.95	–	–

Total Holdings 1876

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

American Funds American Balanced R6 RLBGX

Morningstar Category
Allocation--50% to 70% Equity

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Morningstar Mod Tgt Risk TR USD

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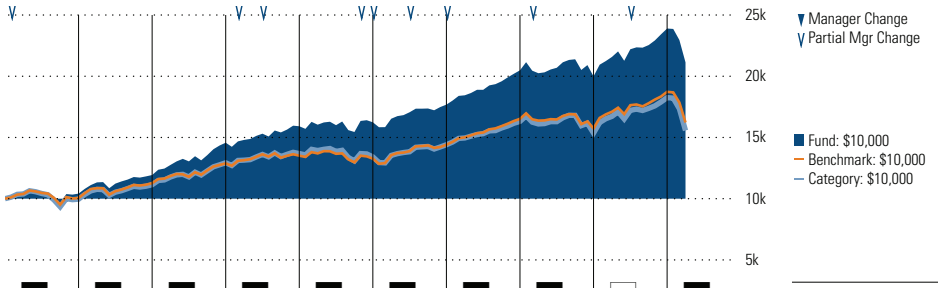

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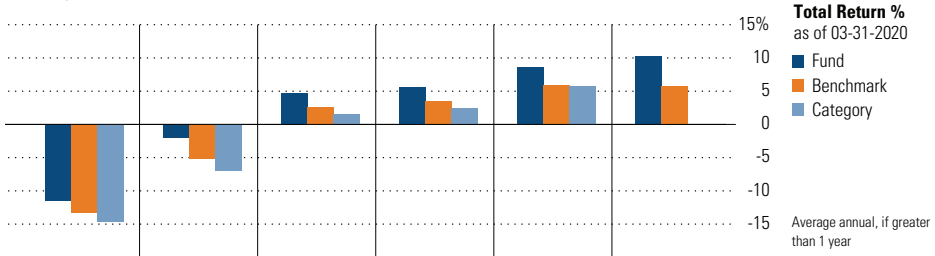
Trailing Performance



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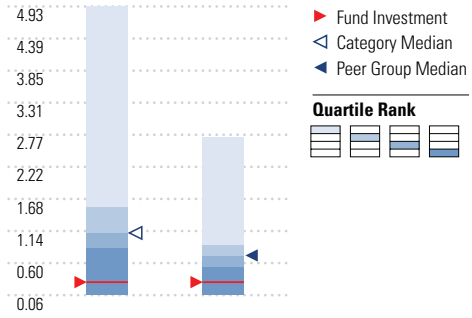

3	5	Percentile
16/704	26/520	Rank

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	2.06	–	-1.13
Beta	0.96	–	1.09
R-Squared	97.04	–	94.70
Standard Deviation	8.94	9.21	10.29
Sharpe Ratio	0.36	0.14	0.06
Tracking Error	1.59	–	2.66
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	Fund	Bmark	Cat
Price/Earnings Ratio	16.48	13.16	15.12
Price/Book Ratio	2.46	1.44	1.93
Avg Eff Duration	6.11	5.98	4.62

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MORNINGSTAR

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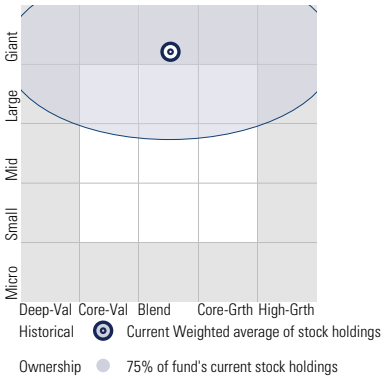
Allocation--50% to 70% Equity

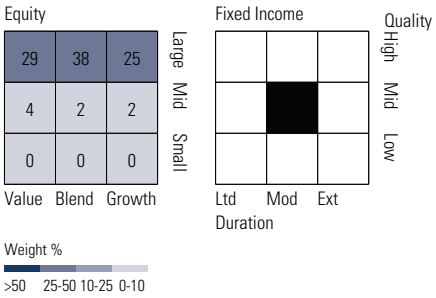
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2020

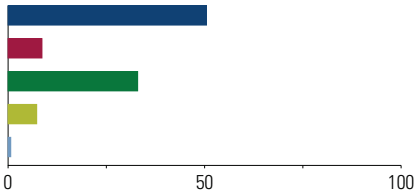
Morningstar Style Box™



Style Breakdown



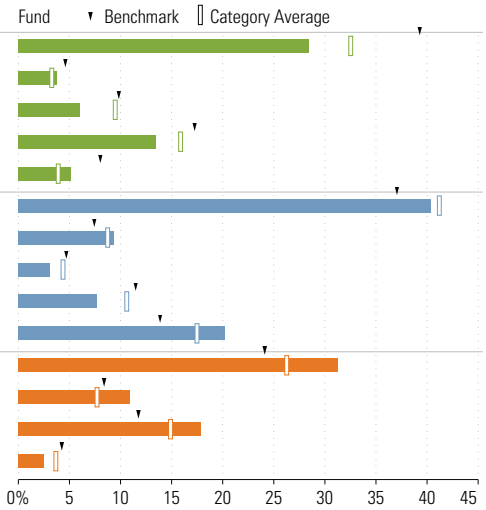
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	50.48	43.32
Non-US Stocks	8.61	12.35
Bonds	32.96	35.35
Cash	7.27	6.99
Other	0.67	2.00
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**28.39**	**39.14**	**32.53**
Basic Materials	3.72	4.46	3.27
Consumer Cyclical	5.99	9.69	9.48
Financial Services	13.50	17.11	15.88
Real Estate	5.18	7.88	3.90
Sensitive	**40.33**	**36.91**	**41.20**
Communication Services	9.34	7.29	8.74
Energy	3.10	4.55	4.37
Industrials	7.66	11.34	10.61
Technology	20.23	13.73	17.48
Defensive	**31.28**	**23.97**	**26.26**
Consumer Defensive	10.89	8.25	7.70
Healthcare	17.90	11.61	14.89
Utilities	2.49	4.11	3.67



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	–	5.96	5.96	–	–
⊖ Microsoft Corp	–	3.96	9.92	0.33	Technology
⊖ UnitedHealth Group Inc	–	2.81	12.73	-14.80	Healthcare
⊕ Philip Morris International Inc	–	1.97	14.70	-12.88	Consumer Defensive
⊖ Taiwan Semiconductor Manufacturing Co Ltd ADR	–	1.87	16.57	-17.03	Technology
⊖ Berkshire Hathaway Inc A	–	1.78	18.35	-19.90	Financial Services
⊕ Broadcom Inc	–	1.59	19.94	-23.94	Technology
⊕ Amazon.com Inc	–	1.47	21.40	5.51	Consumer Cyclical
⊕ JPMorgan Chase & Co	–	1.30	22.70	-34.77	Financial Services
✲ Cash And Other Assets Less Liablities	–	1.25	23.95	–	–

Total Holdings 1876

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Portfolio Manager(s)

Andrew Suzman since 10-2008
Steven Watson since 10-2008
Patrice Collette since 09-2010
Leo Hee since 07-2015
Michael Cohen since 07-2018

Quantitative Screens

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

Management: The fund's management has been in place for 11.5 years.

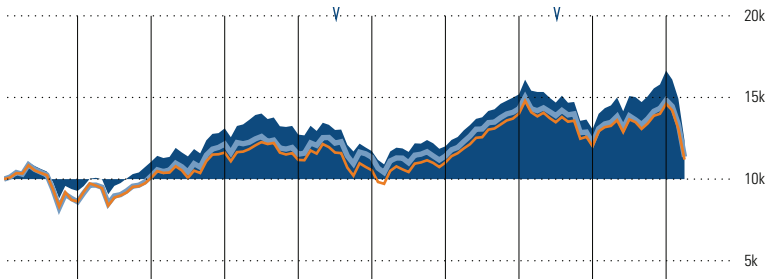
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.57 is 40.63% 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.

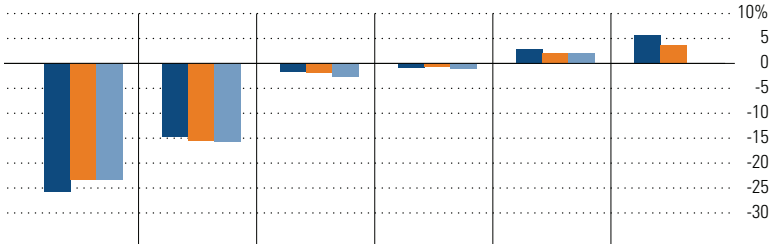
Growth of $10,000



Performance Quartile (Within Category)

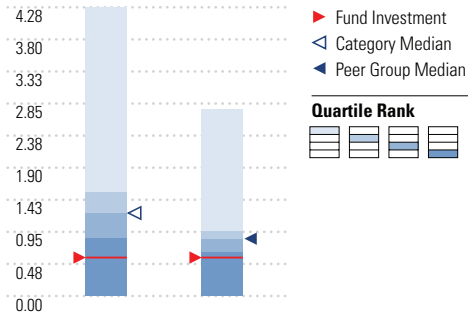
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-7.25	19.30	18.47	-2.92	-7.97	2.54	26.50	-14.10	27.54	-25.69	Total Return %
6.46	2.47	3.18	0.95	-2.31	-1.96	-0.69	0.10	6.03	-2.33	+/- Benchmark
6.72	1.01	-0.97	2.06	-6.38	1.75	1.38	0.49	5.95	-2.30	+/- Category
3	29	61	20	90	28	33	43	5	84	Tot Ret % Rank in Cat
393	416	446	458	497	583	631	680	734	792	# of Funds in Cat
31	24	37	–	25	37	37	27	35	–	Turnover %
–	–	0.61	0.59	0.58	0.58	0.58	0.57	0.57	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-25.69	-14.78	-1.61	-0.91	2.96	5.61	Fund Return %
-23.36	-15.57	-1.96	-0.64	2.05	3.61	Benchmark Return %
-23.39	-15.67	-2.74	-1.14	2.15	–	Category Average %
84	40	28	46	17	–	% Rank in Category
792	747	642	506	374	–	# of Funds in Category

Net Expense



23	18	Percentile
177/771	71/397	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	0.54	–	-0.76
Beta	1.04	–	1.00
R-Squared	97.40	–	95.29
Standard Deviation	16.02	15.15	15.44
Sharpe Ratio	-0.13	-0.17	-0.21
Tracking Error	2.67	–	3.43
Information Ratio	0.13	–	-0.24
Up Capture Ratio	101.98	–	95.05
Down Capture Ratio	100.08	–	99.51

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.11	13.01	12.99
Price/Book Ratio	1.39	1.30	1.23
Geom Avg Mkt Cap $B	36.11	30.91	31.63
ROE	17.03	15.58	16.00

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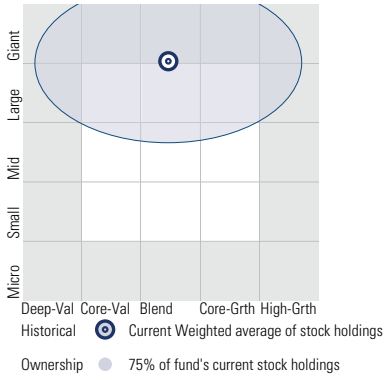


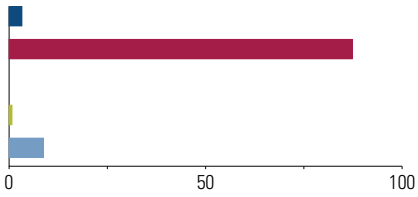
Style Breakdown

Equity

30	32	23	Large
6	3	5	Mid
0	0	0	Small
Value	Blend	Growth	

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

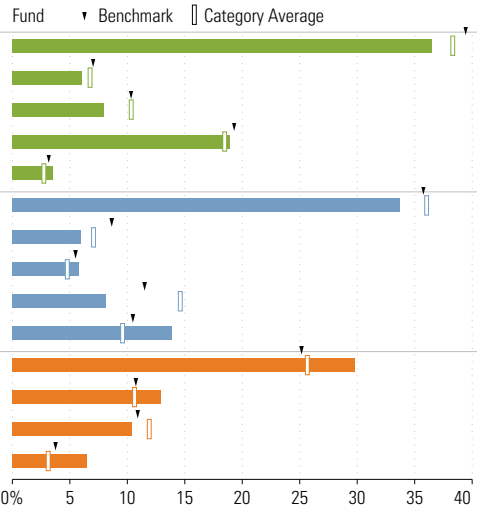
Asset Allocation as of 03-31-2020



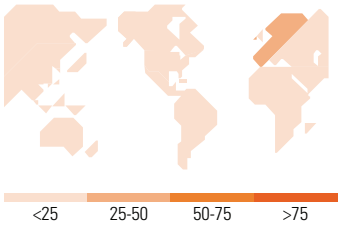
Asset Class	Net %	Cat%
US Stocks	3.25	3.37
Non-US Stocks	87.29	93.46
Bonds	0.00	0.97
Cash	0.72	0.53
Other	8.74	1.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**36.51**	**39.31**	**38.31**
Basic Materials	6.05	6.90	6.76
Consumer Cyclical	7.99	10.20	10.34
Financial Services	18.93	19.17	18.47
Real Estate	3.54	3.04	2.74
Sensitive	**33.67**	**35.63**	**36.04**
Communication Services	5.92	8.52	7.06
Energy	5.75	5.37	4.78
Industrials	8.14	11.38	14.61
Technology	13.86	10.36	9.59
Defensive	**29.82**	**25.03**	**25.66**
Consumer Defensive	12.91	10.62	10.63
Healthcare	10.40	10.78	11.91
Utilities	6.51	3.63	3.12



World Regions % Equity 03-31-2020



	Fund %	Cat %
Greater Asia	32.83	36.85
Japan	8.44	20.13
Australasia	1.10	4.93
Asia-4 Tigers	13.57	6.65
Asia-ex 4 Tigers	9.72	5.14
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	11.85	7.21
North America	7.72	6.31
Central/Latin	4.13	0.90

	Fund %	Cat %
Greater Europe	55.32	55.95
United Kingdom	17.29	14.42
W euro-ex UK	34.89	40.46
Emrgng Europe	2.49	0.44
Africa	0.65	0.63

Market Maturity	Fund %
Developed Markets	83.01
Emerging Markets	16.99
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	8.74	8.74	–	–
⊖ Taiwan Semiconductor Manufacturing Co Ltd	3.59	12.33	-16.47	Technology
⊕ AstraZeneca PLC	2.91	15.24	-3.22	Healthcare
⊕ British American Tobacco PLC	2.73	17.97	-12.99	Consumer Defensive
⊕ Enel SpA	2.49	20.47	-8.10	Utilities
ASML Holding NV	1.98	22.45	-8.06	Technology
⊖ AIA Group Ltd	1.91	24.36	-14.24	Financial Services
⊕ Nestle SA	1.83	26.19	-5.09	Consumer Defensive
⊕ Samsung Electronics Co Ltd Participating Preferred	1.60	27.79	–	Technology
Wynn Macau Ltd	1.38	29.17	-38.65	Consumer Cyclical

Total Holdings 224

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Portfolio Manager(s)

Andrew Suzman since 10-2008
Steven Watson since 10-2008
Patrice Collette since 09-2010
Leo Hee since 07-2015
Michael Cohen since 07-2018

Quantitative Screens

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

Management: The fund's management has been in place for 11.5 years.

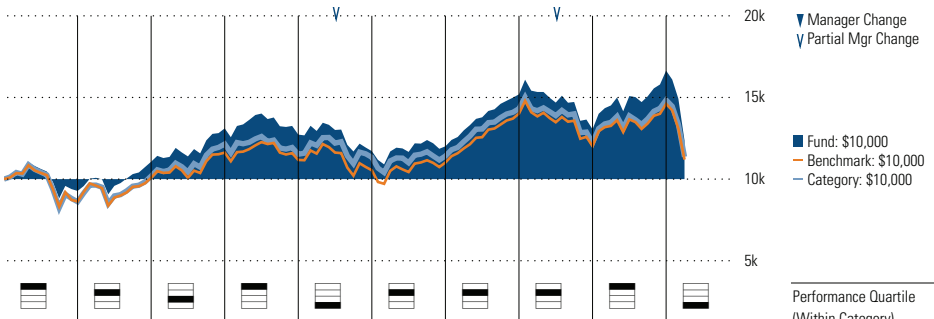
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.57 is 40.63% 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



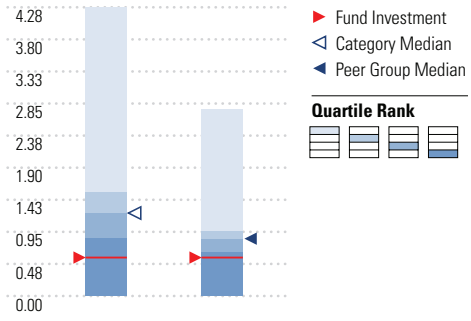
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-7.25	19.30	18.47	-2.92	-7.97	2.54	26.50	-14.10	27.54	-25.69	Total Return %
6.46	2.47	3.18	0.95	-2.31	-1.96	-0.69	0.10	6.03	-2.33	+/- Benchmark
6.72	1.01	-0.97	2.06	-6.38	1.75	1.38	0.49	5.95	-2.30	+/- Category
3	29	61	20	90	28	33	43	5	84	Tot Ret % Rank in Cat
393	416	446	458	497	583	631	680	734	792	# of Funds in Cat
31	24	37	–	25	37	37	27	35	–	Turnover %
–	–	0.61	0.59	0.58	0.58	0.58	0.57	0.57	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-25.69	-14.78	-1.61	-0.91	2.96	5.61	Fund Return %
-23.36	-15.57	-1.96	-0.64	2.05	3.61	Benchmark Return %
-23.39	-15.67	-2.74	-1.14	2.15	–	Category Average %
84	40	28	46	17	–	% Rank in Category
792	747	642	506	374	–	# of Funds in Category

Net Expense



23	18	Percentile
177/771	71/397	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	0.54	–	-0.76
Beta	1.04	–	1.00
R-Squared	97.40	–	95.29
Standard Deviation	16.02	15.15	15.44
Sharpe Ratio	-0.13	-0.17	-0.21
Tracking Error	2.67	–	3.43
Information Ratio	0.13	–	-0.24
Up Capture Ratio	101.98	–	95.05
Down Capture Ratio	100.08	–	99.51

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.11	13.01	12.99
Price/Book Ratio	1.39	1.30	1.23
Geom Avg Mkt Cap $B	36.11	30.91	31.63
ROE	17.03	15.58	16.00

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MORNINGSTAR

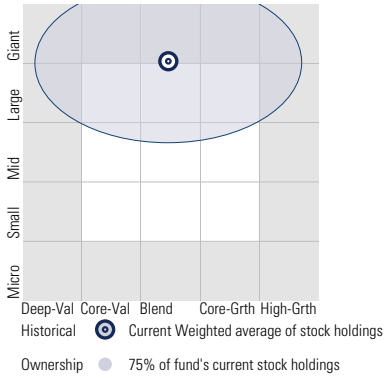
American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



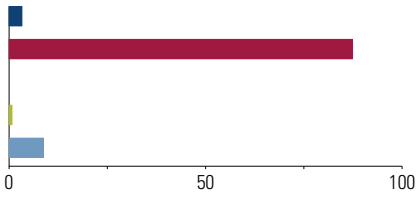
Style Breakdown

Equity

30	32	23	Large
6	3	5	Mid
0	0	0	Small
Value	Blend	Growth	

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

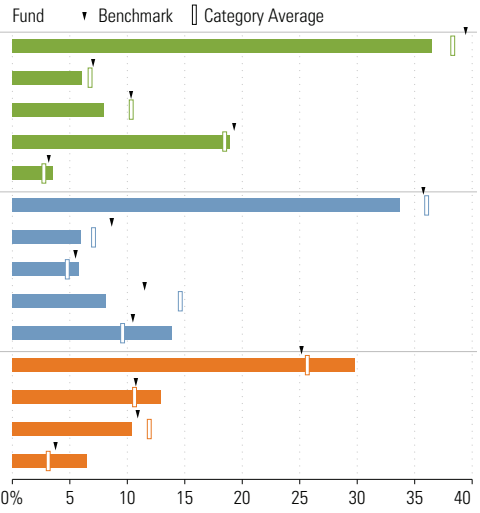
Asset Allocation as of 03-31-2020



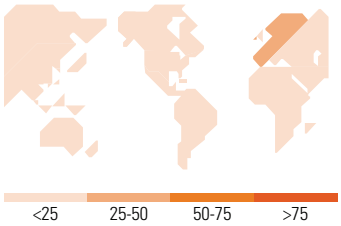
Asset Class	Net %	Cat%
US Stocks	3.25	3.37
Non-US Stocks	87.29	93.46
Bonds	0.00	0.97
Cash	0.72	0.53
Other	8.74	1.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**36.51**	**39.31**	**38.31**
Basic Materials	6.05	6.90	6.76
Consumer Cyclical	7.99	10.20	10.34
Financial Services	18.93	19.17	18.47
Real Estate	3.54	3.04	2.74
Sensitive	**33.67**	**35.63**	**36.04**
Communication Services	5.92	8.52	7.06
Energy	5.75	5.37	4.78
Industrials	8.14	11.38	14.61
Technology	13.86	10.36	9.59
Defensive	**29.82**	**25.03**	**25.66**
Consumer Defensive	12.91	10.62	10.63
Healthcare	10.40	10.78	11.91
Utilities	6.51	3.63	3.12



World Regions % Equity 03-31-2020



	Fund %	Cat %
Greater Asia	32.83	36.85
Japan	8.44	20.13
Australasia	1.10	4.93
Asia-4 Tigers	13.57	6.65
Asia-ex 4 Tigers	9.72	5.14
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	11.85	7.21
North America	7.72	6.31
Central/Latin	4.13	0.90

	Fund %	Cat %
Greater Europe	55.32	55.95
United Kingdom	17.29	14.42
W euro-ex UK	34.89	40.46
Emrgng Europe	2.49	0.44
Africa	0.65	0.63

Market Maturity	Fund %
Developed Markets	83.01
Emerging Markets	16.99
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	8.74	8.74	–	–
⊖ Taiwan Semiconductor Manufacturing Co Ltd	3.59	12.33	-16.47	Technology
⊕ AstraZeneca PLC	2.91	15.24	-3.22	Healthcare
⊕ British American Tobacco PLC	2.73	17.97	-12.99	Consumer Defensive
⊕ Enel SpA	2.49	20.47	-8.10	Utilities
ASML Holding NV	1.98	22.45	-8.06	Technology
⊖ AIA Group Ltd	1.91	24.36	-14.24	Financial Services
⊕ Nestle SA	1.83	26.19	-5.09	Consumer Defensive
⊕ Samsung Electronics Co Ltd Participating Preferred	1.60	27.79	–	Technology
Wynn Macau Ltd	1.38	29.17	-38.65	Consumer Cyclical

Total Holdings 224

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 19.52 years.

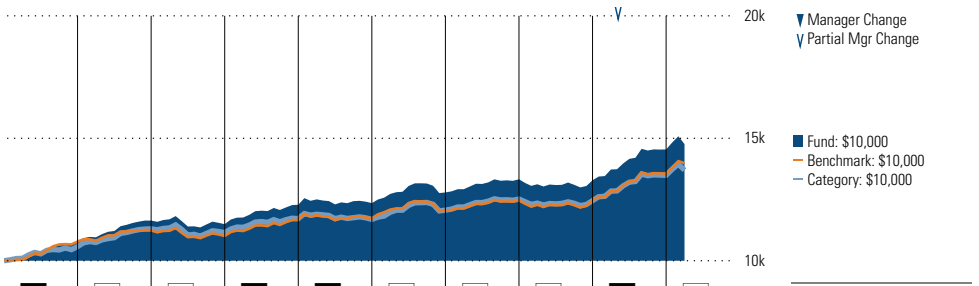
Style Consistency is not calculated for Fixed Income funds.

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

Morningstar Investment Management LLC Analysis

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

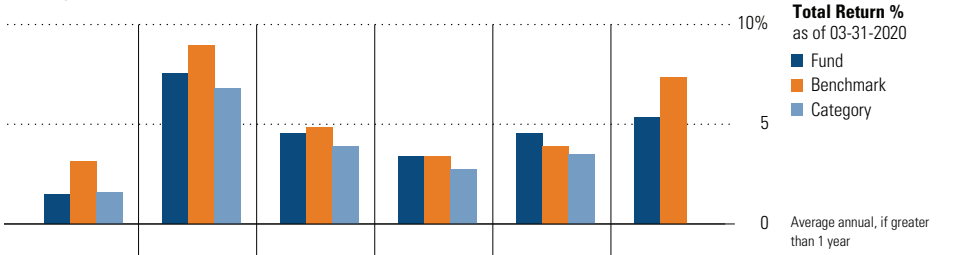
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
7.85	7.92	-1.25	6.89	0.55	3.52	4.20	-0.30	9.48	1.50	Total Return %
0.01	3.71	0.77	0.92	0.00	0.87	0.66	-0.31	0.76	-1.65	+/- Benchmark
1.99	0.91	0.17	1.71	0.81	0.29	0.49	0.20	1.42	-0.07	+/- Category
9	34	36	8	22	37	31	41	15	59	Tot Ret % Rank in Cat
263	282	305	314	324	349	378	403	425	440	# of Funds in Cat
46	64	28	32	40	36	28	24	31	–	Turnover %
–	–	0.30	0.30	0.30	0.30	0.30	0.30	0.30	–	Expense Ratio

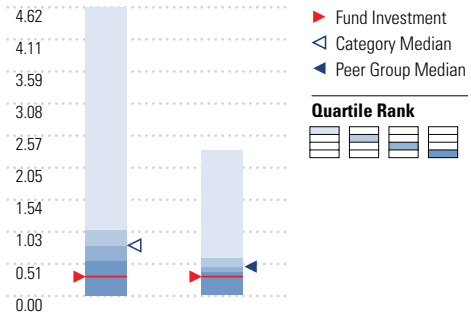
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
1.50	7.55	4.54	3.37	4.55	5.35	Fund Return %
3.15	8.93	4.82	3.36	3.88	7.34	Benchmark Return %
1.57	6.78	3.90	2.74	3.51	–	Category Average %
59	40	25	9	6	–	% Rank in Category
440	430	385	332	254	–	# of Funds in Category

Net Expense



18	16	Percentile
78/432	46/289	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	-0.44	–	-0.77
Beta	1.04	–	0.96
R-Squared	92.76	–	85.57
Standard Deviation	3.44	3.20	3.34
Sharpe Ratio	0.81	0.96	0.64
Tracking Error	0.93	–	1.24
Information Ratio	-0.30	–	-0.94
Up Capture Ratio	101.45	–	90.50
Down Capture Ratio	117.22	–	115.44

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	5.69	4.43	5.01
Avg Eff Maturity	7.48	–	6.82

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MORNINGSTAR

Baird Aggregate Bond Inst BAGIX

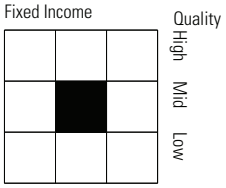
Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

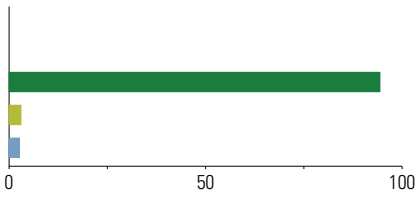
Style Analysis as of 03-31-2020

Style Breakdown

Fixed Income



Asset Allocation as of 03-31-2020

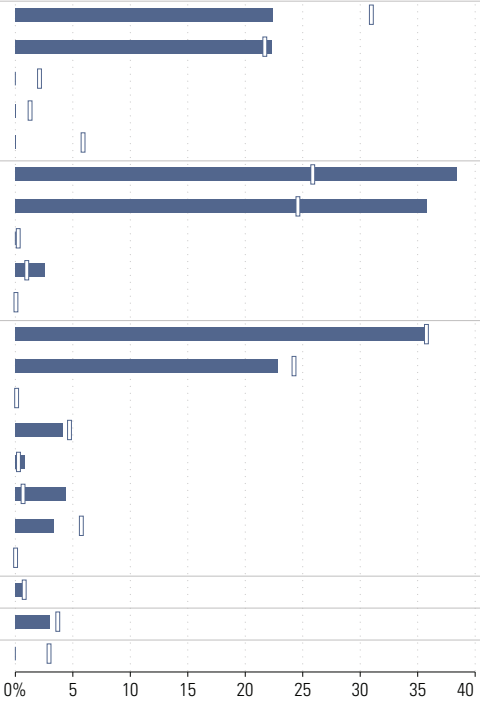


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	94.35	99.45
Cash	3.01	0.44
Other	2.64	0.10
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	59.70	3.53	37.76
AA	3.10	74.59	21.56
A	17.00	10.82	20.07
BBB	19.60	8.32	15.16
BB	0.60	0.28	2.53
B	0.00	0.00	0.91
Below B	0.00	0.00	0.90
Not Rated	0.00	2.46	1.10

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**22.40**	–	**30.97**
Treasury	22.32	–	21.70
Inflation – Protected	0.00	–	2.10
Agency/Quasi Agency	0.06	–	1.28
Other Government Related	0.02	–	5.89
Corporate	**38.40**	–	**25.87**
Corporate Bond	35.82	–	24.58
Bank Loan	0.00	–	0.25
Convertible	2.58	–	0.99
Preferred	0.00	–	0.05
Securitized	**35.54**	–	**35.76**
Agency MBS Pass-Through	22.81	–	24.24
Agency MBS ARM	0.00	–	0.11
Agency MBS CMO	4.12	–	4.71
Non-Agency Residential MBS	0.87	–	0.27
Commercial MBS	4.40	–	0.67
Asset-Backed	3.34	–	5.74
Covered Bond	0.00	–	0.02
Municipal	**0.64**	–	**0.77**
Cash & Equivalents	**3.01**	–	**3.69**
Other	**0.00**	–	**2.93**



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 1.88%	03-2022	5.63	5.63	–
⊖ United States Treasury Bonds 2.88%	05-2043	3.99	9.62	–
⊖ United States Treasury Bonds 2.5%	02-2045	3.79	13.41	–
⊖ First American Government Obligs U	02-2030	2.37	15.79	–
⊖ United States Treasury Bonds 3.5%	02-2039	1.97	17.75	–
⊖ United States Treasury Notes 1.75%	03-2022	1.42	19.17	–
⊖ United States Treasury Notes 1.63%	08-2022	1.25	20.42	–
⊖ United States Treasury Notes 2.25%	11-2025	0.85	21.27	–
⊖ United States Treasury Notes 2.25%	11-2027	0.70	21.97	–
⊖ United States Treasury Notes 3.13%	11-2028	0.67	22.64	–

Total Holdings 1285

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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Mary Ellen Stanek since 09-2000
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Meghan Dean since 05-2019
Jay Schwister since 05-2019
Jeffrey Schrom since 05-2019

Quantitative Screens

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

Management: The fund's management has been in place for 19.52 years.

Style Consistency is not calculated for Fixed Income funds.

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

Morningstar Investment Management LLC Analysis

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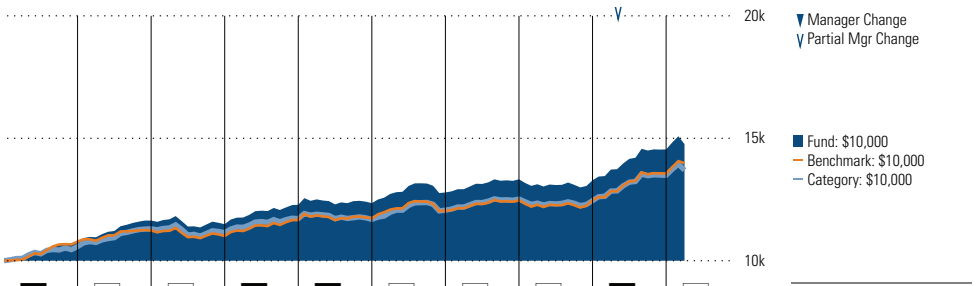
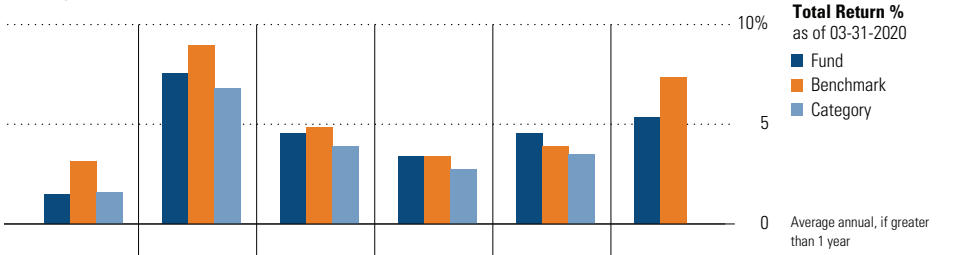
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
7.85	7.92	-1.25	6.89	0.55	3.52	4.20	-0.30	9.48	1.50	Total Return %
0.01	3.71	0.77	0.92	0.00	0.87	0.66	-0.31	0.76	-1.65	+/- Benchmark
1.99	0.91	0.17	1.71	0.81	0.29	0.49	0.20	1.42	-0.07	+/- Category
9	34	36	8	22	37	31	41	15	59	Tot Ret % Rank in Cat
263	282	305	314	324	349	378	403	425	440	# of Funds in Cat
46	64	28	32	40	36	28	24	31	–	Turnover %
–	–	0.30	0.30	0.30	0.30	0.30	0.30	0.30	–	Expense Ratio

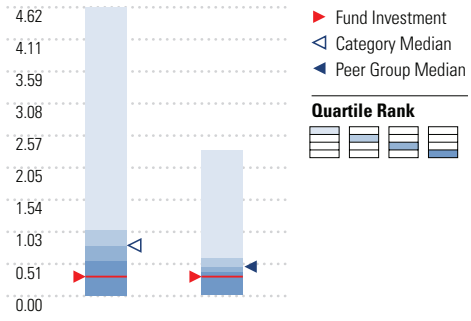
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
1.50	7.55	4.54	3.37	4.55	5.35	Fund Return %
3.15	8.93	4.82	3.36	3.88	7.34	Benchmark Return %
1.57	6.78	3.90	2.74	3.51	–	Category Average %
59	40	25	9	6	–	% Rank in Category
440	430	385	332	254	–	# of Funds in Category

Net Expense



18	16	Percentile
78/432	46/289	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	-0.44	–	-0.77
Beta	1.04	–	0.96
R-Squared	92.76	–	85.57
Standard Deviation	3.44	3.20	3.34
Sharpe Ratio	0.81	0.96	0.64
Tracking Error	0.93	–	1.24
Information Ratio	-0.30	–	-0.94
Up Capture Ratio	101.45	–	90.50
Down Capture Ratio	117.22	–	115.44

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	5.69	4.43	5.01
Avg Eff Maturity	7.48	–	6.82

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MORNINGSTAR

Baird Aggregate Bond Inst BAGIX

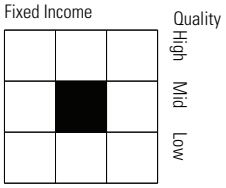
Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

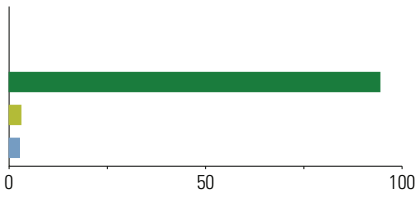
Style Analysis as of 03-31-2020

Style Breakdown

Fixed Income



Asset Allocation as of 03-31-2020

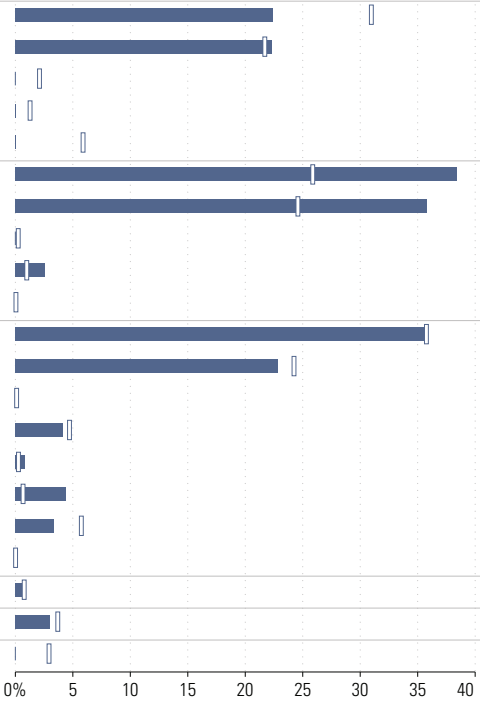


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	94.35	99.45
Cash	3.01	0.44
Other	2.64	0.10
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	59.70	3.53	37.76
AA	3.10	74.59	21.56
A	17.00	10.82	20.07
BBB	19.60	8.32	15.16
BB	0.60	0.28	2.53
B	0.00	0.00	0.91
Below B	0.00	0.00	0.90
Not Rated	0.00	2.46	1.10

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**22.40**	–	**30.97**
Treasury	22.32	–	21.70
Inflation – Protected	0.00	–	2.10
Agency/Quasi Agency	0.06	–	1.28
Other Government Related	0.02	–	5.89
Corporate	**38.40**	–	**25.87**
Corporate Bond	35.82	–	24.58
Bank Loan	0.00	–	0.25
Convertible	2.58	–	0.99
Preferred	0.00	–	0.05
Securitized	**35.54**	–	**35.76**
Agency MBS Pass-Through	22.81	–	24.24
Agency MBS ARM	0.00	–	0.11
Agency MBS CMO	4.12	–	4.71
Non-Agency Residential MBS	0.87	–	0.27
Commercial MBS	4.40	–	0.67
Asset-Backed	3.34	–	5.74
Covered Bond	0.00	–	0.02
Municipal	**0.64**	–	**0.77**
Cash & Equivalents	**3.01**	–	**3.69**
Other	**0.00**	–	**2.93**



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 1.88%	03-2022	5.63	5.63	–
⊖ United States Treasury Bonds 2.88%	05-2043	3.99	9.62	–
⊖ United States Treasury Bonds 2.5%	02-2045	3.79	13.41	–
⊖ First American Government Obligs U	02-2030	2.37	15.79	–
⊖ United States Treasury Bonds 3.5%	02-2039	1.97	17.75	–
⊖ United States Treasury Notes 1.75%	03-2022	1.42	19.17	–
⊖ United States Treasury Notes 1.63%	08-2022	1.25	20.42	–
⊖ United States Treasury Notes 2.25%	11-2025	0.85	21.27	–
⊖ United States Treasury Notes 2.25%	11-2027	0.70	21.97	–
⊖ United States Treasury Notes 3.13%	11-2028	0.67	22.64	–

Total Holdings 1285

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

DFA US Small Cap Value I DFSVX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Portfolio Manager(s)
Jed Fogdall since 02-2012
Joel Schneider since 07-2015
Marc Leblond since 02-2020

Quantitative Screens

Performance: The fund has finished in the Small Value 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 8.09 years.

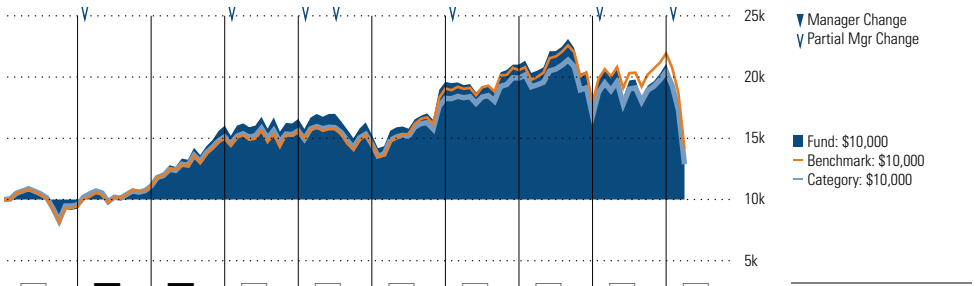
Style: The fund has landed in its primary style box — Small Value — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.53 is 55.46% lower than the Small Value category average.

Morningstar Investment Management LLC Analysis

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

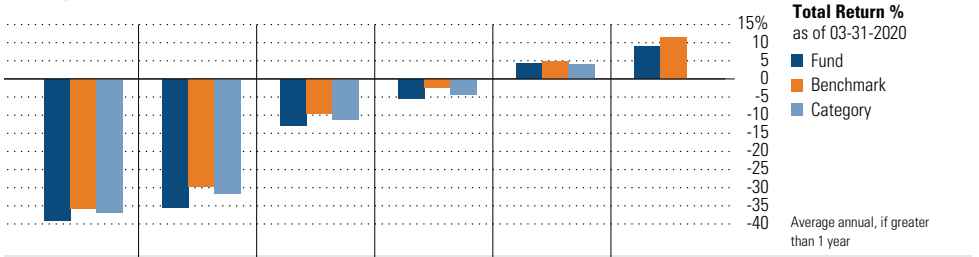
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-7.55	21.72	42.38	3.48	-7.81	28.26	7.21	-15.13	18.12	-39.02	Total Return %
-2.05	3.67	7.86	-0.74	-0.34	-3.48	-0.63	-2.27	-4.27	-3.36	+/- Benchmark
-3.10	5.72	6.16	0.14	-1.10	2.27	-1.33	0.33	-3.31	-2.13	+/- Category
81	11	12	58	71	33	67	48	82	72	Tot Ret % Rank in Cat
269	296	309	333	355	379	399	415	432	450	# of Funds in Cat
14	15	14	9	9	19	24	27	19	–	Turnover %
–	–	0.52	0.52	0.52	0.52	0.52	0.52	0.53	–	Expense Ratio

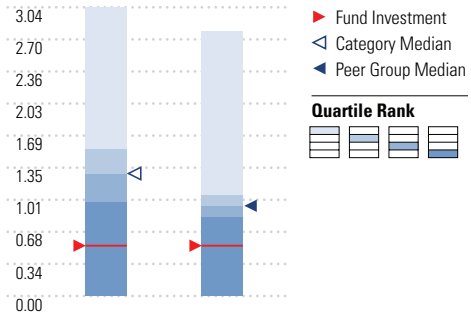
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-39.02	-35.36	-12.74	-5.43	4.16	8.89	Fund Return %
-35.66	-29.64	-9.51	-2.42	4.79	11.37	Benchmark Return %
-36.89	-31.64	-11.15	-4.27	3.93	–	Category Average %
72	74	72	72	50	–	% Rank in Category
450	432	407	356	250	–	# of Funds in Category

Net Expense



7	5	Percentile
29/440	12/254	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	-2.28	–	-1.11
Beta	1.10	–	1.02
R-Squared	98.85	–	96.43
Standard Deviation	24.74	22.39	23.27
Sharpe Ratio	-0.49	-0.40	-0.44
Tracking Error	3.45	–	4.66
Information Ratio	-0.94	–	-0.29
Up Capture Ratio	104.17	–	97.38
Down Capture Ratio	113.40	–	102.79

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	11.81	10.07	9.68
Price/Book Ratio	0.95	0.93	0.91
Geom Avg Mkt Cap $B	1.64	1.19	2.02
ROE	6.49	6.00	10.82

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MORNINGSTAR

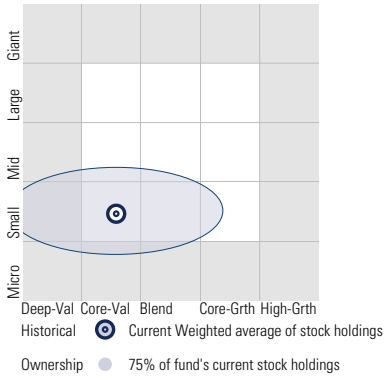
DFA US Small Cap Value I DFSVX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



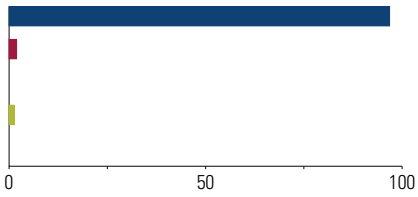
Style Breakdown

Equity

0	0	0	Large
6	6	1	Mid
50	31	6	Small
Value	Blend	Growth	

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

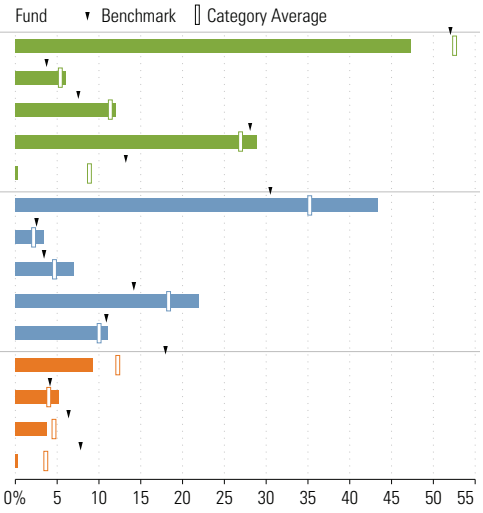
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	96.81	95.85
Non-US Stocks	1.90	2.16
Bonds	0.00	0.01
Cash	1.29	1.90
Other	0.00	0.08
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**47.30**	**51.87**	**52.54**
Basic Materials	6.06	3.56	5.38
Consumer Cyclical	12.02	7.36	11.36
Financial Services	28.89	27.91	26.94
Real Estate	0.33	13.04	8.86
Sensitive	**43.42**	**30.33**	**35.21**
Communication Services	3.45	2.36	2.18
Energy	7.01	3.26	4.68
Industrials	21.90	14.00	18.33
Technology	11.06	10.71	10.02
Defensive	**9.27**	**17.79**	**12.25**
Consumer Defensive	5.15	3.97	3.99
Healthcare	3.77	6.19	4.62
Utilities	0.35	7.63	3.64



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Ssc Government Mm Gvmxx	1.20	1.20	–	–
⊖ Tech Data Corp	1.09	2.29	-8.88	Technology
⊖ Darling Ingredients Inc	0.96	3.25	-31.73	Consumer Defensive
⊖ Taylor Morrison Home Corp Class A	0.87	4.12	-49.68	Consumer Cyclical
⊖ FTI Consulting Inc	0.79	4.91	8.23	Industrials
⊖ Aircastle Ltd	0.78	5.69	–	Industrials
Meritage Homes Corp	0.76	6.45	-40.26	Consumer Cyclical
⊖ GATX Corp	0.73	7.17	-23.91	Industrials
⊖ CACI International Inc Class A	0.69	7.86	-15.54	Technology
⊖ American Equity Investment Life Holding Co	0.67	8.53	-37.19	Financial Services
Regal Beloit Corp	0.66	9.20	-26.12	Industrials
M.D.C. Holdings Inc	0.66	9.86	-38.34	Consumer Cyclical
⊖ Washington Federal Inc	0.66	10.52	-28.57	Financial Services
⊖ SkyWest Inc	0.65	11.16	-59.26	Industrials
⊕ Associated Banc-Corp	0.64	11.81	-41.15	Financial Services

Total Holdings 965

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

DFA US Small Cap Value I DFSVX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Portfolio Manager(s)
Jed Fogdall since 02-2012
Joel Schneider since 07-2015
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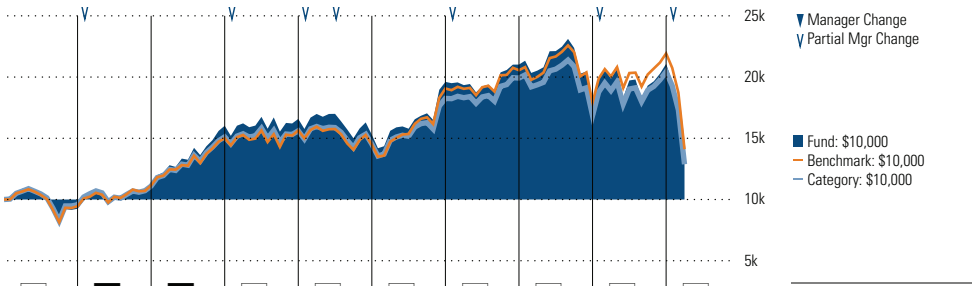
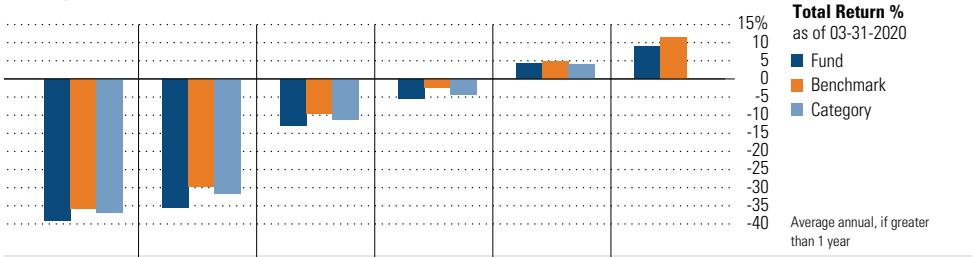
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-7.55	21.72	42.38	3.48	-7.81	28.26	7.21	-15.13	18.12	-39.02	Total Return %
-2.05	3.67	7.86	-0.74	-0.34	-3.48	-0.63	-2.27	-4.27	-3.36	+/- Benchmark
-3.10	5.72	6.16	0.14	-1.10	2.27	-1.33	0.33	-3.31	-2.13	+/- Category
81	11	12	58	71	33	67	48	82	72	Tot Ret % Rank in Cat
269	296	309	333	355	379	399	415	432	450	# of Funds in Cat
14	15	14	9	9	19	24	27	19	–	Turnover %
–	–	0.52	0.52	0.52	0.52	0.52	0.52	0.53	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-39.02	-35.36	-12.74	-5.43	4.16	8.89	Fund Return %
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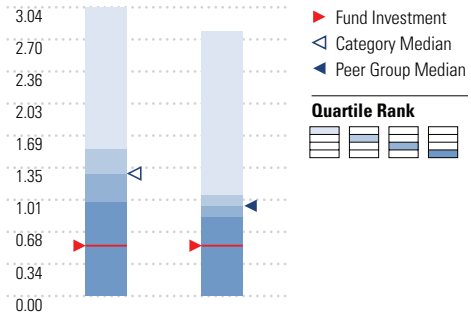
-36.89	-31.64	-11.15	-4.27	3.93	–	Category Average %
72	74	72	72	50	–	% Rank in Category
450	432	407	356	250	–	# of Funds in Category

Net Expense



7	5	Percentile
29/440	12/254	Rank

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3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-2.28	–	-1.11
Beta	1.10	–	1.02
R-Squared	98.85	–	96.43
Standard Deviation	24.74	22.39	23.27
Sharpe Ratio	-0.49	-0.40	-0.44
Tracking Error	3.45	–	4.66
Information Ratio	-0.94	–	-0.29
Up Capture Ratio	104.17	–	97.38
Down Capture Ratio	113.40	–	102.79

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	11.81	10.07	9.68
Price/Book Ratio	0.95	0.93	0.91
Geom Avg Mkt Cap $B	1.64	1.19	2.02
ROE	6.49	6.00	10.82

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MORNINGSTAR

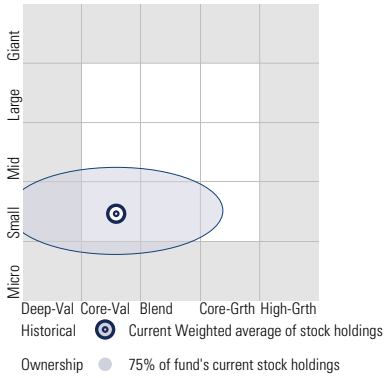
DFA US Small Cap Value I DFSVX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



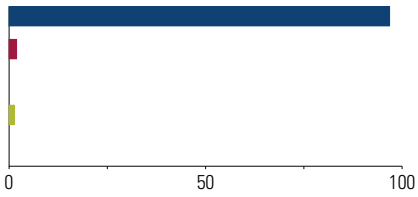
Style Breakdown

Equity

0	0	0	Large
6	6	1	Mid
50	31	6	Small
Value	Blend	Growth	

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

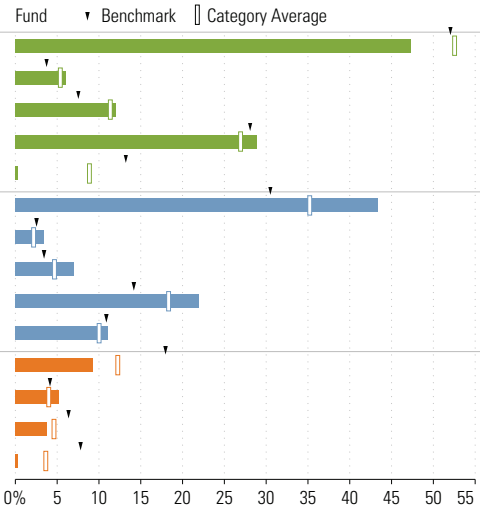
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	96.81	95.85
Non-US Stocks	1.90	2.16
Bonds	0.00	0.01
Cash	1.29	1.90
Other	0.00	0.08
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**47.30**	**51.87**	**52.54**
Basic Materials	6.06	3.56	5.38
Consumer Cyclical	12.02	7.36	11.36
Financial Services	28.89	27.91	26.94
Real Estate	0.33	13.04	8.86
Sensitive	**43.42**	**30.33**	**35.21**
Communication Services	3.45	2.36	2.18
Energy	7.01	3.26	4.68
Industrials	21.90	14.00	18.33
Technology	11.06	10.71	10.02
Defensive	**9.27**	**17.79**	**12.25**
Consumer Defensive	5.15	3.97	3.99
Healthcare	3.77	6.19	4.62
Utilities	0.35	7.63	3.64



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Ssc Government Mm Gvmxx	1.20	1.20	–	–
⊖ Tech Data Corp	1.09	2.29	-8.88	Technology
⊖ Darling Ingredients Inc	0.96	3.25	-31.73	Consumer Defensive
⊖ Taylor Morrison Home Corp Class A	0.87	4.12	-49.68	Consumer Cyclical
⊖ FTI Consulting Inc	0.79	4.91	8.23	Industrials
⊖ Aircastle Ltd	0.78	5.69	–	Industrials
Meritage Homes Corp	0.76	6.45	-40.26	Consumer Cyclical
⊖ GATX Corp	0.73	7.17	-23.91	Industrials
⊖ CACI International Inc Class A	0.69	7.86	-15.54	Technology
⊖ American Equity Investment Life Holding Co	0.67	8.53	-37.19	Financial Services
Regal Beloit Corp	0.66	9.20	-26.12	Industrials
M.D.C. Holdings Inc	0.66	9.86	-38.34	Consumer Cyclical
⊖ Washington Federal Inc	0.66	10.52	-28.57	Financial Services
⊖ SkyWest Inc	0.65	11.16	-59.26	Industrials
⊕ Associated Banc-Corp	0.64	11.81	-41.15	Financial Services

Total Holdings 965

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Federated Government Ultrashrt Dur R6 FGULX

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 2 of the 3 years it's been in existence.

Management: The fund's management has been in place for 22.74 years.

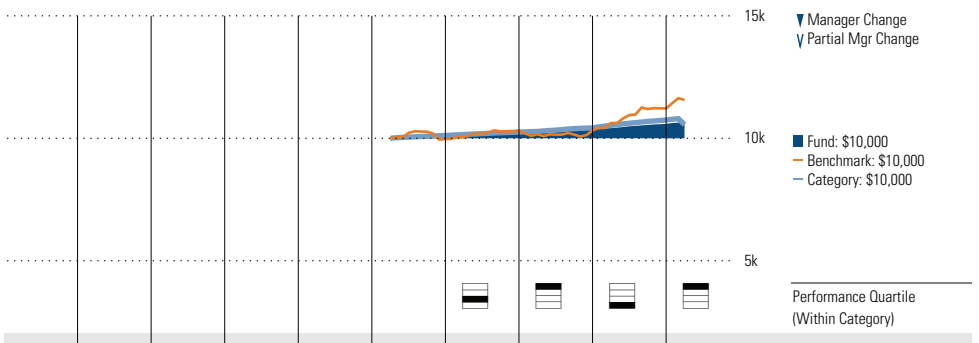
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.24 is 47.83% lower than the Ultrashort Bond category average.

Morningstar Investment Management LLC Analysis

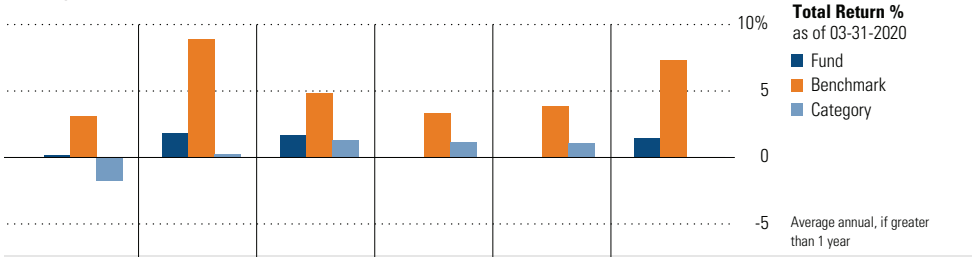
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of $10,000



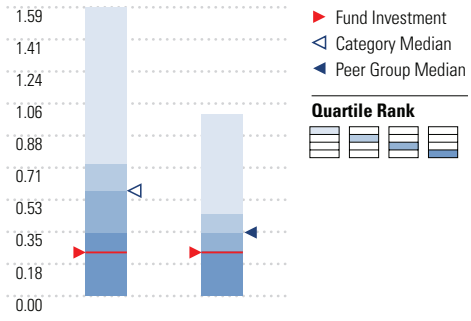
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	–	–	–	–	1.08	1.90	2.16	0.15	Total Return %
–	–	–	–	–	–	-2.46	1.89	-6.56	-3.00	+/- Benchmark
–	–	–	–	–	–	-0.36	0.29	-0.92	1.91	+/- Category
–	–	–	–	–	–	73	23	93	14	Tot Ret % Rank in Cat
–	–	–	–	–	–	160	175	200	214	# of Funds in Cat
–	–	–	–	–	8	19	18	31	–	Turnover %
–	–	–	–	–	0.23	0.24	0.24	0.24	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
0.15	1.82	1.68	–	–	1.45	Fund Return %
3.15	8.93	4.82	3.36	3.88	7.34	Benchmark Return %
-1.76	0.28	1.31	1.14	1.07	–	Category Average %
14	21	29	–	–	–	% Rank in Category
214	204	164	–	–	–	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	
19	21	Percentile
40/207	32/154	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	1.41	–	0.65
Beta	0.05	–	0.12
R-Squared	20.72	–	9.71
Standard Deviation	0.37	3.20	1.60
Sharpe Ratio	-0.27	0.96	-0.35
Tracking Error	3.05	–	3.34
Information Ratio	-1.03	–	-1.08
Up Capture Ratio	17.67	–	20.90
Down Capture Ratio	-20.92	–	10.17

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.38	4.43	0.87
Avg Eff Maturity	2.62	–	1.41

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MORNINGSTAR

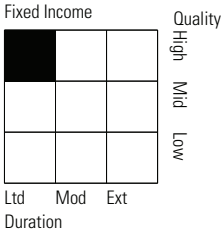
Federated Government Ultrashrt Dur R6 FGULX

Morningstar Category
Ultrashort Bond

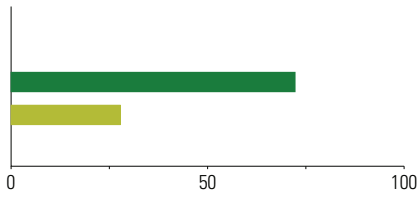
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 03-31-2020

Style Breakdown



Asset Allocation as of 03-31-2020

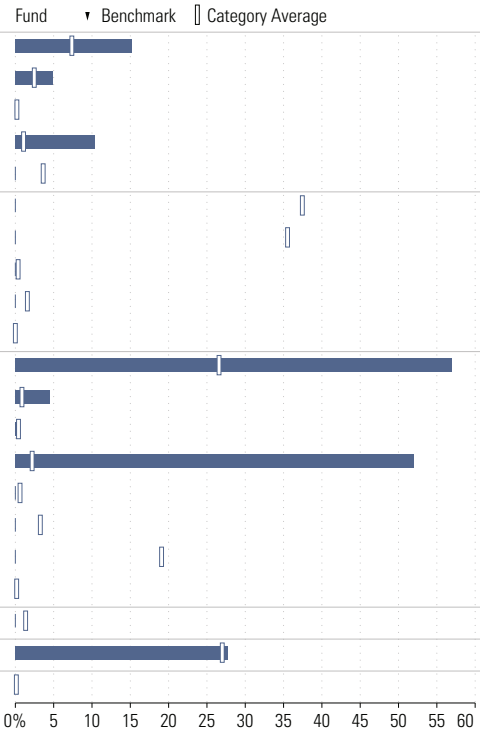


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	72.25	70.50
Cash	27.75	26.95
Other	0.00	2.56
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	3.53	56.93
AA	0.00	74.59	7.29
A	0.00	10.82	16.98
BBB	0.00	8.32	12.33
BB	0.00	0.28	1.33
B	0.00	0.00	0.01
Below B	0.00	0.00	0.38
Not Rated	0.00	2.46	4.75

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**15.26**	–	**7.37**
Treasury	4.88	–	2.47
Inflation – Protected	0.00	–	0.20
Agency/Quasi Agency	10.38	–	1.07
Other Government Related	0.00	–	3.63
Corporate	**0.00**	–	**37.45**
Corporate Bond	0.00	–	35.52
Bank Loan	0.00	–	0.36
Convertible	0.00	–	1.57
Preferred	0.00	–	0.00
Securitized	**56.99**	–	**26.58**
Agency MBS Pass-Through	4.53	–	0.86
Agency MBS ARM	0.51	–	0.41
Agency MBS CMO	51.95	–	2.19
Non-Agency Residential MBS	0.00	–	0.61
Commercial MBS	0.00	–	3.26
Asset-Backed	0.00	–	19.08
Covered Bond	0.00	–	0.17
Municipal	**0.00**	–	**1.34**
Cash & Equivalents	**27.75**	–	**27.00**
Other	**0.00**	–	**0.13**



Top 10 Holdings as of 03-31-2020

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

Total Holdings 223

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Federated Government Ultrashrt Dur R6 FGULX

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 2 of the 3 years it's been in existence.

Management: The fund's management has been in place for 22.74 years.

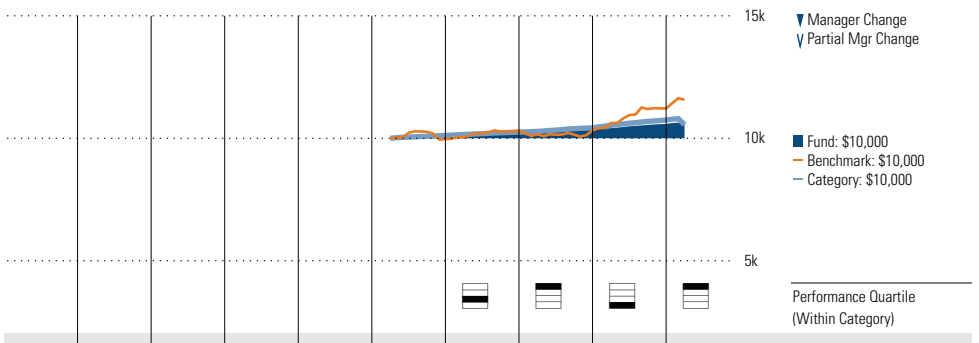
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.24 is 47.83% lower than the Ultrashort Bond category average.

Morningstar Investment Management LLC Analysis

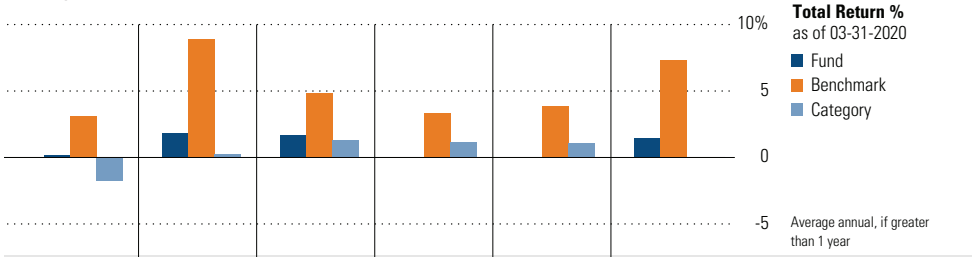
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of $10,000



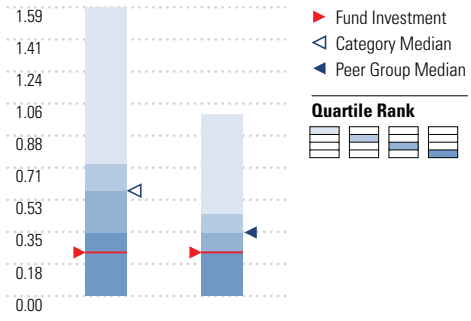
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	–	–	–	–	1.08	1.90	2.16	0.15	Total Return %
–	–	–	–	–	–	-2.46	1.89	-6.56	-3.00	+/- Benchmark
–	–	–	–	–	–	-0.36	0.29	-0.92	1.91	+/- Category
–	–	–	–	–	–	73	23	93	14	Tot Ret % Rank in Cat
–	–	–	–	–	–	160	175	200	214	# of Funds in Cat
–	–	–	–	–	8	19	18	31	–	Turnover %
–	–	–	–	–	0.23	0.24	0.24	0.24	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
0.15	1.82	1.68	–	–	1.45	Fund Return %
3.15	8.93	4.82	3.36	3.88	7.34	Benchmark Return %
-1.76	0.28	1.31	1.14	1.07	–	Category Average %
14	21	29	–	–	–	% Rank in Category
214	204	164	–	–	–	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	
19	21	Percentile
40/207	32/154	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	1.41	–	0.65
Beta	0.05	–	0.12
R-Squared	20.72	–	9.71
Standard Deviation	0.37	3.20	1.60
Sharpe Ratio	-0.27	0.96	-0.35
Tracking Error	3.05	–	3.34
Information Ratio	-1.03	–	-1.08
Up Capture Ratio	17.67	–	20.90
Down Capture Ratio	-20.92	–	10.17

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.38	4.43	0.87
Avg Eff Maturity	2.62	–	1.41

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MORNINGSTAR

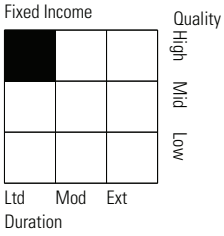
Federated Government Ultrashrt Dur R6 FGULX

Morningstar Category
Ultrashort Bond

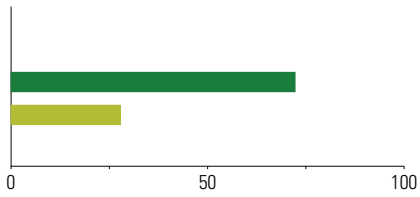
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 03-31-2020

Style Breakdown



Asset Allocation as of 03-31-2020

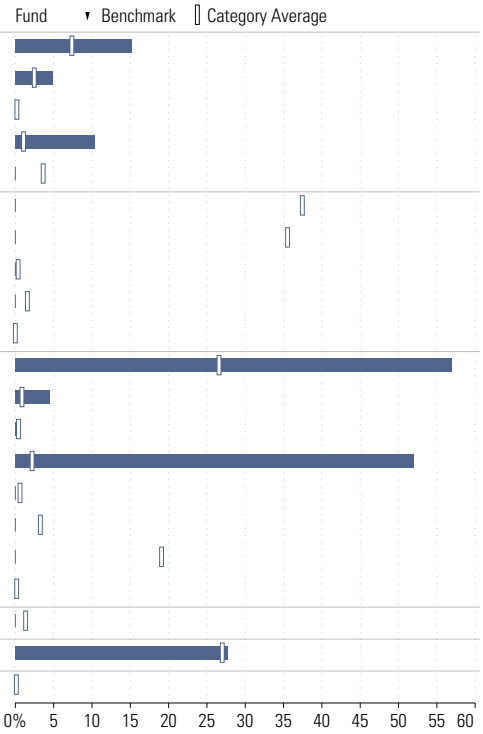


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	72.25	70.50
Cash	27.75	26.95
Other	0.00	2.56
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	3.53	56.93
AA	0.00	74.59	7.29
A	0.00	10.82	16.98
BBB	0.00	8.32	12.33
BB	0.00	0.28	1.33
B	0.00	0.00	0.01
Below B	0.00	0.00	0.38
Not Rated	0.00	2.46	4.75

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**15.26**	–	**7.37**
Treasury	4.88	–	2.47
Inflation – Protected	0.00	–	0.20
Agency/Quasi Agency	10.38	–	1.07
Other Government Related	0.00	–	3.63
Corporate	**0.00**	–	**37.45**
Corporate Bond	0.00	–	35.52
Bank Loan	0.00	–	0.36
Convertible	0.00	–	1.57
Preferred	0.00	–	0.00
Securitized	**56.99**	–	**26.58**
Agency MBS Pass-Through	4.53	–	0.86
Agency MBS ARM	0.51	–	0.41
Agency MBS CMO	51.95	–	2.19
Non-Agency Residential MBS	0.00	–	0.61
Commercial MBS	0.00	–	3.26
Asset-Backed	0.00	–	19.08
Covered Bond	0.00	–	0.17
Municipal	**0.00**	–	**1.34**
Cash & Equivalents	**27.75**	–	**27.00**
Other	**0.00**	–	**0.13**



Top 10 Holdings as of 03-31-2020

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

Total Holdings 223

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Invesco Diversified Dividend R6 LCEFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Portfolio Manager(s)

Meggan Walsh since 12-2002
Kristina Bradshaw since 02-2014
Robert Botard since 02-2014
Christopher McMeans since 02-2016

Quantitative Screens

Performance: The fund has finished in the Large Value category's top three quartiles in 6 of the 7 years it's been in existence.

Management: The fund's management has been in place for 17.26 years.

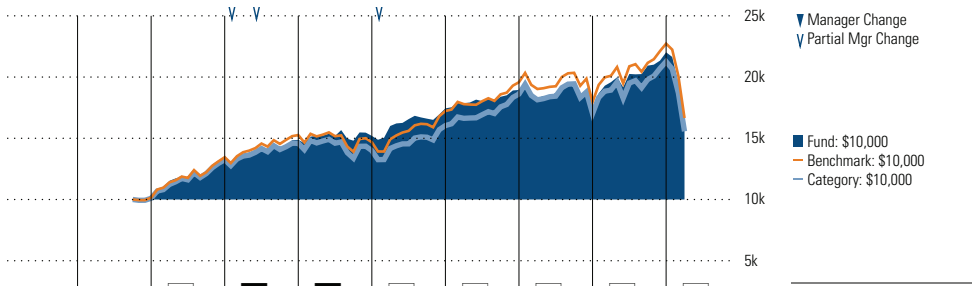
Style: The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.41 is 56.84% lower than the Large Value category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000

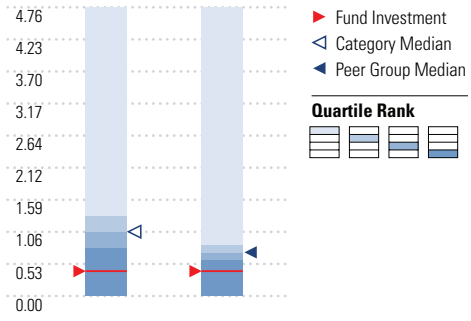


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	29.42	12.42	2.20	14.77	8.64	-7.45	25.58	-24.20	Total Return %
–	–	-3.11	-1.03	6.03	-2.57	-5.02	0.82	-0.96	2.53	+/- Benchmark
–	–	-1.79	2.21	6.25	-0.04	-7.30	1.08	0.54	2.57	+/- Category
–	–	72	20	3	45	97	35	48	27	Tot Ret % Rank in Cat
–	–	848	896	948	1,042	1,093	1,180	1,209	1,256	# of Funds in Cat
–	12	9	6	11	11	8	10	5	–	Turnover %
–	–	0.48	0.44	0.43	0.40	0.39	0.40	0.41	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.20	-14.75	-2.24	1.90	–	6.91	Fund Return %
-26.73	-17.17	-2.18	1.90	7.67	11.08	Benchmark Return %
-26.77	-17.73	-2.11	1.42	6.89	–	Category Average %
27	30	54	41	–	–	% Rank in Category
1,256	1,217	1,112	962	–	–	# of Funds in Category

Net Expense



12	9	Percentile
143/1239	61/683	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	-0.65	–	-0.03
Beta	0.81	–	0.99
R-Squared	94.46	–	95.73
Standard Deviation	14.00	16.79	16.92
Sharpe Ratio	-0.22	-0.15	-0.14
Tracking Error	4.58	–	3.75
Information Ratio	-0.01	–	0.01
Up Capture Ratio	72.35	–	99.24
Down Capture Ratio	76.20	–	99.59

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.75	13.21	11.58
Price/Book Ratio	2.48	1.48	1.46
Geom Avg Mkt Cap $B	50.09	50.27	79.38
ROE	19.46	14.68	18.84

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MORNINGSTAR

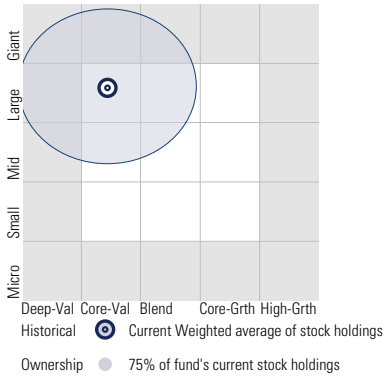
Invesco Diversified Dividend R6 LCEFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



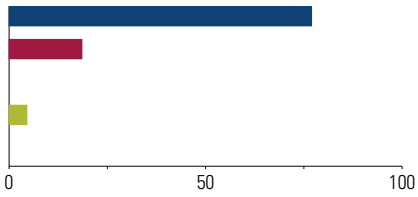
Style Breakdown

Equity

51	33	2	Large
9	4	0	Mid
1	0	0	Small
Value	Blend	Growth	

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

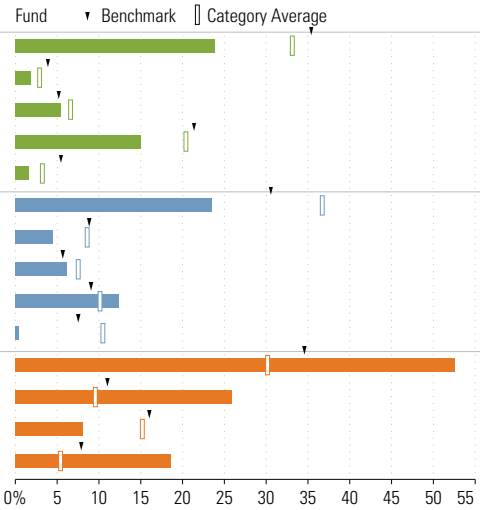
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	76.96	90.74
Non-US Stocks	18.52	6.61
Bonds	0.00	0.31
Cash	4.52	1.77
Other	0.00	0.56
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**23.88**	**35.22**	**33.13**
Basic Materials	1.81	3.72	2.90
Consumer Cyclical	5.41	5.02	6.60
Financial Services	15.04	21.20	20.40
Real Estate	1.62	5.28	3.23
Sensitive	**23.51**	**30.39**	**36.71**
Communication Services	4.49	8.66	8.59
Energy	6.20	5.50	7.52
Industrials	12.38	8.88	10.13
Technology	0.44	7.35	10.47
Defensive	**52.61**	**34.40**	**30.17**
Consumer Defensive	25.88	10.84	9.57
Healthcare	8.13	15.85	15.19
Utilities	18.60	7.71	5.41



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ The Hartford Financial Services Group Inc	3.25	3.25	-41.48	Financial Services
⊖ Entergy Corp	3.20	6.45	-20.78	Utilities
General Mills Inc	3.09	9.54	-0.56	Consumer Defensive
⊖ Procter & Gamble Co	2.89	12.44	-11.33	Consumer Defensive
⊖ Coca-Cola Co	2.65	15.09	-19.31	Consumer Defensive
⊖ AT&T Inc	2.64	17.73	-24.08	Communication Svc
PPL Corp	2.56	20.28	-30.06	Utilities
⊖ Dominion Energy Inc	2.42	22.71	-11.70	Utilities
⊕ Citi_gl_fxgl	2.29	25.00	–	–
⊕ Citi_gl_fxgl	2.28	27.28	–	–
⊕ Rbcc_gl_fxgl	2.24	29.53	–	–
⊕ Rbcc_gl_fxgl	2.23	31.75	–	–
Exelon Corp	2.18	33.94	-18.42	Utilities
Campbell Soup Co	2.13	36.07	-5.89	Consumer Defensive
M&T Bank Corp	2.12	38.19	-38.42	Financial Services

Total Holdings 83

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Invesco Diversified Dividend R6 LCEFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Portfolio Manager(s)

Meggan Walsh since 12-2002
Kristina Bradshaw since 02-2014
Robert Botard since 02-2014
Christopher McMeans since 02-2016

Quantitative Screens

Performance: The fund has finished in the Large Value category's top three quartiles in 6 of the 7 years it's been in existence.

Management: The fund's management has been in place for 17.26 years.

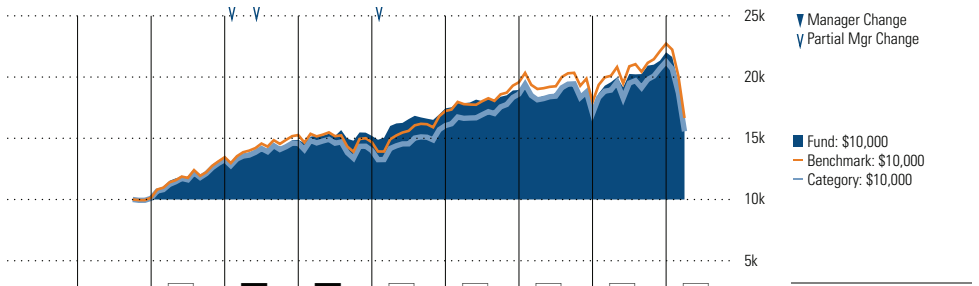
Style: The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.41 is 56.84% lower than the Large Value category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000

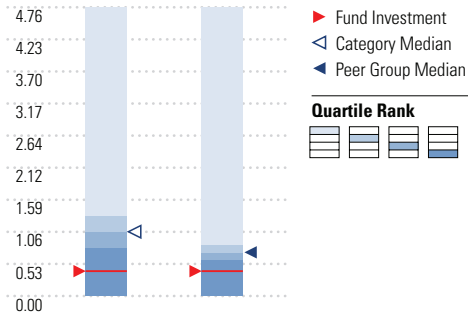


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	29.42	12.42	2.20	14.77	8.64	-7.45	25.58	-24.20	Total Return %
–	–	-3.11	-1.03	6.03	-2.57	-5.02	0.82	-0.96	2.53	+/- Benchmark
–	–	-1.79	2.21	6.25	-0.04	-7.30	1.08	0.54	2.57	+/- Category
–	–	72	20	3	45	97	35	48	27	Tot Ret % Rank in Cat
–	–	848	896	948	1,042	1,093	1,180	1,209	1,256	# of Funds in Cat
–	12	9	6	11	11	8	10	5	–	Turnover %
–	–	0.48	0.44	0.43	0.40	0.39	0.40	0.41	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.20	-14.75	-2.24	1.90	–	6.91	Fund Return %
-26.73	-17.17	-2.18	1.90	7.67	11.08	Benchmark Return %
-26.77	-17.73	-2.11	1.42	6.89	–	Category Average %
27	30	54	41	–	–	% Rank in Category
1,256	1,217	1,112	962	–	–	# of Funds in Category

Net Expense



12	9	Percentile
143/1239	61/683	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	-0.65	–	-0.03
Beta	0.81	–	0.99
R-Squared	94.46	–	95.73
Standard Deviation	14.00	16.79	16.92
Sharpe Ratio	-0.22	-0.15	-0.14
Tracking Error	4.58	–	3.75
Information Ratio	-0.01	–	0.01
Up Capture Ratio	72.35	–	99.24
Down Capture Ratio	76.20	–	99.59

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.75	13.21	11.58
Price/Book Ratio	2.48	1.48	1.46
Geom Avg Mkt Cap $B	50.09	50.27	79.38
ROE	19.46	14.68	18.84

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MORNINGSTAR

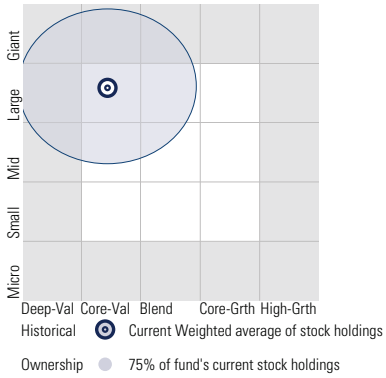
Invesco Diversified Dividend R6 LCEFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



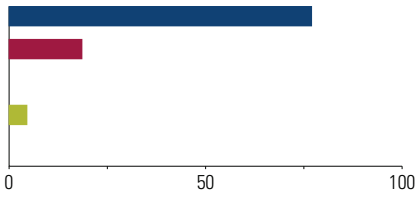
Style Breakdown

Equity

51	33	2	Large
9	4	0	Mid
1	0	0	Small
Value	Blend	Growth	

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

Asset Allocation as of 03-31-2020



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Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
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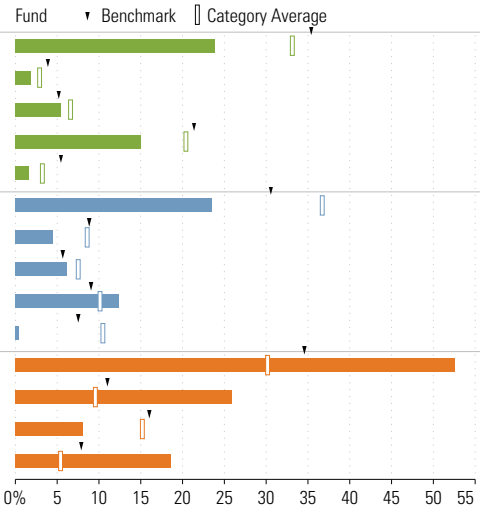

Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
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⊖ Dominion Energy Inc	2.42	22.71	-11.70	Utilities
⊕ Citi_gl_fxgl	2.29	25.00	–	–
⊕ Citi_gl_fxgl	2.28	27.28	–	–
⊕ Rbcc_gl_fxgl	2.24	29.53	–	–
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Exelon Corp	2.18	33.94	-18.42	Utilities
Campbell Soup Co	2.13	36.07	-5.89	Consumer Defensive
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Total Holdings 83

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Invesco Oppenheimer Developing Mkts R6 ODVIX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI EM NR USD

Portfolio Manager(s)

Justin Leverenz since 05-2007

Quantitative Screens

Performance: The fund has finished in the Diversified Emerging Mkts 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 12.93 years.

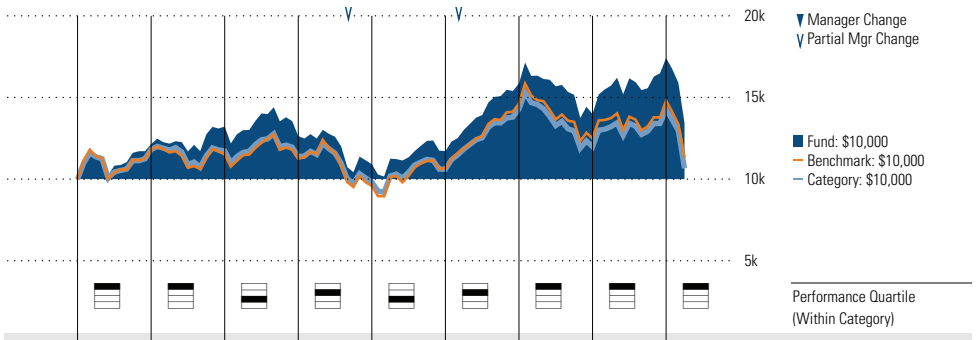
Style: The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.83 is 34.65% 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

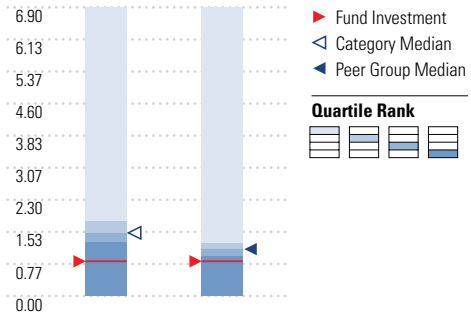


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	21.43	8.85	-4.39	-13.67	7.38	35.33	-11.79	24.53	-22.81	Total Return %
–	3.21	11.45	-2.20	1.25	-3.81	-1.95	2.78	6.11	0.79	+/- Benchmark
–	3.28	8.99	-1.38	0.12	-1.09	1.16	4.28	5.28	2.45	+/- Category
–	20	13	68	45	56	49	13	20	24	Tot Ret % Rank in Cat
–	355	416	477	563	638	697	752	813	857	# of Funds in Cat
34	20	29	26	36	18	33	36	7	–	Turnover %
–	–	0.87	0.85	0.86	0.88	0.88	0.87	0.83	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-22.81	-14.50	1.09	1.49	–	3.68	Fund Return %
-23.60	-17.69	-1.62	-0.37	0.68	7.51	Benchmark Return %
-25.26	-19.17	-3.34	-1.35	0.49	–	Category Average %
24	20	11	12	–	–	% Rank in Category
857	825	707	580	–	–	# of Funds in Category

Net Expense



17	13	Percentile
143/835	61/471	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	2.60	–	-1.35
Beta	0.94	–	0.97
R-Squared	95.52	–	91.31
Standard Deviation	16.67	17.36	17.72
Sharpe Ratio	0.04	-0.11	-0.18
Tracking Error	3.69	–	5.12
Information Ratio	0.73	–	-0.26
Up Capture Ratio	97.18	–	91.96
Down Capture Ratio	86.22	–	98.78

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.12	11.77	11.91
Price/Book Ratio	3.35	1.34	1.57
Geom Avg Mkt Cap $B	51.69	32.46	31.22
ROE	20.98	16.18	17.95

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MORNINGSTAR

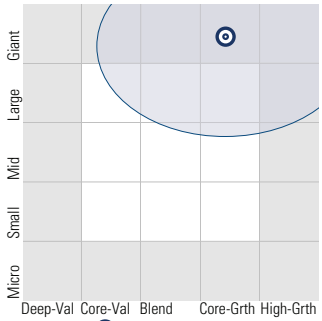
Invesco Oppenheimer Developing Mkts R6 ODVIX

Morningstar Category Diversified Emerging Mkts

Morningstar Index MSCI EM NR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

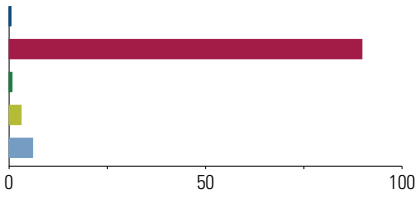
Equity

14	25	52	Large
1	0	7	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10

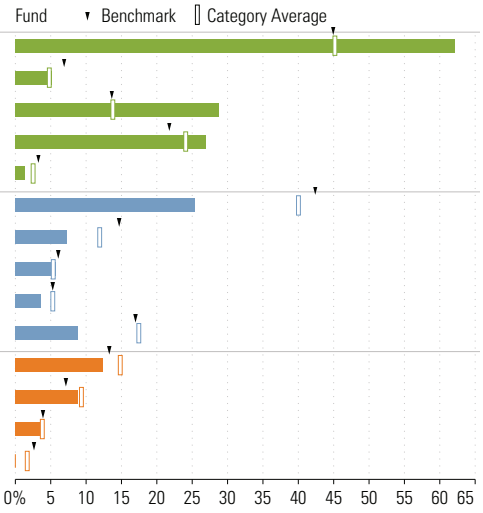
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	0.49	2.97
Non-US Stocks	89.76	94.45
Bonds	0.72	0.48
Cash	3.05	1.54
Other	5.98	0.56
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**62.18**	**44.73**	**45.17**
Basic Materials	5.21	6.69	4.80
Consumer Cyclical	28.73	13.43	13.78
Financial Services	26.91	21.56	24.08
Real Estate	1.33	3.05	2.51
Sensitive	**25.44**	**42.19**	**40.02**
Communication Services	7.34	14.47	11.92
Energy	5.66	5.86	5.36
Industrials	3.59	5.08	5.29
Technology	8.85	16.78	17.45
Defensive	**12.38**	**13.07**	**14.83**
Consumer Defensive	8.78	6.94	9.34
Healthcare	3.60	3.70	3.81
Utilities	0.00	2.43	1.68



World Regions % Equity 03-31-2020

	Fund %	Cat %
Greater Asia	59.19	71.09
Japan	0.00	0.10
Australasia	0.00	0.01
Asia-4 Tigers	17.30	23.83
Asia-ex 4 Tigers	41.89	47.15
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	18.25	14.36
North America	0.53	1.90
Central/Latin	17.72	12.46

	Fund %	Cat %
Greater Europe	22.56	14.55
United Kingdom	0.00	0.75
W euro-ex UK	9.44	1.66
Emrgng Europe	9.98	6.89
Africa	3.14	5.25

Market Maturity	Fund %
Developed Markets	27.27
Emerging Markets	72.73
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Alibaba Group Holding Ltd ADR	6.98	6.98	-8.31	Consumer Cyclical
⊕ Master China Series 1	5.95	12.93	–	–
⊕ Taiwan Semiconductor Manufacturing Co Ltd	5.13	18.06	-16.47	Technology
⊕ Kering SA	5.10	23.16	-18.08	Consumer Cyclical
⊕ Tencent Holdings Ltd	4.89	28.05	1.22	Communication Svc
⊕ Housing Development Finance Corp Ltd	4.55	32.61	-32.31	Financial Services
⊕ NOVATEK PJSC GDR	4.55	37.15	-43.00	Energy
⊕ AIA Group Ltd	3.51	40.66	-14.24	Financial Services
⊖ Kotak Mahindra Bank Ltd	2.84	43.50	-23.05	Financial Services
⊕ Usd Currency Cash	2.77	46.27	–	–

Total Holdings 92

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Invesco Oppenheimer Developing Mkts R6 ODVIX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI EM NR USD

Portfolio Manager(s)

Justin Leverenz since 05-2007

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Performance: The fund has finished in the Diversified Emerging Mkts 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 12.93 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 0.83 is 34.65% lower than the Diversified Emerging Mkts category average.

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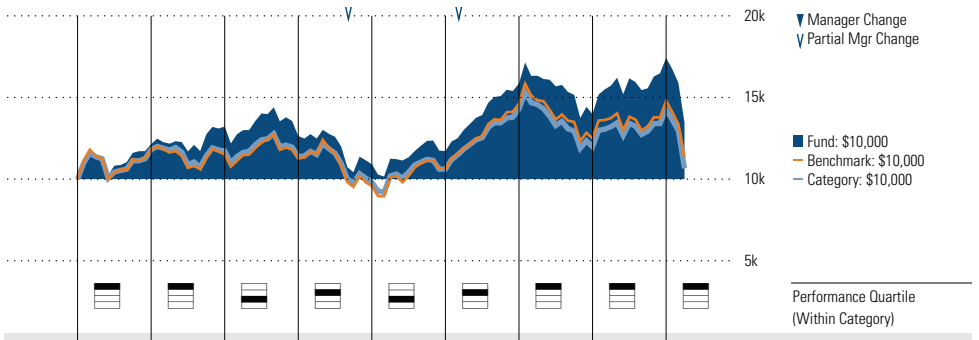
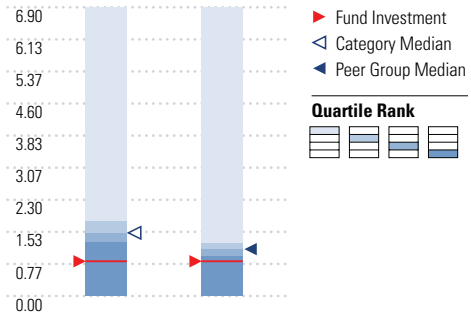


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	21.43	8.85	-4.39	-13.67	7.38	35.33	-11.79	24.53	-22.81	Total Return %
–	3.21	11.45	-2.20	1.25	-3.81	-1.95	2.78	6.11	0.79	+/- Benchmark
–	3.28	8.99	-1.38	0.12	-1.09	1.16	4.28	5.28	2.45	+/- Category
–	20	13	68	45	56	49	13	20	24	Tot Ret % Rank in Cat
–	355	416	477	563	638	697	752	813	857	# of Funds in Cat
34	20	29	26	36	18	33	36	7	–	Turnover %
–	–	0.87	0.85	0.86	0.88	0.88	0.87	0.83	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-22.81	-14.50	1.09	1.49	–	3.68	Fund Return %
-23.60	-17.69	-1.62	-0.37	0.68	7.51	Benchmark Return %
-25.26	-19.17	-3.34	-1.35	0.49	–	Category Average %
24	20	11	12	–	–	% Rank in Category
857	825	707	580	–	–	# of Funds in Category

Net Expense



17	13	Percentile
143/835	61/471	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	2.60	–	-1.35
Beta	0.94	–	0.97
R-Squared	95.52	–	91.31
Standard Deviation	16.67	17.36	17.72
Sharpe Ratio	0.04	-0.11	-0.18
Tracking Error	3.69	–	5.12
Information Ratio	0.73	–	-0.26
Up Capture Ratio	97.18	–	91.96
Down Capture Ratio	86.22	–	98.78

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.12	11.77	11.91
Price/Book Ratio	3.35	1.34	1.57
Geom Avg Mkt Cap $B	51.69	32.46	31.22
ROE	20.98	16.18	17.95

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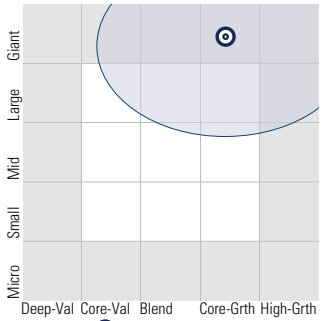
MORNINGSTAR

Invesco Oppenheimer Developing Mkts R6 ODVIX

Morningstar Category Diversified Emerging Mkts
Morningstar Index MSCI EM NR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

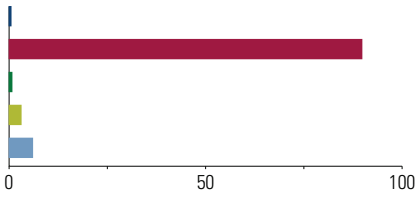
Equity

14	25	52	Large
1	0	7	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10

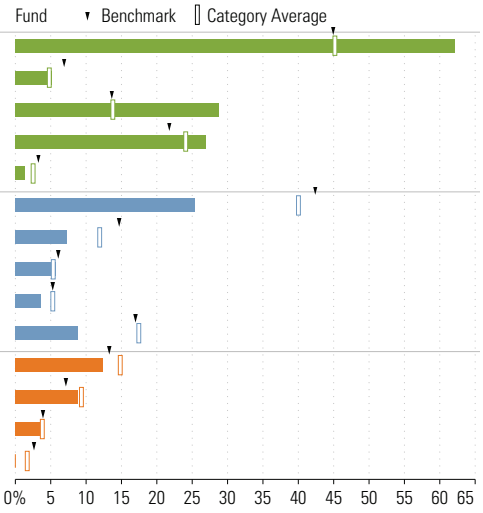
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	0.49	2.97
Non-US Stocks	89.76	94.45
Bonds	0.72	0.48
Cash	3.05	1.54
Other	5.98	0.56
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**62.18**	**44.73**	**45.17**
Basic Materials	5.21	6.69	4.80
Consumer Cyclical	28.73	13.43	13.78
Financial Services	26.91	21.56	24.08
Real Estate	1.33	3.05	2.51
Sensitive	**25.44**	**42.19**	**40.02**
Communication Services	7.34	14.47	11.92
Energy	5.66	5.86	5.36
Industrials	3.59	5.08	5.29
Technology	8.85	16.78	17.45
Defensive	**12.38**	**13.07**	**14.83**
Consumer Defensive	8.78	6.94	9.34
Healthcare	3.60	3.70	3.81
Utilities	0.00	2.43	1.68



World Regions % Equity 03-31-2020

	Fund %	Cat %
Greater Asia	59.19	71.09
Japan	0.00	0.10
Australasia	0.00	0.01
Asia-4 Tigers	17.30	23.83
Asia-ex 4 Tigers	41.89	47.15
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	18.25	14.36
North America	0.53	1.90
Central/Latin	17.72	12.46

	Fund %	Cat %
Greater Europe	22.56	14.55
United Kingdom	0.00	0.75
W euro-ex UK	9.44	1.66
Emrgng Europe	9.98	6.89
Africa	3.14	5.25

Market Maturity	Fund %
Developed Markets	27.27
Emerging Markets	72.73
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Alibaba Group Holding Ltd ADR	6.98	6.98	-8.31	Consumer Cyclical
⊕ Master China Series 1	5.95	12.93	–	–
⊕ Taiwan Semiconductor Manufacturing Co Ltd	5.13	18.06	-16.47	Technology
⊕ Kering SA	5.10	23.16	-18.08	Consumer Cyclical
⊕ Tencent Holdings Ltd	4.89	28.05	1.22	Communication Svc
⊕ Housing Development Finance Corp Ltd	4.55	32.61	-32.31	Financial Services
⊕ NOVATEK PJSC GDR	4.55	37.15	-43.00	Energy
⊕ AIA Group Ltd	3.51	40.66	-14.24	Financial Services
⊖ Kotak Mahindra Bank Ltd	2.84	43.50	-23.05	Financial Services
⊕ Usd Currency Cash	2.77	46.27	–	–

Total Holdings 92

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Portfolio Manager(s)

Eric Fischman since 04-2002
Paul Gordon since 07-2017

Quantitative Screens

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

Management: The fund's management has been in place for 18.01 years.

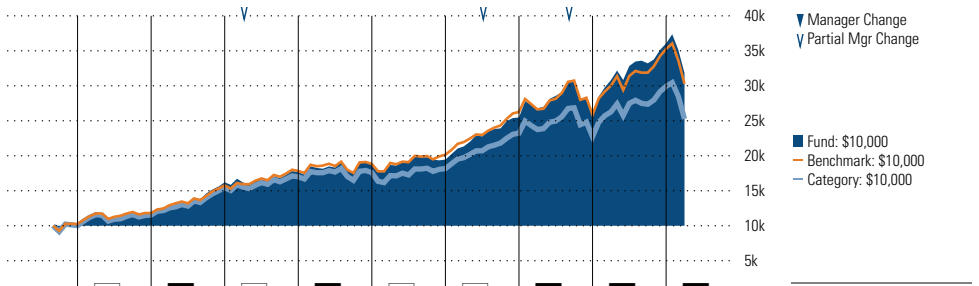
Style: The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.56 is 45.63% 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.

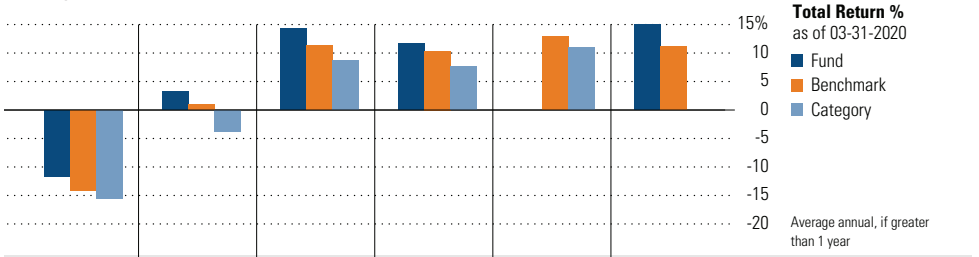
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	17.39	36.74	8.88	7.49	2.55	30.99	2.68	37.81	-11.75	Total Return %
–	2.13	3.26	-4.17	1.82	-4.53	0.78	4.19	1.42	2.35	+/- Benchmark
–	2.05	2.82	-1.12	3.89	-0.68	3.32	4.77	5.91	3.73	+/- Category
–	26	21	65	18	54	28	11	10	14	Tot Ret % Rank in Cat
–	903	980	1,033	1,081	1,163	1,212	1,297	1,340	1,390	# of Funds in Cat
80	50	32	33	35	24	21	18	11	–	Turnover %
–	–	0.71	0.64	0.62	0.61	0.59	0.57	0.56	–	Expense Ratio

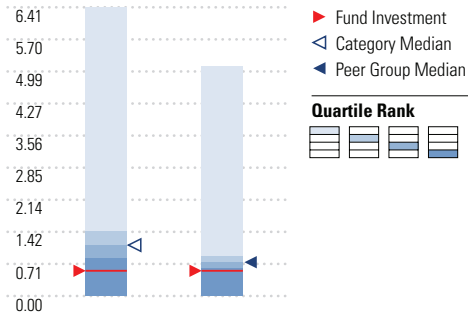
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-11.75	3.27	14.24	11.74	–	14.93	Fund Return %
-14.10	0.91	11.32	10.36	12.97	11.13	Benchmark Return %
-15.48	-3.72	8.65	7.64	10.99	–	Category Average %
14	6	7	7	–	–	% Rank in Category
1,390	1,359	1,241	1,096	–	–	# of Funds in Category

Net Expense



13	17	Percentile
176/1363	135/798	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	3.09	–	-2.20
Beta	0.95	–	1.00
R-Squared	95.91	–	92.89
Standard Deviation	15.01	15.40	16.06
Sharpe Ratio	0.85	0.66	0.50
Tracking Error	3.11	–	4.21
Information Ratio	0.94	–	-0.67
Up Capture Ratio	101.65	–	92.51
Down Capture Ratio	87.09	–	101.71

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	30.86	23.70	22.48
Price/Book Ratio	5.59	6.45	4.43
Geom Avg Mkt Cap $B	139.85	135.45	149.21
ROE	29.66	33.87	28.15

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MORNINGSTAR

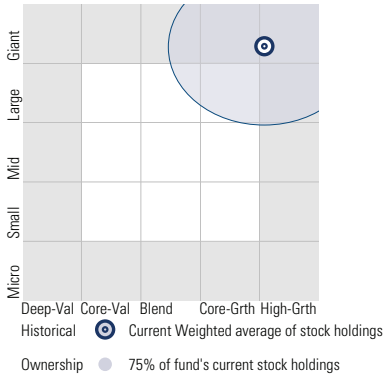
MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



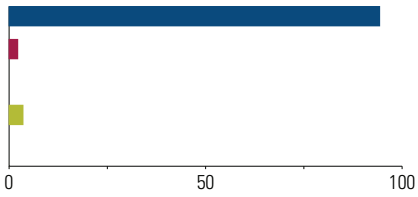
Style Breakdown

Equity

2	22	70	Large
1	0	4	Mid
0	0	0	Small
Value	Blend	Growth	

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

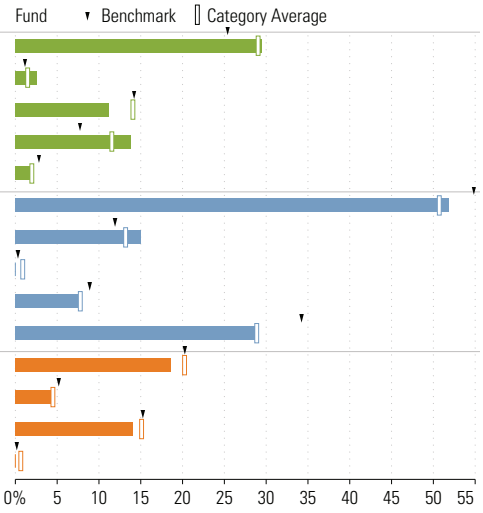
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	94.28	91.85
Non-US Stocks	2.19	6.08
Bonds	0.00	0.05
Cash	3.53	1.59
Other	0.00	0.43
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**29.54**	**25.22**	**29.04**
Basic Materials	2.56	0.98	1.47
Consumer Cyclical	11.13	14.03	14.06
Financial Services	13.86	7.56	11.54
Real Estate	1.99	2.65	1.97
Sensitive	**51.82**	**54.67**	**50.71**
Communication Services	14.99	11.75	13.19
Energy	0.00	0.14	0.88
Industrials	7.85	8.72	7.77
Technology	28.98	34.06	28.87
Defensive	**18.64**	**20.10**	**20.24**
Consumer Defensive	4.63	5.02	4.49
Healthcare	14.01	15.08	15.10
Utilities	0.00	0.00	0.65



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	9.55	9.55	0.33	Technology
⊕ Amazon.com Inc	6.89	16.44	5.51	Consumer Cyclical
⊖ Adobe Inc	4.51	20.95	-3.51	Technology
Visa Inc Class A	4.44	25.39	-14.09	Financial Services
Alphabet Inc A	3.98	29.37	-13.25	Communication Svc
Mastercard Inc A	3.73	33.10	-18.97	Financial Services
⊕ Currency Cash Cash_usd	3.53	36.63	–	–
Thermo Fisher Scientific Inc	2.47	39.09	-12.64	Healthcare
Fiserv Inc	2.32	41.41	-17.85	Technology
Netflix Inc	2.16	43.57	16.05	Communication Svc
Global Payments Inc	2.07	45.64	-20.89	Industrials
⊖ Facebook Inc A	2.07	47.71	-18.73	Communication Svc
Salesforce.com Inc	2.05	49.75	-11.47	Technology
Danaher Corp	1.97	51.73	-9.70	Healthcare
Fidelity National Information Services Inc	1.90	53.62	-12.29	Technology

Total Holdings 73

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Portfolio Manager(s)

Eric Fischman since 04-2002
Paul Gordon since 07-2017

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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 0.56 is 45.63% lower than the Large Growth category average.

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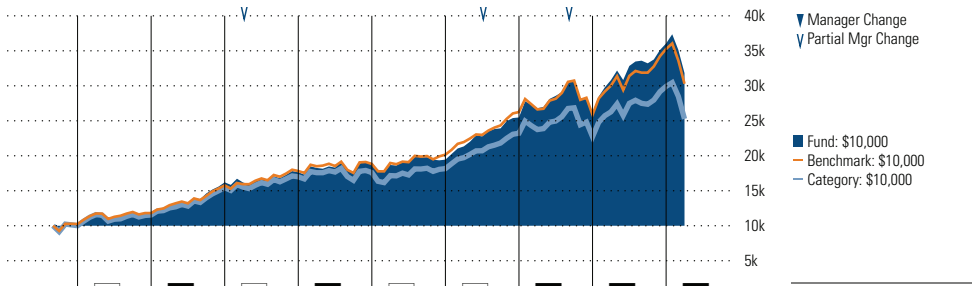
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

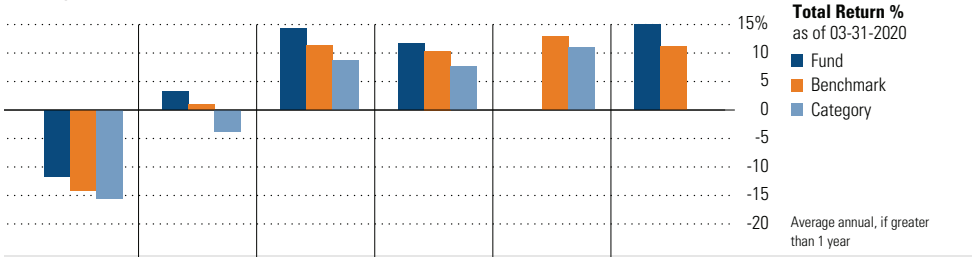
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	17.39	36.74	8.88	7.49	2.55	30.99	2.68	37.81	-11.75	Total Return %
–	2.13	3.26	-4.17	1.82	-4.53	0.78	4.19	1.42	2.35	+/- Benchmark
–	2.05	2.82	-1.12	3.89	-0.68	3.32	4.77	5.91	3.73	+/- Category
–	26	21	65	18	54	28	11	10	14	Tot Ret % Rank in Cat
–	903	980	1,033	1,081	1,163	1,212	1,297	1,340	1,390	# of Funds in Cat
80	50	32	33	35	24	21	18	11	–	Turnover %
–	–	0.71	0.64	0.62	0.61	0.59	0.57	0.56	–	Expense Ratio

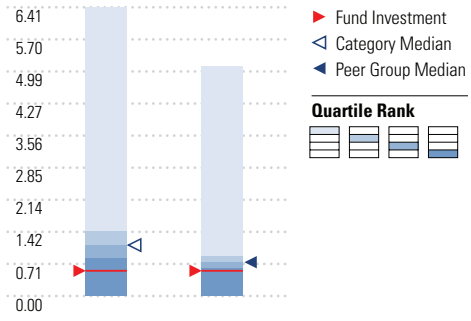
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-11.75	3.27	14.24	11.74	–	14.93	Fund Return %
-14.10	0.91	11.32	10.36	12.97	11.13	Benchmark Return %
-15.48	-3.72	8.65	7.64	10.99	–	Category Average %
14	6	7	7	–	–	% Rank in Category
1,390	1,359	1,241	1,096	–	–	# of Funds in Category

Net Expense



13	17	Percentile
176/1363	135/798	Rank

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3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	3.09	–	-2.20
Beta	0.95	–	1.00
R-Squared	95.91	–	92.89
Standard Deviation	15.01	15.40	16.06
Sharpe Ratio	0.85	0.66	0.50
Tracking Error	3.11	–	4.21
Information Ratio	0.94	–	-0.67
Up Capture Ratio	101.65	–	92.51
Down Capture Ratio	87.09	–	101.71

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	30.86	23.70	22.48
Price/Book Ratio	5.59	6.45	4.43
Geom Avg Mkt Cap $B	139.85	135.45	149.21
ROE	29.66	33.87	28.15

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MORNINGSTAR

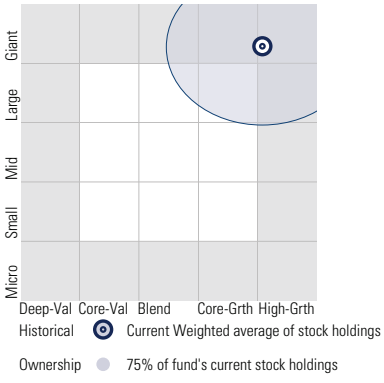
MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



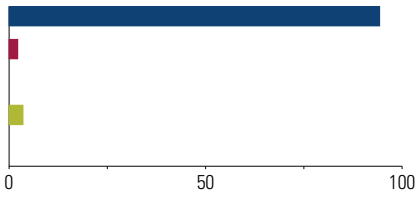
Style Breakdown

Equity

2	22	70	Large
1	0	4	Mid
0	0	0	Small
Value	Blend	Growth	

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

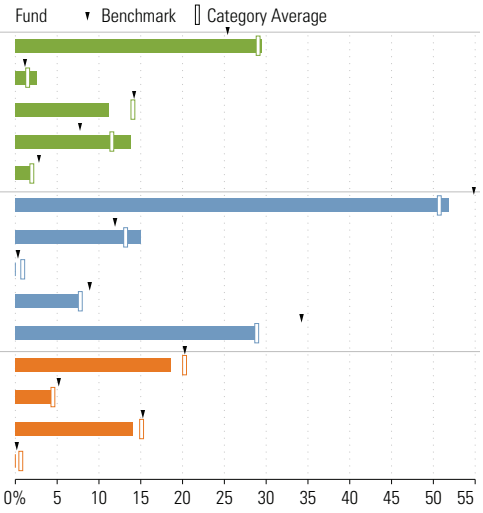
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	94.28	91.85
Non-US Stocks	2.19	6.08
Bonds	0.00	0.05
Cash	3.53	1.59
Other	0.00	0.43
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**29.54**	**25.22**	**29.04**
Basic Materials	2.56	0.98	1.47
Consumer Cyclical	11.13	14.03	14.06
Financial Services	13.86	7.56	11.54
Real Estate	1.99	2.65	1.97
Sensitive	**51.82**	**54.67**	**50.71**
Communication Services	14.99	11.75	13.19
Energy	0.00	0.14	0.88
Industrials	7.85	8.72	7.77
Technology	28.98	34.06	28.87
Defensive	**18.64**	**20.10**	**20.24**
Consumer Defensive	4.63	5.02	4.49
Healthcare	14.01	15.08	15.10
Utilities	0.00	0.00	0.65



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	9.55	9.55	0.33	Technology
⊕ Amazon.com Inc	6.89	16.44	5.51	Consumer Cyclical
⊖ Adobe Inc	4.51	20.95	-3.51	Technology
Visa Inc Class A	4.44	25.39	-14.09	Financial Services
Alphabet Inc A	3.98	29.37	-13.25	Communication Svc
Mastercard Inc A	3.73	33.10	-18.97	Financial Services
⊕ Currency Cash Cash_usd	3.53	36.63	–	–
Thermo Fisher Scientific Inc	2.47	39.09	-12.64	Healthcare
Fiserv Inc	2.32	41.41	-17.85	Technology
Netflix Inc	2.16	43.57	16.05	Communication Svc
Global Payments Inc	2.07	45.64	-20.89	Industrials
⊖ Facebook Inc A	2.07	47.71	-18.73	Communication Svc
Salesforce.com Inc	2.05	49.75	-11.47	Technology
Danaher Corp	1.97	51.73	-9.70	Healthcare
Fidelity National Information Services Inc	1.90	53.62	-12.29	Technology

Total Holdings 73

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

PGIM Jennison Small Company R6 PJSQX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Portfolio Manager(s)

Jason Swiatek since 11-2013

Jonathan Shapiro since 07-2018

Quantitative Screens

✓ *Performance:* The fund has finished in the Small Growth category's top three quartiles in 7 of the 9 years it's been in existence.

✓ *Management:* The fund's management has been in place for 6.35 years.

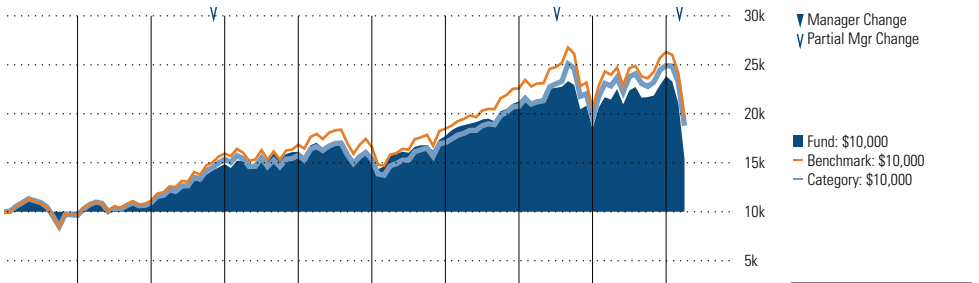
× *Style:* The fund has landed in its primary style box — Small Growth — 28.57 % of the time over the past three years.

✓ *Net Expense:* The fund's expense ratio of 0.69 is 43.44% lower than the Small Growth category average.

Morningstar Investment Management LLC Analysis

This fund fails our style screen due to edging up into mid-cap territory but its portfolio positioning is consistent with the overall investment strategy.

Growth of $10,000



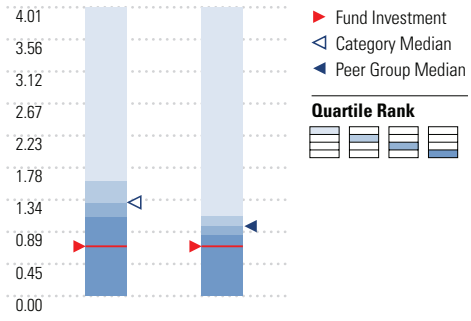
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-3.03	13.84	34.74	8.36	-3.30	13.65	20.03	-13.07	28.99	-35.47	Total Return %
-0.12	-0.75	-8.56	2.76	-1.92	2.33	-2.14	-3.76	0.51	-9.71	+/- Benchmark
0.52	0.69	-6.17	5.92	-0.89	2.45	-1.47	-7.31	1.31	-10.88	+/- Category
47	46	82	6	62	29	56	90	38	99	Tot Ret % Rank in Cat
400	421	454	476	503	538	566	614	633	654	# of Funds in Cat
44	47	50	41	52	37	41	43	30	–	Turnover %
–	–	0.70	0.69	0.69	0.69	0.68	0.68	0.69	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-35.47	-28.30	-6.55	-2.04	–	5.41	Fund Return %
-25.76	-18.58	0.10	1.70	8.89	9.00	Benchmark Return %
-24.59	-17.66	1.69	2.77	8.81	–	Category Average %
99	93	92	91	–	–	% Rank in Category
654	635	577	503	–	–	# of Funds in Category

Net Expense



7	10	Percentile
45/643	39/397	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	-6.39	–	2.11
Beta	1.06	–	0.96
R-Squared	92.95	–	93.17
Standard Deviation	22.74	20.74	20.65
Sharpe Ratio	-0.25	0.03	0.13
Tracking Error	6.15	–	5.29
Information Ratio	-1.08	–	0.34
Up Capture Ratio	85.20	–	98.97
Down Capture Ratio	111.96	–	91.22

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.91	18.45	18.68
Price/Book Ratio	1.51	3.00	2.73
Geom Avg Mkt Cap $B	3.25	1.84	3.23
ROE	11.79	2.48	7.82

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MORNINGSTAR

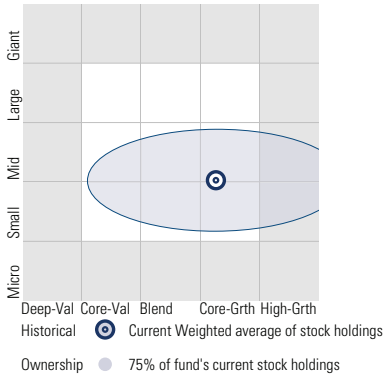
PGIM Jennison Small Company R6 PJSQX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



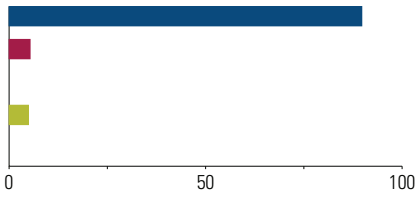
Style Breakdown

Equity

0	2	0	Large
4	16	25	Mid
11	24	17	Small
Value	Blend	Growth	

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

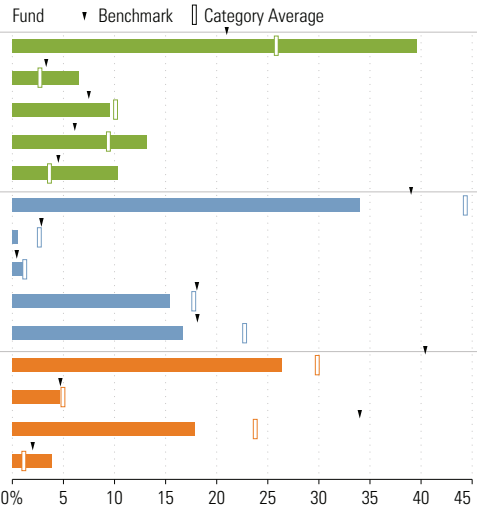
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	89.74	93.70
Non-US Stocks	5.34	3.38
Bonds	0.00	0.00
Cash	4.92	2.60
Other	0.00	0.32
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**39.55**	**20.84**	**25.83**
Basic Materials	6.53	3.17	2.70
Consumer Cyclical	9.59	7.34	10.10
Financial Services	13.15	5.97	9.40
Real Estate	10.28	4.36	3.63
Sensitive	**34.03**	**38.88**	**44.33**
Communication Services	0.50	2.70	2.64
Energy	1.39	0.29	1.21
Industrials	15.45	17.92	17.75
Technology	16.69	17.97	22.73
Defensive	**26.42**	**40.27**	**29.84**
Consumer Defensive	4.67	4.56	4.95
Healthcare	17.85	33.86	23.77
Utilities	3.90	1.85	1.12



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Pgim Core Ultra Short Bond Fund	5.13	5.13	–	–
⊖ Pinnacle Financial Partners Inc	2.40	7.53	-41.09	Financial Services
Summit Materials Inc A	2.38	9.92	-37.24	Basic Materials
⊖ CDW Corp	2.32	12.24	-34.44	Technology
⊖ HubSpot Inc	2.26	14.50	-15.97	Technology
⊖ Saia Inc	2.16	16.66	-21.03	Industrials
NextEra Energy Partners LP	2.10	18.76	-17.31	Utilities
BankUnited Inc	2.02	20.78	-48.28	Financial Services
Horizon Therapeutics PLC	1.94	22.73	-18.18	Healthcare
Gaming and Leisure Properties Inc	1.93	24.66	-34.01	Real Estate
Rexnord Corp	1.88	26.54	-30.26	Industrials
Performance Food Group Co	1.72	28.26	-51.98	Consumer Defensive
Quanta Services Inc	1.67	29.94	-22.06	Industrials
Vail Resorts Inc	1.57	31.51	-37.68	Consumer Cyclical
Mobile Mini Inc	1.57	33.08	-30.01	Industrials

Total Holdings 123

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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PGIM Jennison Small Company R6 PJSQX

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Small Growth

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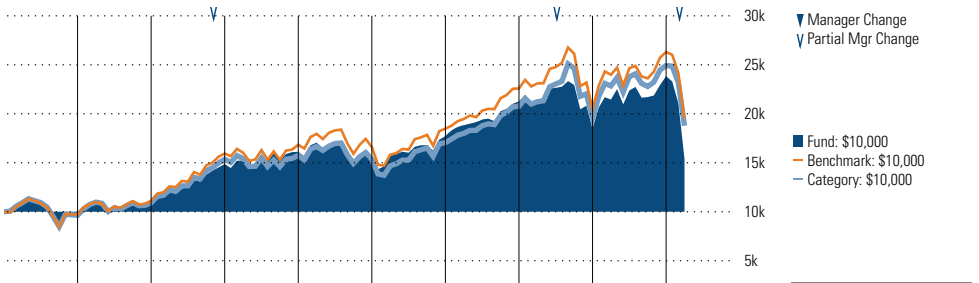

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47	46	82	6	62	29	56	90	38	99	Tot Ret % Rank in Cat
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44	47	50	41	52	37	41	43	30	–	Turnover %
–	–	0.70	0.69	0.69	0.69	0.68	0.68	0.69	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
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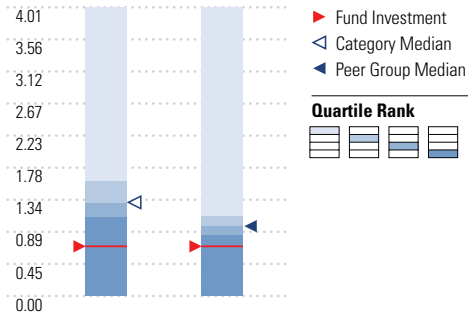
654	635	577	503	–	–	# of Funds in Category

Net Expense



7	10	Percentile
45/643	39/397	Rank

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	Fund	Bmark	Cat
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MORNINGSTAR

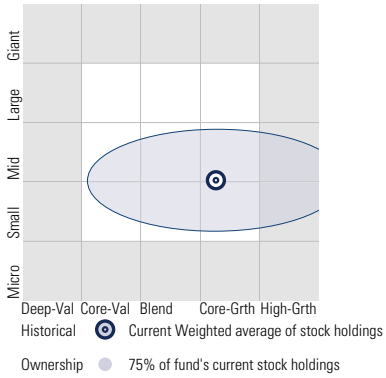
PGIM Jennison Small Company R6 PJSQX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



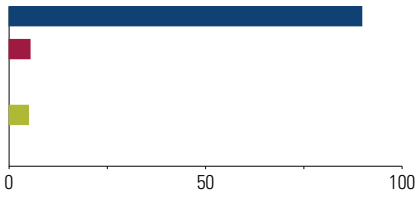
Style Breakdown

Equity

0	2	0	Large
4	16	25	Mid
11	24	17	Small
Value	Blend	Growth	

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

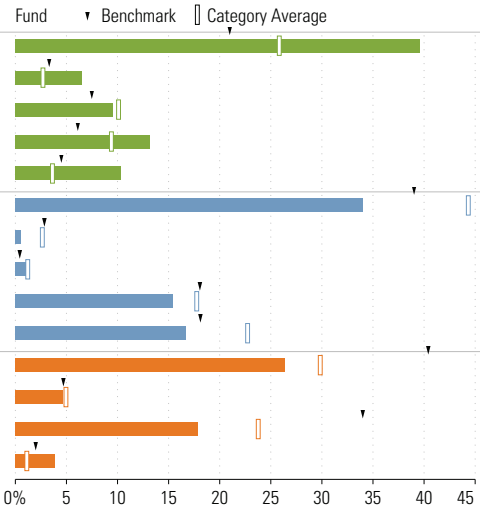
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	89.74	93.70
Non-US Stocks	5.34	3.38
Bonds	0.00	0.00
Cash	4.92	2.60
Other	0.00	0.32
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**39.55**	**20.84**	**25.83**
Basic Materials	6.53	3.17	2.70
Consumer Cyclical	9.59	7.34	10.10
Financial Services	13.15	5.97	9.40
Real Estate	10.28	4.36	3.63
Sensitive	**34.03**	**38.88**	**44.33**
Communication Services	0.50	2.70	2.64
Energy	1.39	0.29	1.21
Industrials	15.45	17.92	17.75
Technology	16.69	17.97	22.73
Defensive	**26.42**	**40.27**	**29.84**
Consumer Defensive	4.67	4.56	4.95
Healthcare	17.85	33.86	23.77
Utilities	3.90	1.85	1.12



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Pgim Core Ultra Short Bond Fund	5.13	5.13	–	–
⊖ Pinnacle Financial Partners Inc	2.40	7.53	-41.09	Financial Services
Summit Materials Inc A	2.38	9.92	-37.24	Basic Materials
⊖ CDW Corp	2.32	12.24	-34.44	Technology
⊖ HubSpot Inc	2.26	14.50	-15.97	Technology
⊖ Saia Inc	2.16	16.66	-21.03	Industrials
NextEra Energy Partners LP	2.10	18.76	-17.31	Utilities
BankUnited Inc	2.02	20.78	-48.28	Financial Services
Horizon Therapeutics PLC	1.94	22.73	-18.18	Healthcare
Gaming and Leisure Properties Inc	1.93	24.66	-34.01	Real Estate
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Performance Food Group Co	1.72	28.26	-51.98	Consumer Defensive
Quanta Services Inc	1.67	29.94	-22.06	Industrials
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Mobile Mini Inc	1.57	33.08	-30.01	Industrials

Total Holdings 123

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MORNINGSTAR

PIMCO Income Instl PIMIX

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 13.01 years.

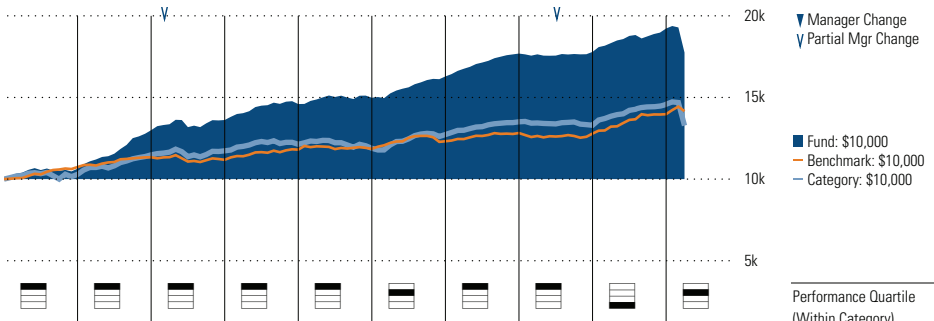
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 1.05 is 1.87% 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



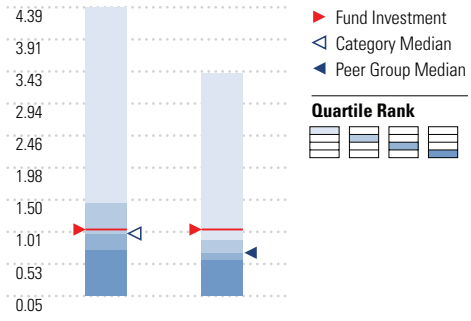
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
6.37	22.17	4.80	7.18	2.64	8.72	8.60	0.58	8.05	-7.66	Total Return %
-1.03	16.64	6.15	1.62	2.21	4.81	4.51	0.83	-1.24	-8.96	+/- Benchmark
3.00	10.46	2.93	3.55	4.82	1.20	2.53	2.10	-1.75	1.29	+/- Category
6	1	18	6	3	31	10	18	78	39	Tot Ret % Rank in Cat
136	157	178	190	226	259	270	294	307	335	# of Funds in Cat
181	311	226	251	164	52	190	211	472	–	Turnover %
–	–	0.44	0.45	0.45	0.45	0.45	0.95	1.05	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-7.66	-3.16	1.94	3.59	7.34	7.42	Fund Return %
1.30	7.15	4.37	3.35	4.05	6.17	Benchmark Return %
-8.95	-4.16	0.53	1.66	3.73	–	Category Average %
39	42	18	5	1	–	% Rank in Category
335	316	274	229	128	–	# of Funds in Category

Net Expense



	Fund vs. Category	Fund vs. Peer Group	
	60	88	Percentile
	196/323	164/187	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	-1.38	–	-4.35
Beta	0.79	–	1.16
R-Squared	23.02	–	31.25
Standard Deviation	5.20	3.15	6.96
Sharpe Ratio	0.06	0.84	-0.11
Tracking Error	4.61	–	5.94
Information Ratio	-0.53	–	-0.67
Up Capture Ratio	63.46	–	67.01
Down Capture Ratio	97.89	–	173.96

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.91	4.55	4.46
Avg Eff Maturity	2.59	7.69	7.31

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Morningstar Category
Multisector Bond

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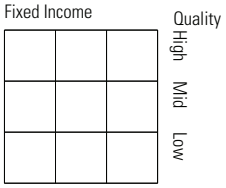
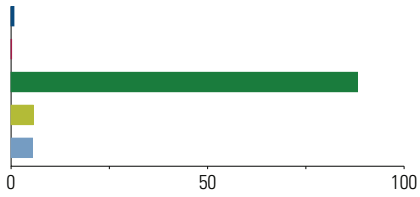
Style Analysis as of 03-31-2020

Style Breakdown

Fixed Income



Asset Allocation as of 03-31-2020

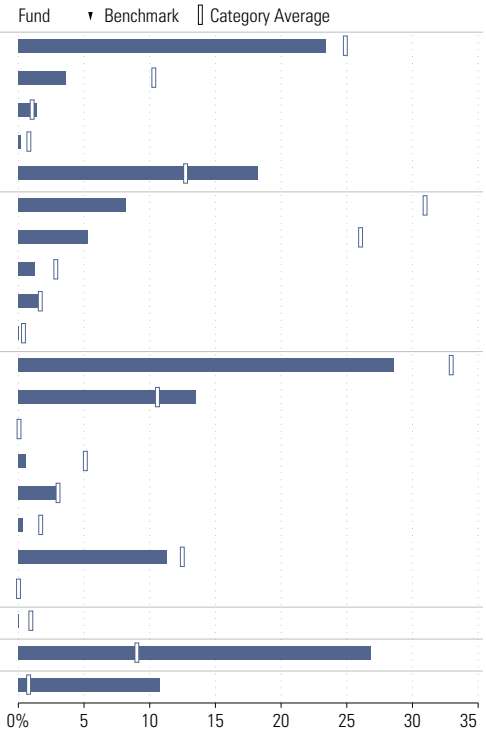


Asset Class	Net %	Cat%
US Stocks	0.71	1.28
Non-US Stocks	0.12	0.53
Bonds	88.14	101.85
Cash	5.60	-4.75
Other	5.43	1.10
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	56.00	67.64	22.70
AA	7.00	3.23	7.45
A	4.00	10.03	10.93
BBB	14.00	10.89	22.04
BB	6.00	3.19	19.28
B	7.00	3.64	11.34
Below B	6.00	1.38	3.07
Not Rated	0.00	0.00	3.19

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**23.42**	**–**	**24.89**
Treasury	3.60	–	10.31
Inflation – Protected	1.40	–	1.05
Agency/Quasi Agency	0.20	–	0.80
Other Government Related	18.22	–	12.73
Corporate	**8.21**	**–**	**30.96**
Corporate Bond	5.27	–	26.05
Bank Loan	1.23	–	2.85
Convertible	1.70	–	1.67
Preferred	0.01	–	0.39
Securitized	**28.56**	**–**	**32.95**
Agency MBS Pass-Through	13.50	–	10.59
Agency MBS ARM	0.00	–	0.05
Agency MBS CMO	0.60	–	5.10
Non-Agency Residential MBS	2.86	–	3.02
Commercial MBS	0.31	–	1.70
Asset-Backed	11.28	–	12.48
Covered Bond	0.01	–	0.01
Municipal	**0.06**	**–**	**0.95**
Cash & Equivalents	**26.87**	**–**	**9.02**
Other	**10.76**	**–**	**0.78**



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Irs Usd 3.00000 06/19/19-5y Cme	06-2024	13.62	13.62	–
Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	13.31	26.93	–
⊕ Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	12.91	39.84	–
⊕ Irs Usd 3.00000 06/19/19-5y Cme	06-2024	12.90	52.74	–
Irs Eur 0.00000 08/19/19-2y Lch	08-2021	12.27	65.02	–
⊕ Irs Eur 0.00000 08/19/19-2y Lch	08-2021	12.21	77.23	–
⊕ Offset: Unsettled Trades	–	11.19	88.41	–
⊕ 5 Year Treasury Note Future Mar 20	03-2020	9.59	98.00	–
⊕ Federal National Mortgage Association 3%	02-2050	7.98	105.98	–
Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub	07-2022	7.50	113.48	–

Total Holdings 7373

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

PIMCO Income Instl PIMIX

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 13.01 years.

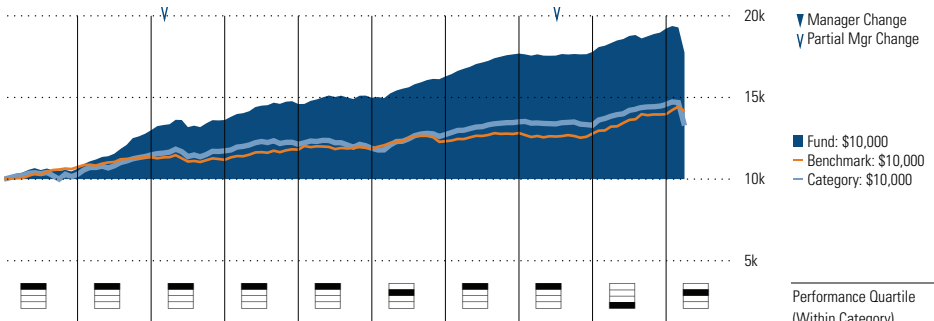
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 1.05 is 1.87% 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



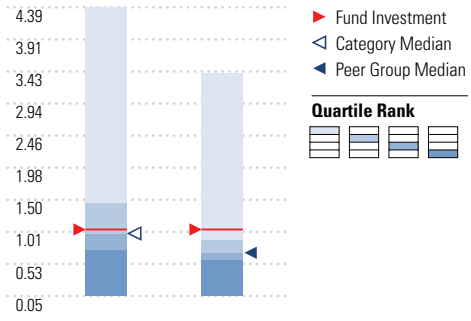
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
6.37	22.17	4.80	7.18	2.64	8.72	8.60	0.58	8.05	-7.66	Total Return %
-1.03	16.64	6.15	1.62	2.21	4.81	4.51	0.83	-1.24	-8.96	+/- Benchmark
3.00	10.46	2.93	3.55	4.82	1.20	2.53	2.10	-1.75	1.29	+/- Category
6	1	18	6	3	31	10	18	78	39	Tot Ret % Rank in Cat
136	157	178	190	226	259	270	294	307	335	# of Funds in Cat
181	311	226	251	164	52	190	211	472	–	Turnover %
–	–	0.44	0.45	0.45	0.45	0.45	0.95	1.05	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-7.66	-3.16	1.94	3.59	7.34	7.42	Fund Return %
1.30	7.15	4.37	3.35	4.05	6.17	Benchmark Return %
-8.95	-4.16	0.53	1.66	3.73	–	Category Average %
39	42	18	5	1	–	% Rank in Category
335	316	274	229	128	–	# of Funds in Category

Net Expense



	Fund vs. Category	Fund vs. Peer Group	
	60	88	Percentile
	196/323	164/187	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	-1.38	–	-4.35
Beta	0.79	–	1.16
R-Squared	23.02	–	31.25
Standard Deviation	5.20	3.15	6.96
Sharpe Ratio	0.06	0.84	-0.11
Tracking Error	4.61	–	5.94
Information Ratio	-0.53	–	-0.67
Up Capture Ratio	63.46	–	67.01
Down Capture Ratio	97.89	–	173.96

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.91	4.55	4.46
Avg Eff Maturity	2.59	7.69	7.31

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MORNINGSTAR

PIMCO Income Instl PIMIX

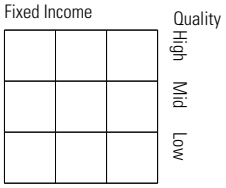
Morningstar Category
Multisector Bond

Morningstar Index
BBgBarc US Universal TR USD

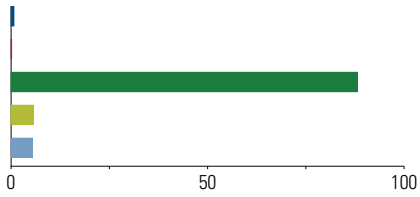
Style Analysis as of 03-31-2020

Style Breakdown

Fixed Income



Asset Allocation as of 03-31-2020

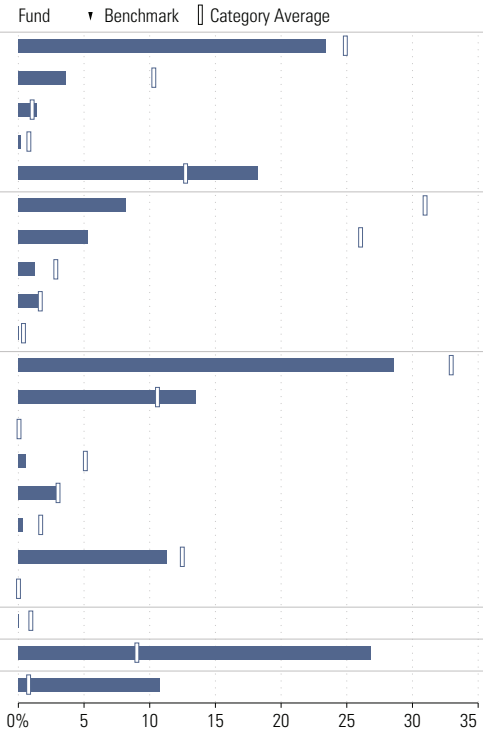


Asset Class	Net %	Cat%
US Stocks	0.71	1.28
Non-US Stocks	0.12	0.53
Bonds	88.14	101.85
Cash	5.60	-4.75
Other	5.43	1.10
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	56.00	67.64	22.70
AA	7.00	3.23	7.45
A	4.00	10.03	10.93
BBB	14.00	10.89	22.04
BB	6.00	3.19	19.28
B	7.00	3.64	11.34
Below B	6.00	1.38	3.07
Not Rated	0.00	0.00	3.19

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**23.42**	**–**	**24.89**
Treasury	3.60	–	10.31
Inflation – Protected	1.40	–	1.05
Agency/Quasi Agency	0.20	–	0.80
Other Government Related	18.22	–	12.73
Corporate	**8.21**	**–**	**30.96**
Corporate Bond	5.27	–	26.05
Bank Loan	1.23	–	2.85
Convertible	1.70	–	1.67
Preferred	0.01	–	0.39
Securitized	**28.56**	**–**	**32.95**
Agency MBS Pass-Through	13.50	–	10.59
Agency MBS ARM	0.00	–	0.05
Agency MBS CMO	0.60	–	5.10
Non-Agency Residential MBS	2.86	–	3.02
Commercial MBS	0.31	–	1.70
Asset-Backed	11.28	–	12.48
Covered Bond	0.01	–	0.01
Municipal	**0.06**	**–**	**0.95**
Cash & Equivalents	**26.87**	**–**	**9.02**
Other	**10.76**	**–**	**0.78**



Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
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⊕ Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	12.91	39.84	–
⊕ Irs Usd 3.00000 06/19/19-5y Cme	06-2024	12.90	52.74	–
Irs Eur 0.00000 08/19/19-2y Lch	08-2021	12.27	65.02	–
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⊕ Federal National Mortgage Association 3%	02-2050	7.98	105.98	–
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Total Holdings 7373

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MORNINGSTAR

Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

Donald Butler since 04-2016
Michelle Louie since 11-2017

Quantitative Screens

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

Management: The fund's management has been in place for 3.93 years.

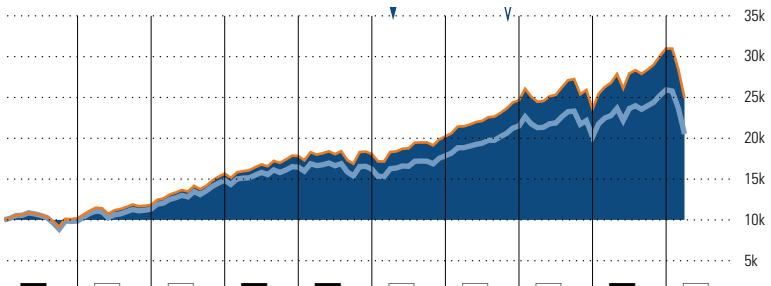
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.04 is 95.4% lower than the Large Blend category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



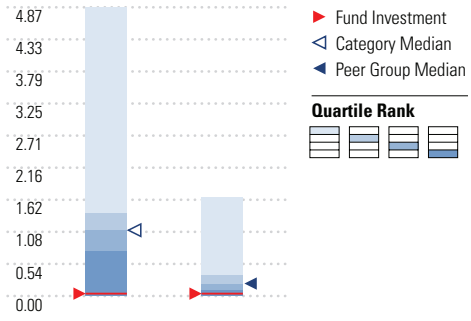
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
2.08	15.96	32.33	13.64	1.36	11.93	21.79	-4.43	31.46	-19.61	Total Return %
-0.03	-0.04	-0.06	-0.05	-0.02	-0.03	-0.04	-0.05	-0.03	-0.01	+/- Benchmark
3.35	1.00	0.83	2.68	2.43	1.56	1.35	1.84	2.68	1.31	+/- Category
17	35	42	18	20	27	29	27	24	34	Tot Ret % Rank in Cat
844	880	929	988	1,044	1,118	1,189	1,297	1,369	1,446	# of Funds in Cat
4	3	3	3	3	4	3	4	4	–	Turnover %
–	–	0.05	0.05	0.05	0.04	0.04	0.04	0.04	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.61	-7.01	5.07	6.69	10.49	5.45	Fund Return %
-19.60	-6.98	5.10	6.73	10.53	10.25	Benchmark Return %
-20.92	-9.97	2.80	4.46	8.84	–	Category Average %
34	26	20	12	7	–	% Rank in Category
1,446	1,377	1,220	1,054	806	–	# of Funds in Category

Net Expense



3	12	Percentile
37/1404	38/317	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	-0.04	–	-2.23
Beta	1.00	–	0.99
R-Squared	100.00	–	94.99
Standard Deviation	15.22	15.21	15.38
Sharpe Ratio	0.29	0.29	0.14
Tracking Error	0.01	–	3.28
Information Ratio	-3.83	–	-1.19
Up Capture Ratio	99.88	–	90.76
Down Capture Ratio	100.06	–	101.53

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.91	17.90	16.40
Price/Book Ratio	2.68	2.67	2.71
Geom Avg Mkt Cap $B	111.73	111.51	146.57
ROE	27.23	27.15	28.57

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MORNINGSTAR

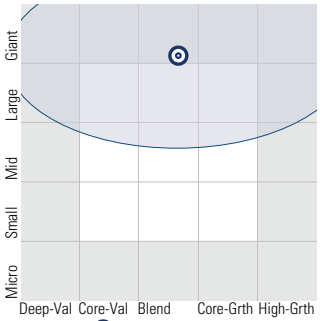
Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

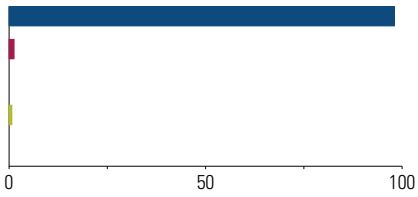
Equity

28	31	28	Large
5	4	2	Mid
0	0	0	Small
Value	Blend	Growth	

Weight %

>50 25-50 10-25 0-10

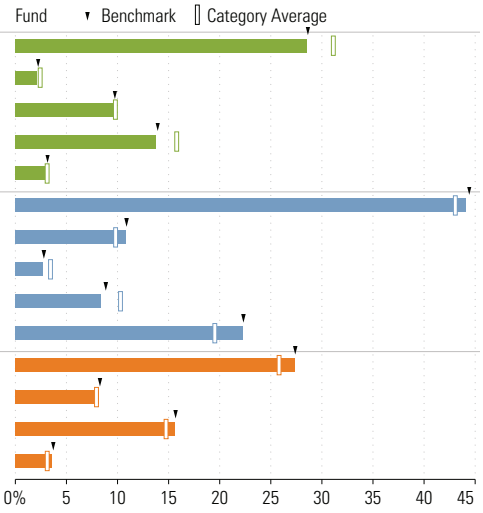
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	98.04	94.75
Non-US Stocks	1.26	2.90
Bonds	0.00	2.83
Cash	0.70	-1.34
Other	0.00	0.86
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**28.52**	**28.49**	**31.12**
Basic Materials	2.08	2.09	2.43
Consumer Cyclical	9.66	9.60	9.79
Financial Services	13.77	13.79	15.79
Real Estate	3.01	3.01	3.11
Sensitive	**44.10**	**44.28**	**43.06**
Communication Services	10.79	10.74	9.81
Energy	2.66	2.65	3.44
Industrials	8.36	8.71	10.29
Technology	22.29	22.18	19.52
Defensive	**27.38**	**27.25**	**25.81**
Consumer Defensive	8.17	8.14	7.94
Healthcare	15.62	15.54	14.75
Utilities	3.59	3.57	3.12



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	5.58	5.58	0.33	Technology
⊕ Apple Inc	4.93	10.51	-13.14	Technology
⊕ Amazon.com Inc	3.77	14.28	5.51	Consumer Cyclical
⊕ Facebook Inc A	1.86	16.14	-18.73	Communication Svc
⊕ Berkshire Hathaway Inc B	1.62	17.76	-19.28	Financial Services
⊕ Alphabet Inc Class C	1.62	19.37	-13.03	Communication Svc
⊕ Alphabet Inc A	1.61	20.99	-13.25	Communication Svc
⊕ Johnson & Johnson	1.60	22.59	-9.45	Healthcare
⊕ Visa Inc Class A	1.28	23.87	-14.09	Financial Services
⊕ Procter & Gamble Co	1.27	25.14	-11.33	Consumer Defensive
⊖ JPMorgan Chase & Co	1.24	26.38	-34.77	Financial Services
⊕ UnitedHealth Group Inc	1.10	27.48	-14.80	Healthcare
⊕ Intel Corp	1.09	28.57	-9.02	Technology
⊕ Verizon Communications Inc	1.03	29.60	-11.49	Communication Svc
⊕ Mastercard Inc A	1.00	30.60	-18.97	Financial Services

Total Holdings 514

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

Donald Butler since 04-2016
Michelle Louie since 11-2017

Quantitative Screens

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

Management: The fund's management has been in place for 3.93 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 95.4% lower than the Large Blend category average.

Morningstar Investment Management LLC Analysis

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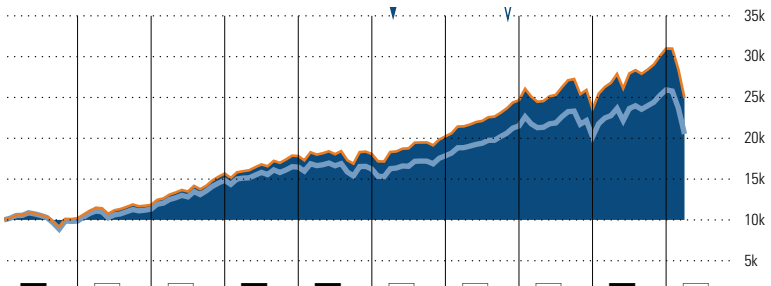
Growth of $10,000



Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
2.08	15.96	32.33	13.64	1.36	11.93	21.79	-4.43	31.46	-19.61	Total Return %
-0.03	-0.04	-0.06	-0.05	-0.02	-0.03	-0.04	-0.05	-0.03	-0.01	+/- Benchmark
3.35	1.00	0.83	2.68	2.43	1.56	1.35	1.84	2.68	1.31	+/- Category
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844	880	929	988	1,044	1,118	1,189	1,297	1,369	1,446	# of Funds in Cat
4	3	3	3	3	4	3	4	4	–	Turnover %
–	–	0.05	0.05	0.05	0.04	0.04	0.04	0.04	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.61	-7.01	5.07	6.69	10.49	5.45	Fund Return %
-19.60	-6.98	5.10	6.73	10.53	10.25	Benchmark Return %
-20.92	-9.97	2.80	4.46	8.84	–	Category Average %
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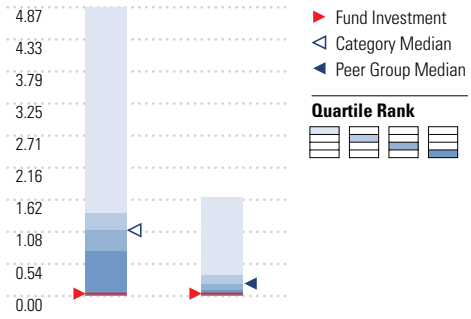

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Information Ratio	-3.83	–	-1.19
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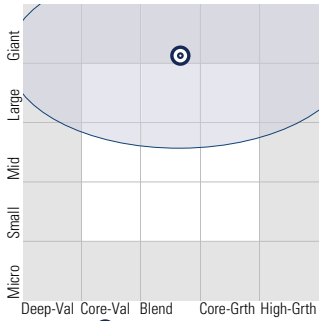
Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

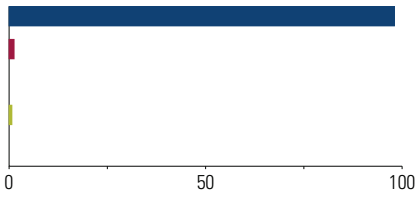
Style Breakdown

Equity

28	31	28	Large
5	4	2	Mid
0	0	0	Small
Value	Blend	Growth	

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

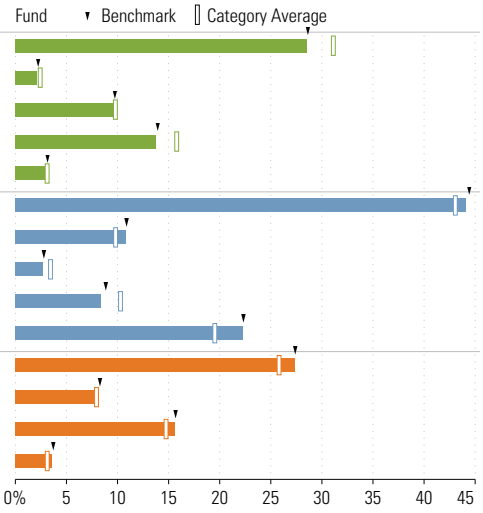
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	98.04	94.75
Non-US Stocks	1.26	2.90
Bonds	0.00	2.83
Cash	0.70	-1.34
Other	0.00	0.86
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**28.52**	**28.49**	**31.12**
Basic Materials	2.08	2.09	2.43
Consumer Cyclical	9.66	9.60	9.79
Financial Services	13.77	13.79	15.79
Real Estate	3.01	3.01	3.11
Sensitive	**44.10**	**44.28**	**43.06**
Communication Services	10.79	10.74	9.81
Energy	2.66	2.65	3.44
Industrials	8.36	8.71	10.29
Technology	22.29	22.18	19.52
Defensive	**27.38**	**27.25**	**25.81**
Consumer Defensive	8.17	8.14	7.94
Healthcare	15.62	15.54	14.75
Utilities	3.59	3.57	3.12



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	5.58	5.58	0.33	Technology
⊕ Apple Inc	4.93	10.51	-13.14	Technology
⊕ Amazon.com Inc	3.77	14.28	5.51	Consumer Cyclical
⊕ Facebook Inc A	1.86	16.14	-18.73	Communication Svc
⊕ Berkshire Hathaway Inc B	1.62	17.76	-19.28	Financial Services
⊕ Alphabet Inc Class C	1.62	19.37	-13.03	Communication Svc
⊕ Alphabet Inc A	1.61	20.99	-13.25	Communication Svc
⊕ Johnson & Johnson	1.60	22.59	-9.45	Healthcare
⊕ Visa Inc Class A	1.28	23.87	-14.09	Financial Services
⊕ Procter & Gamble Co	1.27	25.14	-11.33	Consumer Defensive
⊖ JPMorgan Chase & Co	1.24	26.38	-34.77	Financial Services
⊕ UnitedHealth Group Inc	1.10	27.48	-14.80	Healthcare
⊕ Intel Corp	1.09	28.57	-9.02	Technology
⊕ Verizon Communications Inc	1.03	29.60	-11.49	Communication Svc
⊕ Mastercard Inc A	1.00	30.60	-18.97	Financial Services

Total Holdings 514

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

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 7.11 years.

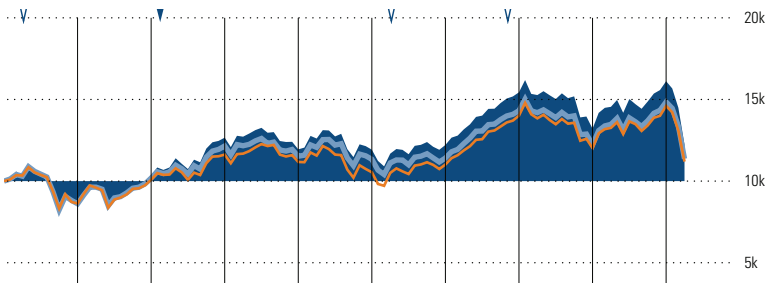
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.07 is 92.71% 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.

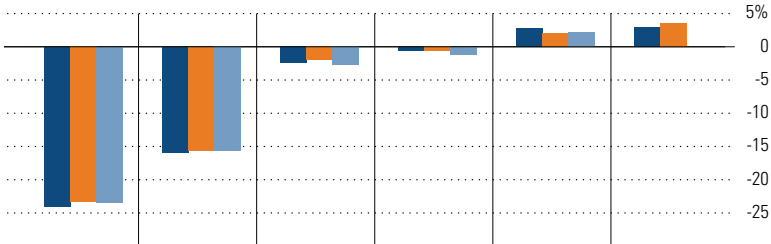
Growth of $10,000



Performance Quartile (Within Category)

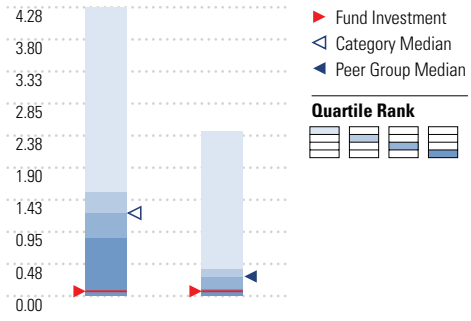
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-12.51	18.56	22.06	-5.66	-0.18	2.45	26.40	-14.46	22.05	-24.07	Total Return %
1.20	1.73	6.77	-1.79	5.48	-2.05	-0.79	-0.26	0.54	-0.71	+/- Benchmark
1.46	0.27	2.62	-0.68	1.41	1.66	1.28	0.13	0.46	-0.68	+/- Category
30	42	24	54	36	29	35	51	42	64	Tot Ret % Rank in Cat
393	416	446	458	497	583	631	680	734	792	# of Funds in Cat
5	7	13	4	3	11	3	3	2	–	Turnover %
–	–	0.09	0.09	0.09	0.07	0.07	0.07	0.07	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.07	-15.87	-2.41	-0.59	2.74	2.89	Fund Return %
-23.36	-15.57	-1.96	-0.64	2.05	3.61	Benchmark Return %
-23.39	-15.67	-2.74	-1.14	2.15	–	Category Average %
64	57	52	32	25	–	% Rank in Category
792	747	642	506	374	–	# of Funds in Category

Net Expense



4	17	Percentile
28/771	26/157	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	-0.42	–	-0.76
Beta	1.00	–	1.00
R-Squared	98.45	–	95.29
Standard Deviation	15.33	15.15	15.44
Sharpe Ratio	-0.20	-0.17	-0.21
Tracking Error	1.91	–	3.43
Information Ratio	-0.24	–	-0.24
Up Capture Ratio	97.03	–	95.05
Down Capture Ratio	99.57	–	99.51

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.17	13.01	12.99
Price/Book Ratio	1.21	1.30	1.23
Geom Avg Mkt Cap $B	20.36	30.91	31.63
ROE	14.65	15.58	16.00

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MORNINGSTAR

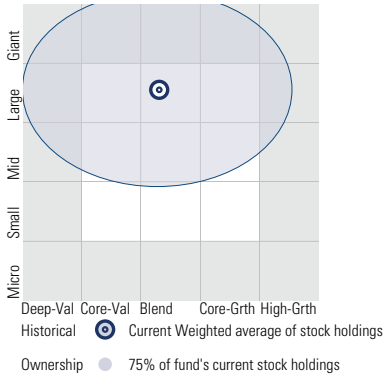
Vanguard Developed Markets Index Admiral VTMGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



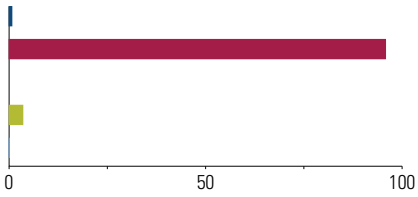
Style Breakdown

Equity

29	26	17	Large
8	6	7	Mid
3	2	2	Small
Value	Blend	Growth	

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

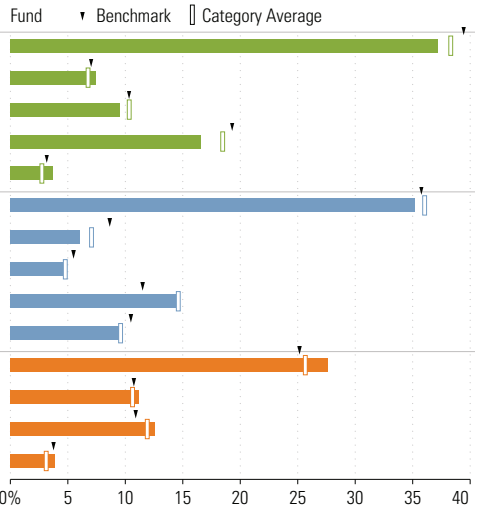
Asset Allocation as of 03-31-2020



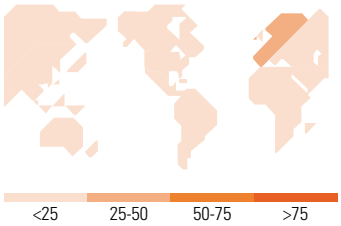
Asset Class	Net %	Cat%
US Stocks	0.70	3.37
Non-US Stocks	95.78	93.46
Bonds	0.00	0.97
Cash	3.49	0.53
Other	0.03	1.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**37.18**	**39.31**	**38.31**
Basic Materials	7.41	6.90	6.76
Consumer Cyclical	9.51	10.20	10.34
Financial Services	16.55	19.17	18.47
Real Estate	3.71	3.04	2.74
Sensitive	**35.23**	**35.63**	**36.04**
Communication Services	6.06	8.52	7.06
Energy	4.70	5.37	4.78
Industrials	14.76	11.38	14.61
Technology	9.71	10.36	9.59
Defensive	**27.61**	**25.03**	**25.66**
Consumer Defensive	11.19	10.62	10.63
Healthcare	12.56	10.78	11.91
Utilities	3.86	3.63	3.12



World Regions % Equity 03-31-2020



	Fund %	Cat %
Greater Asia	37.90	36.85
Japan	23.83	20.13
Australasia	5.49	4.93
Asia-4 Tigers	8.20	6.65
Asia-ex 4 Tigers	0.38	5.14
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	9.09	7.21
North America	9.08	6.31
Central/Latin	0.01	0.90

	Fund %	Cat %
Greater Europe	53.02	55.95
United Kingdom	13.05	14.42
W euro-ex UK	38.90	40.46
Emrgng Europe	0.53	0.44
Africa	0.54	0.63

Market Maturity	Fund %
Developed Markets	99.07
Emerging Markets	0.93
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Market Liquidity Inv	3.42	3.42	–	–
⊖ Nestle SA	1.92	5.35	-5.09	Consumer Defensive
⊖ Roche Holding AG Dividend Right Cert.	1.45	6.80	-0.42	Healthcare
⊕ Novartis AG	1.14	7.94	-9.90	Healthcare
⊖ Samsung Electronics Co Ltd	1.12	9.06	–	Technology
⊖ Toyota Motor Corp	0.96	10.02	-15.72	Consumer Cyclical
⊖ AstraZeneca PLC	0.76	10.79	-3.22	Healthcare
⊖ HSBC Holdings PLC	0.74	11.52	-23.26	Financial Services
⊖ AIA Group Ltd	0.70	12.23	-14.24	Financial Services
⊖ SAP SE	0.70	12.93	-14.56	Technology

Total Holdings 3924

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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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 7.11 years.

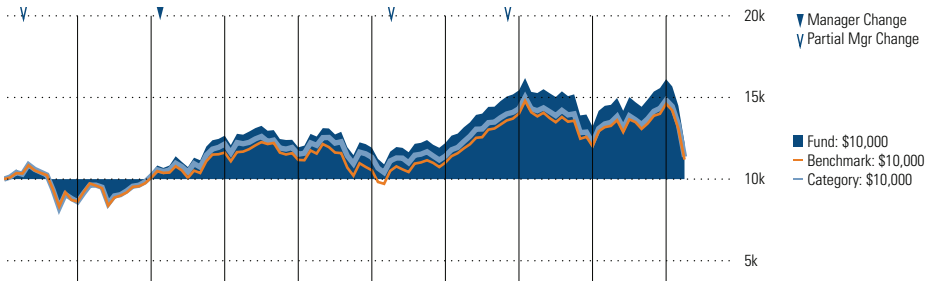
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.07 is 92.71% 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



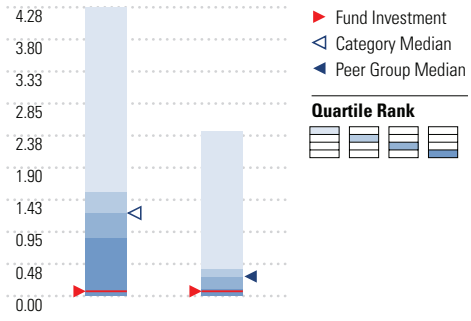
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-12.51	18.56	22.06	-5.66	-0.18	2.45	26.40	-14.46	22.05	-24.07	Total Return %
1.20	1.73	6.77	-1.79	5.48	-2.05	-0.79	-0.26	0.54	-0.71	+/- Benchmark
1.46	0.27	2.62	-0.68	1.41	1.66	1.28	0.13	0.46	-0.68	+/- Category
30	42	24	54	36	29	35	51	42	64	Tot Ret % Rank in Cat
393	416	446	458	497	583	631	680	734	792	# of Funds in Cat
5	7	13	4	3	11	3	3	2	–	Turnover %
–	–	0.09	0.09	0.09	0.07	0.07	0.07	0.07	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.07	-15.87	-2.41	-0.59	2.74	2.89	Fund Return %
-23.36	-15.57	-1.96	-0.64	2.05	3.61	Benchmark Return %
-23.39	-15.67	-2.74	-1.14	2.15	–	Category Average %
64	57	52	32	25	–	% Rank in Category
792	747	642	506	374	–	# of Funds in Category

Net Expense



4	17	Percentile
28/771	26/157	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	-0.42	–	-0.76
Beta	1.00	–	1.00
R-Squared	98.45	–	95.29
Standard Deviation	15.33	15.15	15.44
Sharpe Ratio	-0.20	-0.17	-0.21
Tracking Error	1.91	–	3.43
Information Ratio	-0.24	–	-0.24
Up Capture Ratio	97.03	–	95.05
Down Capture Ratio	99.57	–	99.51

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.17	13.01	12.99
Price/Book Ratio	1.21	1.30	1.23
Geom Avg Mkt Cap $B	20.36	30.91	31.63
ROE	14.65	15.58	16.00

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MORNINGSTAR

Vanguard Developed Markets Index Admiral VTMGX

Morningstar Category
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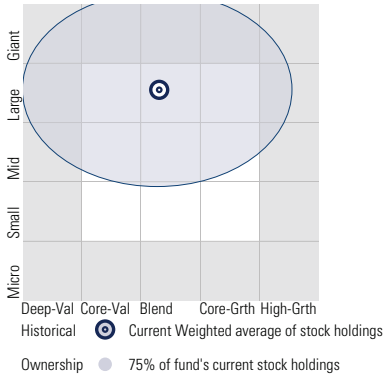
Style Analysis as of 03-31-2020

Morningstar Style Box™



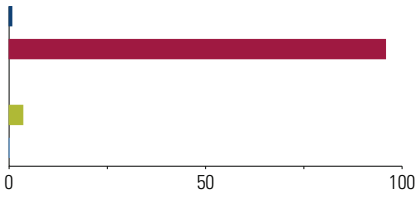
Style Breakdown

Equity

29	26	17	Large
8	6	7	Mid
3	2	2	Small
Value	Blend	Growth	

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

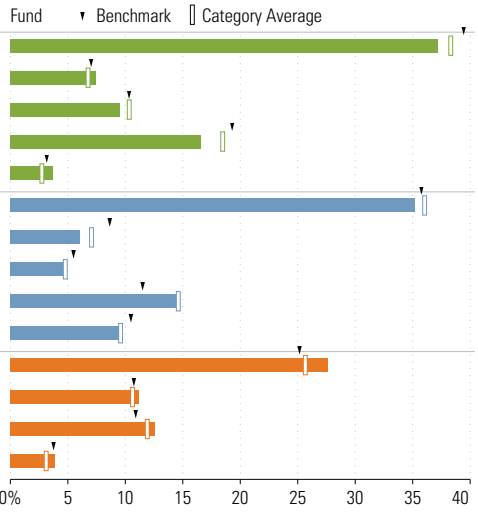
Asset Allocation as of 03-31-2020



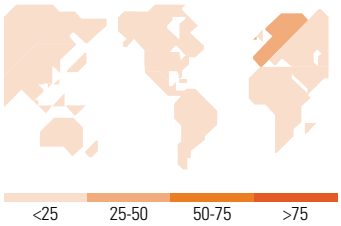
Asset Class	Net %	Cat%
US Stocks	0.70	3.37
Non-US Stocks	95.78	93.46
Bonds	0.00	0.97
Cash	3.49	0.53
Other	0.03	1.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**37.18**	**39.31**	**38.31**
Basic Materials	7.41	6.90	6.76
Consumer Cyclical	9.51	10.20	10.34
Financial Services	16.55	19.17	18.47
Real Estate	3.71	3.04	2.74
Sensitive	**35.23**	**35.63**	**36.04**
Communication Services	6.06	8.52	7.06
Energy	4.70	5.37	4.78
Industrials	14.76	11.38	14.61
Technology	9.71	10.36	9.59
Defensive	**27.61**	**25.03**	**25.66**
Consumer Defensive	11.19	10.62	10.63
Healthcare	12.56	10.78	11.91
Utilities	3.86	3.63	3.12



World Regions % Equity 03-31-2020



	Fund %	Cat %
Greater Asia	37.90	36.85
Japan	23.83	20.13
Australasia	5.49	4.93
Asia-4 Tigers	8.20	6.65
Asia-ex 4 Tigers	0.38	5.14
Not Classified	0.00	0.00

	Fund %	Cat %
Americas	9.09	7.21
North America	9.08	6.31
Central/Latin	0.01	0.90

	Fund %	Cat %
Greater Europe	53.02	55.95
United Kingdom	13.05	14.42
W euro-ex UK	38.90	40.46
Emrgng Europe	0.53	0.44
Africa	0.54	0.63

Market Maturity	Fund %
Developed Markets	99.07
Emerging Markets	0.93
Not Available	0.00

Top 10 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Market Liquidity Inv	3.42	3.42	–	–
⊖ Nestle SA	1.92	5.35	-5.09	Consumer Defensive
⊖ Roche Holding AG Dividend Right Cert.	1.45	6.80	-0.42	Healthcare
⊕ Novartis AG	1.14	7.94	-9.90	Healthcare
⊖ Samsung Electronics Co Ltd	1.12	9.06	–	Technology
⊖ Toyota Motor Corp	0.96	10.02	-15.72	Consumer Cyclical
⊖ AstraZeneca PLC	0.76	10.79	-3.22	Healthcare
⊖ HSBC Holdings PLC	0.74	11.52	-23.26	Financial Services
⊖ AIA Group Ltd	0.70	12.23	-14.24	Financial Services
⊖ SAP SE	0.70	12.93	-14.56	Technology

Total Holdings 3924

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Portfolio Manager(s)

Gemma Wright-Casparius since 08-2011

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 has been in place for 8.62 years.

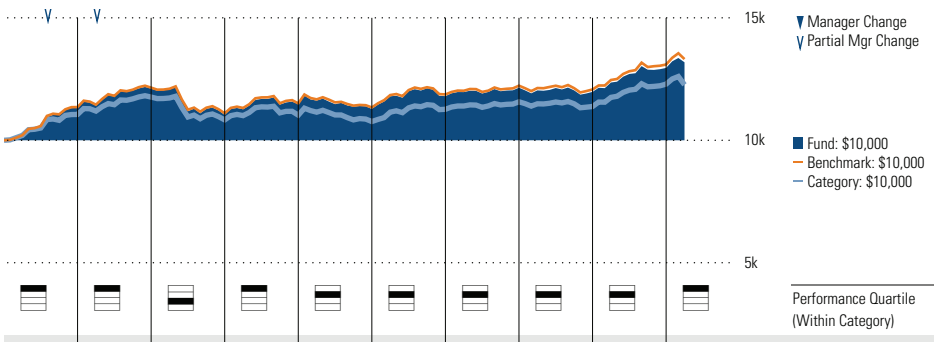
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.1 is 85.71% lower than the Inflation-Protected Bond category average.

Morningstar Investment Management LLC Analysis

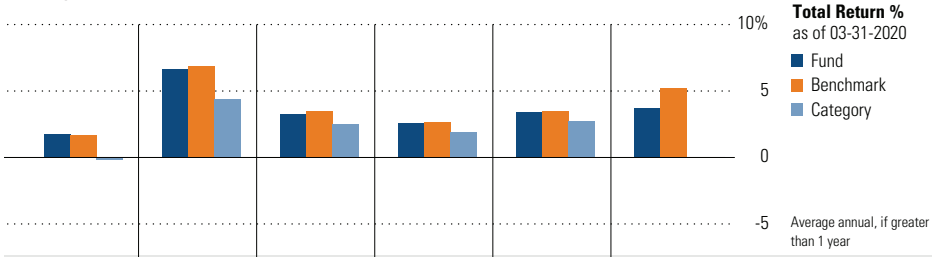
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of $10,000



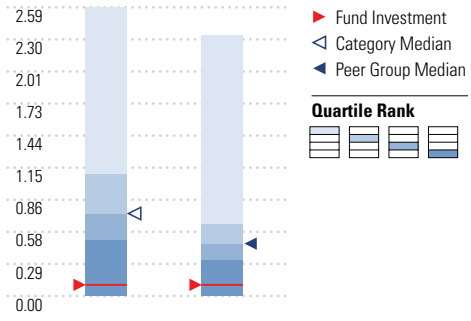
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
13.29	6.90	-8.86	3.97	-1.69	4.62	2.91	-1.39	8.16	1.78	Total Return %
-0.27	-0.08	-0.25	0.33	-0.25	-0.06	-0.10	-0.13	-0.27	0.09	+/- Benchmark
2.36	0.45	-1.01	2.17	0.67	0.03	0.19	0.25	0.24	1.94	+/- Category
8	23	54	5	32	40	39	47	45	16	Tot Ret % Rank in Cat
124	134	148	153	160	182	191	206	218	219	# of Funds in Cat
28	33	44	39	43	27	22	27	26	–	Turnover %
–	–	0.10	0.10	0.10	0.10	0.10	0.10	0.10	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
1.78	6.69	3.28	2.56	3.39	3.70	Fund Return %
1.69	6.85	3.46	2.67	3.48	5.21	Benchmark Return %
-0.16	4.37	2.49	1.91	2.78	–	Category Average %
16	24	26	20	15	–	% Rank in Category
219	218	196	173	115	–	# of Funds in Category

Net Expense



7	6	Percentile
16/218	7/133	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	0.02	–	-0.93
Beta	0.94	–	0.86
R-Squared	98.10	–	76.84
Standard Deviation	3.27	3.44	3.60
Sharpe Ratio	0.48	0.51	0.11
Tracking Error	0.49	–	1.92
Information Ratio	-0.36	–	-0.90
Up Capture Ratio	94.61	–	76.99
Down Capture Ratio	94.36	–	96.64

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.26	4.52	6.80
Avg Eff Maturity	8.10	–	7.67

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MORNINGSTAR

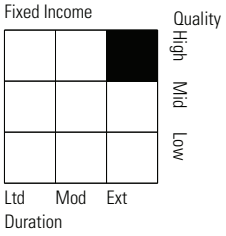
Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

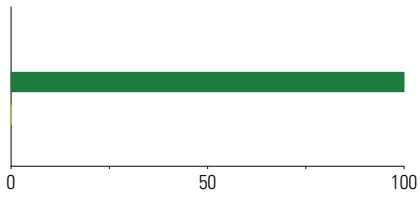
Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Style Analysis as of 03-31-2020

Style Breakdown



Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	0.00	-0.02
Non-US Stocks	0.00	0.01
Bonds	99.97	96.97
Cash	0.03	2.11
Other	0.00	0.93
Total	**100.00**	**100.00**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	0.00	93.81
AA	0.00	99.60	0.30
A	0.00	0.00	1.87
BBB	0.00	0.00	2.12
BB	0.00	0.00	0.37
B	0.00	0.00	0.08
Below B	0.00	0.00	0.02
Not Rated	0.00	0.40	1.43

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**99.97**	**–**	**85.68**
Treasury	0.00	–	0.37
Inflation – Protected	99.97	–	81.17
Agency/Quasi Agency	0.00	–	0.13
Other Government Related	0.00	–	4.01
Corporate	**0.00**	**–**	**2.52**
Corporate Bond	0.00	–	2.40
Bank Loan	0.00	–	0.05
Convertible	0.00	–	0.07
Preferred	0.00	–	0.00
Securitized	**0.00**	**–**	**5.76**
Agency MBS Pass-Through	0.00	–	1.70
Agency MBS ARM	0.00	–	0.00
Agency MBS CMO	0.00	–	0.74
Non-Agency Residential MBS	0.00	–	0.51
Commercial MBS	0.00	–	0.49
Asset-Backed	0.00	–	2.10
Covered Bond	0.00	–	0.22
Municipal	**0.00**	**–**	**0.02**
Cash & Equivalents	**0.03**	**–**	**5.50**
Other	**0.00**	**–**	**0.40**

Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.12%	10-2024	6.14	6.14	–
United States Treasury Notes 0.62%	04-2023	3.57	9.71	–
⊖ United States Treasury Notes 0.38%	07-2025	3.50	13.21	–
United States Treasury Notes 0.25%	01-2025	3.49	16.70	–
United States Treasury Notes 0.62%	01-2024	3.48	20.18	–
United States Treasury Notes 0.38%	07-2023	3.48	23.66	–
United States Treasury Notes 0.12%	01-2023	3.42	27.08	–
United States Treasury Notes 0.12%	07-2024	3.40	30.47	–
⊕ United States Treasury Notes 0.12%	01-2030	3.29	33.77	–
⊕ United States Treasury Notes 0.62%	01-2026	3.21	36.97	–

Total Holdings 43

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Portfolio Manager(s)

Gemma Wright-Casparius since 08-2011

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 has been in place for 8.62 years.

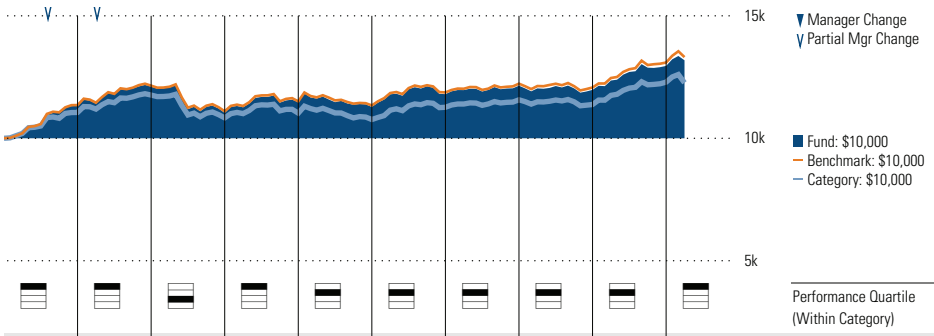
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.1 is 85.71% lower than the Inflation-Protected 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.

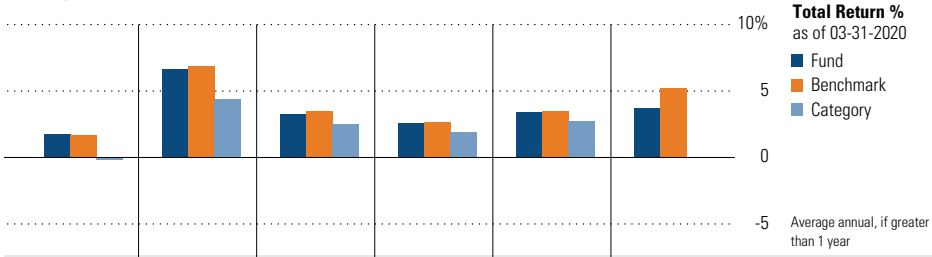
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
13.29	6.90	-8.86	3.97	-1.69	4.62	2.91	-1.39	8.16	1.78	Total Return %
-0.27	-0.08	-0.25	0.33	-0.25	-0.06	-0.10	-0.13	-0.27	0.09	+/- Benchmark
2.36	0.45	-1.01	2.17	0.67	0.03	0.19	0.25	0.24	1.94	+/- Category
8	23	54	5	32	40	39	47	45	16	Tot Ret % Rank in Cat
124	134	148	153	160	182	191	206	218	219	# of Funds in Cat
28	33	44	39	43	27	22	27	26	–	Turnover %
–	–	0.10	0.10	0.10	0.10	0.10	0.10	0.10	–	Expense Ratio

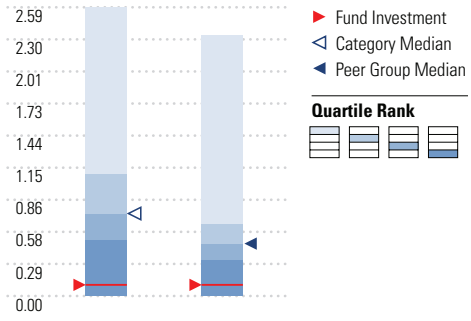
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
1.78	6.69	3.28	2.56	3.39	3.70	Fund Return %
1.69	6.85	3.46	2.67	3.48	5.21	Benchmark Return %
-0.16	4.37	2.49	1.91	2.78	–	Category Average %
16	24	26	20	15	–	% Rank in Category
219	218	196	173	115	–	# of Funds in Category

Net Expense



7	6	Percentile
16/218	7/133	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	0.02	–	-0.93
Beta	0.94	–	0.86
R-Squared	98.10	–	76.84
Standard Deviation	3.27	3.44	3.60
Sharpe Ratio	0.48	0.51	0.11
Tracking Error	0.49	–	1.92
Information Ratio	-0.36	–	-0.90
Up Capture Ratio	94.61	–	76.99
Down Capture Ratio	94.36	–	96.64

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.26	4.52	6.80
Avg Eff Maturity	8.10	–	7.67

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MORNINGSTAR

Vanguard Inflation-Protected Secs Adm VAIPX

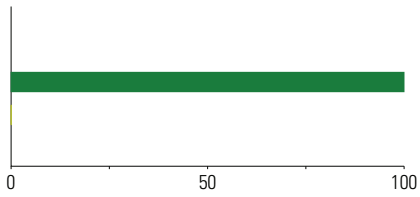
Morningstar Category
Inflation-Protected Bond

Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Style Analysis as of 03-31-2020

Style Breakdown

Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	0.00	-0.02
Non-US Stocks	0.00	0.01
Bonds	99.97	96.97
Cash	0.03	2.11
Other	0.00	0.93
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Government	**99.97**	–	**85.68**
Treasury	0.00	–	0.37
Inflation – Protected	99.97	–	81.17
Agency/Quasi Agency	0.00	–	0.13
Other Government Related	0.00	–	4.01
Corporate	**0.00**	–	**2.52**
Corporate Bond	0.00	–	2.40
Bank Loan	0.00	–	0.05
Convertible	0.00	–	0.07
Preferred	0.00	–	0.00
Securitized	**0.00**	–	**5.76**
Agency MBS Pass-Through	0.00	–	1.70
Agency MBS ARM	0.00	–	0.00
Agency MBS CMO	0.00	–	0.74
Non-Agency Residential MBS	0.00	–	0.51
Commercial MBS	0.00	–	0.49
Asset-Backed	0.00	–	2.10
Covered Bond	0.00	–	0.22
Municipal	**0.00**	–	**0.02**
Cash & Equivalents	**0.03**	–	**5.50**
Other	**0.00**	–	**0.40**

Credit Rating Breakdown	Fund	Bmark	Cat
AAA	100.00	0.00	93.81
AA	0.00	99.60	0.30
A	0.00	0.00	1.87
BBB	0.00	0.00	2.12
BB	0.00	0.00	0.37
B	0.00	0.00	0.08
Below B	0.00	0.00	0.02
Not Rated	0.00	0.40	1.43

Top 10 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.12%	10-2024	6.14	6.14	–
United States Treasury Notes 0.62%	04-2023	3.57	9.71	–
⊖ United States Treasury Notes 0.38%	07-2025	3.50	13.21	–
United States Treasury Notes 0.25%	01-2025	3.49	16.70	–
United States Treasury Notes 0.62%	01-2024	3.48	20.18	–
United States Treasury Notes 0.38%	07-2023	3.48	23.66	–
United States Treasury Notes 0.12%	01-2023	3.42	27.08	–
United States Treasury Notes 0.12%	07-2024	3.40	30.47	–
⊕ United States Treasury Notes 0.12%	01-2030	3.29	33.77	–
⊕ United States Treasury Notes 0.62%	01-2026	3.21	36.97	–

Total Holdings 43

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category
Mid-Cap Blend

Morningstar Index
Russell Mid Cap TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 21.88 years.

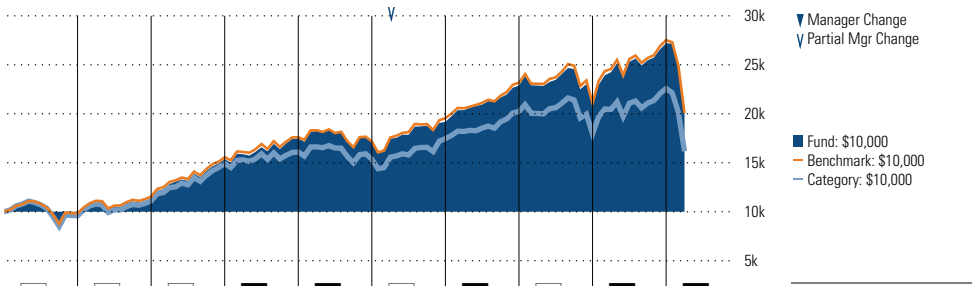
Style: The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.05 is 94.95% lower than the Mid-Cap Blend category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



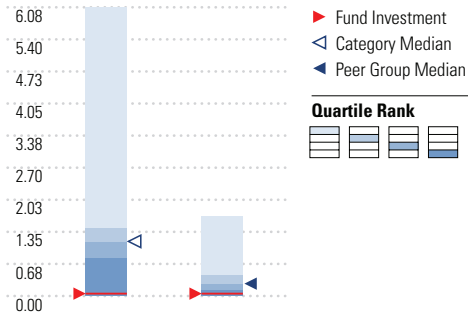
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-1.97	15.99	35.15	13.76	-1.34	11.22	19.25	-9.23	31.03	-25.72	Total Return %
-0.42	-1.29	0.39	0.54	1.10	-2.58	0.73	-0.17	0.49	1.35	+/- Benchmark
1.84	-0.16	1.05	5.96	3.41	-2.92	3.32	1.92	4.82	2.56	+/- Category
33	55	41	5	18	73	17	32	13	24	Tot Ret % Rank in Cat
224	237	258	274	287	319	355	388	401	420	# of Funds in Cat
22	17	32	11	15	15	14	16	15	–	Turnover %
–	–	0.09	0.09	0.08	0.06	0.05	0.05	0.05	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-25.72	-16.65	-0.26	2.08	8.86	8.21	Fund Return %
-27.07	-18.31	-0.81	1.85	8.77	12.26	Benchmark Return %
-28.28	-20.69	-3.71	-0.58	6.60	–	Category Average %
24	20	13	13	8	–	% Rank in Category
420	402	363	288	216	–	# of Funds in Category

Net Expense



3	11	Percentile
12/410	12/112	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	0.48	–	-3.01
Beta	0.97	–	1.02
R-Squared	99.67	–	95.16
Standard Deviation	17.84	18.31	19.14
Sharpe Ratio	-0.02	-0.05	-0.20
Tracking Error	1.14	–	4.24
Information Ratio	0.48	–	-0.82
Up Capture Ratio	98.70	–	93.22
Down Capture Ratio	96.36	–	107.82

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.00	15.32	13.71
Price/Book Ratio	2.03	1.90	1.49
Geom Avg Mkt Cap $B	13.23	11.30	6.05
ROE	17.26	16.18	13.75

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MORNINGSTAR

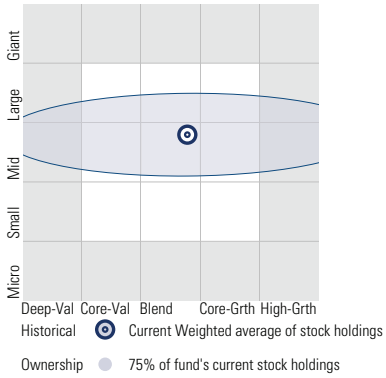
Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category
Mid-Cap Blend

Morningstar Index
Russell Mid Cap TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



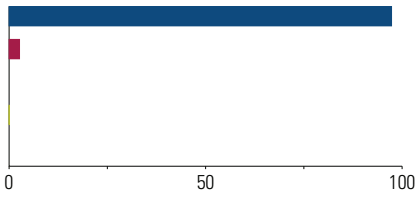
Style Breakdown

Equity

3	10	12	Large
24	26	23	Mid
1	0	0	Small
Value	Blend	Growth	

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

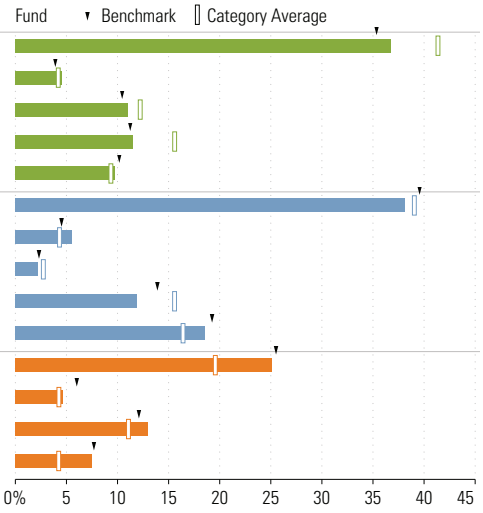
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	97.31	94.00
Non-US Stocks	2.65	2.47
Bonds	0.00	0.17
Cash	0.03	2.83
Other	0.00	0.52
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**36.74**	**35.21**	**41.36**
Basic Materials	4.59	3.77	4.20
Consumer Cyclical	11.00	10.31	12.22
Financial Services	11.46	11.10	15.59
Real Estate	9.69	10.03	9.35
Sensitive	**38.10**	**39.42**	**39.05**
Communication Services	5.54	4.38	4.32
Energy	2.16	2.17	2.74
Industrials	11.87	13.76	15.58
Technology	18.53	19.11	16.41
Defensive	**25.14**	**25.37**	**19.57**
Consumer Defensive	4.65	5.87	4.26
Healthcare	12.99	11.95	11.07
Utilities	7.50	7.55	4.24



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Newmont Corp	1.14	1.14	4.53	Basic Materials
⊕ Centene Corp	1.06	2.20	-5.50	Healthcare
⊕ SBA Communications Corp	0.93	3.13	12.22	Real Estate
⊕ Digital Realty Trust Inc	0.89	4.02	16.95	Real Estate
⊕ WEC Energy Group Inc	0.85	4.87	-3.76	Utilities
⊕ Advanced Micro Devices Inc	0.78	5.65	-0.83	Technology
⊕ Eversource Energy	0.78	6.42	-7.40	Utilities
⊕ DexCom Inc	0.76	7.18	23.10	Healthcare
⊕ MSCI Inc	0.71	7.89	12.19	Financial Services
⊕ IHS Markit Ltd	0.70	8.59	-20.15	Industrials
⊕ Verisk Analytics Inc	0.70	9.29	-6.49	Industrials
⊕ Motorola Solutions Inc	0.70	9.99	-17.12	Technology
⊕ KLA Corp	0.70	10.68	-18.85	Technology
⊕ Lululemon Athletica Inc	0.68	11.36	-18.18	Consumer Cyclical
⊕ Willis Towers Watson PLC	0.67	12.03	-15.55	Financial Services

Total Holdings 342

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category
Mid-Cap Blend

Morningstar Index
Russell Mid Cap TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 21.88 years.

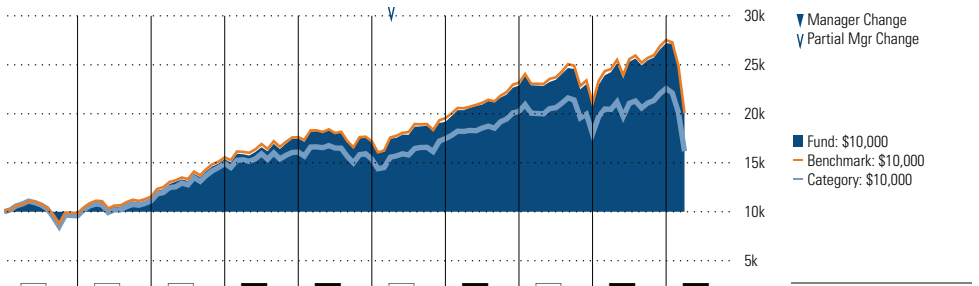
Style: The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.05 is 94.95% lower than the Mid-Cap Blend category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000

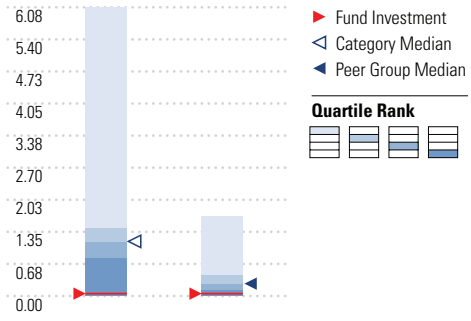


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	Performance Quartile (Within Category) History
-1.97	15.99	35.15	13.76	-1.34	11.22	19.25	-9.23	31.03	-25.72	Total Return %
-0.42	-1.29	0.39	0.54	1.10	-2.58	0.73	-0.17	0.49	1.35	+/- Benchmark
1.84	-0.16	1.05	5.96	3.41	-2.92	3.32	1.92	4.82	2.56	+/- Category
33	55	41	5	18	73	17	32	13	24	Tot Ret % Rank in Cat
224	237	258	274	287	319	355	388	401	420	# of Funds in Cat
22	17	32	11	15	15	14	16	15	–	Turnover %
–	–	0.09	0.09	0.08	0.06	0.05	0.05	0.05	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-25.72	-16.65	-0.26	2.08	8.86	8.21	Fund Return %
-27.07	-18.31	-0.81	1.85	8.77	12.26	Benchmark Return %
-28.28	-20.69	-3.71	-0.58	6.60	–	Category Average %
24	20	13	13	8	–	% Rank in Category
420	402	363	288	216	–	# of Funds in Category

Net Expense



3	11	Percentile
12/410	12/112	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	0.48	–	-3.01
Beta	0.97	–	1.02
R-Squared	99.67	–	95.16
Standard Deviation	17.84	18.31	19.14
Sharpe Ratio	-0.02	-0.05	-0.20
Tracking Error	1.14	–	4.24
Information Ratio	0.48	–	-0.82
Up Capture Ratio	98.70	–	93.22
Down Capture Ratio	96.36	–	107.82

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.00	15.32	13.71
Price/Book Ratio	2.03	1.90	1.49
Geom Avg Mkt Cap $B	13.23	11.30	6.05
ROE	17.26	16.18	13.75

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MORNINGSTAR

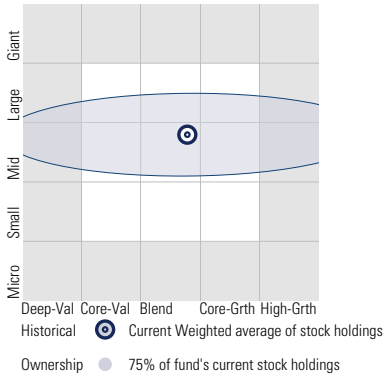
Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category
Mid-Cap Blend

Morningstar Index
Russell Mid Cap TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



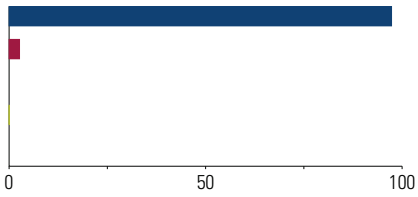
Style Breakdown

Equity

3	10	12	Large
24	26	23	Mid
1	0	0	Small
Value	Blend	Growth	

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

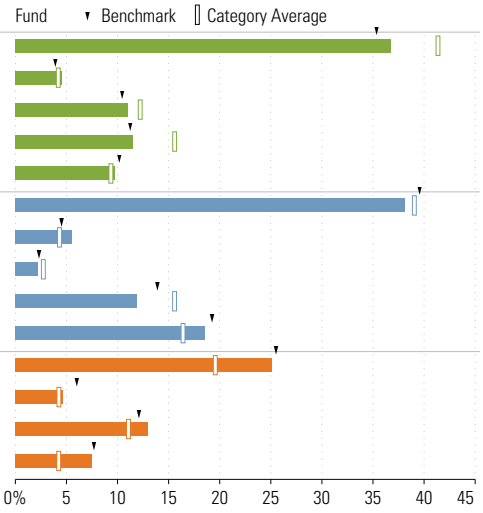
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	97.31	94.00
Non-US Stocks	2.65	2.47
Bonds	0.00	0.17
Cash	0.03	2.83
Other	0.00	0.52
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**36.74**	**35.21**	**41.36**
Basic Materials	4.59	3.77	4.20
Consumer Cyclical	11.00	10.31	12.22
Financial Services	11.46	11.10	15.59
Real Estate	9.69	10.03	9.35
Sensitive	**38.10**	**39.42**	**39.05**
Communication Services	5.54	4.38	4.32
Energy	2.16	2.17	2.74
Industrials	11.87	13.76	15.58
Technology	18.53	19.11	16.41
Defensive	**25.14**	**25.37**	**19.57**
Consumer Defensive	4.65	5.87	4.26
Healthcare	12.99	11.95	11.07
Utilities	7.50	7.55	4.24



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Newmont Corp	1.14	1.14	4.53	Basic Materials
⊕ Centene Corp	1.06	2.20	-5.50	Healthcare
⊕ SBA Communications Corp	0.93	3.13	12.22	Real Estate
⊕ Digital Realty Trust Inc	0.89	4.02	16.95	Real Estate
⊕ WEC Energy Group Inc	0.85	4.87	-3.76	Utilities
⊕ Advanced Micro Devices Inc	0.78	5.65	-0.83	Technology
⊕ Eversource Energy	0.78	6.42	-7.40	Utilities
⊕ DexCom Inc	0.76	7.18	23.10	Healthcare
⊕ MSCI Inc	0.71	7.89	12.19	Financial Services
⊕ IHS Markit Ltd	0.70	8.59	-20.15	Industrials
⊕ Verisk Analytics Inc	0.70	9.29	-6.49	Industrials
⊕ Motorola Solutions Inc	0.70	9.99	-17.12	Technology
⊕ KLA Corp	0.70	10.68	-18.85	Technology
⊕ Lululemon Athletica Inc	0.68	11.36	-18.18	Consumer Cyclical
⊕ Willis Towers Watson PLC	0.67	12.03	-15.55	Financial Services

Total Holdings 342

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Real Estate Index Admiral VGSLX

Morningstar Category
Real Estate

Morningstar Index
S&P United States REIT TR USD

Portfolio Manager(s)
Gerard O'Reilly since 05-1996
Walter Nejman since 05-2016

Quantitative Screens

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

Management: The fund's management has been in place for 23.9 years.

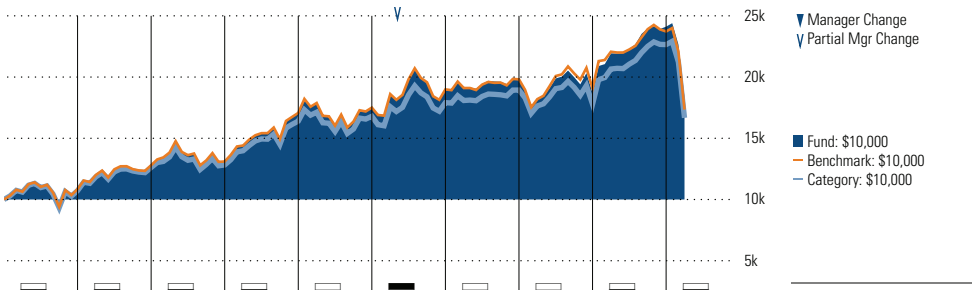
Style: The fund has landed in its primary style box — Mid-Cap Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.12 is 89.29% 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



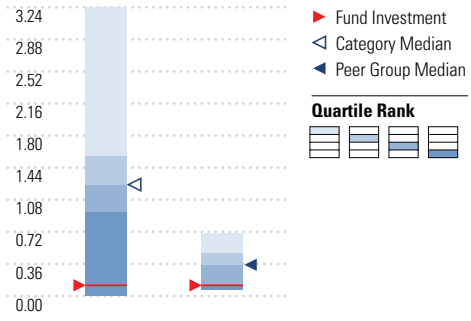
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
8.62	17.69	2.42	30.32	2.39	8.50	4.94	-5.95	28.94	-24.10	Total Return %
0.14	-0.30	0.02	0.06	-0.15	0.01	0.61	-2.16	4.49	2.80	+/- Benchmark
1.11	0.09	0.87	2.29	-0.02	1.61	-1.28	0.02	1.66	2.25	+/- Category
40	29	27	32	64	18	57	58	29	44	Tot Ret % Rank in Cat
153	164	172	186	200	216	224	243	259	269	# of Funds in Cat
12	10	9	11	8	11	7	6	24	6	Turnover %
–	–	0.10	0.10	0.12	0.12	0.12	0.12	0.11	0.12	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.10	-16.55	-1.46	0.49	7.89	8.85	Fund Return %
-26.90	-21.42	-3.17	-0.61	7.31	8.61	Benchmark Return %
-26.35	-19.21	-2.77	-0.46	7.08	–	Category Average %
44	40	47	45	39	–	% Rank in Category
269	263	229	202	138	–	# of Funds in Category

Net Expense



5	23	Percentile
12/266	8/36	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	1.42	–	0.98
Beta	0.94	–	0.92
R-Squared	98.98	–	94.50
Standard Deviation	17.06	18.14	17.28
Sharpe Ratio	-0.10	-0.18	-0.11
Tracking Error	2.09	–	4.30
Information Ratio	0.82	–	0.34
Up Capture Ratio	98.44	–	91.99
Down Capture Ratio	90.66	–	87.89

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	24.06	38.46	22.03
Price/Book Ratio	2.01	2.42	1.66
Geom Avg Mkt Cap $B	14.69	9.35	14.81
ROE	12.69	9.56	11.73

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MORNINGSTAR

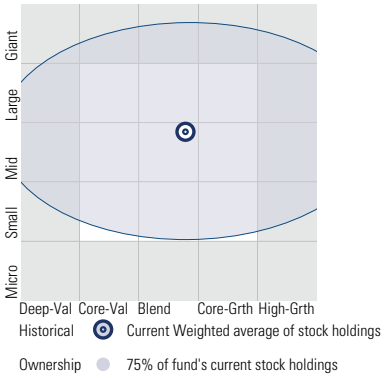
Vanguard Real Estate Index Admiral VGSLX

Morningstar Category
Real Estate

Morningstar Index
S&P United States REIT TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



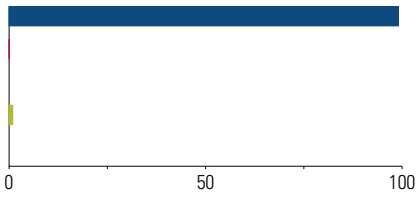
Style Breakdown

Equity

5	12	24	Large
17	26	3	Mid
6	5	1	Small
Value	Blend	Growth	

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

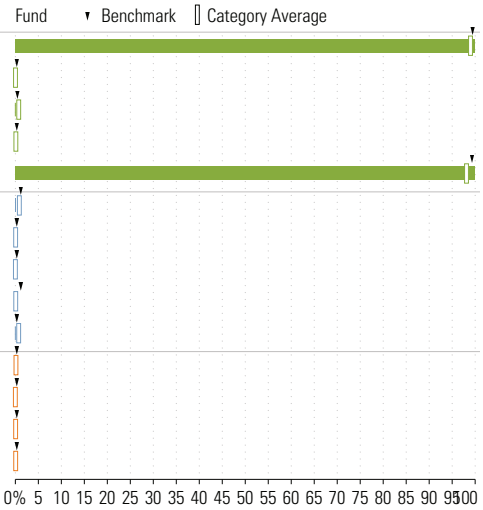
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	99.03	87.30
Non-US Stocks	0.04	0.76
Bonds	0.00	3.63
Cash	0.92	1.75
Other	0.00	6.57
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**99.97**	**99.13**	**98.99**
Basic Materials	0.00	0.00	0.03
Consumer Cyclical	0.00	0.13	0.73
Financial Services	0.01	0.00	0.11
Real Estate	99.96	99.00	98.12
Sensitive	**0.03**	**0.87**	**0.87**
Communication Services	0.00	0.00	0.06
Energy	0.00	0.00	0.01
Industrials	0.03	0.87	0.08
Technology	0.00	0.00	0.72
Defensive	**0.00**	**0.00**	**0.13**
Consumer Defensive	0.00	0.00	0.00
Healthcare	0.00	0.00	0.06
Utilities	0.00	0.00	0.07



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.35	11.35	–	–
⊖ American Tower Corp	8.76	20.11	-5.25	Real Estate
⊖ Crown Castle International Corp	5.45	25.56	2.43	Real Estate
⊖ Prologis Inc	5.38	30.95	-9.19	Real Estate
⊖ Equinix Inc	4.84	35.78	7.46	Real Estate
⊕ Digital Realty Trust Inc	3.15	38.93	16.95	Real Estate
⊖ Public Storage	2.84	41.77	-5.80	Real Estate
⊖ SBA Communications Corp	2.76	44.53	12.22	Real Estate
⊖ Equity Residential	2.08	46.61	-22.99	Real Estate
⊖ AvalonBay Communities Inc	1.87	48.48	-29.06	Real Estate
⊖ Welltower Inc	1.69	50.16	-42.96	Real Estate
⊖ Simon Property Group Inc	1.53	51.69	-61.76	Real Estate
⊖ Realty Income Corp	1.48	53.17	-31.34	Real Estate
⊖ Alexandria Real Estate Equities Inc	1.43	54.60	-14.54	Real Estate
⊖ Essex Property Trust Inc	1.32	55.92	-26.11	Real Estate

Total Holdings 189

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Real Estate Index Admiral VGSLX

Morningstar Category
Real Estate

Morningstar Index
S&P United States REIT TR USD

Portfolio Manager(s)

Gerard O'Reilly since 05-1996
Walter Nejman since 05-2016

Quantitative Screens

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

Management: The fund's management has been in place for 23.9 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 0.12 is 89.29% lower than the Real Estate category average.

Morningstar Investment Management LLC Analysis

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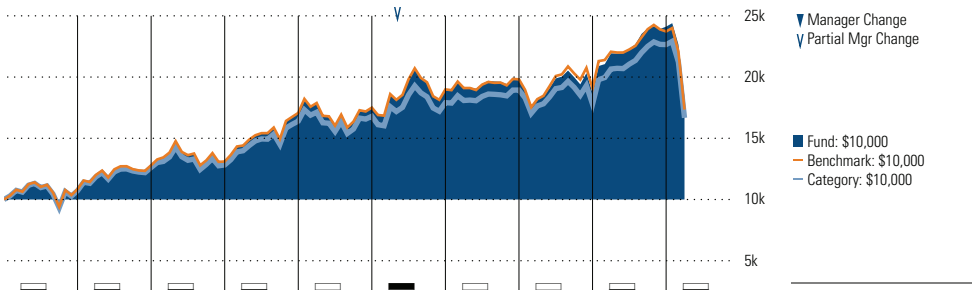
Growth of $10,000



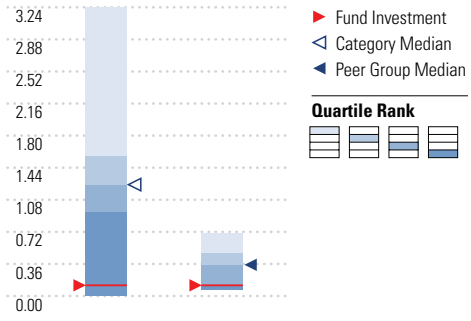
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
8.62	17.69	2.42	30.32	2.39	8.50	4.94	-5.95	28.94	-24.10	Total Return %
0.14	-0.30	0.02	0.06	-0.15	0.01	0.61	-2.16	4.49	2.80	+/- Benchmark
1.11	0.09	0.87	2.29	-0.02	1.61	-1.28	0.02	1.66	2.25	+/- Category
40	29	27	32	64	18	57	58	29	44	Tot Ret % Rank in Cat
153	164	172	186	200	216	224	243	259	269	# of Funds in Cat
12	10	9	11	8	11	7	6	24	6	Turnover %
–	–	0.10	0.10	0.12	0.12	0.12	0.12	0.11	0.12	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-24.10	-16.55	-1.46	0.49	7.89	8.85	Fund Return %
-26.90	-21.42	-3.17	-0.61	7.31	8.61	Benchmark Return %
-26.35	-19.21	-2.77	-0.46	7.08	–	Category Average %
44	40	47	45	39	–	% Rank in Category
269	263	229	202	138	–	# of Funds in Category

Net Expense



5	23	Percentile
12/266	8/36	Rank

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3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.42	–	0.98
Beta	0.94	–	0.92
R-Squared	98.98	–	94.50
Standard Deviation	17.06	18.14	17.28
Sharpe Ratio	-0.10	-0.18	-0.11
Tracking Error	2.09	–	4.30
Information Ratio	0.82	–	0.34
Up Capture Ratio	98.44	–	91.99
Down Capture Ratio	90.66	–	87.89

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	24.06	38.46	22.03
Price/Book Ratio	2.01	2.42	1.66
Geom Avg Mkt Cap $B	14.69	9.35	14.81
ROE	12.69	9.56	11.73

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MORNINGSTAR

Vanguard Real Estate Index Admiral VGSLX

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Real Estate

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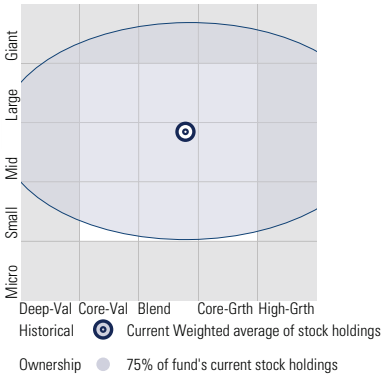
S&P United States REIT TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



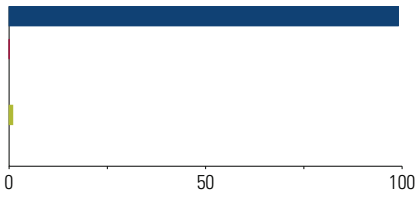
Style Breakdown

Equity

5	12	24	Large
17	26	3	Mid
6	5	1	Small
Value	Blend	Growth	

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

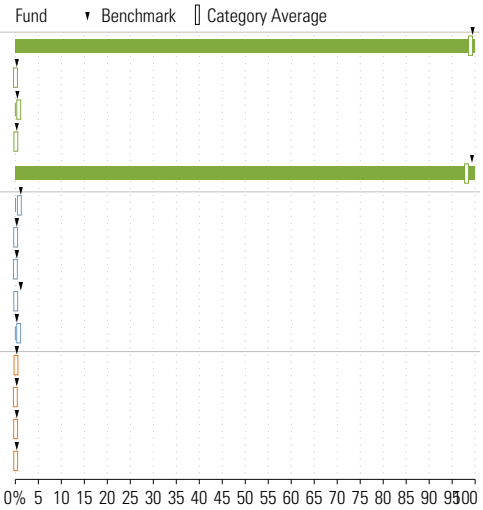
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	99.03	87.30
Non-US Stocks	0.04	0.76
Bonds	0.00	3.63
Cash	0.92	1.75
Other	0.00	6.57
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**99.97**	**99.13**	**98.99**
Basic Materials	0.00	0.00	0.03
Consumer Cyclical	0.00	0.13	0.73
Financial Services	0.01	0.00	0.11
Real Estate	99.96	99.00	98.12
Sensitive	**0.03**	**0.87**	**0.87**
Communication Services	0.00	0.00	0.06
Energy	0.00	0.00	0.01
Industrials	0.03	0.87	0.08
Technology	0.00	0.00	0.72
Defensive	**0.00**	**0.00**	**0.13**
Consumer Defensive	0.00	0.00	0.00
Healthcare	0.00	0.00	0.06
Utilities	0.00	0.00	0.07



Top 15 Holdings as of 03-31-2020

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.35	11.35	–	–
⊖ American Tower Corp	8.76	20.11	-5.25	Real Estate
⊖ Crown Castle International Corp	5.45	25.56	2.43	Real Estate
⊖ Prologis Inc	5.38	30.95	-9.19	Real Estate
⊖ Equinix Inc	4.84	35.78	7.46	Real Estate
⊕ Digital Realty Trust Inc	3.15	38.93	16.95	Real Estate
⊖ Public Storage	2.84	41.77	-5.80	Real Estate
⊖ SBA Communications Corp	2.76	44.53	12.22	Real Estate
⊖ Equity Residential	2.08	46.61	-22.99	Real Estate
⊖ AvalonBay Communities Inc	1.87	48.48	-29.06	Real Estate
⊖ Welltower Inc	1.69	50.16	-42.96	Real Estate
⊖ Simon Property Group Inc	1.53	51.69	-61.76	Real Estate
⊖ Realty Income Corp	1.48	53.17	-31.34	Real Estate
⊖ Alexandria Real Estate Equities Inc	1.43	54.60	-14.54	Real Estate
⊖ Essex Property Trust Inc	1.32	55.92	-26.11	Real Estate

Total Holdings 189

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2015 Inv VTXVX

Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

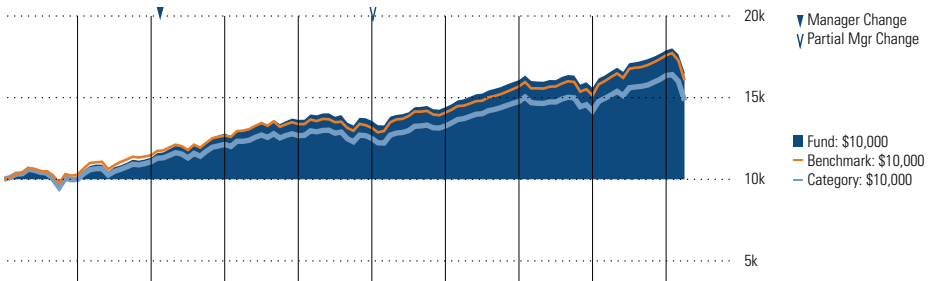
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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.

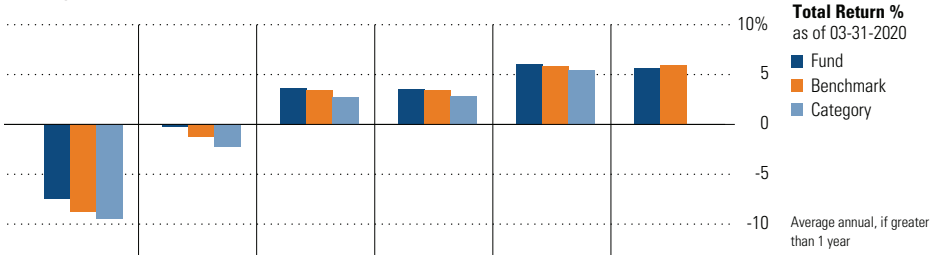
Growth of $10,000



Performance Quartile (Within Category)

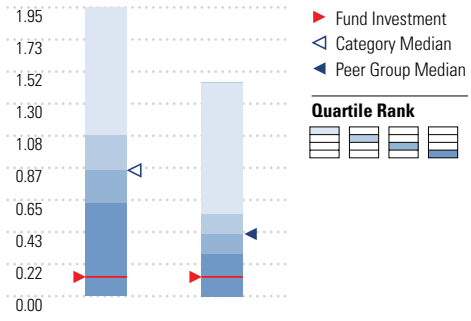
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
1.71	11.37	13.00	6.56	-0.46	6.16	11.50	-2.97	14.81	-7.44	Total Return %
-1.19	-0.12	2.50	1.01	1.27	-0.94	0.11	0.57	-1.48	1.31	+/- Benchmark
1.98	0.72	3.35	2.08	0.88	0.04	0.21	0.89	-0.64	2.04	+/- Category
19	34	21	3	11	56	44	20	69	16	Tot Ret % Rank in Cat
47	48	54	59	71	88	97	111	126	132	# of Funds in Cat
27	13	26	10	16	9	7	7	10	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-7.44	-0.22	3.61	3.55	6.03	5.66	Fund Return %
-8.75	-1.23	3.44	3.44	5.83	5.94	Benchmark Return %
-9.48	-2.27	2.78	2.89	5.43	–	Category Average %
16	16	22	9	19	–	% Rank in Category
132	129	99	74	47	–	# of Funds in Category

Net Expense



5	13	Percentile
7/132	25/199	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	0.54	–	-0.93
Beta	0.88	–	1.01
R-Squared	99.41	–	97.35
Standard Deviation	6.11	6.90	7.05
Sharpe Ratio	0.33	0.27	0.15
Tracking Error	0.93	–	1.35
Information Ratio	0.18	–	-0.71
Up Capture Ratio	92.70	–	93.00
Down Capture Ratio	86.94	–	102.79

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	14.47	14.15
Price/Book Ratio	1.61	1.65	1.68
Avg Eff Duration	5.89	8.22	5.17

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MORNINGSTAR

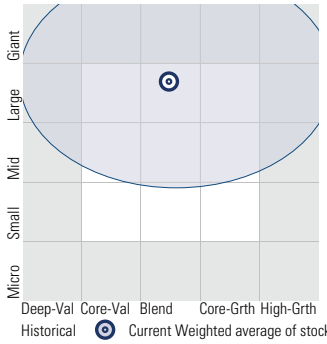
Vanguard Target Retirement 2015 Inv VTXVX

Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Style Analysis as of 03-31-2020

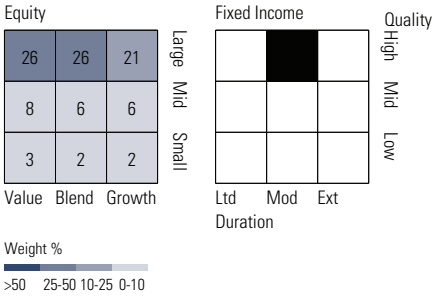
Morningstar Style Box™



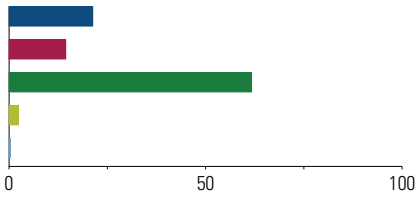
Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



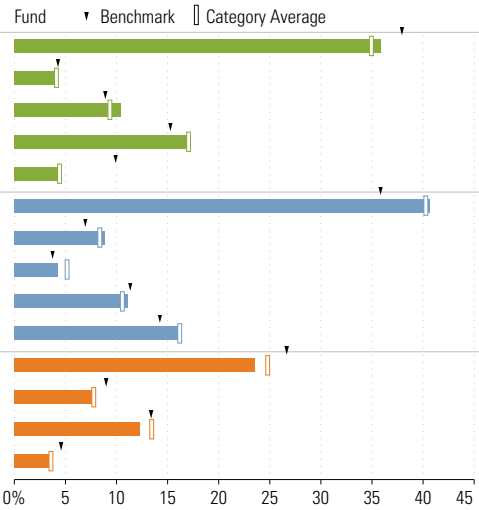
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	21.27	25.55
Non-US Stocks	14.40	14.57
Bonds	61.69	50.74
Cash	2.33	5.64
Other	0.30	3.49
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.84**	**37.79**	**34.94**
Basic Materials	4.27	4.13	4.12
Consumer Cyclical	10.40	8.76	9.35
Financial Services	16.87	15.13	17.05
Real Estate	4.30	9.77	4.42
Sensitive	**40.64**	**35.70**	**40.27**
Communication Services	8.89	6.80	8.36
Energy	4.27	3.60	5.16
Industrials	11.11	11.20	10.57
Technology	16.37	14.10	16.18
Defensive	**23.51**	**26.51**	**24.79**
Consumer Defensive	7.76	8.84	7.77
Healthcare	12.32	13.24	13.44
Utilities	3.43	4.43	3.58



Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	–	35.06	35.06	–	–
⊕ Vanguard Total Stock Mkt Idx Inv	–	21.65	56.71	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	14.98	71.69	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	14.54	86.23	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	–	13.67	99.89	–	–
⊕ Cmt Market Liquidity Rate	–	0.11	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2015 Inv VTXVX

Morningstar Category
Target-Date 2015

Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

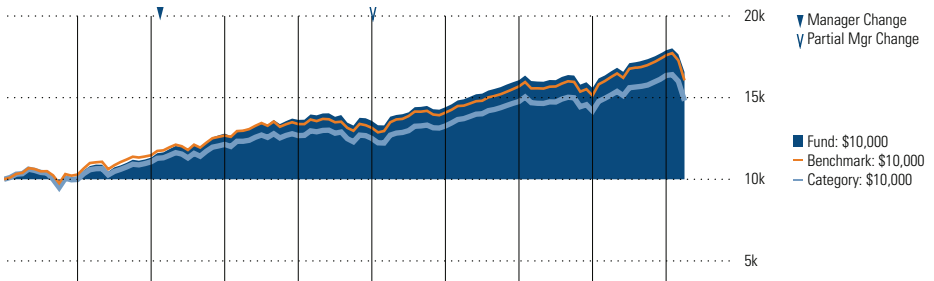
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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.

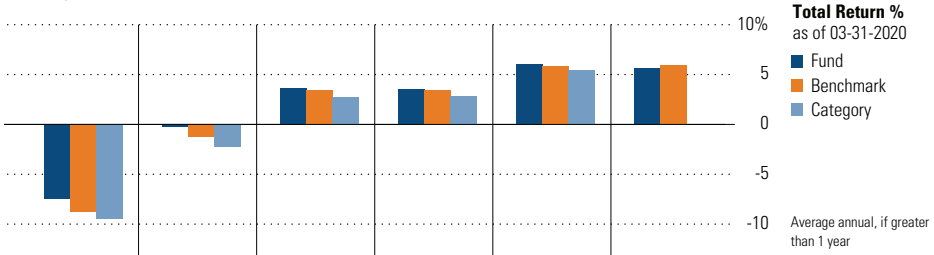
Growth of $10,000



Performance Quartile (Within Category)

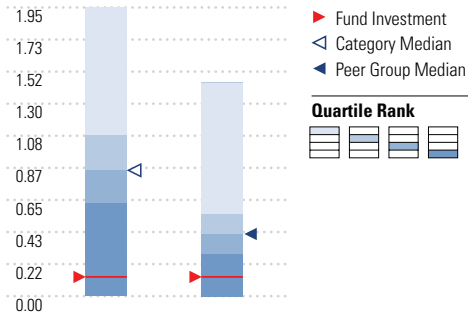
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
1.71	11.37	13.00	6.56	-0.46	6.16	11.50	-2.97	14.81	-7.44	Total Return %
-1.19	-0.12	2.50	1.01	1.27	-0.94	0.11	0.57	-1.48	1.31	+/- Benchmark
1.98	0.72	3.35	2.08	0.88	0.04	0.21	0.89	-0.64	2.04	+/- Category
19	34	21	3	11	56	44	20	69	16	Tot Ret % Rank in Cat
47	48	54	59	71	88	97	111	126	132	# of Funds in Cat
27	13	26	10	16	9	7	7	10	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-7.44	-0.22	3.61	3.55	6.03	5.66	Fund Return %
-8.75	-1.23	3.44	3.44	5.83	5.94	Benchmark Return %
-9.48	-2.27	2.78	2.89	5.43	–	Category Average %
16	16	22	9	19	–	% Rank in Category
132	129	99	74	47	–	# of Funds in Category

Net Expense



	Fund vs. Category	Fund vs. Peer Group	
	5	13	Percentile
	7/132	25/199	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	0.54	–	-0.93
Beta	0.88	–	1.01
R-Squared	99.41	–	97.35
Standard Deviation	6.11	6.90	7.05
Sharpe Ratio	0.33	0.27	0.15
Tracking Error	0.93	–	1.35
Information Ratio	0.18	–	-0.71
Up Capture Ratio	92.70	–	93.00
Down Capture Ratio	86.94	–	102.79

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	14.47	14.15
Price/Book Ratio	1.61	1.65	1.68
Avg Eff Duration	5.89	8.22	5.17

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MORNINGSTAR

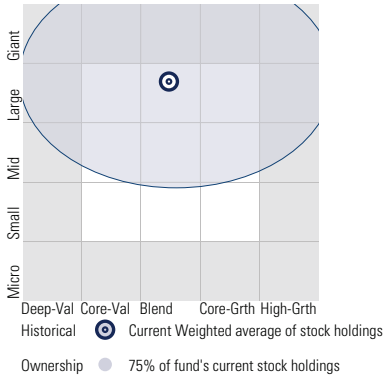
Vanguard Target Retirement 2015 Inv VTXVX

Morningstar Category
Target-Date 2015

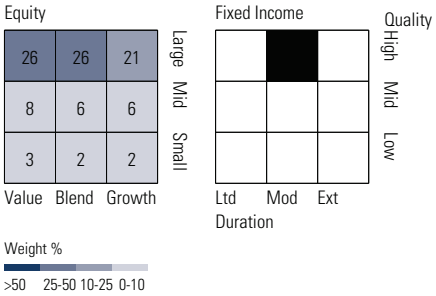
Morningstar Index
Morningstar Lifetime Mod 2015 TR USD

Style Analysis as of 03-31-2020

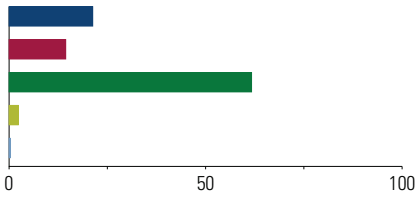
Morningstar Style Box™



Style Breakdown



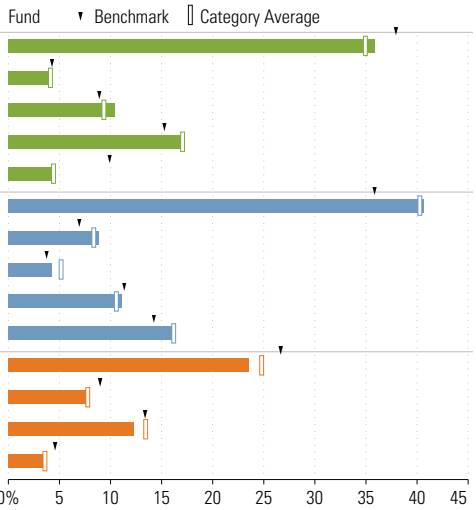
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	21.27	25.55
Non-US Stocks	14.40	14.57
Bonds	61.69	50.74
Cash	2.33	5.64
Other	0.30	3.49
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.84**	**37.79**	**34.94**
Basic Materials	4.27	4.13	4.12
Consumer Cyclical	10.40	8.76	9.35
Financial Services	16.87	15.13	17.05
Real Estate	4.30	9.77	4.42
Sensitive	**40.64**	**35.70**	**40.27**
Communication Services	8.89	6.80	8.36
Energy	4.27	3.60	5.16
Industrials	11.11	11.20	10.57
Technology	16.37	14.10	16.18
Defensive	**23.51**	**26.51**	**24.79**
Consumer Defensive	7.76	8.84	7.77
Healthcare	12.32	13.24	13.44
Utilities	3.43	4.43	3.58



Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	–	35.06	35.06	–	–
⊕ Vanguard Total Stock Mkt Idx Inv	–	21.65	56.71	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	14.98	71.69	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	14.54	86.23	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	–	13.67	99.89	–	–
⊕ Cmt Market Liquidity Rate	–	0.11	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

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 7.11 years.

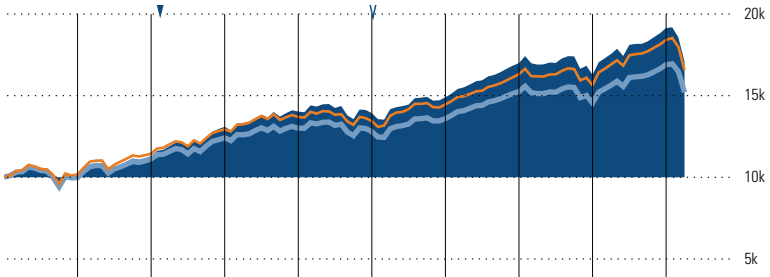
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.13 is 82.43% lower than the Target-Date 2020 category average.

Morningstar Investment Management LLC Analysis

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

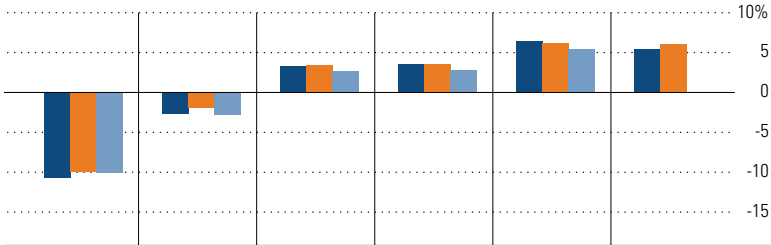
Growth of $10,000



2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
0.60	12.35	15.85	7.11	-0.68	6.95	14.08	-4.24	17.63	-10.76	Total Return %
-1.15	-0.18	2.87	1.24	1.20	-0.71	1.29	-0.08	-0.10	-0.78	+/- Benchmark
0.82	0.67	4.28	2.39	0.89	0.72	1.62	0.25	1.49	-0.72	+/- Category
32	36	18	1	23	29	17	42	28	58	Tot Ret % Rank in Cat
98	111	123	134	153	171	195	214	230	237	# of Funds in Cat
23	8	17	7	25	15	9	10	13	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

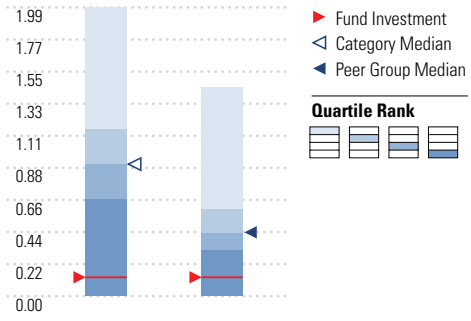
Performance Quartile (Within Category)

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-10.76	-2.64	3.28	3.58	6.39	5.48	Fund Return %
-9.98	-1.99	3.48	3.58	6.22	6.05	Benchmark Return %
-10.04	-2.82	2.65	2.84	5.46	–	Category Average %
58	41	22	11	9	–	% Rank in Category
237	233	198	156	94	–	# of Funds in Category

Net Expense



3	9	Percentile
8/237	27/300	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	-0.30	–	-0.81
Beta	1.04	–	0.94
R-Squared	98.99	–	95.73
Standard Deviation	8.04	7.72	7.38
Sharpe Ratio	0.23	0.26	0.12
Tracking Error	0.85	–	1.75
Information Ratio	-0.23	–	-0.67
Up Capture Ratio	102.83	–	88.03
Down Capture Ratio	106.41	–	95.97

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.39	14.99
Price/Book Ratio	1.61	1.64	1.81
Avg Eff Duration	6.15	9.28	5.23

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MORNINGSTAR

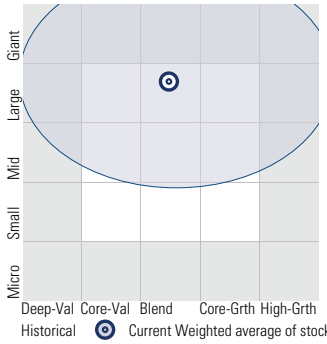
Vanguard Target Retirement 2020 Inv VTWNX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 03-31-2020

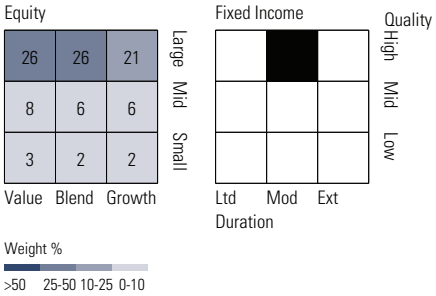
Morningstar Style Box™



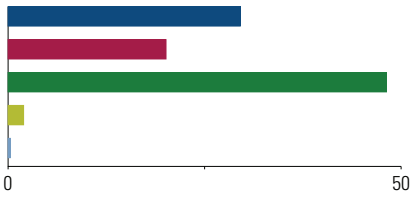
Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



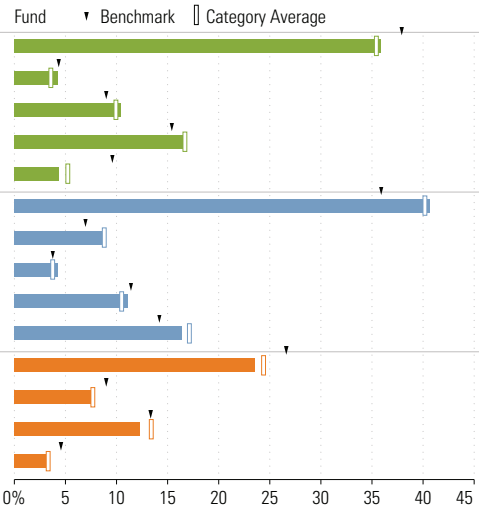
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	29.54	28.56
Non-US Stocks	20.09	13.10
Bonds	48.14	47.35
Cash	1.97	4.39
Other	0.27	6.60
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.89**	**37.77**	**35.43**
Basic Materials	4.29	4.20	3.57
Consumer Cyclical	10.41	8.85	9.94
Financial Services	16.88	15.27	16.69
Real Estate	4.31	9.45	5.23
Sensitive	**40.63**	**35.76**	**40.18**
Communication Services	8.87	6.82	8.80
Energy	4.29	3.62	3.75
Industrials	11.12	11.27	10.50
Technology	16.35	14.05	17.13
Defensive	**23.49**	**26.47**	**24.39**
Consumer Defensive	7.76	8.85	7.68
Healthcare	12.31	13.20	13.40
Utilities	3.42	4.42	3.31



Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	30.06	30.06	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	29.55	59.60	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	20.29	79.89	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	12.52	92.41	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	–	7.47	99.88	–	–
⊕ Cmt Market Liquidity Rate	–	0.12	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

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 7.11 years.

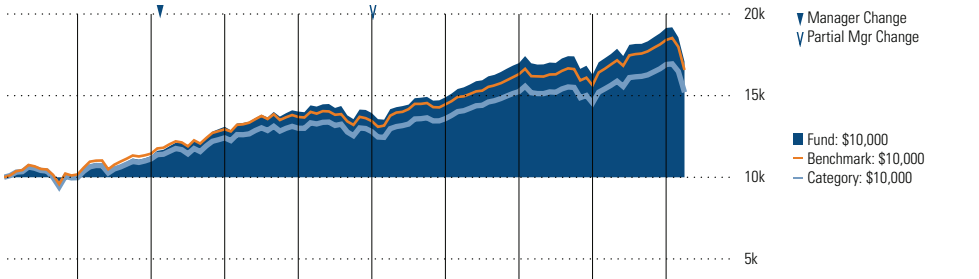
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.13 is 82.43% lower than the Target-Date 2020 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



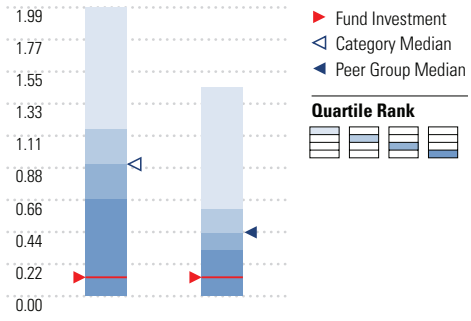
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
0.60	12.35	15.85	7.11	-0.68	6.95	14.08	-4.24	17.63	-10.76	Total Return %
-1.15	-0.18	2.87	1.24	1.20	-0.71	1.29	-0.08	-0.10	-0.78	+/- Benchmark
0.82	0.67	4.28	2.39	0.89	0.72	1.62	0.25	1.49	-0.72	+/- Category
32	36	18	1	23	29	17	42	28	58	Tot Ret % Rank in Cat
98	111	123	134	153	171	195	214	230	237	# of Funds in Cat
23	8	17	7	25	15	9	10	13	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-10.76	-2.64	3.28	3.58	6.39	5.48	Fund Return %
-9.98	-1.99	3.48	3.58	6.22	6.05	Benchmark Return %
-10.04	-2.82	2.65	2.84	5.46	–	Category Average %
58	41	22	11	9	–	% Rank in Category
237	233	198	156	94	–	# of Funds in Category

Net Expense



3	9	Percentile
8/237	27/300	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	-0.30	–	-0.81
Beta	1.04	–	0.94
R-Squared	98.99	–	95.73
Standard Deviation	8.04	7.72	7.38
Sharpe Ratio	0.23	0.26	0.12
Tracking Error	0.85	–	1.75
Information Ratio	-0.23	–	-0.67
Up Capture Ratio	102.83	–	88.03
Down Capture Ratio	106.41	–	95.97

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.39	14.99
Price/Book Ratio	1.61	1.64	1.81
Avg Eff Duration	6.15	9.28	5.23

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MORNINGSTAR

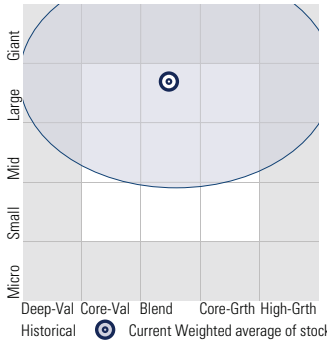
Vanguard Target Retirement 2020 Inv VTWNX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 03-31-2020

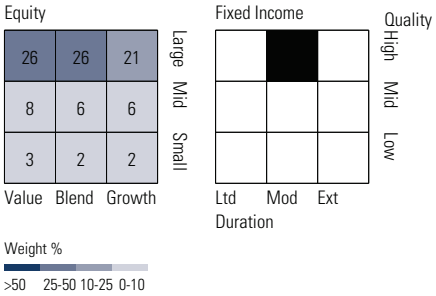
Morningstar Style Box™



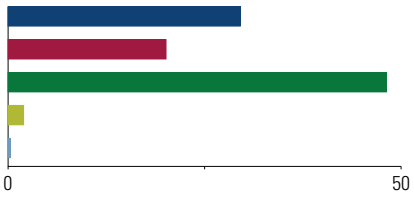
Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



Asset Allocation as of 03-31-2020



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Sector Weighting as of 03-31-2020

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Basic Materials	4.29	4.20	3.57
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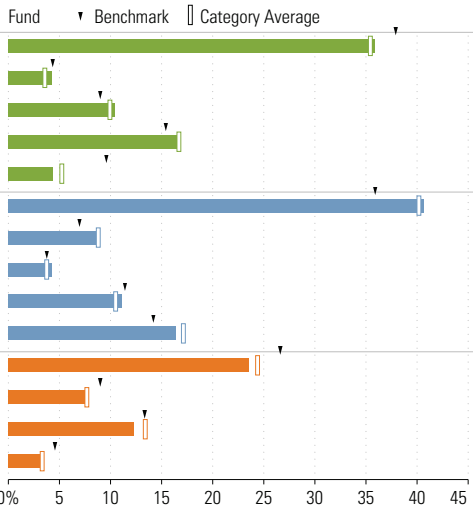

Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	30.06	30.06	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	29.55	59.60	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	20.29	79.89	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	12.52	92.41	–	–
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⊕ Cmt Market Liquidity Rate	–	0.12	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

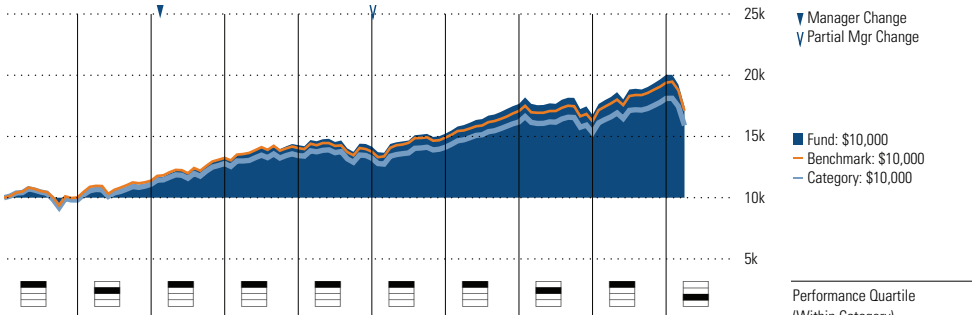
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



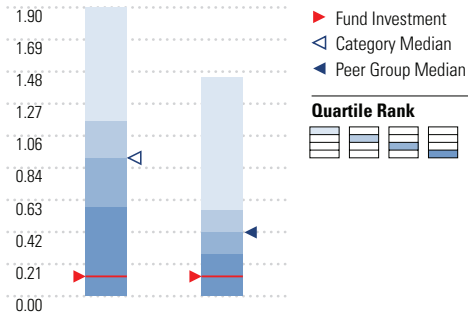
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-0.37	13.29	18.14	7.17	-0.85	7.48	15.94	-5.15	19.63	-12.95	Total Return %
-0.61	-0.38	1.86	1.13	1.21	-0.91	1.40	-0.25	0.27	-1.09	+/- Benchmark
1.69	0.26	2.84	2.10	0.74	0.75	1.27	0.19	1.38	-0.76	+/- Category
16	43	24	4	24	23	21	42	22	58	Tot Ret % Rank in Cat
93	103	127	134	157	177	196	213	232	240	# of Funds in Cat
23	9	16	7	24	15	10	8	11	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-12.95	-4.31	3.07	3.60	6.65	5.97	Fund Return %
-11.86	-3.44	3.33	3.66	6.61	6.17	Benchmark Return %
-12.19	-4.31	2.54	2.91	5.86	–	Category Average %
58	43	24	13	12	–	% Rank in Category
240	235	199	160	84	–	# of Funds in Category

Net Expense



4	11	Percentile
9/240	35/321	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	-0.43	–	-0.89
Beta	1.06	–	1.00
R-Squared	99.21	–	97.87
Standard Deviation	9.43	8.84	8.91
Sharpe Ratio	0.18	0.22	0.12
Tracking Error	1.00	–	1.56
Information Ratio	-0.26	–	-0.66
Up Capture Ratio	105.58	–	94.97
Down Capture Ratio	110.08	–	103.01

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.31	15.14
Price/Book Ratio	1.61	1.62	1.80
Avg Eff Duration	6.77	10.12	5.54

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MORNINGSTAR

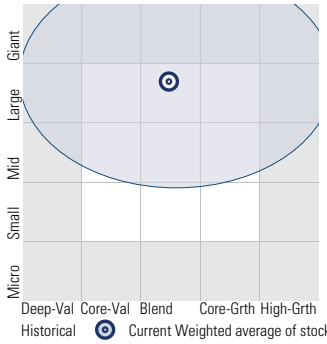
Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 03-31-2020

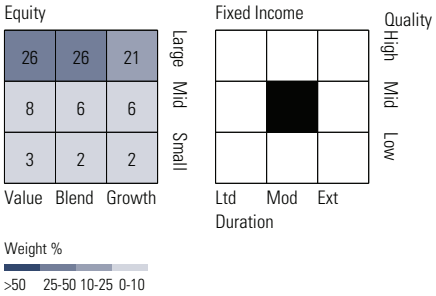
Morningstar Style Box™



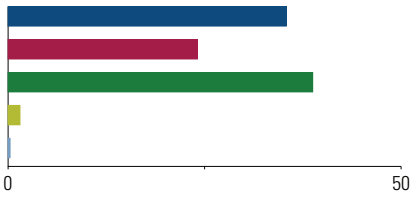
Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



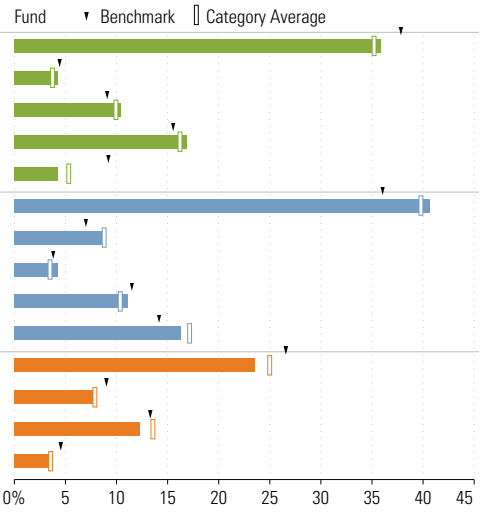
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	35.39	33.37
Non-US Stocks	24.09	16.97
Bonds	38.75	37.55
Cash	1.51	3.45
Other	0.25	8.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.88**	**37.69**	**35.21**
Basic Materials	4.28	4.29	3.74
Consumer Cyclical	10.42	8.94	9.94
Financial Services	16.88	15.40	16.21
Real Estate	4.30	9.06	5.32
Sensitive	**40.62**	**35.90**	**39.79**
Communication Services	8.89	6.86	8.79
Energy	4.28	3.66	3.49
Industrials	11.11	11.36	10.36
Technology	16.34	14.02	17.15
Defensive	**23.49**	**26.43**	**24.99**
Consumer Defensive	7.76	8.87	7.88
Healthcare	12.31	13.16	13.56
Utilities	3.42	4.40	3.55



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	36.01	36.01	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	27.79	63.80	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	24.33	88.13	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	11.75	99.89	–	–
⊕ Cmt Market Liquidity Rate	–	0.11	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

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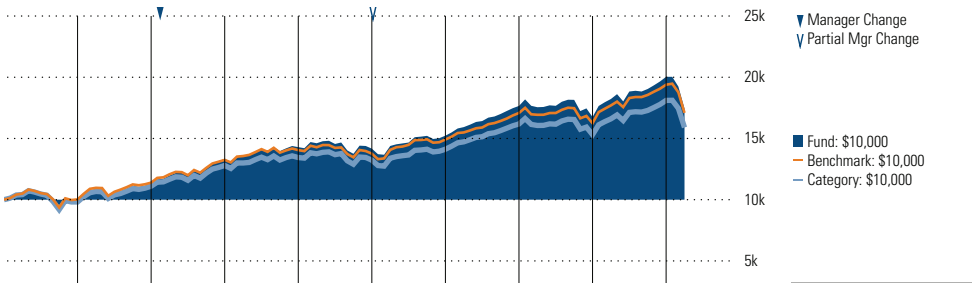


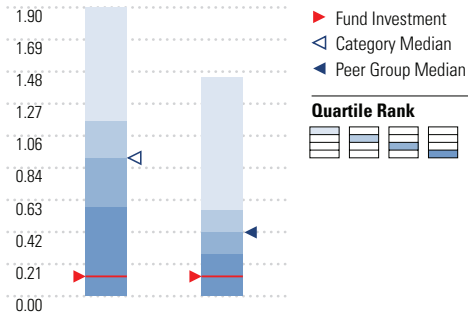
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-0.37	13.29	18.14	7.17	-0.85	7.48	15.94	-5.15	19.63	-12.95	Total Return %
-0.61	-0.38	1.86	1.13	1.21	-0.91	1.40	-0.25	0.27	-1.09	+/- Benchmark
1.69	0.26	2.84	2.10	0.74	0.75	1.27	0.19	1.38	-0.76	+/- Category
16	43	24	4	24	23	21	42	22	58	Tot Ret % Rank in Cat
93	103	127	134	157	177	196	213	232	240	# of Funds in Cat
23	9	16	7	24	15	10	8	11	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-12.95	-4.31	3.07	3.60	6.65	5.97	Fund Return %
-11.86	-3.44	3.33	3.66	6.61	6.17	Benchmark Return %
-12.19	-4.31	2.54	2.91	5.86	–	Category Average %
58	43	24	13	12	–	% Rank in Category
240	235	199	160	84	–	# of Funds in Category

Net Expense



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	Fund	Bmark	Cat
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Standard Deviation	9.43	8.84	8.91
Sharpe Ratio	0.18	0.22	0.12
Tracking Error	1.00	–	1.56
Information Ratio	-0.26	–	-0.66
Up Capture Ratio	105.58	–	94.97
Down Capture Ratio	110.08	–	103.01

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.31	15.14
Price/Book Ratio	1.61	1.62	1.80
Avg Eff Duration	6.77	10.12	5.54

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MORNINGSTAR

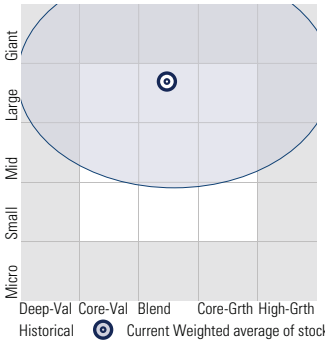
Vanguard Target Retirement 2025 Inv VTTVX

Morningstar Category
Target-Date 2025

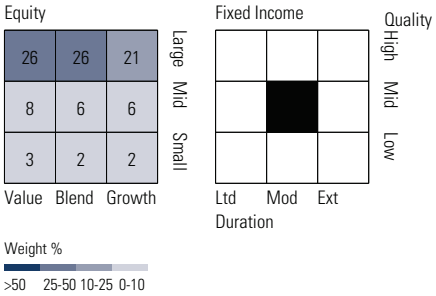
Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 03-31-2020

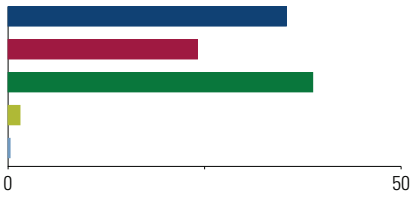
Morningstar Style Box™



Style Breakdown



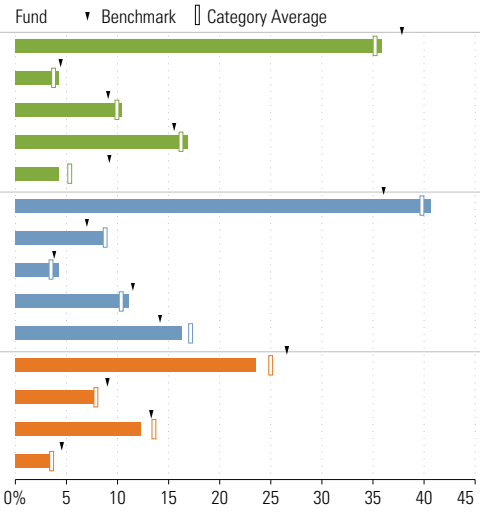
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	35.39	33.37
Non-US Stocks	24.09	16.97
Bonds	38.75	37.55
Cash	1.51	3.45
Other	0.25	8.66
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.88**	**37.69**	**35.21**
Basic Materials	4.28	4.29	3.74
Consumer Cyclical	10.42	8.94	9.94
Financial Services	16.88	15.40	16.21
Real Estate	4.30	9.06	5.32
Sensitive	**40.62**	**35.90**	**39.79**
Communication Services	8.89	6.86	8.79
Energy	4.28	3.66	3.49
Industrials	11.11	11.36	10.36
Technology	16.34	14.02	17.15
Defensive	**23.49**	**26.43**	**24.99**
Consumer Defensive	7.76	8.87	7.88
Healthcare	12.31	13.16	13.56
Utilities	3.42	4.40	3.55



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	36.01	36.01	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	27.79	63.80	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	24.33	88.13	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	11.75	99.89	–	–
⊕ Cmt Market Liquidity Rate	–	0.11	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2030 Inv VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

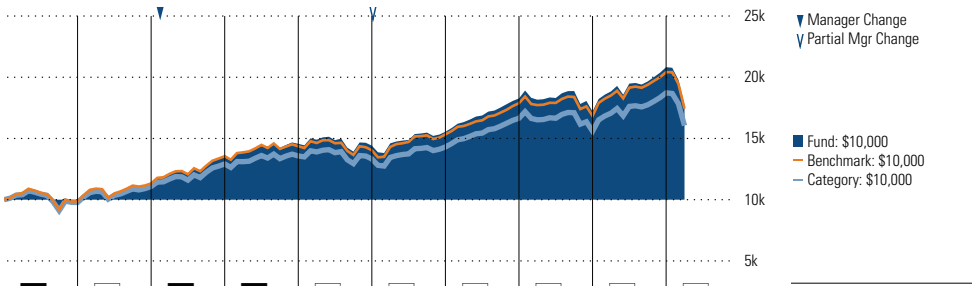
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 81.58% lower than the Target-Date 2030 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



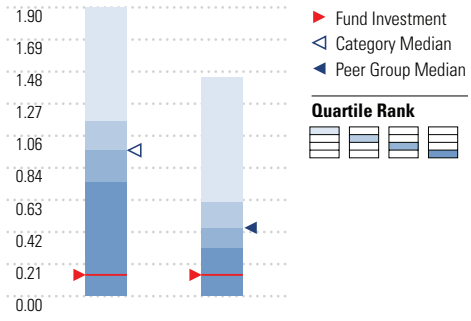
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-1.27	14.24	20.49	7.17	-1.03	7.85	17.52	-5.86	21.07	-14.76	Total Return %
-0.04	-0.44	0.85	1.16	1.27	-1.41	0.93	-0.04	-0.17	-0.18	+/- Benchmark
0.99	0.65	3.84	2.13	0.76	0.52	0.95	0.39	1.00	-0.50	+/- Category
22	38	25	5	31	32	34	37	32	48	Tot Ret % Rank in Cat
102	118	131	142	164	182	206	224	241	251	# of Funds in Cat
–	4	14	7	24	16	9	9	8	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-14.76	-5.78	2.80	3.56	6.87	5.55	Fund Return %
-14.58	-5.79	2.87	3.57	6.87	6.26	Benchmark Return %
-14.26	-5.98	2.30	2.93	6.03	–	Category Average %
48	40	27	19	17	–	% Rank in Category
251	244	209	167	96	–	# of Funds in Category

Net Expense



4	10	Percentile
9/251	30/306	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	-0.10	–	-0.67
Beta	1.02	–	0.98
R-Squared	99.52	–	97.56
Standard Deviation	10.57	10.38	10.29
Sharpe Ratio	0.15	0.16	0.09
Tracking Error	0.75	–	1.67
Information Ratio	-0.09	–	-0.50
Up Capture Ratio	103.21	–	96.29
Down Capture Ratio	104.50	–	101.86

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.21	15.01
Price/Book Ratio	1.61	1.61	1.78
Avg Eff Duration	6.77	10.74	5.64

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MORNINGSTAR

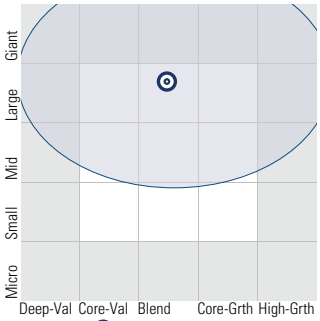
Vanguard Target Retirement 2030 Inv VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity

26	26	21
8	6	6
3	2	2

Large Mid Small

Value Blend Growth

Fixed Income

Quality

	■	

High Mid Low

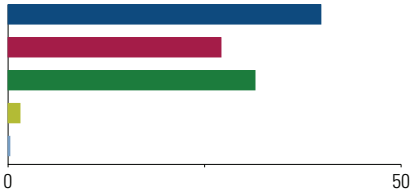
Ltd Mod Ext

Duration

Weight %

>50 25-50 10-25 0-10

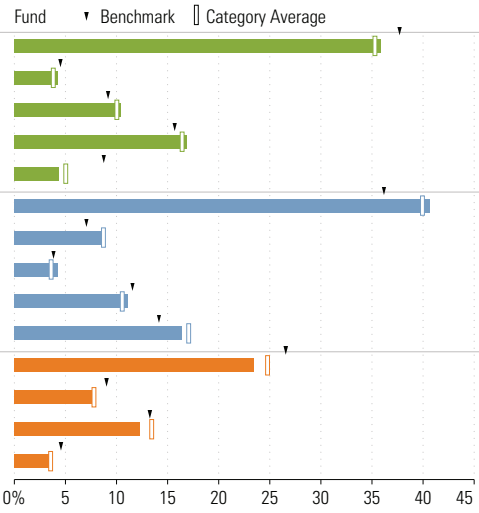
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	39.79	39.62
Non-US Stocks	27.08	20.98
Bonds	31.41	28.38
Cash	1.51	3.13
Other	0.22	7.87
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.89**	**37.56**	**35.29**
Basic Materials	4.29	4.37	3.81
Consumer Cyclical	10.41	9.03	10.03
Financial Services	16.88	15.55	16.42
Real Estate	4.31	8.61	5.03
Sensitive	**40.64**	**36.03**	**39.94**
Communication Services	8.88	6.91	8.72
Energy	4.29	3.69	3.60
Industrials	11.12	11.42	10.56
Technology	16.35	14.01	17.06
Defensive	**23.48**	**26.42**	**24.78**
Consumer Defensive	7.76	8.88	7.79
Healthcare	12.30	13.12	13.44
Utilities	3.42	4.42	3.55



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	40.49	40.49	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	27.35	67.84	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	22.53	90.37	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	9.51	99.88	–	–
⊕ Cmt Market Liquidity Rate	–	0.12	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2030 Inv VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

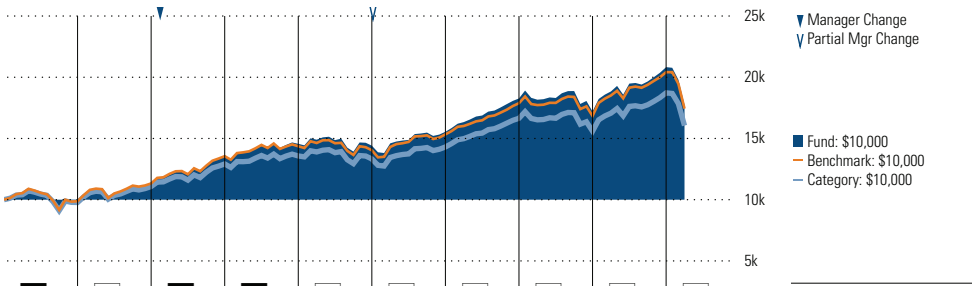
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 81.58% lower than the Target-Date 2030 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



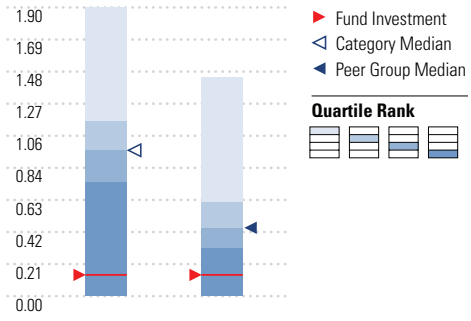
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-1.27	14.24	20.49	7.17	-1.03	7.85	17.52	-5.86	21.07	-14.76	Total Return %
-0.04	-0.44	0.85	1.16	1.27	-1.41	0.93	-0.04	-0.17	-0.18	+/- Benchmark
0.99	0.65	3.84	2.13	0.76	0.52	0.95	0.39	1.00	-0.50	+/- Category
22	38	25	5	31	32	34	37	32	48	Tot Ret % Rank in Cat
102	118	131	142	164	182	206	224	241	251	# of Funds in Cat
–	4	14	7	24	16	9	9	8	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-14.76	-5.78	2.80	3.56	6.87	5.55	Fund Return %
-14.58	-5.79	2.87	3.57	6.87	6.26	Benchmark Return %
-14.26	-5.98	2.30	2.93	6.03	–	Category Average %
48	40	27	19	17	–	% Rank in Category
251	244	209	167	96	–	# of Funds in Category

Net Expense



4	10	Percentile
9/251	30/306	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	-0.10	–	-0.67
Beta	1.02	–	0.98
R-Squared	99.52	–	97.56
Standard Deviation	10.57	10.38	10.29
Sharpe Ratio	0.15	0.16	0.09
Tracking Error	0.75	–	1.67
Information Ratio	-0.09	–	-0.50
Up Capture Ratio	103.21	–	96.29
Down Capture Ratio	104.50	–	101.86

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.21	15.01
Price/Book Ratio	1.61	1.61	1.78
Avg Eff Duration	6.77	10.74	5.64

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MORNINGSTAR

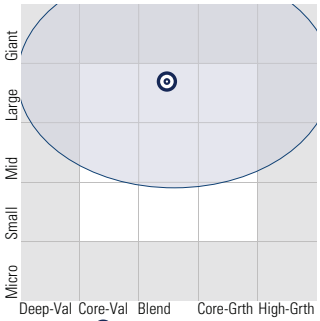
Vanguard Target Retirement 2030 Inv VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity

26	26	21
8	6	6
3	2	2

Large Mid Small

Value Blend Growth

Fixed Income

Quality

	■	

High Mid Low

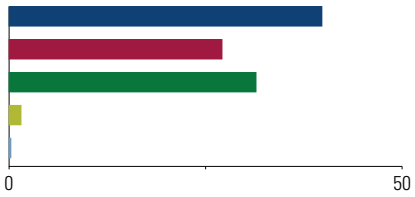
Ltd Mod Ext

Duration

Weight %

>50 25-50 10-25 0-10

Asset Allocation as of 03-31-2020



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Non-US Stocks	27.08	20.98
Bonds	31.41	28.38
Cash	1.51	3.13
Other	0.22	7.87
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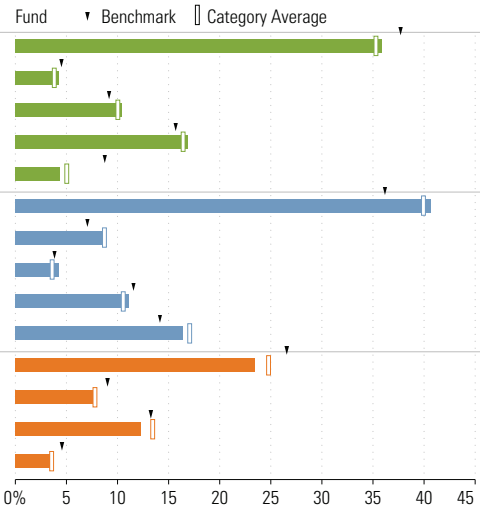
Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.89**	**37.56**	**35.29**
Basic Materials	4.29	4.37	3.81
Consumer Cyclical	10.41	9.03	10.03
Financial Services	16.88	15.55	16.42
Real Estate	4.31	8.61	5.03
Sensitive	**40.64**	**36.03**	**39.94**
Communication Services	8.88	6.91	8.72
Energy	4.29	3.69	3.60
Industrials	11.12	11.42	10.56
Technology	16.35	14.01	17.06
Defensive	**23.48**	**26.42**	**24.78**
Consumer Defensive	7.76	8.88	7.79
Healthcare	12.30	13.12	13.44
Utilities	3.42	4.42	3.55



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	40.49	40.49	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	27.35	67.84	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	22.53	90.37	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	9.51	99.88	–	–
⊕ Cmt Market Liquidity Rate	–	0.12	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2035 Inv VTTHX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

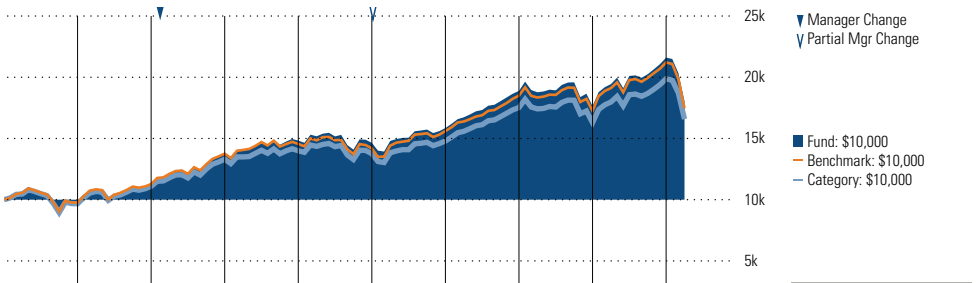
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 81.33% lower than the Target-Date 2035 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



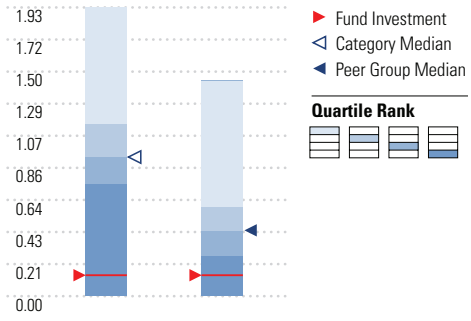
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.24	15.16	22.82	7.24	-1.26	8.26	19.12	-6.58	22.44	-16.52	Total Return %
0.04	-0.20	0.79	1.44	1.32	-1.81	0.60	0.24	-0.60	1.20	+/- Benchmark
1.27	0.52	2.82	2.00	0.50	0.69	0.69	0.46	0.40	0.04	+/- Category
19	40	23	10	37	32	35	32	42	46	Tot Ret % Rank in Cat
90	100	124	131	154	174	193	210	229	233	# of Funds in Cat
18	6	12	6	23	14	9	8	7	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-16.52	-7.25	2.53	3.51	7.07	6.33	Fund Return %
-17.72	-8.69	2.12	3.29	6.91	6.28	Benchmark Return %
-16.56	-7.75	2.01	2.86	6.30	–	Category Average %
46	35	23	16	15	–	% Rank in Category
233	232	196	157	81	–	# of Funds in Category

Net Expense



4	12	Percentile
9/233	37/313	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	0.46	–	-0.19
Beta	0.97	–	0.97
R-Squared	99.61	–	98.72
Standard Deviation	11.69	12.09	11.83
Sharpe Ratio	0.12	0.09	0.07
Tracking Error	0.84	–	1.55
Information Ratio	0.50	–	-0.26
Up Capture Ratio	99.79	–	97.15
Down Capture Ratio	96.87	–	98.53

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.13	14.95
Price/Book Ratio	1.61	1.59	1.77
Avg Eff Duration	6.77	10.92	5.76

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MORNINGSTAR

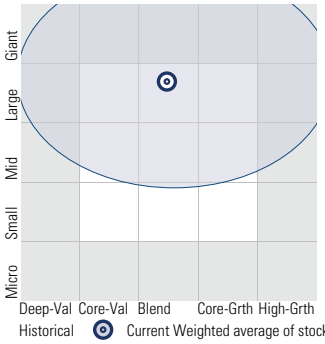
Vanguard Target Retirement 2035 Inv VTTHX

Morningstar Category
Target-Date 2035

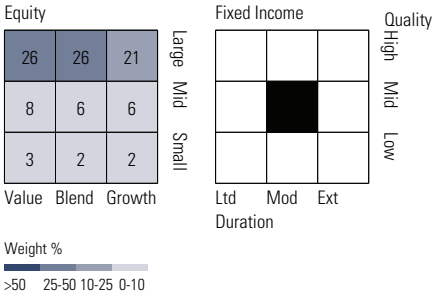
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 03-31-2020

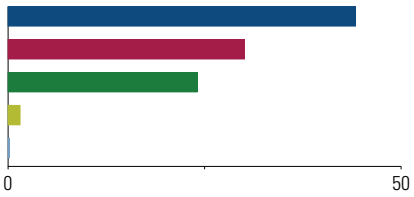
Morningstar Style Box™



Style Breakdown



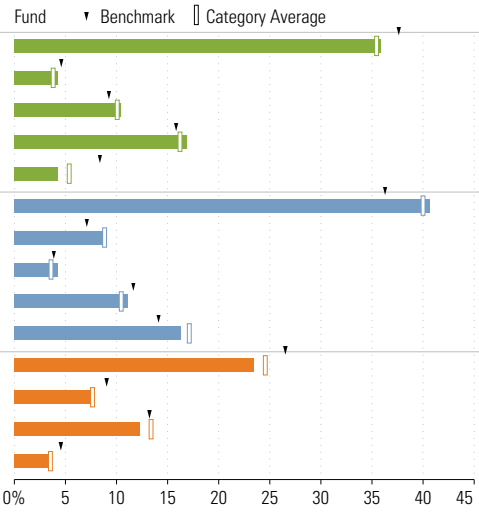
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	44.20	44.84
Non-US Stocks	30.06	24.61
Bonds	24.05	19.04
Cash	1.52	3.03
Other	0.18	8.48
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**37.48**	**35.45**
Basic Materials	4.29	4.45	3.80
Consumer Cyclical	10.41	9.11	10.07
Financial Services	16.87	15.69	16.21
Real Estate	4.29	8.23	5.37
Sensitive	**40.64**	**36.14**	**40.00**
Communication Services	8.89	6.95	8.83
Energy	4.29	3.72	3.59
Industrials	11.12	11.50	10.46
Technology	16.34	13.97	17.12
Defensive	**23.48**	**26.38**	**24.56**
Consumer Defensive	7.75	8.89	7.65
Healthcare	12.30	13.08	13.38
Utilities	3.43	4.41	3.53



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	44.97	44.97	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	30.36	75.33	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	17.29	92.62	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	7.25	99.87	–	–
⊕ Cmt Market Liquidity Rate	–	0.13	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2035 Inv VTTHX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

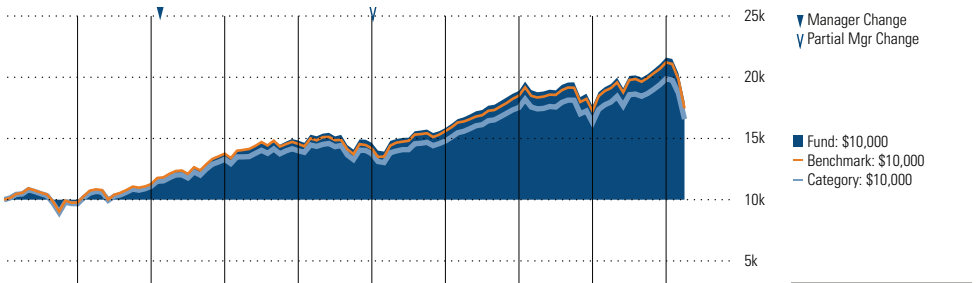
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 81.33% lower than the Target-Date 2035 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



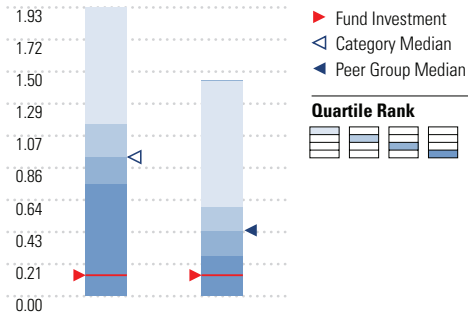
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.24	15.16	22.82	7.24	-1.26	8.26	19.12	-6.58	22.44	-16.52	Total Return %
0.04	-0.20	0.79	1.44	1.32	-1.81	0.60	0.24	-0.60	1.20	+/- Benchmark
1.27	0.52	2.82	2.00	0.50	0.69	0.69	0.46	0.40	0.04	+/- Category
19	40	23	10	37	32	35	32	42	46	Tot Ret % Rank in Cat
90	100	124	131	154	174	193	210	229	233	# of Funds in Cat
18	6	12	6	23	14	9	8	7	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-16.52	-7.25	2.53	3.51	7.07	6.33	Fund Return %
-17.72	-8.69	2.12	3.29	6.91	6.28	Benchmark Return %
-16.56	-7.75	2.01	2.86	6.30	–	Category Average %
46	35	23	16	15	–	% Rank in Category
233	232	196	157	81	–	# of Funds in Category

Net Expense



4	12	Percentile
9/233	37/313	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	0.46	–	-0.19
Beta	0.97	–	0.97
R-Squared	99.61	–	98.72
Standard Deviation	11.69	12.09	11.83
Sharpe Ratio	0.12	0.09	0.07
Tracking Error	0.84	–	1.55
Information Ratio	0.50	–	-0.26
Up Capture Ratio	99.79	–	97.15
Down Capture Ratio	96.87	–	98.53

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	14.13	14.95
Price/Book Ratio	1.61	1.59	1.77
Avg Eff Duration	6.77	10.92	5.76

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MORNINGSTAR

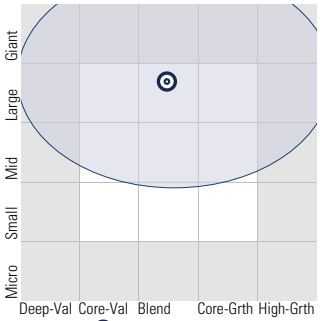
Vanguard Target Retirement 2035 Inv VTTHX

Morningstar Category
Target-Date 2035

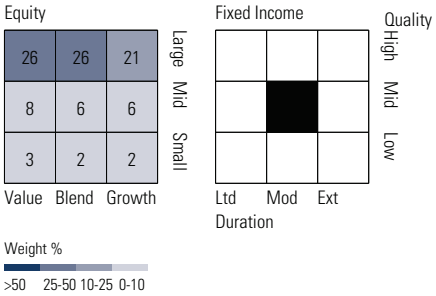
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 03-31-2020

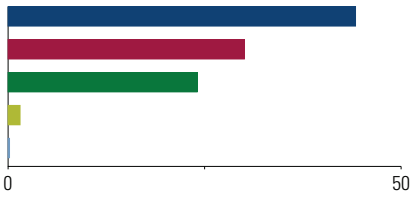
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	44.20	44.84
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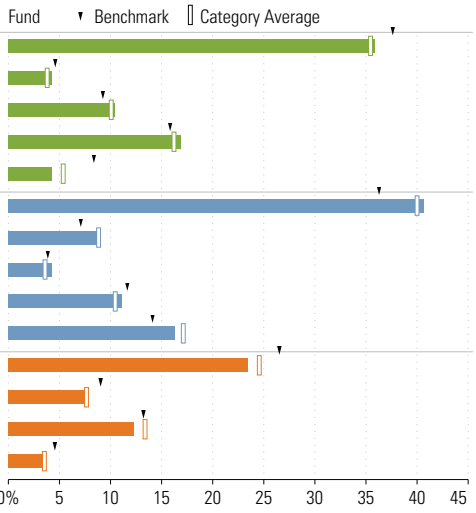
Bonds	24.05	19.04
Cash	1.52	3.03
Other	0.18	8.48
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**37.48**	**35.45**
Basic Materials	4.29	4.45	3.80
Consumer Cyclical	10.41	9.11	10.07
Financial Services	16.87	15.69	16.21
Real Estate	4.29	8.23	5.37
Sensitive	**40.64**	**36.14**	**40.00**
Communication Services	8.89	6.95	8.83
Energy	4.29	3.72	3.59
Industrials	11.12	11.50	10.46
Technology	16.34	13.97	17.12
Defensive	**23.48**	**26.38**	**24.56**
Consumer Defensive	7.75	8.89	7.65
Healthcare	12.30	13.08	13.38
Utilities	3.43	4.41	3.53



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	44.97	44.97	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	30.36	75.33	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	17.29	92.62	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	7.25	99.87	–	–
⊕ Cmt Market Liquidity Rate	–	0.13	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2040 Inv VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

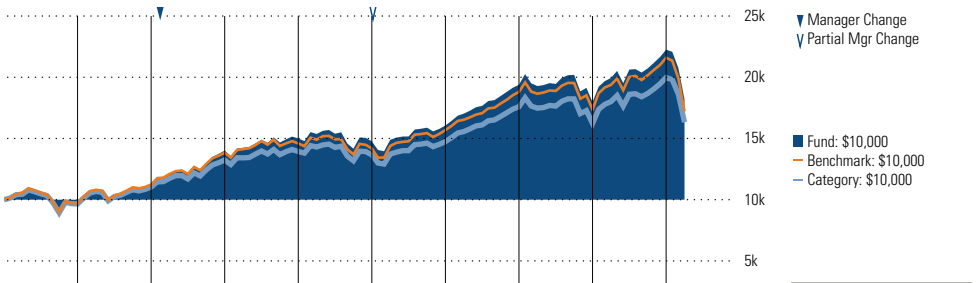
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 82.05% lower than the Target-Date 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



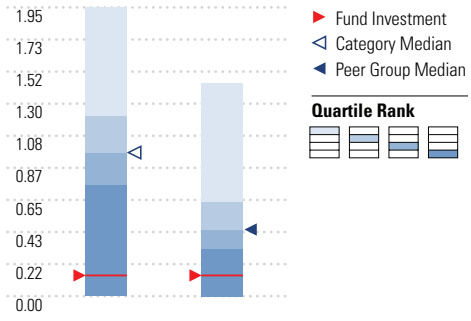
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.55	15.56	24.37	7.15	-1.59	8.73	20.71	-7.32	23.86	-18.25	Total Return %
0.30	-0.15	1.32	1.64	1.24	-1.88	0.84	0.33	-0.49	2.04	+/- Benchmark
0.94	0.92	4.40	1.90	0.40	0.78	1.19	0.42	0.67	0.02	+/- Category
19	31	15	12	43	27	25	37	43	41	Tot Ret % Rank in Cat
102	118	131	142	164	182	206	224	241	245	# of Funds in Cat
15	3	9	6	21	16	8	8	5	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-18.25	-8.74	2.23	3.43	7.18	5.67	Fund Return %
-20.29	-11.16	1.36	2.93	6.78	6.26	Benchmark Return %
-18.27	-9.31	1.59	2.70	6.25	–	Category Average %
41	34	24	17	15	–	% Rank in Category
245	244	209	167	96	–	# of Funds in Category

Net Expense



4	11	Percentile
9/245	32/299	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	0.88	–	0.13
Beta	0.95	–	0.94
R-Squared	99.54	–	97.91
Standard Deviation	12.83	13.47	12.73
Sharpe Ratio	0.10	0.04	0.04
Tracking Error	1.10	–	1.85
Information Ratio	0.79	–	-0.01
Up Capture Ratio	99.64	–	94.72
Down Capture Ratio	94.34	–	93.91

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.30	15.03
Price/Book Ratio	1.61	1.46	1.77
Avg Eff Duration	6.77	11.09	5.80

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MORNINGSTAR

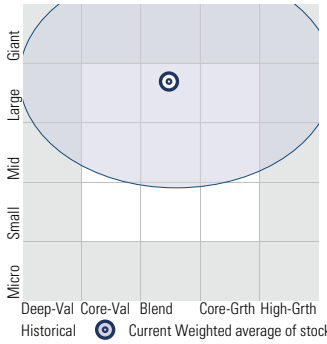
Vanguard Target Retirement 2040 Inv VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 03-31-2020

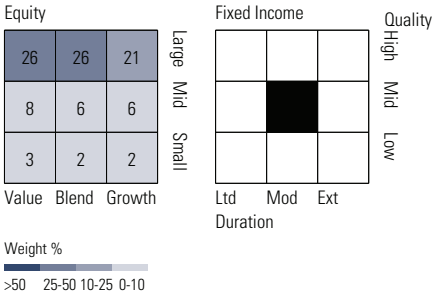
Morningstar Style Box™



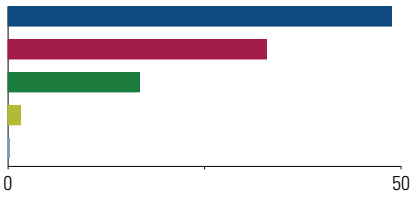
Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



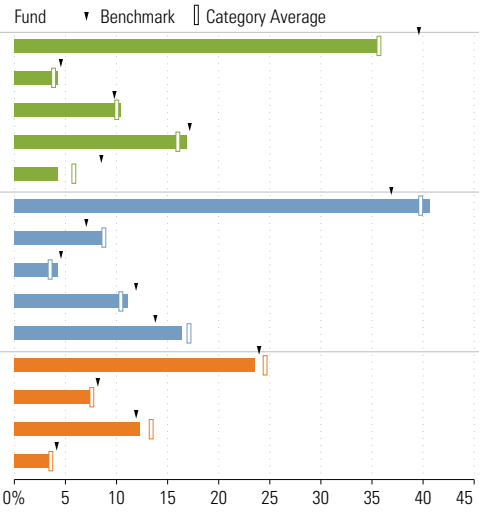
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	48.77	49.73
Non-US Stocks	32.85	27.58
Bonds	16.68	12.16
Cash	1.55	2.86
Other	0.14	7.67
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**39.45**	**35.68**
Basic Materials	4.28	4.41	3.84
Consumer Cyclical	10.41	9.65	10.02
Financial Services	16.87	17.02	16.00
Real Estate	4.30	8.37	5.82
Sensitive	**40.66**	**36.75**	**39.77**
Communication Services	8.88	6.90	8.76
Energy	4.29	4.42	3.50
Industrials	11.11	11.77	10.42
Technology	16.38	13.66	17.09
Defensive	**23.50**	**23.81**	**24.54**
Consumer Defensive	7.75	8.03	7.58
Healthcare	12.32	11.78	13.39
Utilities	3.43	4.00	3.57



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	49.63	49.63	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	33.18	82.81	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	12.04	94.85	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	4.99	99.84	–	–
⊕ Cmt Market Liquidity Rate	–	0.16	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2040 Inv VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

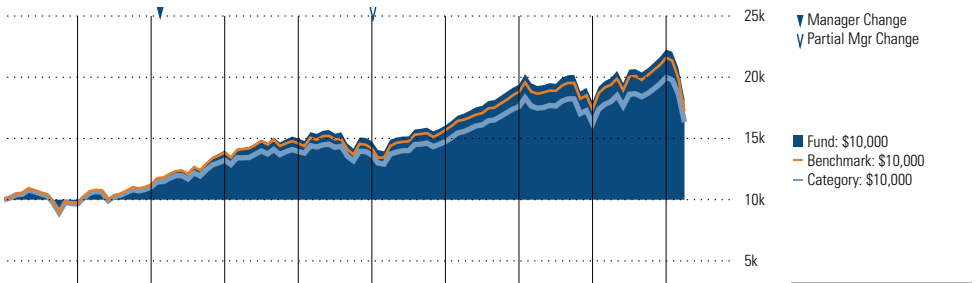
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.14 is 82.05% lower than the Target-Date 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



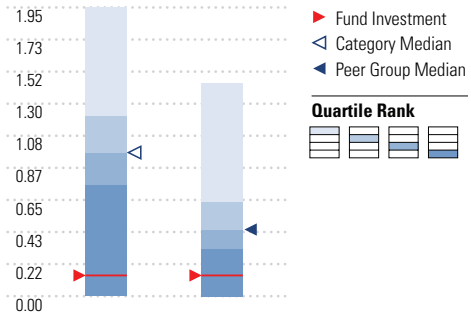
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.55	15.56	24.37	7.15	-1.59	8.73	20.71	-7.32	23.86	-18.25	Total Return %
0.30	-0.15	1.32	1.64	1.24	-1.88	0.84	0.33	-0.49	2.04	+/- Benchmark
0.94	0.92	4.40	1.90	0.40	0.78	1.19	0.42	0.67	0.02	+/- Category
19	31	15	12	43	27	25	37	43	41	Tot Ret % Rank in Cat
102	118	131	142	164	182	206	224	241	245	# of Funds in Cat
15	3	9	6	21	16	8	8	5	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-18.25	-8.74	2.23	3.43	7.18	5.67	Fund Return %
-20.29	-11.16	1.36	2.93	6.78	6.26	Benchmark Return %
-18.27	-9.31	1.59	2.70	6.25	–	Category Average %
41	34	24	17	15	–	% Rank in Category
245	244	209	167	96	–	# of Funds in Category

Net Expense



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3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.88	–	0.13
Beta	0.95	–	0.94
R-Squared	99.54	–	97.91
Standard Deviation	12.83	13.47	12.73
Sharpe Ratio	0.10	0.04	0.04
Tracking Error	1.10	–	1.85
Information Ratio	0.79	–	-0.01
Up Capture Ratio	99.64	–	94.72
Down Capture Ratio	94.34	–	93.91

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.30	15.03
Price/Book Ratio	1.61	1.46	1.77
Avg Eff Duration	6.77	11.09	5.80

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MORNINGSTAR

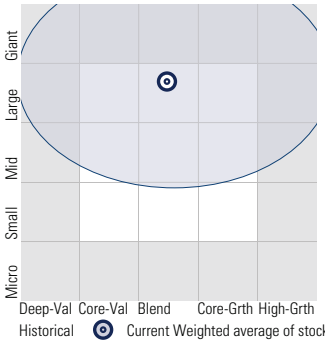
Vanguard Target Retirement 2040 Inv VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity

Large	26	26	21
Mid	8	6	6
Small	3	2	2
	Value	Blend	Growth

Fixed Income

High			
Mid		■	
Low			
	Ltd	Mod	Ext

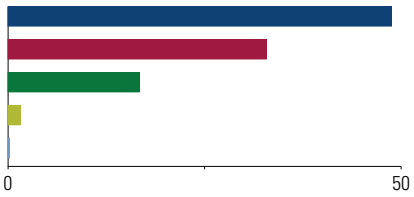
Duration

Quality

Weight %

>50 25-50 10-25 0-10

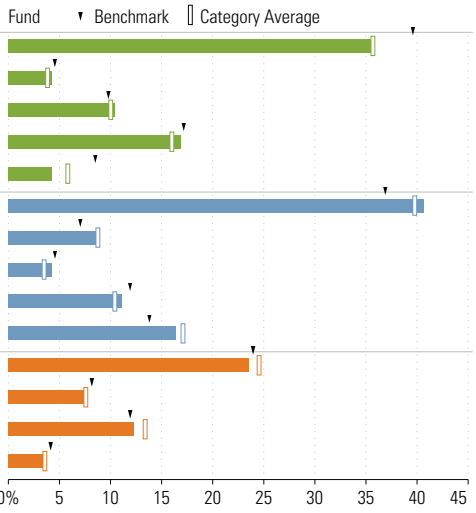
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	48.77	49.73
Non-US Stocks	32.85	27.58
Bonds	16.68	12.16
Cash	1.55	2.86
Other	0.14	7.67
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**39.45**	**35.68**
Basic Materials	4.28	4.41	3.84
Consumer Cyclical	10.41	9.65	10.02
Financial Services	16.87	17.02	16.00
Real Estate	4.30	8.37	5.82
Sensitive	**40.66**	**36.75**	**39.77**
Communication Services	8.88	6.90	8.76
Energy	4.29	4.42	3.50
Industrials	11.11	11.77	10.42
Technology	16.38	13.66	17.09
Defensive	**23.50**	**23.81**	**24.54**
Consumer Defensive	7.75	8.03	7.58
Healthcare	12.32	11.78	13.39
Utilities	3.43	4.00	3.57



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	49.63	49.63	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	33.18	82.81	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	12.04	94.85	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	4.99	99.84	–	–
⊕ Cmt Market Liquidity Rate	–	0.16	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2045 Inv VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

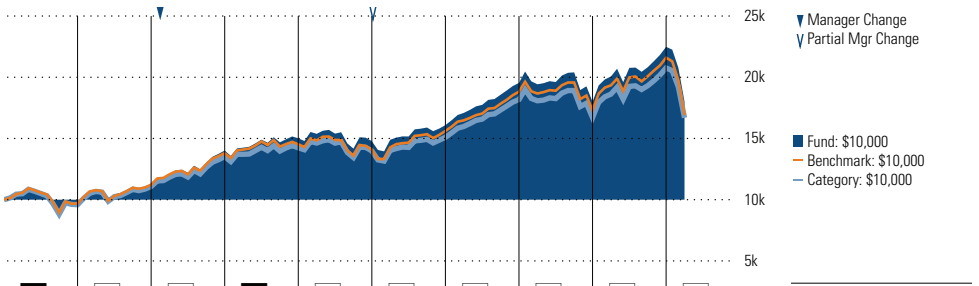
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80.26% lower than the Target-Date 2045 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



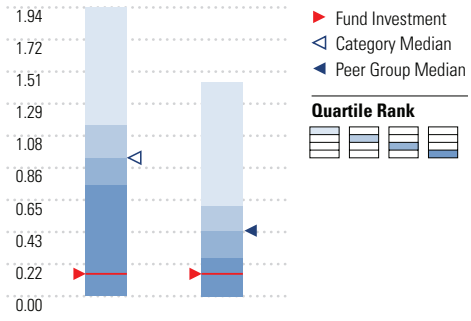
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.51	15.58	24.37	7.16	-1.57	8.87	21.42	-7.90	24.94	-19.88	Total Return %
0.68	-0.26	1.30	1.91	1.46	-1.97	0.89	0.27	-0.03	1.88	+/- Benchmark
1.59	0.27	2.37	1.81	0.30	0.94	0.91	0.24	0.59	-0.28	+/- Category
14	43	26	12	42	28	26	43	43	45	Tot Ret % Rank in Cat
89	99	123	131	154	174	193	210	229	233	# of Funds in Cat
16	7	10	7	20	13	8	7	4	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.88	-10.21	1.77	3.21	7.07	6.52	Fund Return %
-21.76	-12.64	0.84	2.63	6.58	6.22	Benchmark Return %
-19.60	-10.36	1.37	2.62	6.35	–	Category Average %
45	37	33	20	16	–	% Rank in Category
233	232	196	157	80	–	# of Funds in Category

Net Expense



4	12	Percentile
10/233	37/313	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	0.92	–	0.40
Beta	0.96	–	0.95
R-Squared	99.55	–	98.88
Standard Deviation	13.75	14.23	13.62
Sharpe Ratio	0.07	0.01	0.03
Tracking Error	1.05	–	1.63
Information Ratio	0.89	–	0.14
Up Capture Ratio	100.97	–	97.13
Down Capture Ratio	95.69	–	94.80

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	14.00	15.20
Price/Book Ratio	1.61	1.56	1.78
Avg Eff Duration	6.77	–	5.86

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MORNINGSTAR

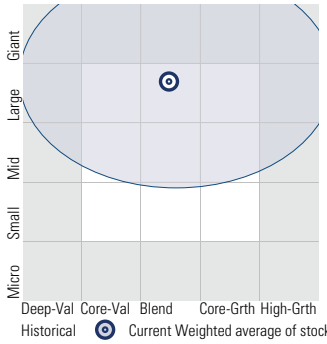
Vanguard Target Retirement 2045 Inv VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

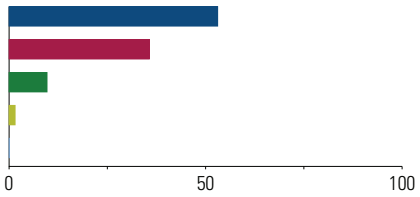
Style Breakdown

Equity				Fixed Income			
	Value	Blend	Growth		Ltd Duration	Mod	Ext
Large	26	26	21	High			
Mid	8	6	6	Mid		■	
Small	3	2	2	Low			

Quality

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

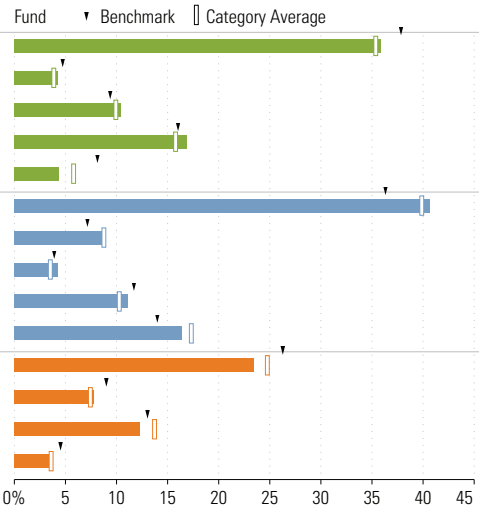
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	53.06	54.57
Non-US Stocks	35.67	31.00
Bonds	9.64	6.76
Cash	1.52	2.38
Other	0.10	5.29
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.85**	**37.70**	**35.37**
Basic Materials	4.27	4.59	3.86
Consumer Cyclical	10.41	9.24	9.93
Financial Services	16.86	15.88	15.78
Real Estate	4.31	7.99	5.80
Sensitive	**40.66**	**36.18**	**39.87**
Communication Services	8.89	7.01	8.76
Energy	4.28	3.76	3.52
Industrials	11.11	11.56	10.27
Technology	16.38	13.85	17.32
Defensive	**23.48**	**26.13**	**24.76**
Consumer Defensive	7.74	8.86	7.44
Healthcare	12.32	12.89	13.72
Utilities	3.42	4.38	3.60



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	54.00	54.00	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.02	90.02	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	6.94	96.96	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.90	99.86	–	–
⊕ Cmt Market Liquidity Rate	–	0.14	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2045 Inv VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

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

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

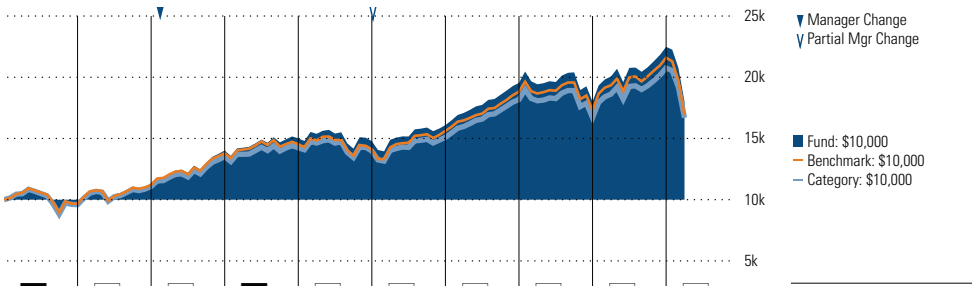
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80.26% lower than the Target-Date 2045 category average.

Morningstar Investment Management LLC Analysis

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

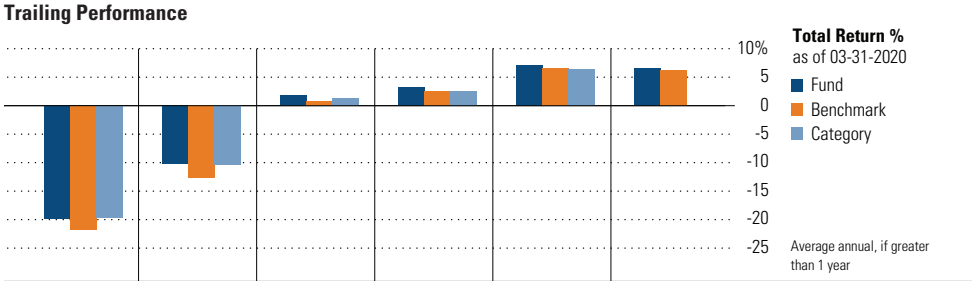
Growth of $10,000



Performance Quartile (Within Category)

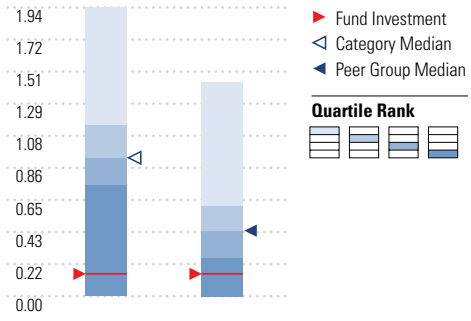
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.51	15.58	24.37	7.16	-1.57	8.87	21.42	-7.90	24.94	-19.88	Total Return %
0.68	-0.26	1.30	1.91	1.46	-1.97	0.89	0.27	-0.03	1.88	+/- Benchmark
1.59	0.27	2.37	1.81	0.30	0.94	0.91	0.24	0.59	-0.28	+/- Category
14	43	26	12	42	28	26	43	43	45	Tot Ret % Rank in Cat
89	99	123	131	154	174	193	210	229	233	# of Funds in Cat
16	7	10	7	20	13	8	7	4	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.88	-10.21	1.77	3.21	7.07	6.52	Fund Return %
-21.76	-12.64	0.84	2.63	6.58	6.22	Benchmark Return %
-19.60	-10.36	1.37	2.62	6.35	–	Category Average %
45	37	33	20	16	–	% Rank in Category
233	232	196	157	80	–	# of Funds in Category

Net Expense



4	12	Percentile
10/233	37/313	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	0.92	–	0.40
Beta	0.96	–	0.95
R-Squared	99.55	–	98.88
Standard Deviation	13.75	14.23	13.62
Sharpe Ratio	0.07	0.01	0.03
Tracking Error	1.05	–	1.63
Information Ratio	0.89	–	0.14
Up Capture Ratio	100.97	–	97.13
Down Capture Ratio	95.69	–	94.80

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	14.00	15.20
Price/Book Ratio	1.61	1.56	1.78
Avg Eff Duration	6.77	–	5.86

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MORNINGSTAR

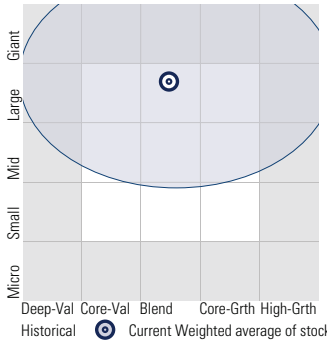
Vanguard Target Retirement 2045 Inv VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

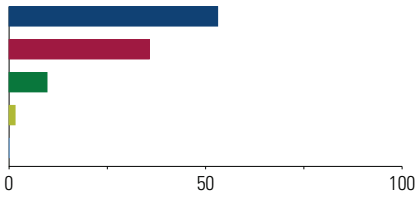
Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity				Fixed Income			
	Value	Blend	Growth		Ltd Duration	Mod	Ext
Large	26	26	21	High			
Mid	8	6	6	Mid		■	
Small	3	2	2	Low			

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

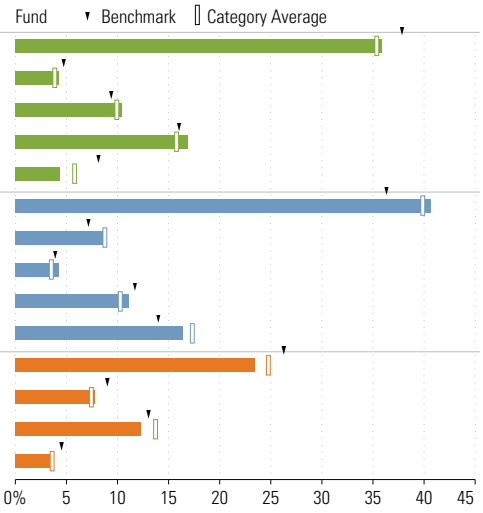
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	53.06	54.57
Non-US Stocks	35.67	31.00
Bonds	9.64	6.76
Cash	1.52	2.38
Other	0.10	5.29
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.85**	**37.70**	**35.37**
Basic Materials	4.27	4.59	3.86
Consumer Cyclical	10.41	9.24	9.93
Financial Services	16.86	15.88	15.78
Real Estate	4.31	7.99	5.80
Sensitive	**40.66**	**36.18**	**39.87**
Communication Services	8.89	7.01	8.76
Energy	4.28	3.76	3.52
Industrials	11.11	11.56	10.27
Technology	16.38	13.85	17.32
Defensive	**23.48**	**26.13**	**24.76**
Consumer Defensive	7.74	8.86	7.44
Healthcare	12.32	12.89	13.72
Utilities	3.42	4.38	3.60



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	54.00	54.00	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.02	90.02	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	6.94	96.96	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.90	99.86	–	–
⊕ Cmt Market Liquidity Rate	–	0.14	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2050 Inv VFIFX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

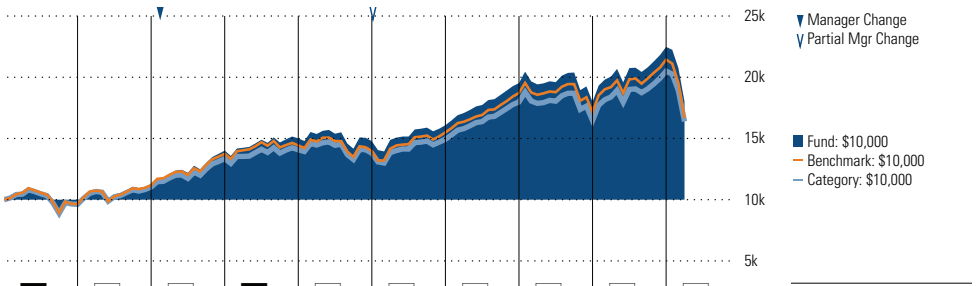
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 81.01% lower than the Target-Date 2050 category average.

Morningstar Investment Management LLC Analysis

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

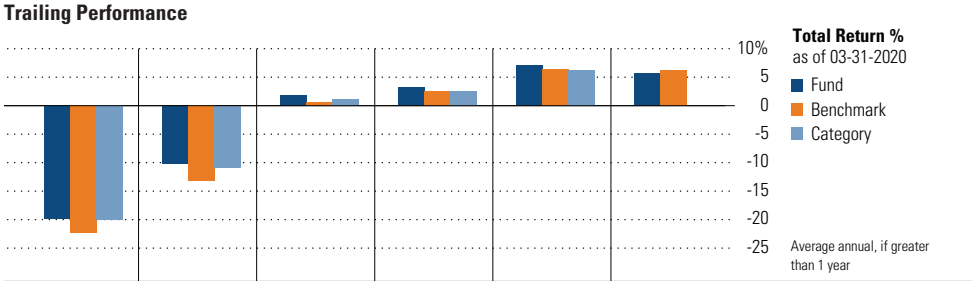
Growth of $10,000



Performance Quartile (Within Category)

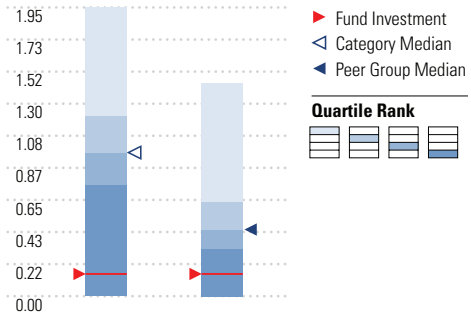
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.54	15.58	24.34	7.18	-1.58	8.85	21.39	-7.90	24.98	-19.86	Total Return %
0.93	-0.36	1.51	2.18	1.61	-2.04	0.61	0.51	-0.11	2.44	+/- Benchmark
1.28	0.51	3.32	1.76	0.43	0.63	0.72	0.51	0.44	0.18	+/- Category
14	44	30	16	45	29	38	37	47	33	Tot Ret % Rank in Cat
91	109	130	142	164	182	206	224	241	245	# of Funds in Cat
15	4	9	7	18	12	6	7	3	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.86	-10.17	1.79	3.23	7.07	5.62	Fund Return %
-22.30	-13.22	0.60	2.47	6.44	6.19	Benchmark Return %
-20.04	-10.82	1.17	2.55	6.29	–	Category Average %
33	24	26	19	19	–	% Rank in Category
245	244	209	167	78	–	# of Funds in Category

Net Expense



4	11	Percentile
10/245	32/297	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	1.15	–	0.46
Beta	0.95	–	0.94
R-Squared	99.47	–	97.94
Standard Deviation	13.75	14.47	13.74
Sharpe Ratio	0.07	-0.01	0.02
Tracking Error	1.26	–	1.88
Information Ratio	0.95	–	0.23
Up Capture Ratio	100.30	–	96.35
Down Capture Ratio	93.70	–	93.71

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.95	15.28
Price/Book Ratio	1.61	1.55	1.77
Avg Eff Duration	6.78	–	5.90

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MORNINGSTAR

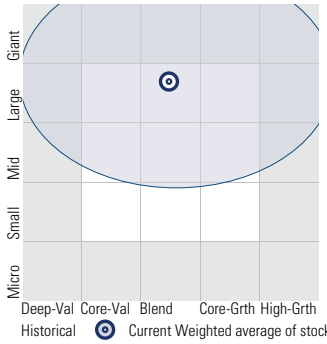
Vanguard Target Retirement 2050 Inv VFIFX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 03-31-2020

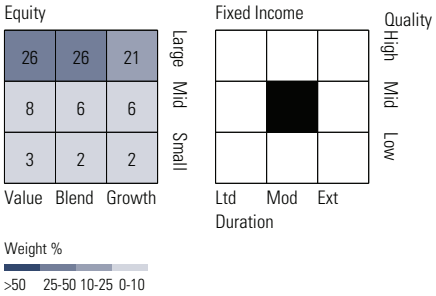
Morningstar Style Box™



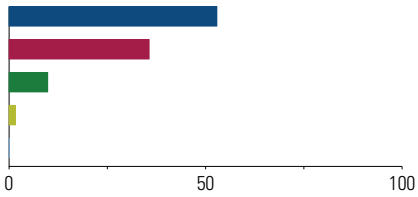
Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



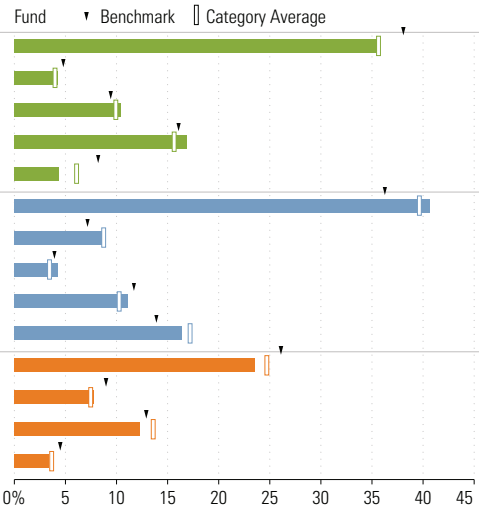
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.85	53.96
Non-US Stocks	35.62	32.23
Bonds	9.81	5.91
Cash	1.61	2.28
Other	0.10	5.62
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.87**	**37.93**	**35.64**
Basic Materials	4.27	4.65	3.98
Consumer Cyclical	10.42	9.29	9.93
Financial Services	16.87	15.93	15.64
Real Estate	4.31	8.06	6.09
Sensitive	**40.65**	**36.12**	**39.64**
Communication Services	8.89	7.02	8.74
Energy	4.28	3.78	3.44
Industrials	11.11	11.56	10.26
Technology	16.37	13.76	17.20
Defensive	**23.49**	**25.95**	**24.71**
Consumer Defensive	7.75	8.83	7.47
Healthcare	12.32	12.77	13.59
Utilities	3.42	4.35	3.65



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.78	53.78	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	35.97	89.75	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.04	96.80	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.97	99.77	–	–
⊕ Cmt Market Liquidity Rate	–	0.23	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2050 Inv VFIFX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

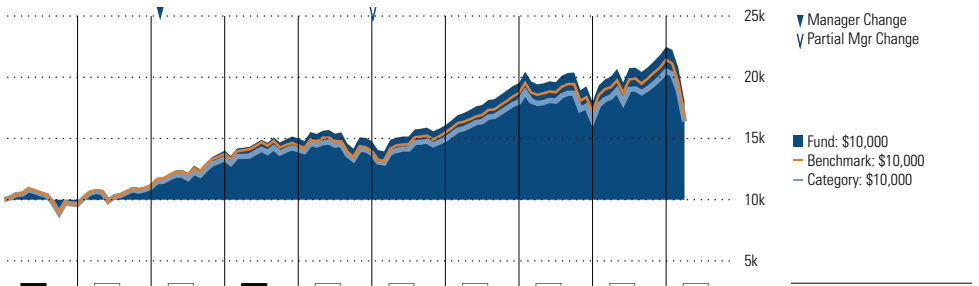
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 81.01% lower than the Target-Date 2050 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



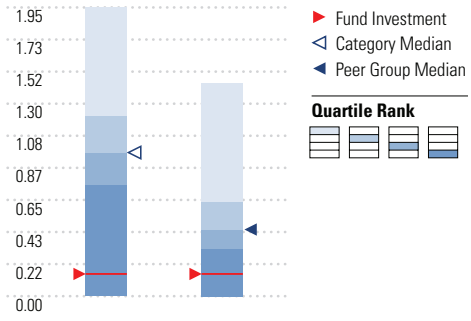
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.54	15.58	24.34	7.18	-1.58	8.85	21.39	-7.90	24.98	-19.86	Total Return %
0.93	-0.36	1.51	2.18	1.61	-2.04	0.61	0.51	-0.11	2.44	+/- Benchmark
1.28	0.51	3.32	1.76	0.43	0.63	0.72	0.51	0.44	0.18	+/- Category
14	44	30	16	45	29	38	37	47	33	Tot Ret % Rank in Cat
91	109	130	142	164	182	206	224	241	245	# of Funds in Cat
15	4	9	7	18	12	6	7	3	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.86	-10.17	1.79	3.23	7.07	5.62	Fund Return %
-22.30	-13.22	0.60	2.47	6.44	6.19	Benchmark Return %
-20.04	-10.82	1.17	2.55	6.29	–	Category Average %
33	24	26	19	19	–	% Rank in Category
245	244	209	167	78	–	# of Funds in Category

Net Expense



4	11	Percentile
10/245	32/297	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	1.15	–	0.46
Beta	0.95	–	0.94
R-Squared	99.47	–	97.94
Standard Deviation	13.75	14.47	13.74
Sharpe Ratio	0.07	-0.01	0.02
Tracking Error	1.26	–	1.88
Information Ratio	0.95	–	0.23
Up Capture Ratio	100.30	–	96.35
Down Capture Ratio	93.70	–	93.71

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.95	15.28
Price/Book Ratio	1.61	1.55	1.77
Avg Eff Duration	6.78	–	5.90

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MORNINGSTAR

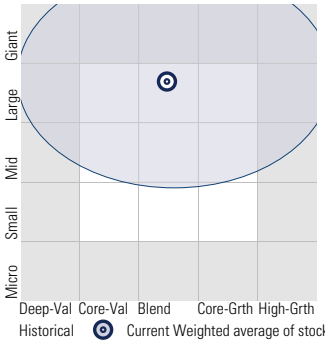
Vanguard Target Retirement 2050 Inv VFIFX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 03-31-2020

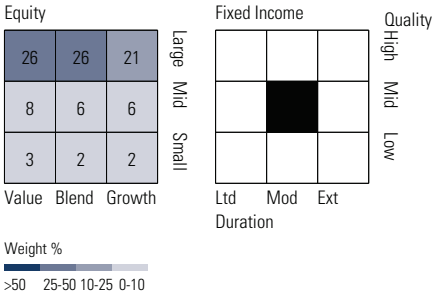
Morningstar Style Box™



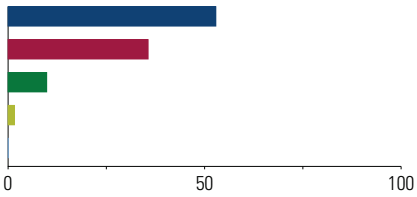
Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



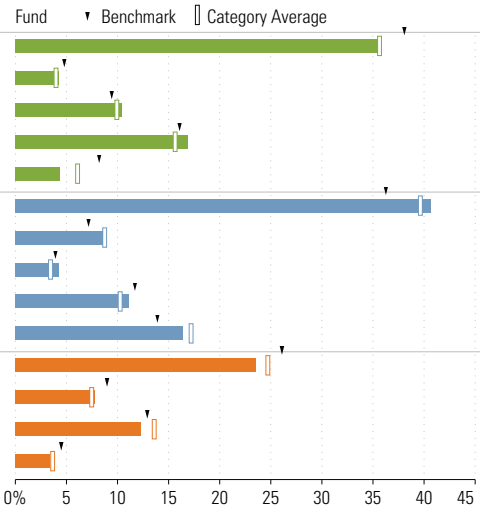
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.85	53.96
Non-US Stocks	35.62	32.23
Bonds	9.81	5.91
Cash	1.61	2.28
Other	0.10	5.62
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.87**	**37.93**	**35.64**
Basic Materials	4.27	4.65	3.98
Consumer Cyclical	10.42	9.29	9.93
Financial Services	16.87	15.93	15.64
Real Estate	4.31	8.06	6.09
Sensitive	**40.65**	**36.12**	**39.64**
Communication Services	8.89	7.02	8.74
Energy	4.28	3.78	3.44
Industrials	11.11	11.56	10.26
Technology	16.37	13.76	17.20
Defensive	**23.49**	**25.95**	**24.71**
Consumer Defensive	7.75	8.83	7.47
Healthcare	12.32	12.77	13.59
Utilities	3.42	4.35	3.65



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.78	53.78	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	35.97	89.75	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.04	96.80	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.97	99.77	–	–
⊕ Cmt Market Liquidity Rate	–	0.23	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

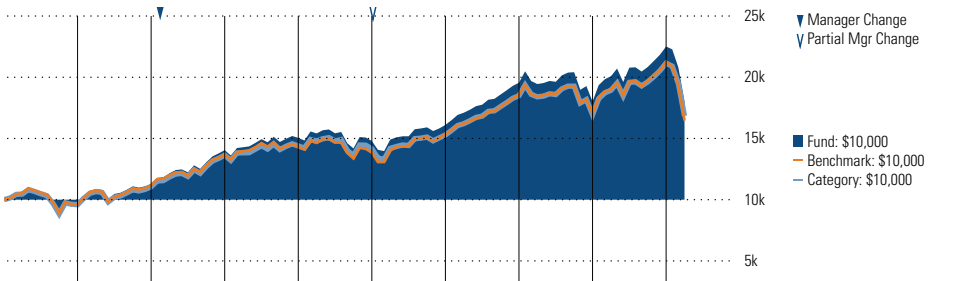
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80.26% lower than the Target-Date 2055 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



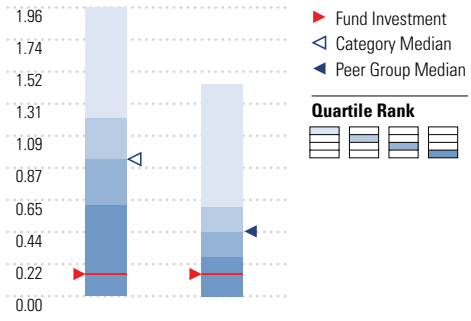
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.27	15.58	24.33	7.19	-1.72	8.88	21.38	-7.89	24.98	-19.89	Total Return %
1.48	-0.42	1.84	2.45	1.62	-2.02	0.43	0.68	-0.07	2.59	+/- Benchmark
1.86	0.06	1.19	1.70	-0.01	0.88	0.30	0.55	0.07	0.48	+/- Category
9	48	36	16	53	27	48	37	51	25	Tot Ret % Rank in Cat
46	75	98	110	149	172	191	210	229	233	# of Funds in Cat
12	3	9	7	18	8	5	5	3	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.89	-10.21	1.78	3.19	–	7.88	Fund Return %
-22.48	-13.45	0.48	2.38	6.31	6.15	Benchmark Return %
-20.37	-11.02	1.19	2.57	6.32	–	Category Average %
25	23	28	21	–	–	% Rank in Category
233	232	194	150	–	–	# of Funds in Category

Net Expense



4	12	Percentile
10/233	37/313	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	1.25	–	0.61
Beta	0.94	–	0.96
R-Squared	99.46	–	98.85
Standard Deviation	13.75	14.55	14.01
Sharpe Ratio	0.07	-0.01	0.03
Tracking Error	1.31	–	1.65
Information Ratio	0.99	–	0.30
Up Capture Ratio	100.07	–	98.65
Down Capture Ratio	92.93	–	95.20

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.22	15.39
Price/Book Ratio	1.61	1.44	1.82
Avg Eff Duration	6.77	–	5.94

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MORNINGSTAR

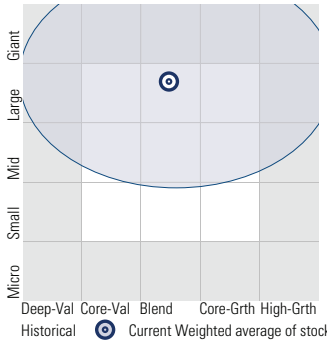
Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity

26	26	21
8	6	6
3	2	2

Large Mid Small

Value Blend Growth

Fixed Income

Quality

	■	

High Mid Low

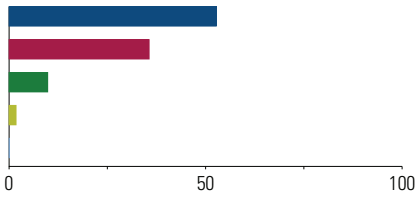
Ltd Mod Ext

Duration

Weight %

>50 25-50 10-25 0-10

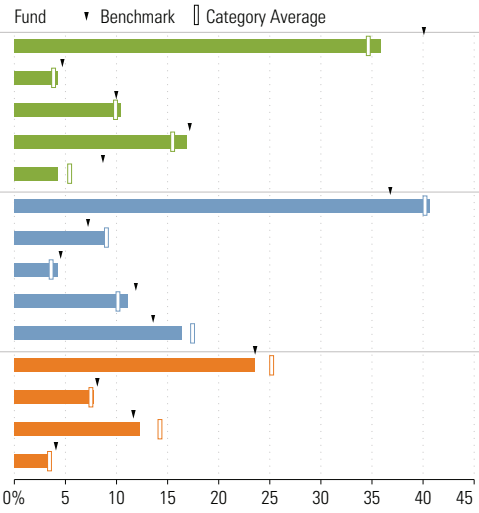
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.70	55.53
Non-US Stocks	35.62	32.63
Bonds	9.81	5.86
Cash	1.76	2.92
Other	0.10	3.07
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**39.94**	**34.64**
Basic Materials	4.28	4.56	3.84
Consumer Cyclical	10.41	9.83	9.90
Financial Services	16.87	17.02	15.49
Real Estate	4.30	8.53	5.41
Sensitive	**40.64**	**36.65**	**40.19**
Communication Services	8.89	7.07	9.01
Energy	4.28	4.39	3.60
Industrials	11.11	11.75	10.14
Technology	16.36	13.44	17.44
Defensive	**23.49**	**23.42**	**25.18**
Consumer Defensive	7.75	7.98	7.49
Healthcare	12.31	11.51	14.25
Utilities	3.43	3.93	3.44



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.63	53.63	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	35.98	89.61	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.07	96.67	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.95	99.62	–	–
⊕ Cmt Market Liquidity Rate	–	0.38	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

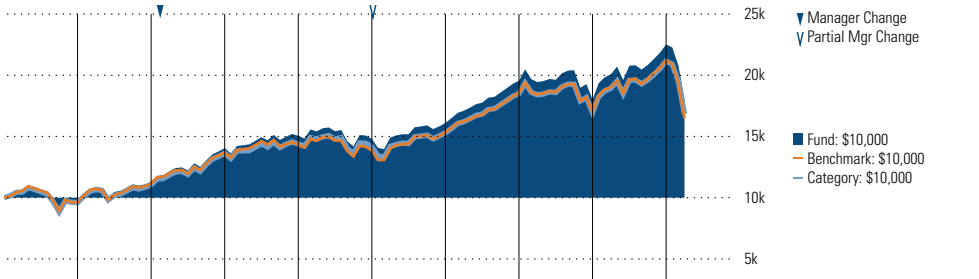
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80.26% lower than the Target-Date 2055 category average.

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



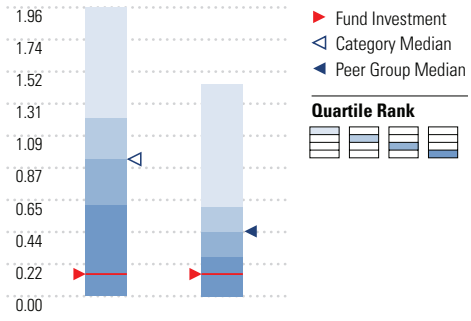
Performance Quartile (Within Category)

2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
-2.27	15.58	24.33	7.19	-1.72	8.88	21.38	-7.89	24.98	-19.89	Total Return %
1.48	-0.42	1.84	2.45	1.62	-2.02	0.43	0.68	-0.07	2.59	+/- Benchmark
1.86	0.06	1.19	1.70	-0.01	0.88	0.30	0.55	0.07	0.48	+/- Category
9	48	36	16	53	27	48	37	51	25	Tot Ret % Rank in Cat
46	75	98	110	149	172	191	210	229	233	# of Funds in Cat
12	3	9	7	18	8	5	5	3	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.89	-10.21	1.78	3.19	–	7.88	Fund Return %
-22.48	-13.45	0.48	2.38	6.31	6.15	Benchmark Return %
-20.37	-11.02	1.19	2.57	6.32	–	Category Average %
25	23	28	21	–	–	% Rank in Category
233	232	194	150	–	–	# of Funds in Category

Net Expense



4	12	Percentile
10/233	37/313	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	1.25	–	0.61
Beta	0.94	–	0.96
R-Squared	99.46	–	98.85
Standard Deviation	13.75	14.55	14.01
Sharpe Ratio	0.07	-0.01	0.03
Tracking Error	1.31	–	1.65
Information Ratio	0.99	–	0.30
Up Capture Ratio	100.07	–	98.65
Down Capture Ratio	92.93	–	95.20

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.18	13.22	15.39
Price/Book Ratio	1.61	1.44	1.82
Avg Eff Duration	6.77	–	5.94

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MORNINGSTAR

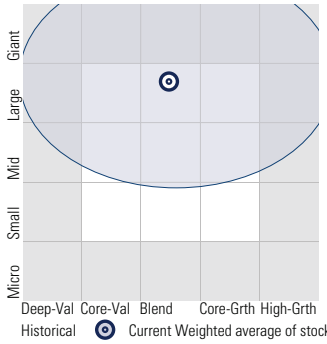
Vanguard Target Retirement 2055 Inv VFFVX

Morningstar Category
Target-Date 2055

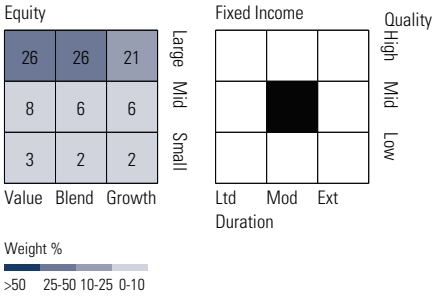
Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 03-31-2020

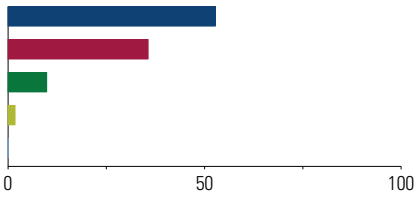
Morningstar Style Box™



Style Breakdown



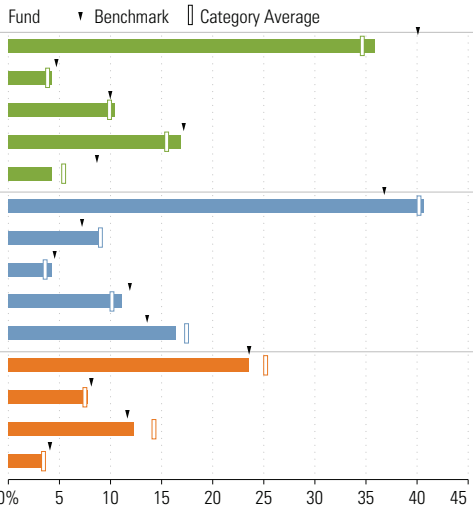
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.70	55.53
Non-US Stocks	35.62	32.63
Bonds	9.81	5.86
Cash	1.76	2.92
Other	0.10	3.07
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.86**	**39.94**	**34.64**
Basic Materials	4.28	4.56	3.84
Consumer Cyclical	10.41	9.83	9.90
Financial Services	16.87	17.02	15.49
Real Estate	4.30	8.53	5.41
Sensitive	**40.64**	**36.65**	**40.19**
Communication Services	8.89	7.07	9.01
Energy	4.28	4.39	3.60
Industrials	11.11	11.75	10.14
Technology	16.36	13.44	17.44
Defensive	**23.49**	**23.42**	**25.18**
Consumer Defensive	7.75	7.98	7.49
Healthcare	12.31	11.51	14.25
Utilities	3.43	3.93	3.44



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.63	53.63	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	35.98	89.61	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.07	96.67	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	2.95	99.62	–	–
⊕ Cmt Market Liquidity Rate	–	0.38	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

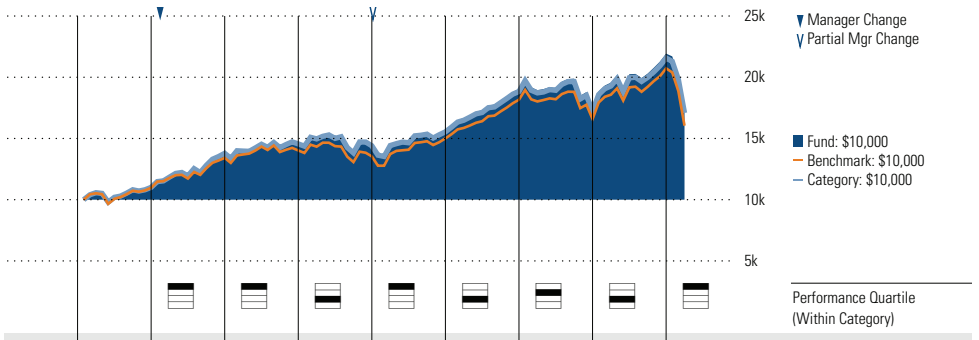
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80% lower than the Target-Date 2060+ category average.

Morningstar Investment Management LLC Analysis

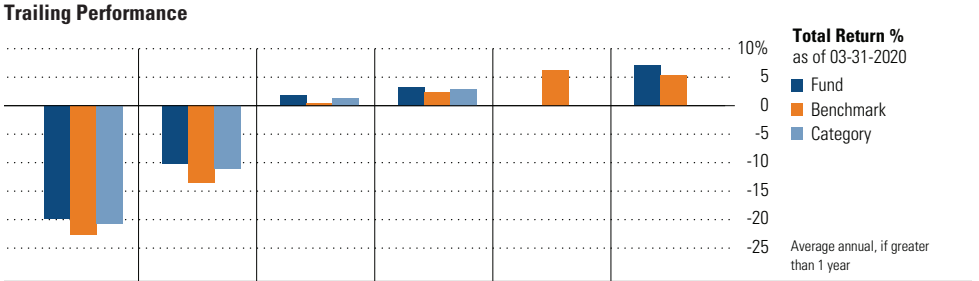
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of $10,000



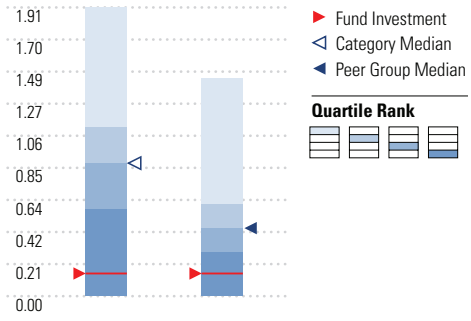
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	24.35	7.16	-1.68	8.84	21.36	-7.87	24.96	-19.86	Total Return %
–	–	2.17	2.63	1.80	-2.04	0.30	0.82	0.00	2.72	+/- Benchmark
–	–	0.00	1.63	-0.51	1.03	0.09	0.65	-0.19	0.85	+/- Category
–	–	1	1	71	21	53	34	66	16	Tot Ret % Rank in Cat
–	–	1	9	34	97	147	192	216	284	# of Funds in Cat
–	40	10	11	21	6	4	3	2	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.86	-10.18	1.79	3.20	–	7.19	Fund Return %
-22.58	-13.61	0.39	2.29	6.21	5.44	Benchmark Return %
-20.71	-11.12	1.31	2.88	–	–	Category Average %
16	21	32	36	–	–	% Rank in Category
284	228	150	54	–	–	# of Funds in Category

Net Expense



6	13	Percentile
17/304	46/355	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	1.35	–	0.85
Beta	0.94	–	0.96
R-Squared	99.39	–	98.71
Standard Deviation	13.75	14.58	14.07
Sharpe Ratio	0.07	-0.02	0.04
Tracking Error	1.38	–	1.74
Information Ratio	1.01	–	0.42
Up Capture Ratio	100.32	–	99.78
Down Capture Ratio	92.63	–	94.99

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.16	13.86	15.38
Price/Book Ratio	1.61	1.53	1.82
Avg Eff Duration	6.78	–	5.93

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MORNINGSTAR

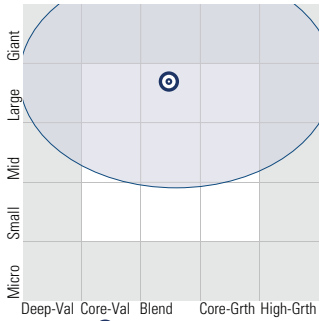
Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

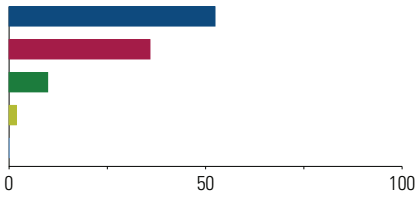
Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity				Fixed Income			
	Value	Blend	Growth		Ltd Duration	Mod	Ext
Large	26	26	21	High			
Mid	8	6	6	Mid		■	
Small	3	2	2	Low			

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

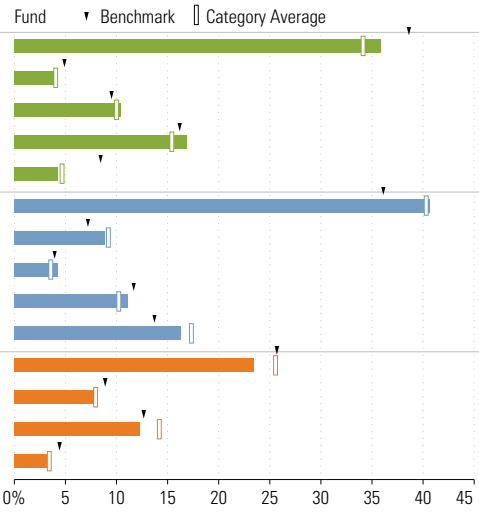
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.39	53.21
Non-US Stocks	35.84	33.71
Bonds	9.81	7.63
Cash	1.85	2.83
Other	0.10	2.61
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.89**	**38.47**	**34.13**
Basic Materials	4.30	4.76	4.05
Consumer Cyclical	10.41	9.37	10.00
Financial Services	16.88	16.04	15.41
Real Estate	4.30	8.30	4.67
Sensitive	**40.64**	**35.97**	**40.31**
Communication Services	8.88	7.06	9.20
Energy	4.30	3.80	3.56
Industrials	11.12	11.54	10.22
Technology	16.34	13.57	17.33
Defensive	**23.47**	**25.55**	**25.56**
Consumer Defensive	7.75	8.75	7.95
Healthcare	12.30	12.52	14.19
Utilities	3.42	4.28	3.42



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.31	53.31	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.21	89.52	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.01	96.54	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	3.00	99.53	–	–
⊕ Cmt Market Liquidity Rate	–	0.47	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

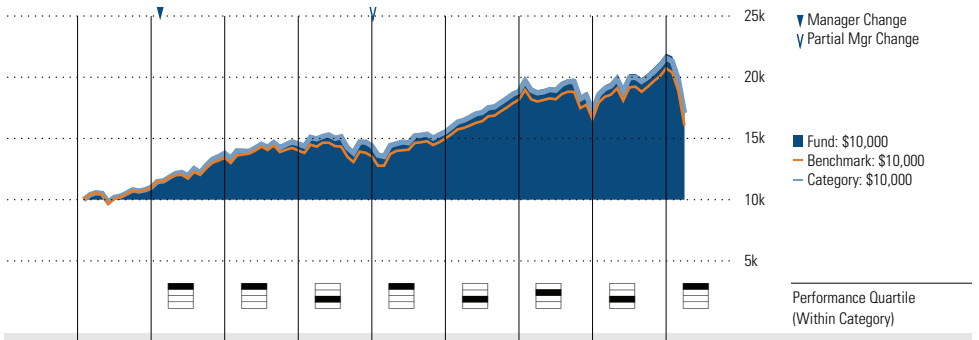
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80% lower than the Target-Date 2060+ category average.

Morningstar Investment Management LLC Analysis

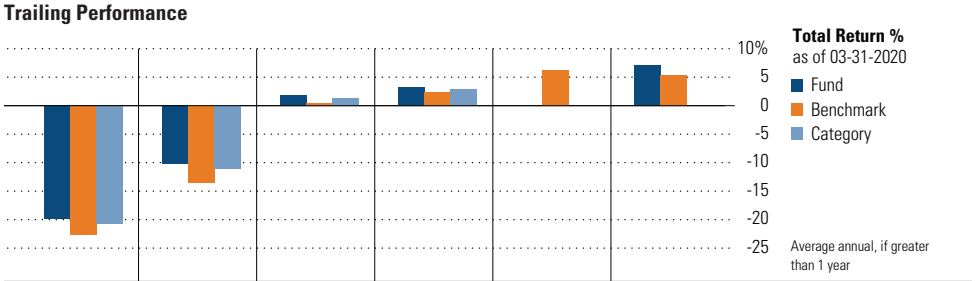
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of $10,000



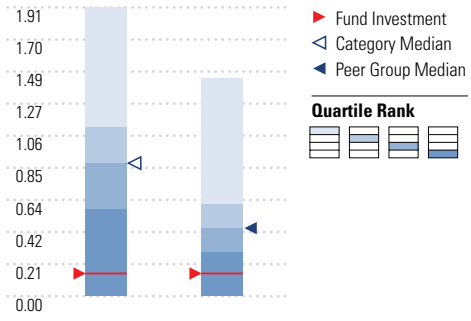
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	24.35	7.16	-1.68	8.84	21.36	-7.87	24.96	-19.86	Total Return %
–	–	2.17	2.63	1.80	-2.04	0.30	0.82	0.00	2.72	+/- Benchmark
–	–	0.00	1.63	-0.51	1.03	0.09	0.65	-0.19	0.85	+/- Category
–	–	1	1	71	21	53	34	66	16	Tot Ret % Rank in Cat
–	–	1	9	34	97	147	192	216	284	# of Funds in Cat
–	40	10	11	21	6	4	3	2	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.86	-10.18	1.79	3.20	–	7.19	Fund Return %
-22.58	-13.61	0.39	2.29	6.21	5.44	Benchmark Return %
-20.71	-11.12	1.31	2.88	–	–	Category Average %
16	21	32	36	–	–	% Rank in Category
284	228	150	54	–	–	# of Funds in Category

Net Expense



6	13	Percentile
17/304	46/355	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	1.35	–	0.85
Beta	0.94	–	0.96
R-Squared	99.39	–	98.71
Standard Deviation	13.75	14.58	14.07
Sharpe Ratio	0.07	-0.02	0.04
Tracking Error	1.38	–	1.74
Information Ratio	1.01	–	0.42
Up Capture Ratio	100.32	–	99.78
Down Capture Ratio	92.63	–	94.99

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.16	13.86	15.38
Price/Book Ratio	1.61	1.53	1.82
Avg Eff Duration	6.78	–	5.93

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MORNINGSTAR

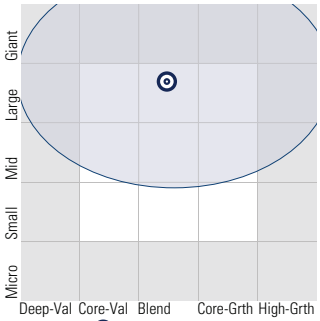
Vanguard Target Retirement 2060 Inv VTTSX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2020

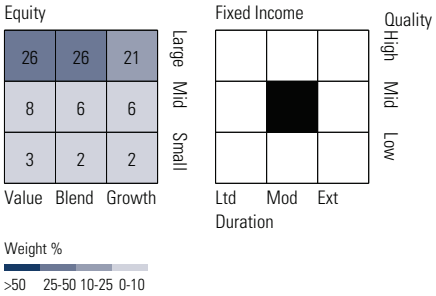
Morningstar Style Box™



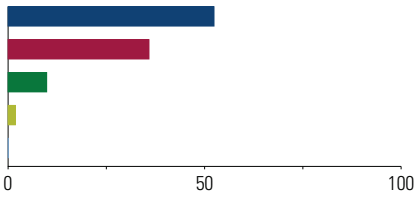
Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



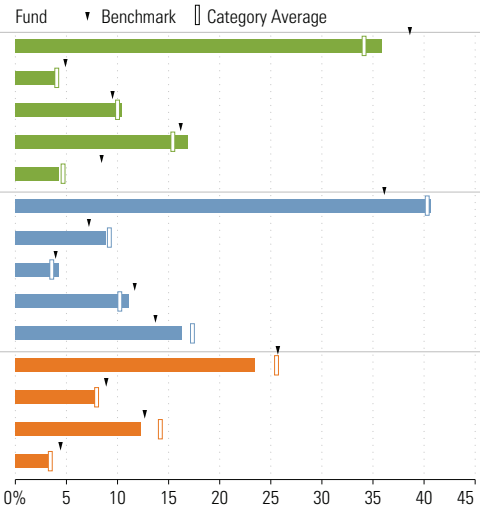
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.39	53.21
Non-US Stocks	35.84	33.71
Bonds	9.81	7.63
Cash	1.85	2.83
Other	0.10	2.61
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.89**	**38.47**	**34.13**
Basic Materials	4.30	4.76	4.05
Consumer Cyclical	10.41	9.37	10.00
Financial Services	16.88	16.04	15.41
Real Estate	4.30	8.30	4.67
Sensitive	**40.64**	**35.97**	**40.31**
Communication Services	8.88	7.06	9.20
Energy	4.30	3.80	3.56
Industrials	11.12	11.54	10.22
Technology	16.34	13.57	17.33
Defensive	**23.47**	**25.55**	**25.56**
Consumer Defensive	7.75	8.75	7.95
Healthcare	12.30	12.52	14.19
Utilities	3.42	4.28	3.42



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.31	53.31	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.21	89.52	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.01	96.54	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	3.00	99.53	–	–
⊕ Cmt Market Liquidity Rate	–	0.47	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2065 Inv VLXVX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)
Walter Nejman since 07-2017
William Coleman since 07-2017

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

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

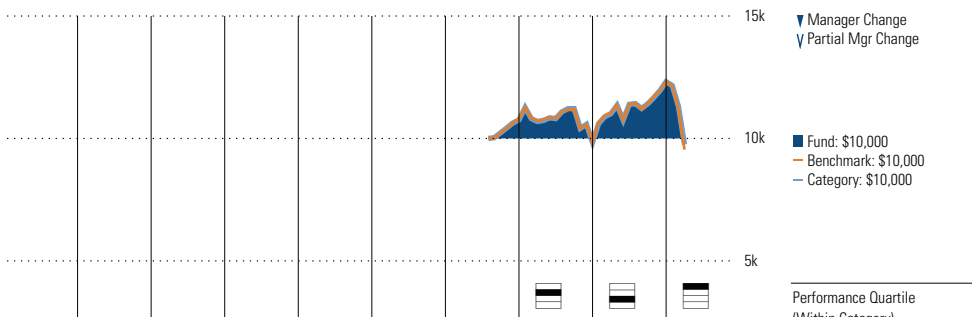
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80% 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

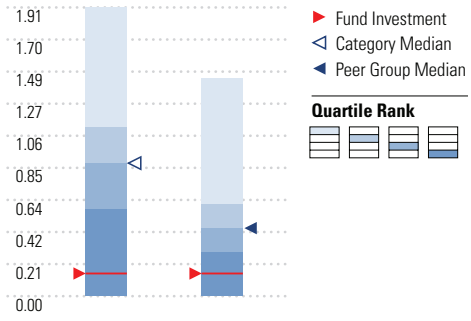


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	–	–	–	–	–	-7.95	24.96	-19.92	Total Return %
–	–	–	–	–	–	–	0.74	0.00	2.66	+/- Benchmark
–	–	–	–	–	–	–	0.57	-0.19	0.79	+/- Category
–	–	–	–	–	–	–	39	64	18	Tot Ret % Rank in Cat
–	–	–	–	–	–	–	192	216	284	# of Funds in Cat
–	–	–	–	–	–	29	1	2	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.92	-10.23	–	–	–	0.27	Fund Return %
-22.58	-13.61	0.39	2.29	6.21	5.44	Benchmark Return %
-20.71	-11.12	1.31	2.88	–	–	Category Average %
18	23	–	–	–	–	% Rank in Category
284	228	–	–	–	–	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	
6	13	Percentile
17/304	46/355	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	–	–	0.85
Beta	–	–	0.96
R-Squared	–	–	98.71
Standard Deviation	–	14.58	14.07
Sharpe Ratio	–	-0.02	0.04
Tracking Error	–	–	1.74
Information Ratio	–	–	0.42
Up Capture Ratio	–	–	99.78
Down Capture Ratio	–	–	94.99

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	13.86	15.38
Price/Book Ratio	1.61	1.53	1.82
Avg Eff Duration	6.78	–	5.93

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MORNINGSTAR

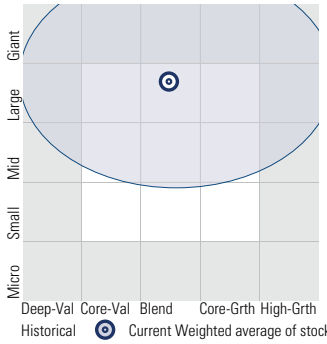
Vanguard Target Retirement 2065 Inv VLXVX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2020

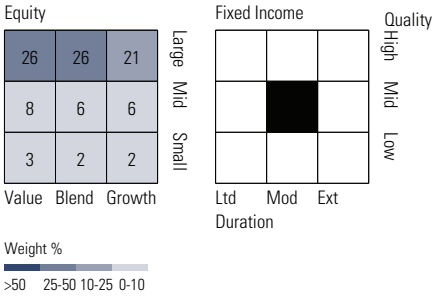
Morningstar Style Box™



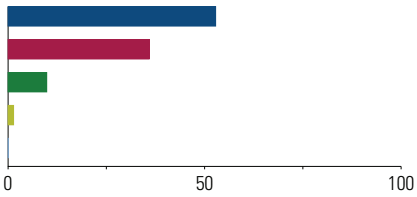
Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



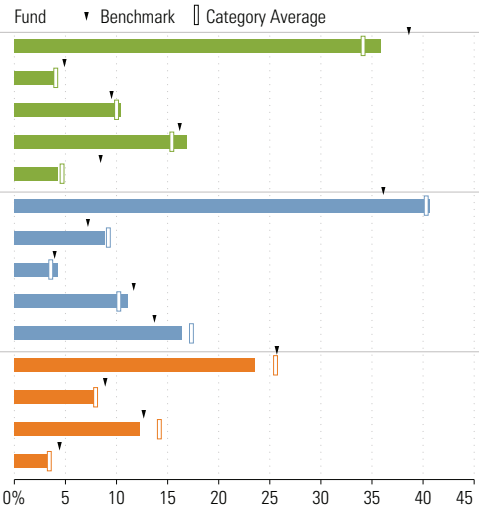
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.80	53.21
Non-US Stocks	35.89	33.71
Bonds	9.82	7.63
Cash	1.39	2.83
Other	0.10	2.61
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.88**	**38.47**	**34.13**
Basic Materials	4.29	4.76	4.05
Consumer Cyclical	10.42	9.37	10.00
Financial Services	16.87	16.04	15.41
Real Estate	4.30	8.30	4.67
Sensitive	**40.65**	**35.97**	**40.31**
Communication Services	8.89	7.06	9.20
Energy	4.29	3.80	3.56
Industrials	11.12	11.54	10.22
Technology	16.35	13.57	17.33
Defensive	**23.49**	**25.55**	**25.56**
Consumer Defensive	7.76	8.75	7.95
Healthcare	12.30	12.52	14.19
Utilities	3.43	4.28	3.42



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.73	53.73	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.25	89.98	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.02	97.00	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	3.00	100.00	–	–
⊖ Cmt Market Liquidity Rate	–	0.00	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement 2065 Inv VLXVX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)
Walter Nejman since 07-2017
William Coleman since 07-2017

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

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

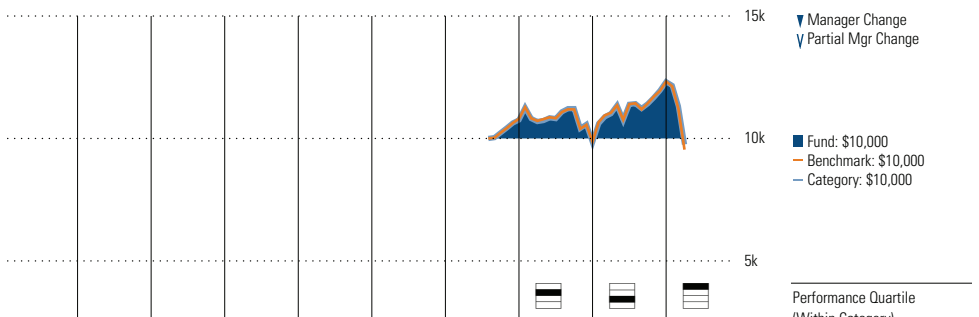
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.15 is 80% 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

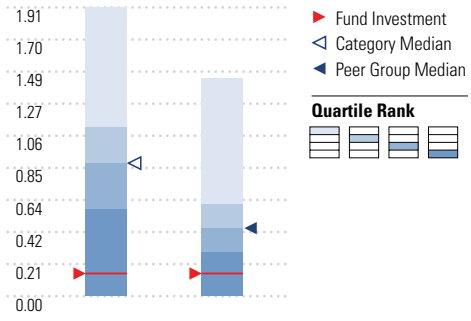


2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
–	–	–	–	–	–	–	-7.95	24.96	-19.92	Total Return %
–	–	–	–	–	–	–	0.74	0.00	2.66	+/- Benchmark
–	–	–	–	–	–	–	0.57	-0.19	0.79	+/- Category
–	–	–	–	–	–	–	39	64	18	Tot Ret % Rank in Cat
–	–	–	–	–	–	–	192	216	284	# of Funds in Cat
–	–	–	–	–	–	29	1	2	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-19.92	-10.23	–	–	–	0.27	Fund Return %
-22.58	-13.61	0.39	2.29	6.21	5.44	Benchmark Return %
-20.71	-11.12	1.31	2.88	–	–	Category Average %
18	23	–	–	–	–	% Rank in Category
284	228	–	–	–	–	# of Funds in Category

Net Expense



Fund vs. Category	Fund vs. Peer Group	
6	13	Percentile
17/304	46/355	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	–	–	0.85
Beta	–	–	0.96
R-Squared	–	–	98.71
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Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.17	13.86	15.38
Price/Book Ratio	1.61	1.53	1.82
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MORNINGSTAR

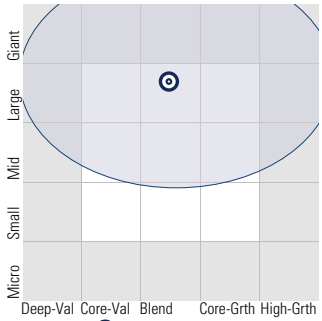
Vanguard Target Retirement 2065 Inv VLXVX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 03-31-2020

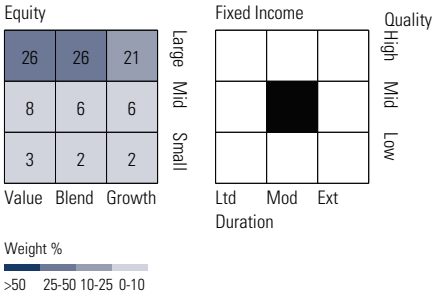
Morningstar Style Box™



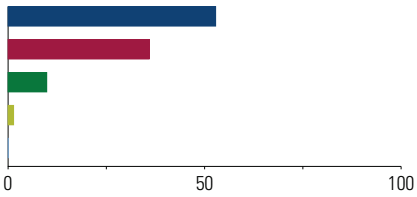
Historical ◎ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown



Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	52.80	53.21
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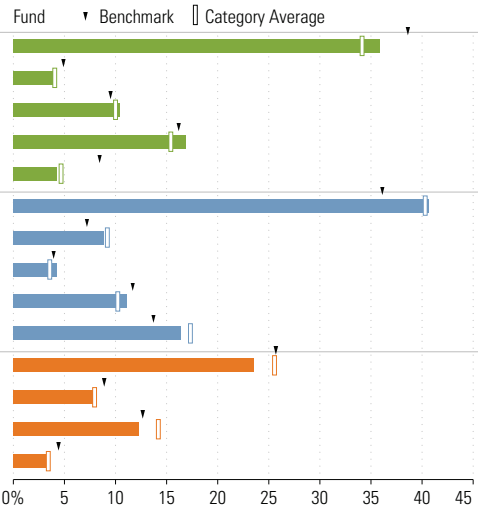
Bonds	9.82	7.63
Cash	1.39	2.83
Other	0.10	2.61
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.88**	**38.47**	**34.13**
Basic Materials	4.29	4.76	4.05
Consumer Cyclical	10.42	9.37	10.00
Financial Services	16.87	16.04	15.41
Real Estate	4.30	8.30	4.67
Sensitive	**40.65**	**35.97**	**40.31**
Communication Services	8.89	7.06	9.20
Energy	4.29	3.80	3.56
Industrials	11.12	11.54	10.22
Technology	16.35	13.57	17.33
Defensive	**23.49**	**25.55**	**25.56**
Consumer Defensive	7.76	8.75	7.95
Healthcare	12.30	12.52	14.19
Utilities	3.43	4.28	3.42



Top 5 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	–	53.73	53.73	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	36.25	89.98	–	–
⊖ Vanguard Total Bond Market II Idx Inv	–	7.02	97.00	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	3.00	100.00	–	–
⊖ Cmt Market Liquidity Rate	–	0.00	100.00	–	–

Total Holdings 5

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

Vanguard Target Retirement Income Inv VTINX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Portfolio Manager(s)
Walter Nejman since 02-2013
William Coleman since 02-2013

Quantitative Screens

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

Management: The fund's management has been in place for 7.11 years.

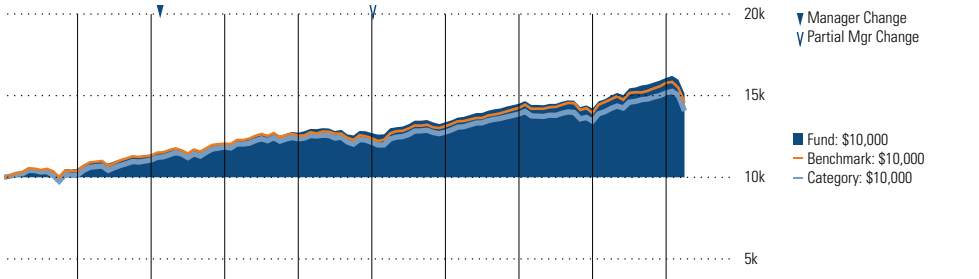
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



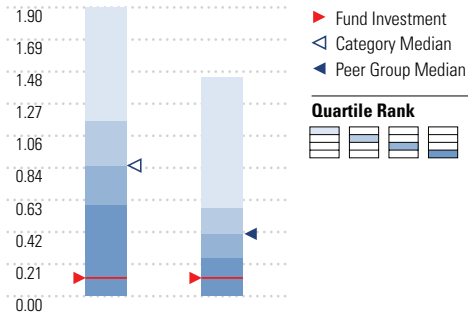
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
5.25	8.23	5.87	5.54	-0.17	5.25	8.47	-1.99	13.16	-5.91	Total Return %
1.12	-0.55	-0.58	1.45	1.13	-0.73	-0.08	0.21	-0.11	1.78	+/- Benchmark
3.65	-0.78	-1.49	1.18	1.33	0.15	-0.34	1.17	0.31	1.36	+/- Category
9	67	56	19	7	41	62	21	49	39	Tot Ret % Rank in Cat
95	98	110	113	131	147	157	169	183	190	# of Funds in Cat
14	7	40	6	14	11	8	6	10	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-5.91	0.91	3.38	3.17	4.92	4.90	Fund Return %
-7.69	-1.38	2.73	2.82	4.64	5.48	Benchmark Return %
-7.27	-1.12	2.36	2.32	4.05	–	Category Average %
39	29	13	10	17	–	% Rank in Category
190	186	157	136	89	–	# of Funds in Category

Net Expense



3	13	Percentile
6/190	34/263	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	1.00	–	-0.68
Beta	0.86	–	1.01
R-Squared	96.85	–	92.77
Standard Deviation	4.94	5.67	5.91
Sharpe Ratio	0.35	0.20	0.09
Tracking Error	1.19	–	1.90
Information Ratio	0.55	–	-0.31
Up Capture Ratio	92.07	–	89.21
Down Capture Ratio	77.19	–	96.32

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.14	14.63	15.04
Price/Book Ratio	1.60	1.69	1.76
Avg Eff Duration	5.79	4.99	5.35

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MORNINGSTAR

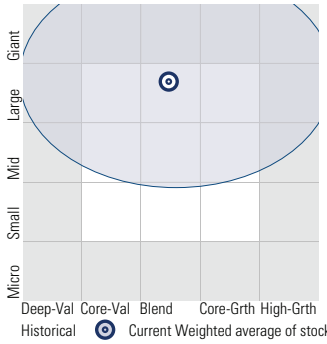
Vanguard Target Retirement Income Inv VTINX

Morningstar Category
Target-Date Retirement

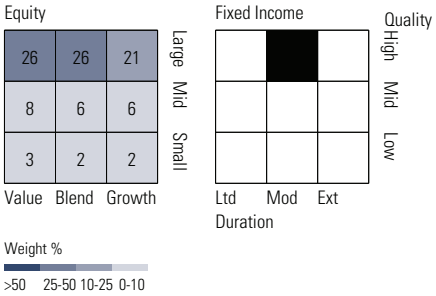
Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 03-31-2020

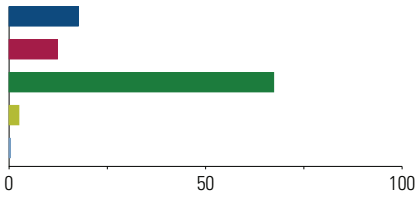
Morningstar Style Box™



Style Breakdown



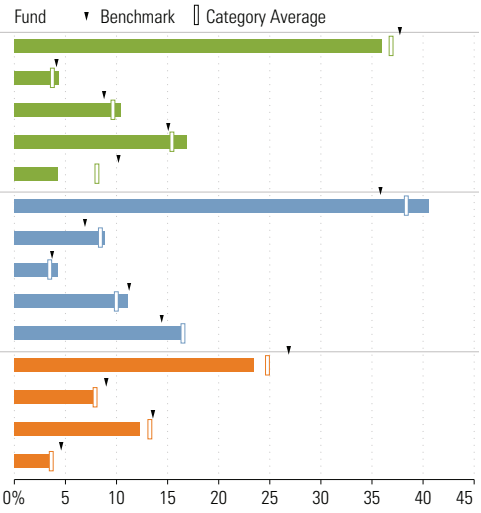
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	17.59	19.28
Non-US Stocks	12.29	9.68
Bonds	67.31	56.08
Cash	2.48	5.53
Other	0.31	9.43
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.96**	**37.59**	**36.87**
Basic Materials	4.33	3.98	3.72
Consumer Cyclical	10.41	8.64	9.65
Financial Services	16.92	14.92	15.42
Real Estate	4.30	10.05	8.08
Sensitive	**40.58**	**35.69**	**38.36**
Communication Services	8.86	6.77	8.42
Energy	4.30	3.55	3.46
Industrials	11.14	11.09	9.98
Technology	16.28	14.28	16.50
Defensive	**23.46**	**26.71**	**24.77**
Consumer Defensive	7.75	8.85	7.90
Healthcare	12.29	13.42	13.26
Utilities	3.42	4.44	3.61



Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	–	37.55	37.55	–	–
⊕ Vanguard Total Stock Mkt Idx Inv	–	17.90	55.45	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	–	16.51	71.96	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	15.55	87.50	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	12.42	99.93	–	–
⊕ Cmt Market Liquidity Rate	–	0.07	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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MORNINGSTAR

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

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

Management: The fund's management has been in place for 7.11 years.

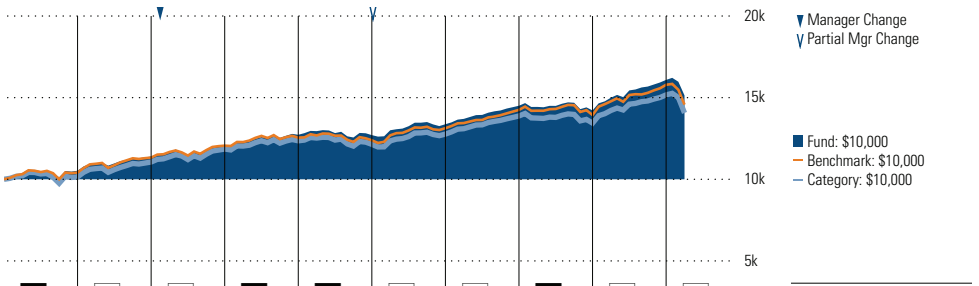
Style: The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

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

Morningstar Investment Management LLC Analysis

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

Growth of $10,000



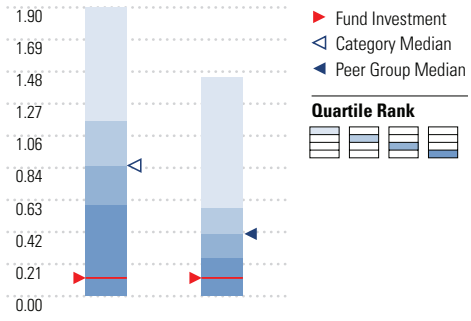
2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	History
5.25	8.23	5.87	5.54	-0.17	5.25	8.47	-1.99	13.16	-5.91	Total Return %
1.12	-0.55	-0.58	1.45	1.13	-0.73	-0.08	0.21	-0.11	1.78	+/- Benchmark
3.65	-0.78	-1.49	1.18	1.33	0.15	-0.34	1.17	0.31	1.36	+/- Category
9	67	56	19	7	41	62	21	49	39	Tot Ret % Rank in Cat
95	98	110	113	131	147	157	169	183	190	# of Funds in Cat
14	7	40	6	14	11	8	6	10	–	Turnover %
–	–	–	–	–	–	–	–	–	–	Expense Ratio

Performance Quartile (Within Category)

Trailing Performance

3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-5.91	0.91	3.38	3.17	4.92	4.90	Fund Return %
-7.69	-1.38	2.73	2.82	4.64	5.48	Benchmark Return %
-7.27	-1.12	2.36	2.32	4.05	–	Category Average %
39	29	13	10	17	–	% Rank in Category
190	186	157	136	89	–	# of Funds in Category

Net Expense



3	13	Percentile
6/190	34/263	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	1.00	–	-0.68
Beta	0.86	–	1.01
R-Squared	96.85	–	92.77
Standard Deviation	4.94	5.67	5.91
Sharpe Ratio	0.35	0.20	0.09
Tracking Error	1.19	–	1.90
Information Ratio	0.55	–	-0.31
Up Capture Ratio	92.07	–	89.21
Down Capture Ratio	77.19	–	96.32

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.14	14.63	15.04
Price/Book Ratio	1.60	1.69	1.76
Avg Eff Duration	5.79	4.99	5.35

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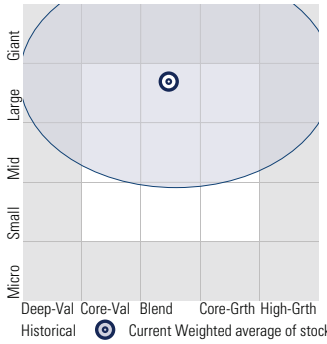
Vanguard Target Retirement Income Inv VTINX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 03-31-2020

Morningstar Style Box™



Historical ⊙ Current Weighted average of stock holdings

Ownership ● 75% of fund's current stock holdings

Style Breakdown

Equity

Large	26	26	21
Mid	8	6	6
Small	3	2	2
	Value	Blend	Growth

Fixed Income

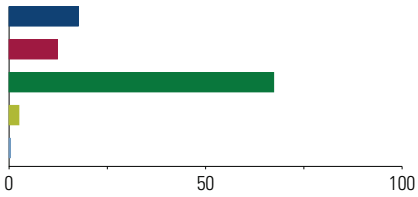
High		■	
Mid			
Low			
	Ltd	Mod	Ext

Duration

Weight %

>50 25-50 10-25 0-10

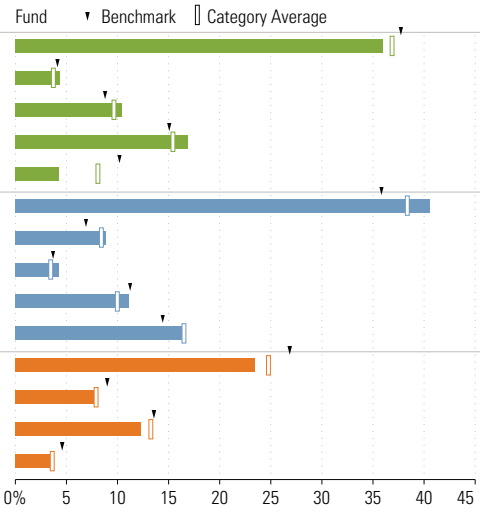
Asset Allocation as of 03-31-2020



Asset Class	Net %	Cat%
US Stocks	17.59	19.28
Non-US Stocks	12.29	9.68
Bonds	67.31	56.08
Cash	2.48	5.53
Other	0.31	9.43
Total	**100.00**	**100.00**

Sector Weighting as of 03-31-2020

	Fund	Bmark	Cat
Cyclical	**35.96**	**37.59**	**36.87**
Basic Materials	4.33	3.98	3.72
Consumer Cyclical	10.41	8.64	9.65
Financial Services	16.92	14.92	15.42
Real Estate	4.30	10.05	8.08
Sensitive	**40.58**	**35.69**	**38.36**
Communication Services	8.86	6.77	8.42
Energy	4.30	3.55	3.46
Industrials	11.14	11.09	9.98
Technology	16.28	14.28	16.50
Defensive	**23.46**	**26.71**	**24.77**
Consumer Defensive	7.75	8.85	7.90
Healthcare	12.29	13.42	13.26
Utilities	3.42	4.44	3.61



Top 6 Holdings as of 03-31-2020

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	–	37.55	37.55	–	–
⊕ Vanguard Total Stock Mkt Idx Inv	–	17.90	55.45	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	–	16.51	71.96	–	–
⊖ Vanguard Total Intl Bd Idx Investor	–	15.55	87.50	–	–
⊕ Vanguard Total Intl Stock Index Inv	–	12.42	99.93	–	–
⊕ Cmt Market Liquidity Rate	–	0.07	100.00	–	–

Total Holdings 6

⊕ Increase ⊖ Decrease ✲ New to Portfolio

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