

American Funds American Balanced R6 RLBGX

Morningstar Category
Moderate Allocation

Morningstar Index
Morningstar US Mod Tgt Alloc NR USD

Portfolio Manager(s)

- Hilda Applbaum since 01-1999
- Alan Berro since 03-2006
- Jeffrey Lager since 03-2011
- Paul Benjamin since 07-2014
- Anne-Marie Peterson since 10-2015
- Alan Wilson since 01-2016
- John Queen since 07-2016
- Pramod Atluri since 03-2018
- Mark Casey since 10-2019
- Ritchie Tuazon since 10-2020
- Jin Lee since 03-2023
- Chit Purani since 03-2023

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 24.26 years.

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

Net Expense: The fund's expense ratio of 0.25 is 75.73% lower than the Allocation--50% to 70% Equity 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.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.90	-	0.49
Beta	0.95	-	0.98
R-Squared	95.92	-	94.16
Standard Deviation	12.45	12.78	12.92
Sharpe Ratio	0.72	0.67	0.68
Tracking Error	2.58	-	3.03
Information Ratio	0.21	-	0.10
Up Capture Ratio	100.73	-	100.17
Down Capture Ratio	97.76	-	98.35

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.64	17.24	17.70
Price/Book Ratio	3.38	2.76	2.98
Avg Eff Duration	6.32	-	5.29

American Funds American Balanced R6 RLBGX

Morningstar Category
Moderate Allocation

Morningstar Index
Morningstar US Mod Tgt Alloc NR USD

Style Analysis as of 03-31-2023

Morningstar Style Box™



Style Breakdown



Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	52.49	45.82
Non-US Stocks	8.50	10.52
Bonds	28.18	35.47
Cash	6.39	4.71
Other	4.44	3.49
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	—	8.05	8.05	—	—
⊖ Cap Grp Cent Fd Ser Ii	—	4.31	12.36	—	—
⊕ Microsoft Corp	—	3.98	16.34	20.50	Technology
⊖ Broadcom Inc	—	2.86	19.19	15.56	Technology
⊖ UnitedHealth Group Inc	—	2.10	21.29	-10.55	Healthcare
Philip Morris International Inc	—	2.01	23.30	-2.66	Consumer Defensive
✱ Cash And Other Assets Less Liabilities	—	1.93	25.23	—	—
⊕ The Home Depot Inc	—	1.38	26.61	-5.90	Consumer Cyclical
⊖ Pfizer Inc	—	1.18	27.78	-19.57	Healthcare
⊕ Federal National Mortgage Association 4.5%	05-2053	1.17	28.95	—	—

Total Holdings 2091

⊕ Increase ⊖ Decrease ✱ New to Portfolio

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
 Paul Flynn since 09-2017
 Michael Cohen since 07-2018
 Lisa Thompson since 09-2018

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 14.5 years.

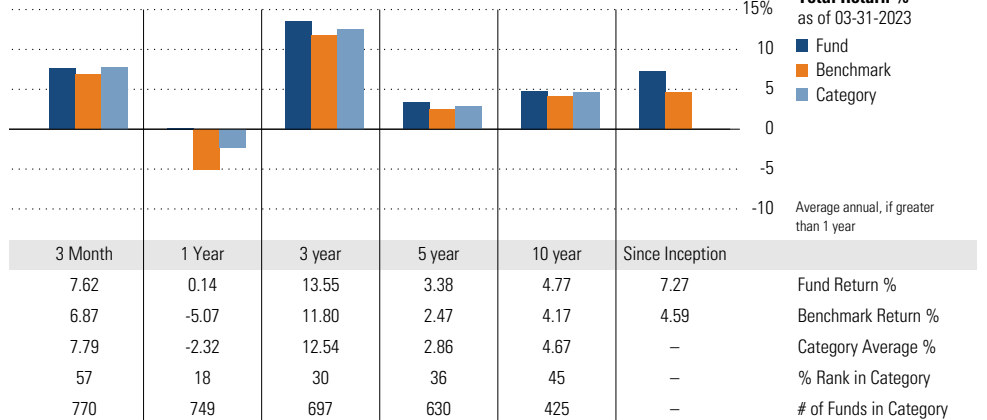
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.54 is 39.33% lower than the Foreign Large Blend category average.

Growth of \$10,000



Trailing Performance



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.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.08	-	0.60
Beta	1.05	-	1.03
R-Squared	95.93	-	93.21
Standard Deviation	18.69	17.35	18.58
Sharpe Ratio	0.71	0.66	0.68
Tracking Error	3.89	-	4.87
Information Ratio	0.45	-	0.22
Up Capture Ratio	107.83	-	106.57
Down Capture Ratio	103.71	-	105.88

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.72	12.70	13.48
Price/Book Ratio	1.80	1.66	1.77
Geom Avg Mkt Cap \$B	50.53	41.43	52.17
ROE	20.22	17.72	19.32

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 03-31-2023

Morningstar Style Box™



Style Breakdown



Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	4.99	3.05
Non-US Stocks	89.89	94.40
Bonds	0.09	0.28
Cash	5.03	1.03
Other	0.00	1.23
Total	100.00	100.00

Sector Weighting as of 03-31-2023



World Regions % Equity 03-31-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	28.93	35.05	Americas	13.91	8.50	Greater Europe	57.16	56.45	Developed Markets	85.94
Japan	7.56	17.81	North America	9.73	7.32	United Kingdom	13.15	13.67	Emerging Markets	14.06
Australasia	0.51	5.25	Central/Latin	4.18	1.18	W euro-ex UK	42.63	41.68	Not Available	0.00
Asia-4 Tigers	11.69	6.73				Emrgng Europe	0.36	0.08		
Asia-ex 4 Tigers	9.17	5.26				Africa	1.02	1.02		
Not Classified	0.00	0.00								

Top 10 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	4.91	4.91	-	-
⊖ AstraZeneca PLC	3.12	8.02	1.58	Healthcare
⊖ Taiwan Semiconductor Manufacturing Co Ltd	2.57	10.59	19.45	Technology
⊕ Novo Nordisk A/S Class B	2.50	13.09	16.63	Healthcare
ASML Holding NV	2.29	15.37	24.37	Technology
⊕ Philip Morris International Inc	2.24	17.61	-2.66	Consumer Defensive
Airbus SE	2.10	19.71	11.04	Industrials
⊕ TotalEnergies SE	1.69	21.41	-4.96	Energy
⊖ British American Tobacco PLC	1.61	23.01	-11.68	Consumer Defensive
⊖ LVMH Moët Hennessy Louis Vuitton SE	1.58	24.60	24.19	Consumer Cyclical

Total Holdings 258

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

- M. Sharon deGuzman since 09-2000
- Mary Ellen Stanek since 09-2000
- Charles Groeschell since 09-2000
- Warren Pierson since 09-2000
- Meghan Dean since 05-2019
- Jay Schwister since 05-2019
- Jeffrey Schrom since 05-2019
- Patrick Brown since 05-2021
- Abhishek Pulakanti since 05-2022
- Andrew O'Connell since 05-2022

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 22.52 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 46.43% lower than the Intermediate Core Bond category average.

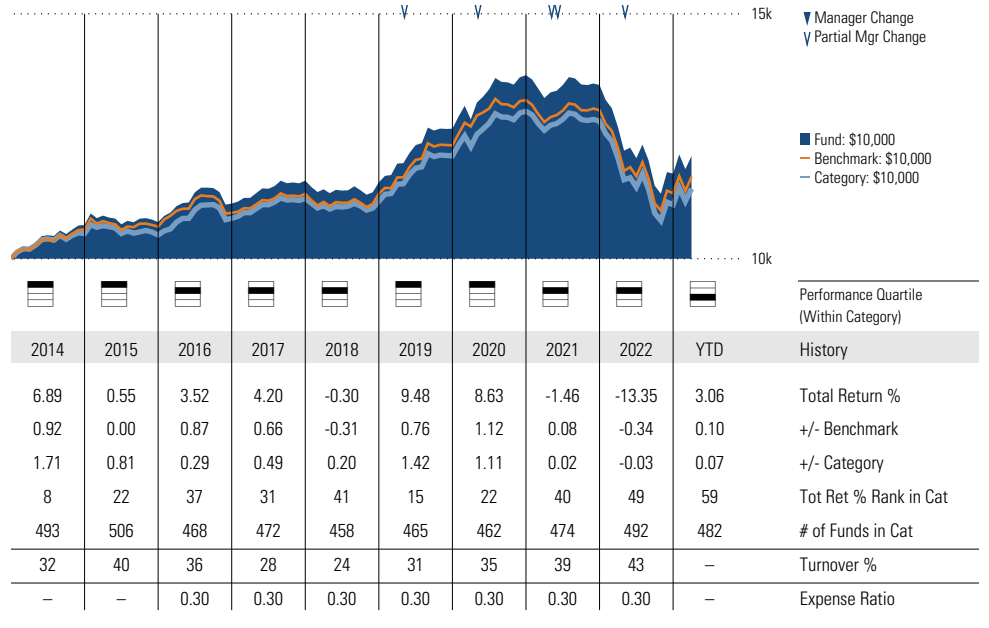
Morningstar Investment Management LLC Analysis

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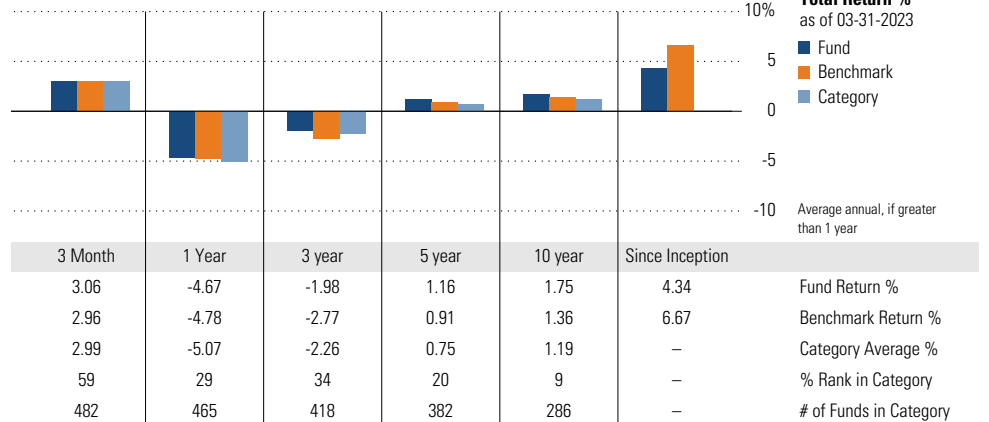
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
ESG Commitment	1-Low	02-15-2022

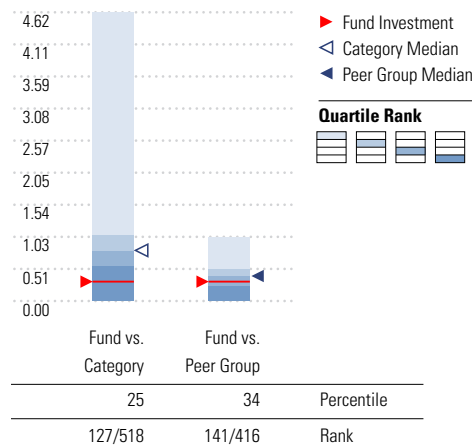
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.92	-	0.59
Beta	1.03	-	0.99
R-Squared	98.67	-	95.95
Standard Deviation	6.54	6.29	6.37
Sharpe Ratio	-0.45	-0.60	-0.50
Tracking Error	0.78	-	1.18
Information Ratio	1.01	-	0.32
Up Capture Ratio	111.68	-	104.43
Down Capture Ratio	99.95	-	96.96

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.33	4.43	6.00
Avg Eff Maturity	8.35	-	8.46

Baird Aggregate Bond Inst BAGIX

Morningstar Category
Intermediate Core Bond

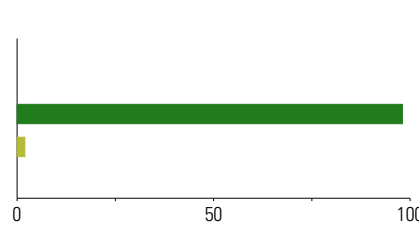
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

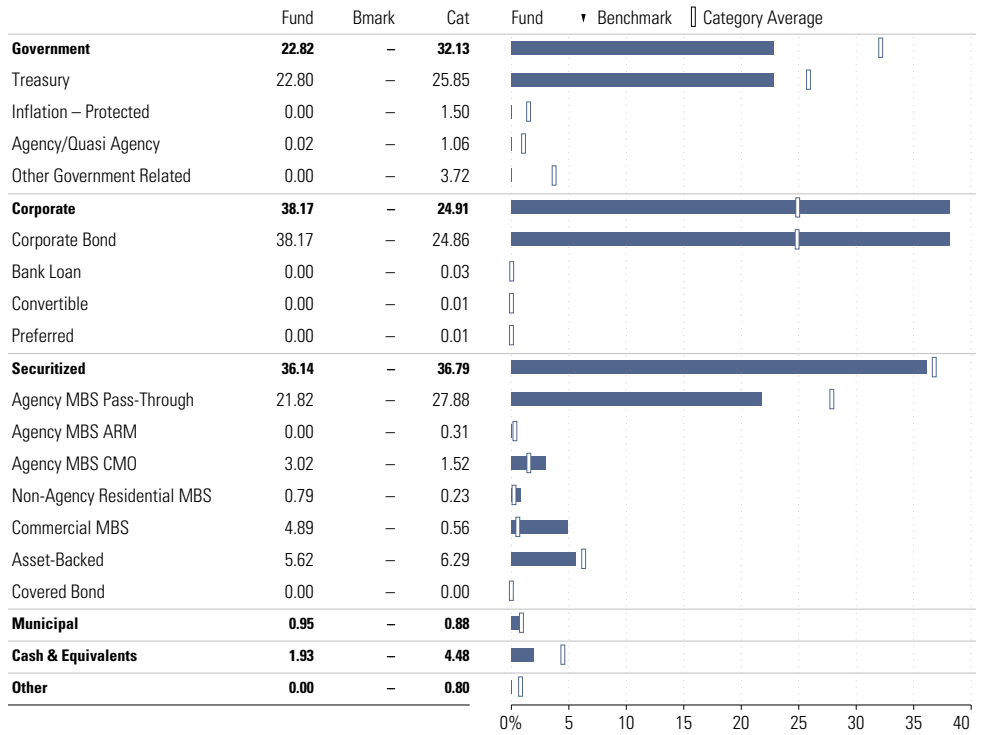


Asset Class	Net %	Cat%
US Stocks	0.00	0.09
Non-US Stocks	0.00	0.02
Bonds	98.04	95.20
Cash	1.97	3.36
Other	0.00	1.32
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	60.30	3.53	50.06
AA	3.80	74.59	11.69
A	12.60	10.82	23.47
BBB	23.10	8.32	13.19
BB	0.20	0.28	0.65
B	0.00	0.00	0.21
Below B	0.00	0.00	0.15
Not Rated	0.00	2.46	0.57

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Bonds 2.5%	02-2045	3.37	3.37	-
⊖ United States Treasury Bonds 2.88%	05-2043	2.46	5.83	-
⊕ United States Treasury Notes 2.88%	05-2032	2.37	8.20	-
⊕ United States Treasury Notes 1.13%	10-2026	2.37	10.57	-
⊖ United States Treasury Notes 1.13%	08-2028	1.97	12.54	-
United States Treasury Bonds 1.38%	11-2040	1.91	14.44	-
⊕ First American Government Obligs U	02-2030	1.87	16.32	-
⊕ United States Treasury Notes 2.38%	03-2029	1.15	17.47	-
⊕ United States Treasury Notes 1.5%	02-2025	1.14	18.61	-
⊖ United States Treasury Notes 2.88%	06-2025	1.10	19.72	-

Total Holdings 1654

⊕ Increase ⊖ Decrease ✱ New to Portfolio

DFA US Core Equity 1 I DFEQX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

Jed Fogdall since 02-2012
John Hertzler since 02-2022
Mary Phillips since 02-2022

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 11.09 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 Large Blend category average.

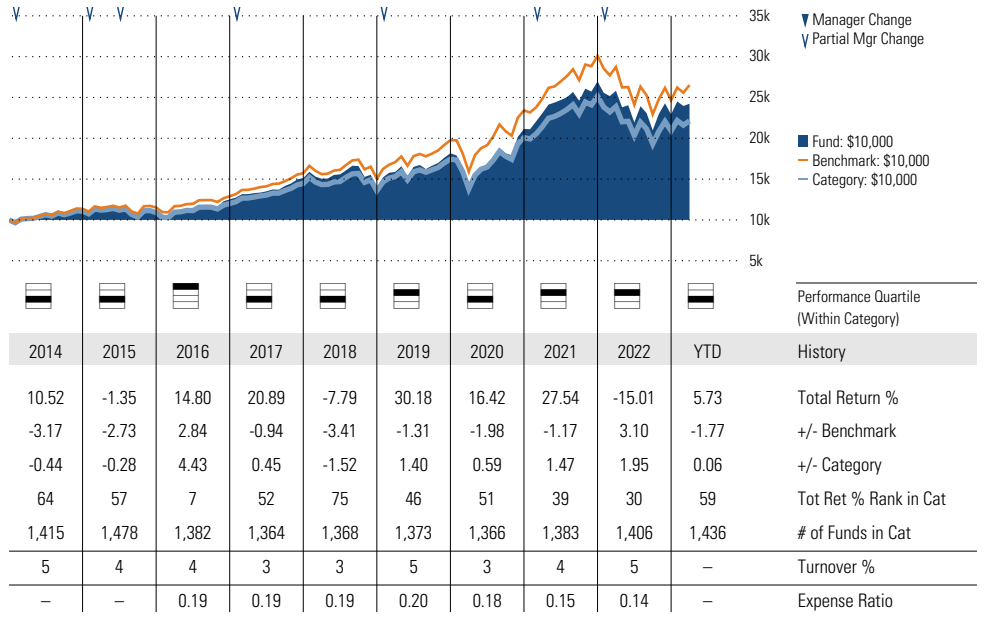
Morningstar Investment Management LLC Analysis

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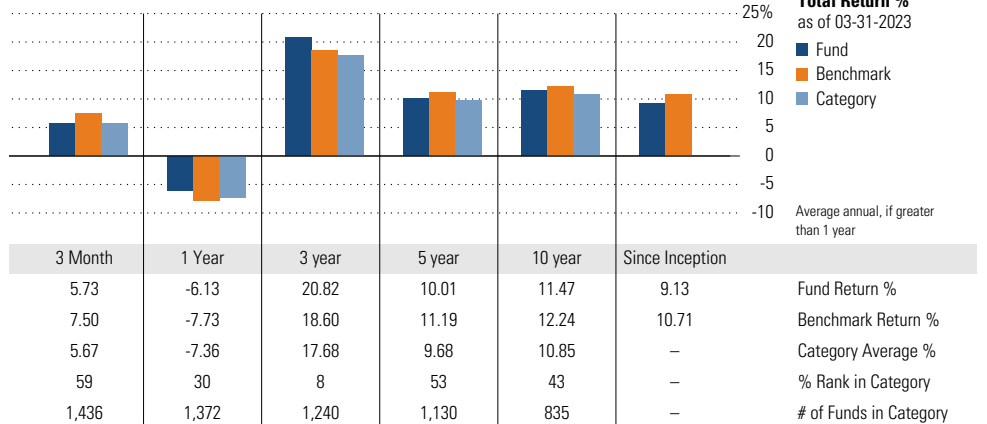
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	03-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

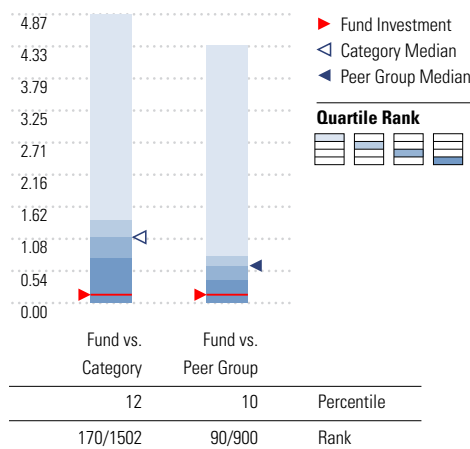
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.04	-	-0.27
Beta	0.99	-	0.94
R-Squared	97.28	-	94.87
Standard Deviation	19.34	19.23	18.62
Sharpe Ratio	1.02	0.92	0.88
Tracking Error	3.20	-	3.97
Information Ratio	0.69	-	-1.04
Up Capture Ratio	100.33	-	93.75
Down Capture Ratio	91.72	-	94.82

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.04	19.90	18.81
Price/Book Ratio	2.98	3.64	3.46
Geom Avg Mkt Cap \$B	66.62	170.30	224.69
ROE	28.14	29.71	27.68

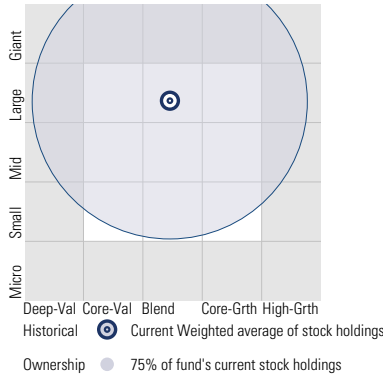
DFA US Core Equity 1 I DFEOX

Morningstar Category
Large Blend

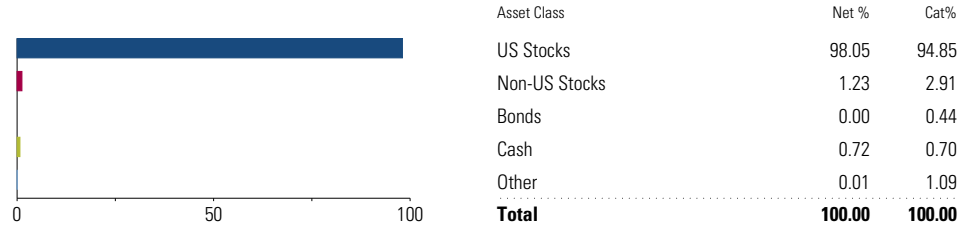
Morningstar Index
S&P 500 TR USD

Style Analysis as of 03-31-2023

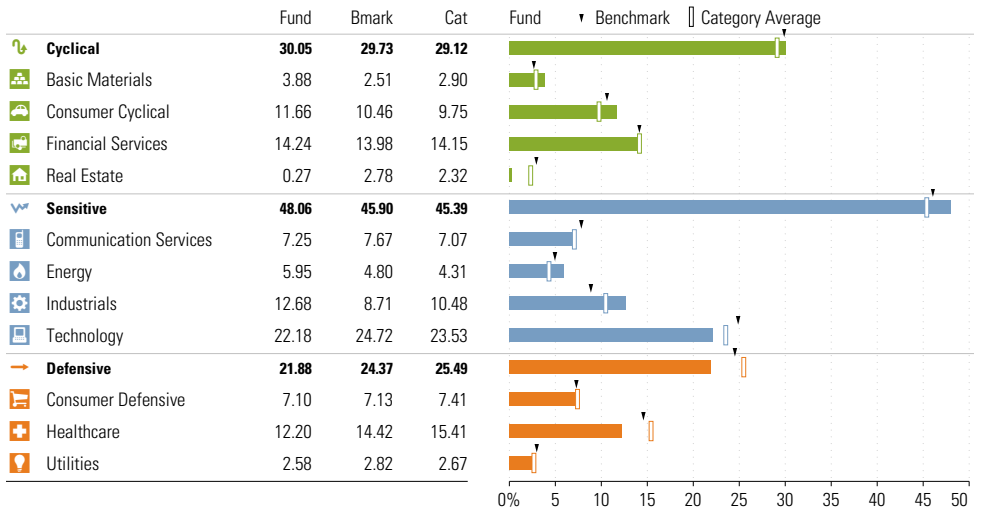
Morningstar Style Box™



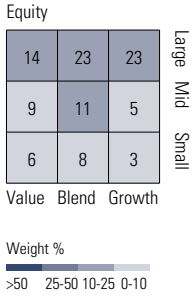
Asset Allocation as of 03-31-2023



Sector Weighting as of 03-31-2023



Style Breakdown



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	5.18	5.18	27.09	Technology
Microsoft Corp	4.15	9.33	20.50	Technology
Amazon.com Inc	1.71	11.04	22.96	Consumer Cyclical
Alphabet Inc Class A	1.16	12.20	17.57	Communication Svc
Meta Platforms Inc Class A	1.08	13.28	76.12	Communication Svc
Alphabet Inc Class C	1.07	14.36	17.21	Communication Svc
Berkshire Hathaway Inc Class B	1.02	15.38	-0.04	Financial Services
Exxon Mobil Corp	1.01	16.39	0.24	Energy
JPMorgan Chase & Co	1.00	17.39	-2.08	Financial Services
Johnson & Johnson	0.85	18.23	-11.62	Healthcare
Future on E-mini S&P 500 Futures	0.84	19.08	-	-
Tesla Inc	0.80	19.88	68.42	Consumer Cyclical
Procter & Gamble Co	0.77	20.65	-1.29	Consumer Defensive
UnitedHealth Group Inc	0.76	21.41	-10.55	Healthcare
Mastercard Inc Class A	0.73	22.14	4.67	Financial Services

Total Holdings 2713

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Federated Hermes Govt Ultrashort R6 FGULX

Morningstar Category
Ultrashort Bond

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort Bond category's top three quartiles in 5 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 25.74 years.

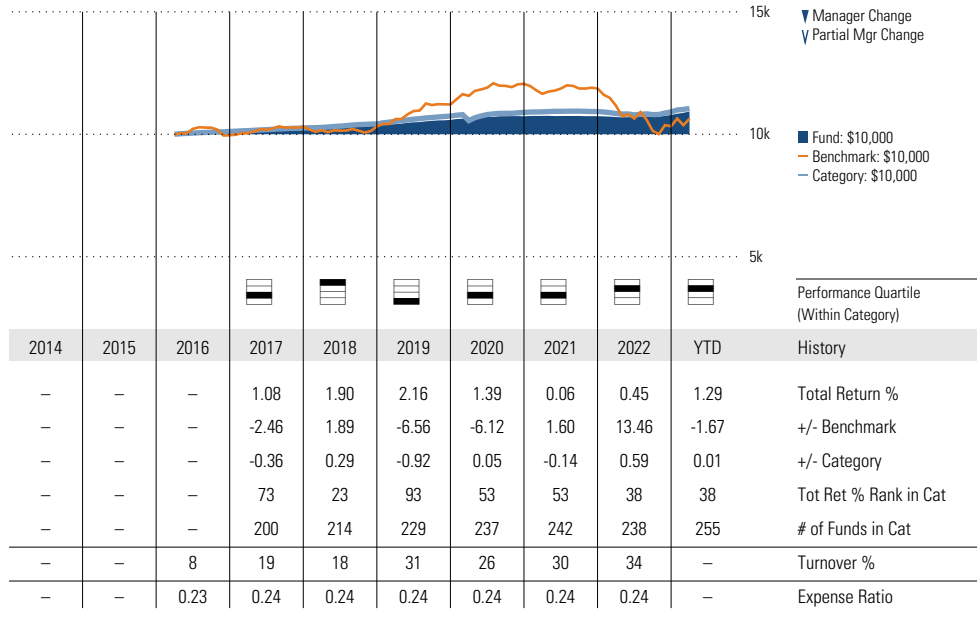
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 46.67% lower than the Ultrashort Bond category average.

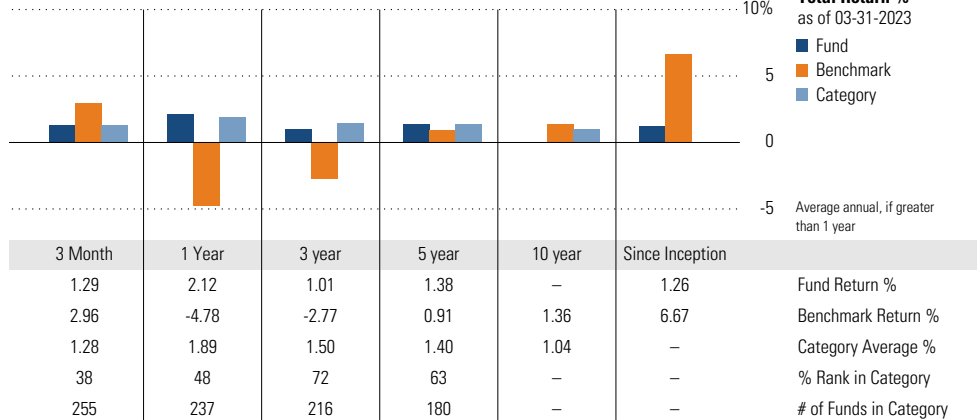
Morningstar Investment Management LLC Analysis

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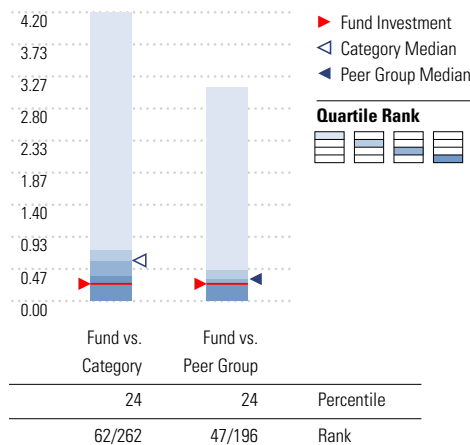
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.16	-	1.80
Beta	0.06	-	0.11
R-Squared	30.67	-	28.48
Standard Deviation	0.64	6.29	1.30
Sharpe Ratio	-0.26	-0.60	0.10
Tracking Error	5.96	-	5.74
Information Ratio	0.64	-	0.75
Up Capture Ratio	11.52	-	23.31
Down Capture Ratio	-2.07	-	1.33

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.26	4.43	0.91
Avg Eff Maturity	5.30	-	1.90

Federated Hermes Govt Ultrashort R6 FGULX

Morningstar Category
Ultrashort Bond

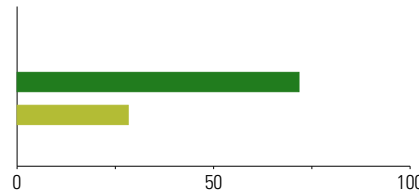
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

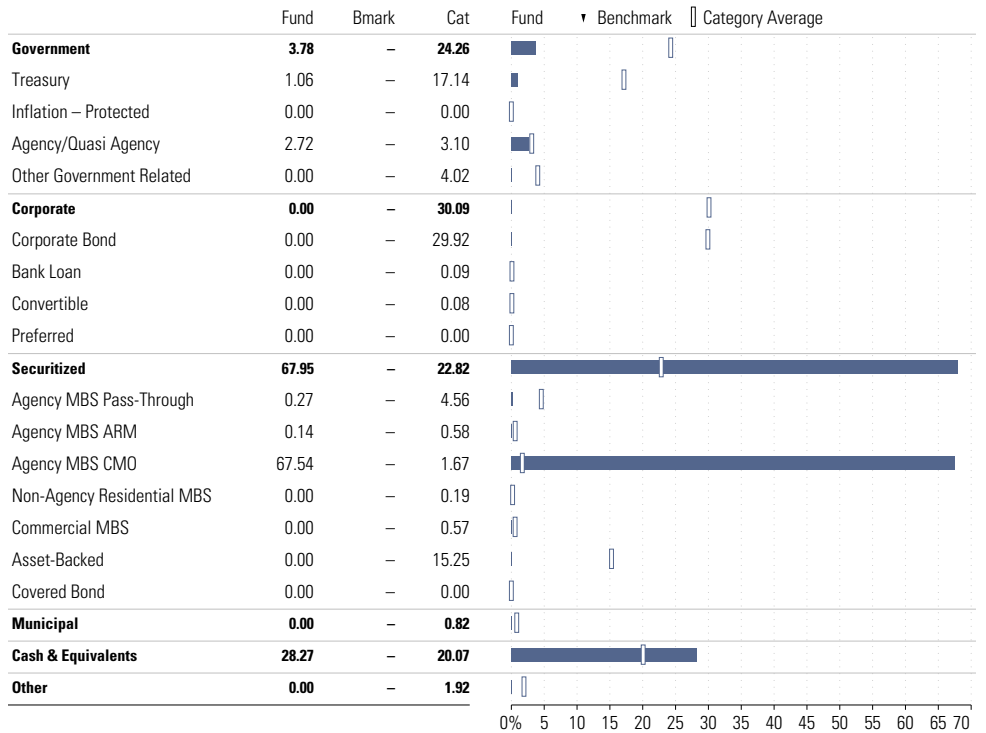


Asset Class	Net %	Cat%
US Stocks	0.00	0.17
Non-US Stocks	0.00	0.00
Bonds	71.73	68.64
Cash	28.27	31.04
Other	0.00	0.15
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	100.00	3.53	36.14
AA	0.00	74.59	7.53
A	0.00	10.82	20.05
BBB	0.00	8.32	19.36
BB	0.00	0.28	1.88
B	0.00	0.00	1.94
Below B	0.00	0.00	0.34
Not Rated	0.00	2.46	12.75

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Bofam Repo 1 Repo	04-2023	13.14	13.14	-
⊕ Hsbc Repo 2 Repo	04-2023	7.57	20.70	-
⊕ Bank Of Montreal 3 Repo	04-2023	7.57	28.27	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 4.82053%	12-2032	6.55	34.82	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.08561%	12-2032	6.04	40.86	-
⊕ Government National Mortgage Association 5.12871%	01-2073	5.29	46.15	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.44815%	10-2032	4.56	50.71	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.40561%	11-2032	3.95	54.66	-
⊕ Government National Mortgage Association 5.20906%	01-2053	3.82	58.48	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.40815%	11-2032	3.61	62.09	-

Total Holdings 182

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Vanguard FTSE Social Index Admiral VFTAX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

Nick Birkett since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Large Blend 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 7.28 years.

✘ **Style:** The fund has landed in its primary style box — Large Blend — 36.36 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.14 is 81.58% lower than the Large Blend category average.

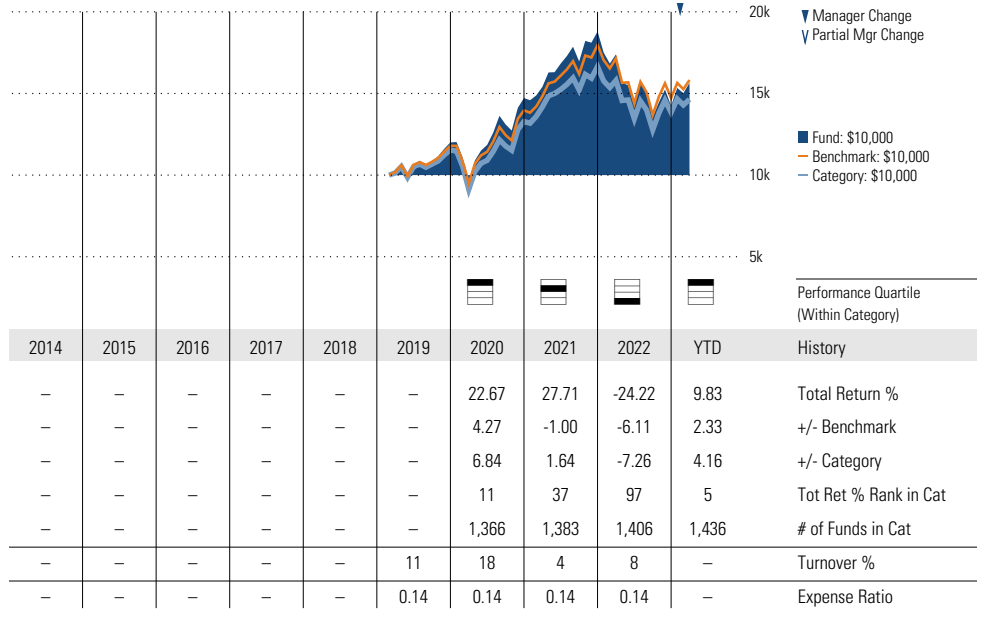
Morningstar Investment Management LLC Analysis

This fund fails our style consistency screen but because it is an index fund we do not regard the failure as significant.

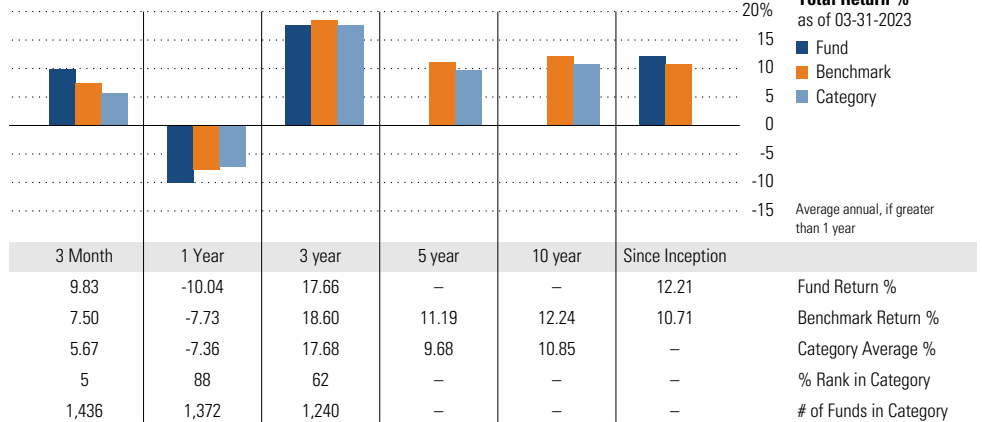
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

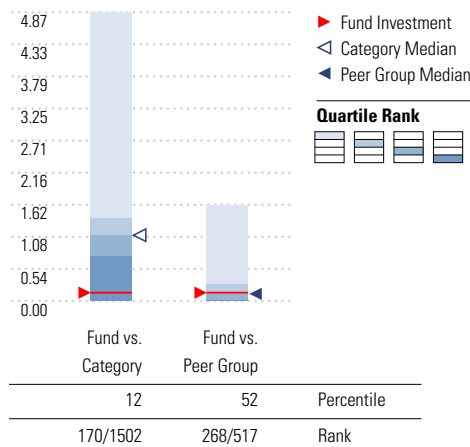
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-1.60	-	-0.27
Beta	1.05	-	0.94
R-Squared	98.64	-	94.87
Standard Deviation	20.39	19.23	18.62
Sharpe Ratio	0.84	0.92	0.88
Tracking Error	2.59	-	3.97
Information Ratio	-0.36	-	-1.04
Up Capture Ratio	102.64	-	93.75
Down Capture Ratio	108.41	-	94.82

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	22.87	19.90	18.81
Price/Book Ratio	4.33	3.64	3.46
Geom Avg Mkt Cap \$B	195.63	170.30	224.69
ROE	30.78	29.71	27.68

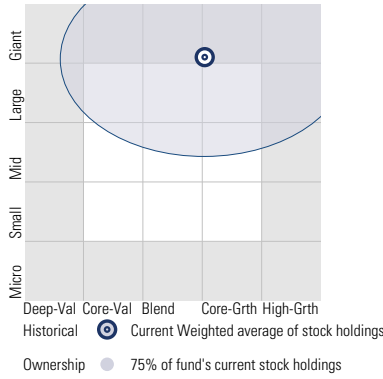
Vanguard FTSE Social Index Admiral VFTAX

Morningstar Category
Large Blend

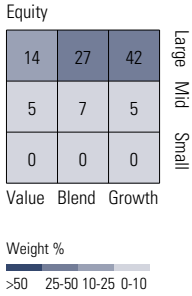
Morningstar Index
S&P 500 TR USD

Style Analysis as of 03-31-2023

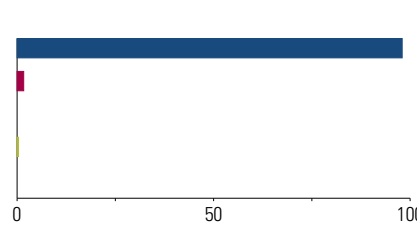
Morningstar Style Box™



Style Breakdown

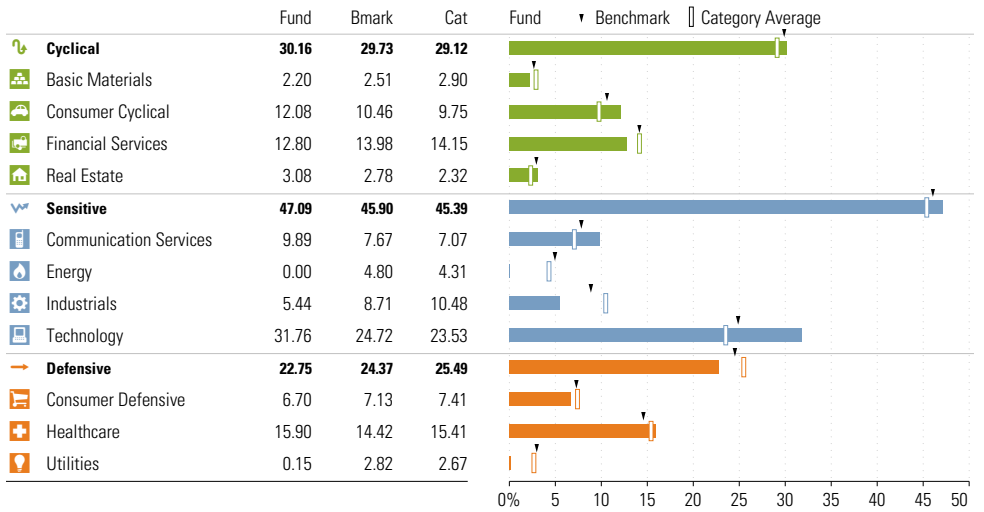


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	97.98	94.85
Non-US Stocks	1.68	2.91
Bonds	0.00	0.44
Cash	0.34	0.70
Other	0.00	1.09
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	8.40	8.40	27.09	Technology
⊕ Microsoft Corp	7.32	15.72	20.50	Technology
⊕ Amazon.com Inc	3.11	18.83	22.96	Consumer Cyclical
⊖ NVIDIA Corp	2.23	21.06	90.10	Technology
⊕ Alphabet Inc Class A	2.12	23.18	17.57	Communication Svc
⊖ Alphabet Inc Class C	1.84	25.02	17.21	Communication Svc
⊕ Tesla Inc	1.82	26.84	68.42	Consumer Cyclical
⊕ Meta Platforms Inc Class A	1.60	28.44	76.12	Communication Svc
⊕ UnitedHealth Group Inc	1.50	29.94	-10.55	Healthcare
⊕ JPMorgan Chase & Co	1.29	31.23	-2.08	Financial Services
⊕ Visa Inc Class A	1.24	32.47	8.74	Financial Services
⊕ Procter & Gamble Co	1.19	33.66	-1.29	Consumer Defensive
⊕ Mastercard Inc Class A	1.05	34.71	4.67	Financial Services
⊕ The Home Depot Inc	1.02	35.73	-5.90	Consumer Cyclical
⊕ Eli Lilly and Co	0.98	36.71	-5.82	Healthcare

Total Holdings 480

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Portfolio Manager(s)

John Madziyire since 11-2021

Quantitative Screens

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

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

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 82.76% lower than the Inflation-Protected Bond category average.

Morningstar Investment Management LLC Analysis

This fund fails the manager tenure screen; however, the current manager has earned results consistent with those of his predecessor.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.06	-	0.93
Beta	0.99	-	0.90
R-Squared	99.65	-	92.97
Standard Deviation	7.02	7.10	6.63
Sharpe Ratio	0.11	0.12	0.29
Tracking Error	0.43	-	2.03
Information Ratio	-0.20	-	0.14
Up Capture Ratio	98.51	-	94.57
Down Capture Ratio	99.21	-	84.84

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.86	4.52	6.46
Avg Eff Maturity	7.50	-	6.93

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Style Analysis as of 03-31-2023

Style Breakdown



Asset Allocation as of 03-31-2023

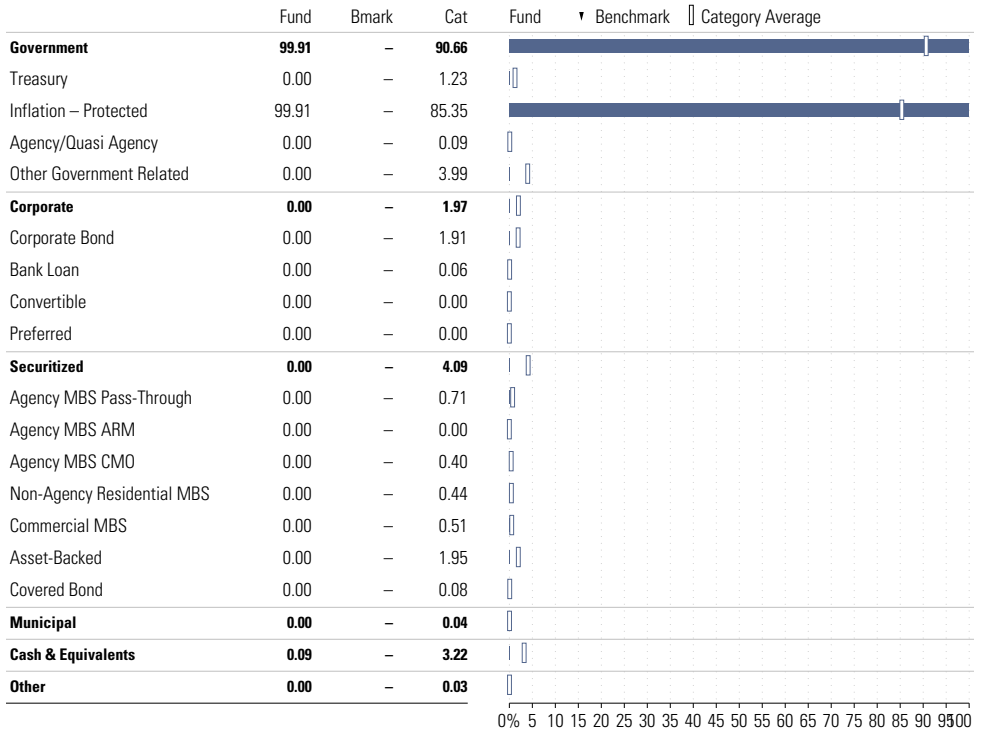


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	99.94	96.60
Cash	0.06	3.10
Other	0.00	0.29
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	99.14	0.00	97.23
AA	0.00	99.60	0.21
A	0.00	0.00	0.52
BBB	0.00	0.00	0.98
BB	0.00	0.00	0.12
B	0.00	0.00	0.04
Below B	0.00	0.00	0.01
Not Rated	0.86	0.40	0.89

Sector Weighting as of 03-31-2023



Top 10 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes	-	3.91	3.91	-
⊖ United States Treasury Notes	-	3.60	7.51	-
⊕ United States Treasury Notes	-	3.54	11.04	-
⊖ United States Treasury Notes	-	3.33	14.38	-
United States Treasury Notes	-	3.25	17.62	-
⊕ United States Treasury Notes	-	3.15	20.77	-
⊕ United States Treasury Notes	-	3.13	23.91	-
United States Treasury Notes	-	3.01	26.91	-
⊖ United States Treasury Notes	-	3.00	29.92	-
United States Treasury Notes	-	2.98	32.89	-

Total Holdings 50

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category
Mid-Cap Blend

Morningstar Index
Russell Mid Cap TR USD

Portfolio Manager(s)

Donald Butler since 05-1998
Awais Khan since 07-2021
Aurélie Denis since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap 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 24.88 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.32% lower than the Mid-Cap Blend category average.

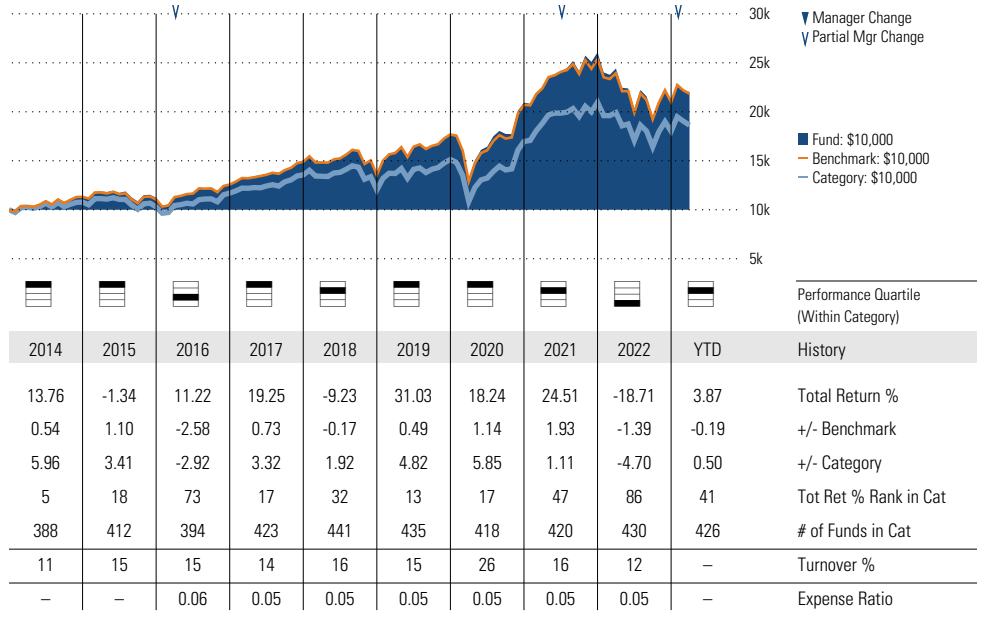
Morningstar Investment Management LLC Analysis

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.

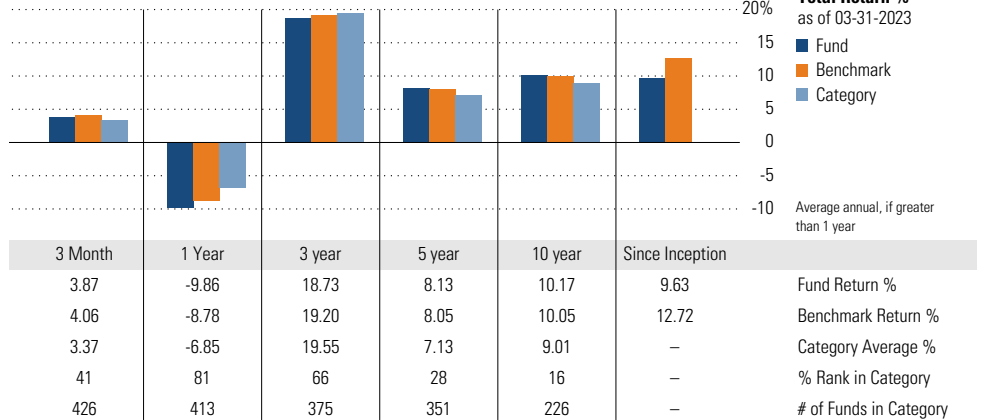
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	03-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

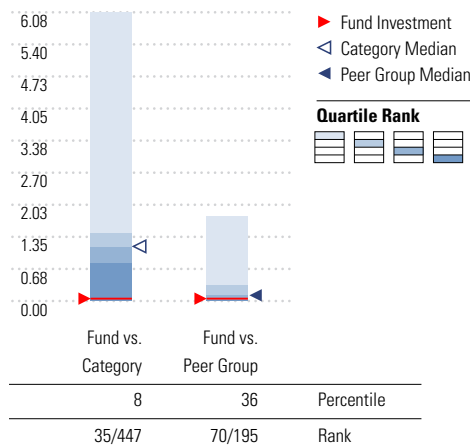
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.30	-	0.59
Beta	0.99	-	0.97
R-Squared	99.52	-	93.10
Standard Deviation	20.35	20.42	20.46
Sharpe Ratio	0.89	0.90	0.90
Tracking Error	1.41	-	5.41
Information Ratio	-0.33	-	-0.06
Up Capture Ratio	98.83	-	96.98
Down Capture Ratio	99.84	-	95.06

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.42	17.36	14.61
Price/Book Ratio	2.83	2.71	2.53
Geom Avg Mkt Cap \$B	23.24	17.95	9.91
ROE	19.46	19.49	22.17

Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

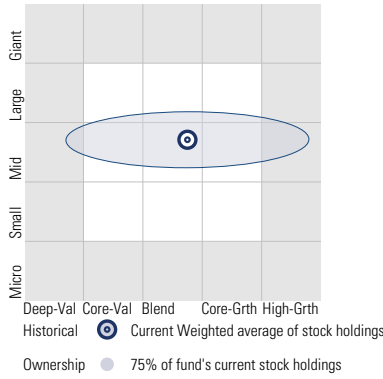
Mid-Cap Blend

Morningstar Index

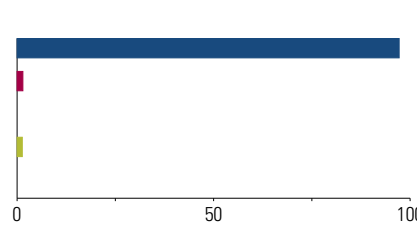
Russell Mid Cap TR USD

Style Analysis as of 03-31-2023

Morningstar Style Box™

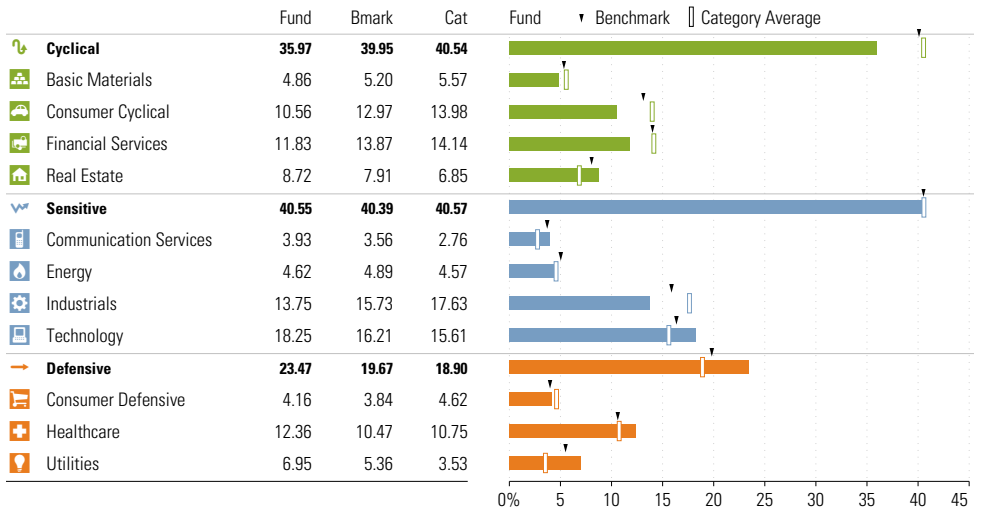


Asset Allocation as of 03-31-2023

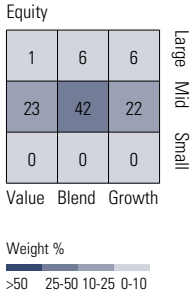


Asset Class	Net %	Cat%
US Stocks	97.21	95.94
Non-US Stocks	1.47	2.08
Bonds	0.00	0.05
Cash	1.32	1.61
Other	0.00	0.31
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Amphenol Corp Class A	0.80	0.80	7.60	Technology
⊕ Motorola Solutions Inc	0.79	1.59	11.37	Technology
⊖ Microchip Technology Inc	0.75	2.34	19.77	Technology
⊕ DexCom Inc	0.74	3.08	2.60	Healthcare
⊖ Corvea Inc	0.71	3.78	2.86	Basic Materials
⊕ MSCI Inc	0.70	4.48	20.62	Financial Services
⊕ Mktliq 12/31/2049	0.69	5.17	-	-
⊕ Realty Income Corp	0.69	5.86	1.02	Real Estate
⊕ Arthur J. Gallagher & Co	0.67	6.53	1.76	Financial Services
⊕ Cintas Corp	0.66	7.18	2.70	Industrials
⊕ Nucor Corp	0.65	7.84	17.58	Basic Materials
⊕ Arista Networks Inc	0.63	8.47	38.33	Technology
⊖ Cheniere Energy Inc	0.63	9.10	5.36	Energy
⊕ PACCAR Inc	0.63	9.73	11.32	Industrials
⊕ TransDigm Group Inc	0.63	10.36	17.06	Industrials

Total Holdings 346

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Small Cap Index Adm VSMAX

Morningstar Category
Small Blend

Morningstar Index
Russell 2000 TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Small 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 6.93 years.

✔ **Style:** The fund has landed in its primary style box — Small Blend — 82.35 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.9% lower than the Small Blend category average.

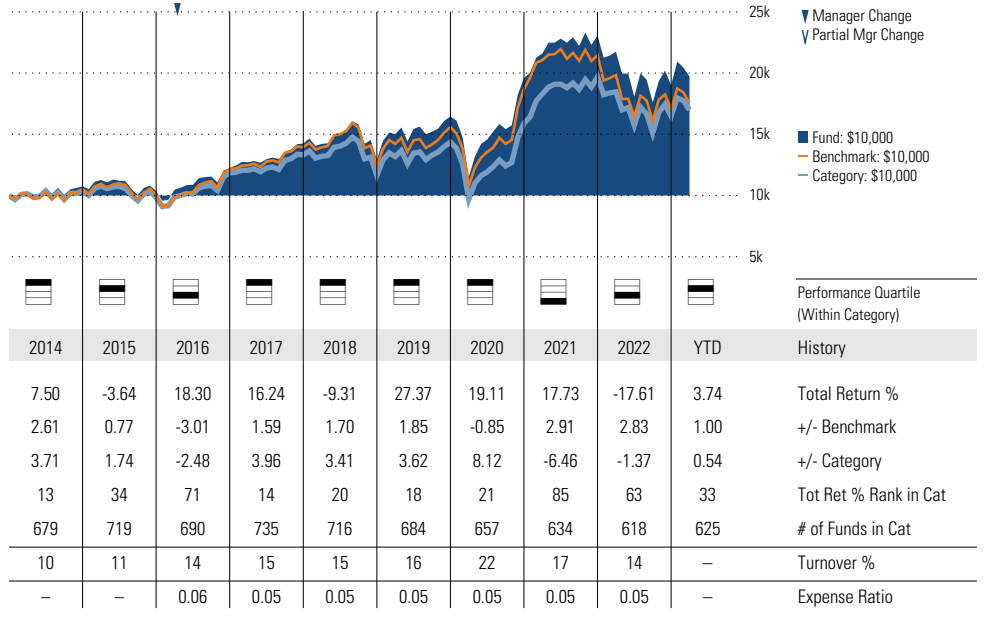
Morningstar Investment Management LLC Analysis

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.

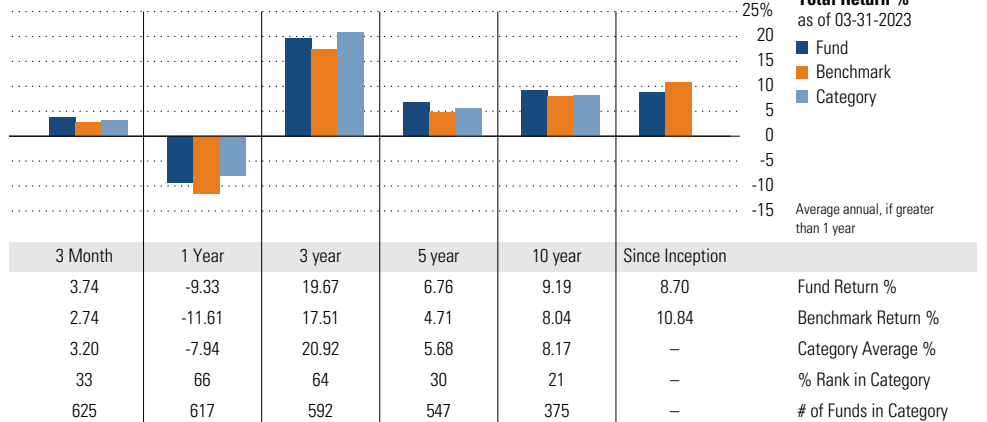
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	03-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

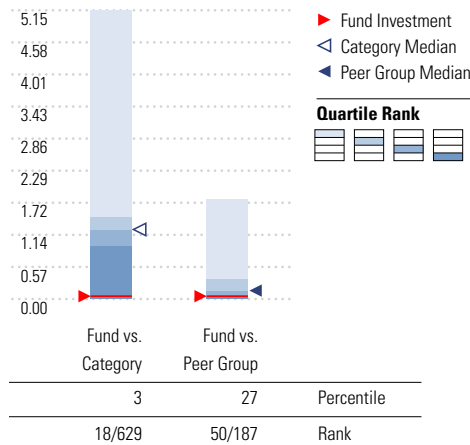
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.82	-	3.70
Beta	0.94	-	0.92
R-Squared	96.78	-	92.47
Standard Deviation	21.73	22.84	21.79
Sharpe Ratio	0.88	0.77	0.90
Tracking Error	4.17	-	5.92
Information Ratio	0.52	-	0.29
Up Capture Ratio	99.84	-	99.42
Down Capture Ratio	92.03	-	89.17

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.13	11.72	13.10
Price/Book Ratio	2.11	1.94	2.22
Geom Avg Mkt Cap \$B	5.05	2.31	4.35
ROE	14.31	10.00	21.33

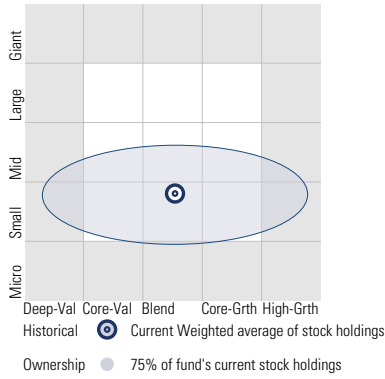
Vanguard Small Cap Index Adm VSMAX

Morningstar Category
Small Blend

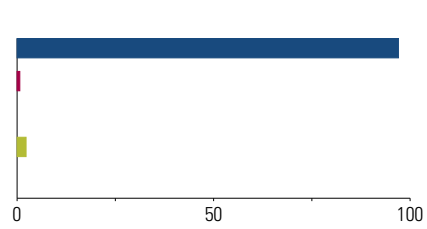
Morningstar Index
Russell 2000 TR USD

Style Analysis as of 03-31-2023

Morningstar Style Box™

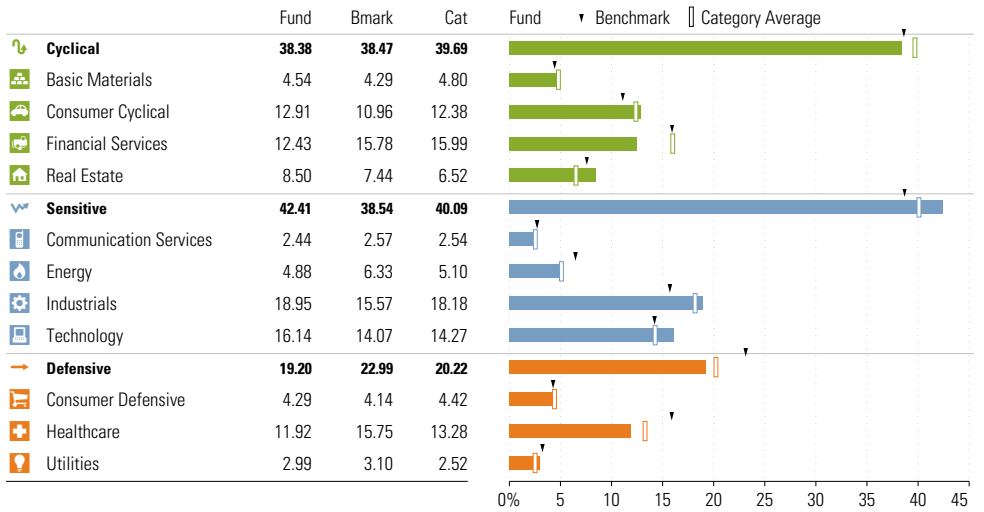


Asset Allocation as of 03-31-2023

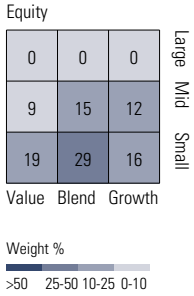


Asset Class	Net %	Cat%
US Stocks	97.03	95.73
Non-US Stocks	0.69	2.12
Bonds	0.00	0.74
Cash	2.28	1.12
Other	0.00	0.28
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 15 Holdings as of 03-31-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	1.56	1.56	-	-
⊖ Mktliq 12/31/2049	0.66	2.22	-	-
⊕ IDEX Corp	0.38	2.60	1.45	Industrials
⊖ Fair Isaac Corp	0.37	2.97	17.39	Technology
⊕ Targa Resources Corp	0.36	3.33	-0.27	Energy
⊕ Atmos Energy Corp	0.35	3.69	0.92	Utilities
⊕ Reliance Steel & Aluminum Co	0.33	4.02	27.32	Basic Materials
⊕ Liberty Formula One Group Registered Shs Series -C- Formula One	0.32	4.34	25.18	Communication Svc
⊖ Axon Enterprise Inc	0.32	4.66	35.51	Industrials
⊕ Bunge Ltd	0.31	4.97	-3.63	Consumer Defensive
⊕ PTC Inc	0.30	5.27	6.82	Technology
⊕ Lattice Semiconductor Corp	0.29	5.56	47.19	Technology
⊕ Builders FirstSource Inc	0.29	5.85	36.84	Industrials
⊕ Gaming and Leisure Properties Inc	0.29	6.13	1.80	Real Estate
⊕ Booz Allen Hamilton Holding Corp Class A	0.27	6.40	-10.87	Industrials

Total Holdings 1461

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2020 Fund VTWNX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

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 10.11 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 0.08 is 86.89% lower than the Target-Date 2020 category average.

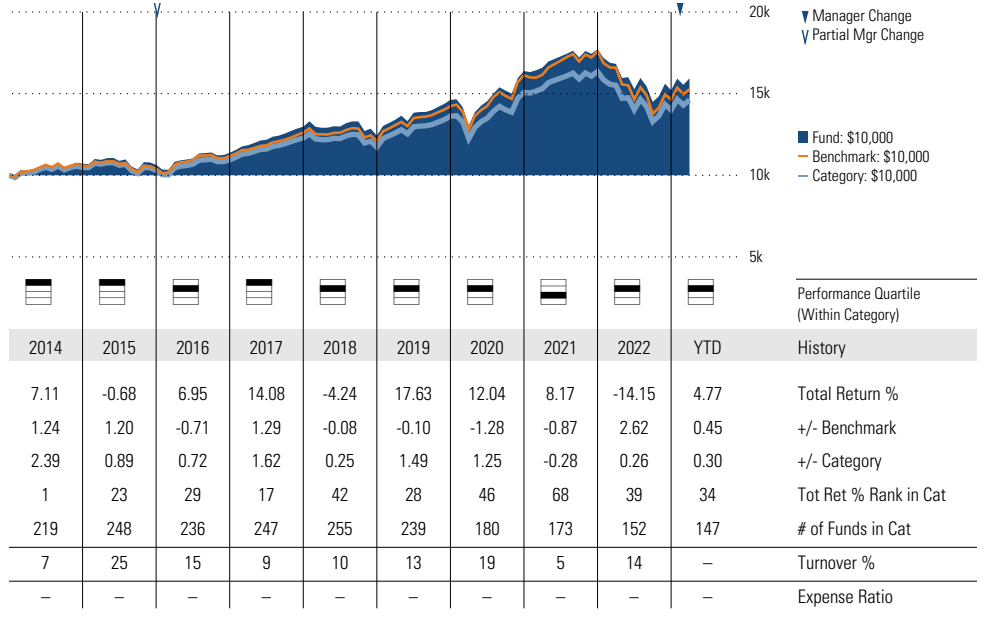
Morningstar Investment Management LLC Analysis

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.

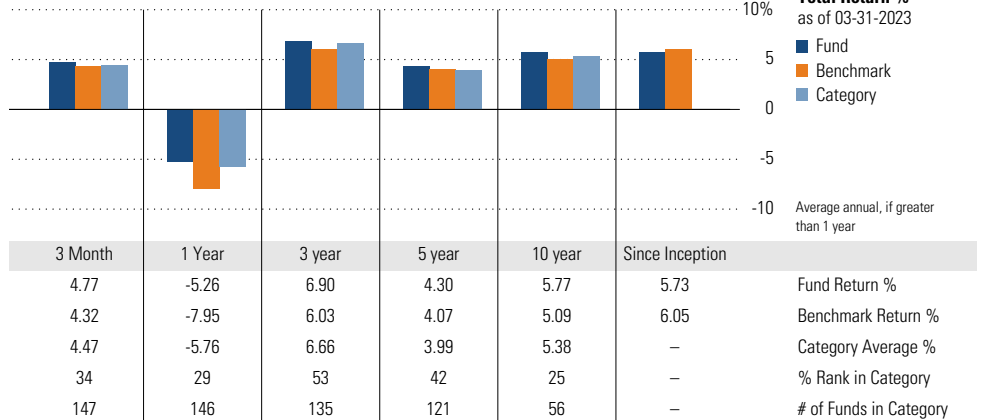
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
ESG Commitment	1-Low	02-15-2022

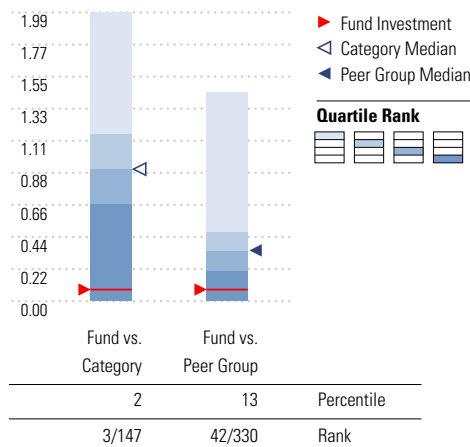
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.43	-	1.19
Beta	0.88	-	0.89
R-Squared	98.51	-	97.15
Standard Deviation	10.67	11.97	10.81
Sharpe Ratio	0.57	0.45	0.54
Tracking Error	1.90	-	2.32
Information Ratio	0.46	-	0.39
Up Capture Ratio	93.00	-	92.55
Down Capture Ratio	84.45	-	85.37

Portfolio Metrics

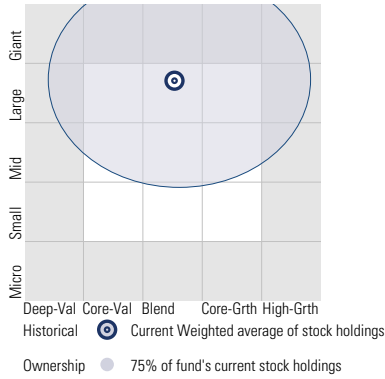
	Fund	Bmark	Cat
Price/Earnings Ratio	15.44	16.22	16.42
Price/Book Ratio	2.23	2.34	2.40
Avg Eff Duration	6.00	-	5.78

Vanguard Target Retirement 2020 Fund VTWNX

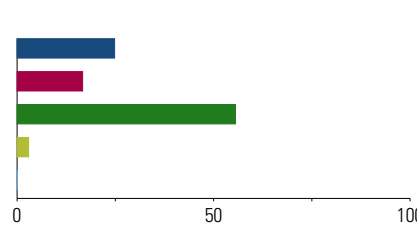
Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

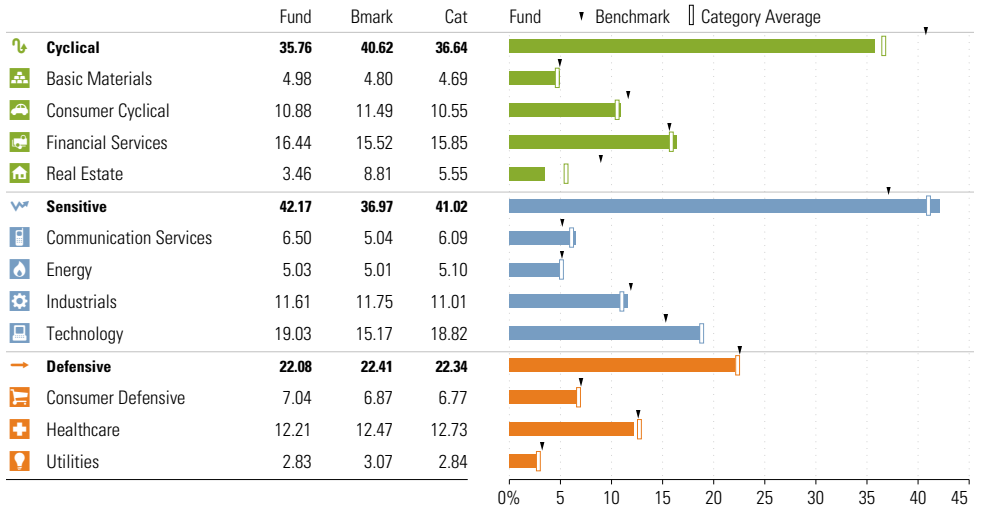


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	24.81	25.78
Non-US Stocks	16.67	14.07
Bonds	55.56	49.20
Cash	2.93	3.01
Other	0.03	7.94
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 7 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	31.77	31.77	-	-
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	25.16	56.94	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	17.04	73.97	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	14.08	88.05	-	-
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	10.90	98.95	-	-
⊕ Mktliq 12/31/2049	-	1.04	99.99	-	-
⊕ Us Dollar	-	0.01	100.00	-	-

Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2025 Fund VTTVX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

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 10.11 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 0.08 is 87.88% lower than the Target-Date 2025 category average.

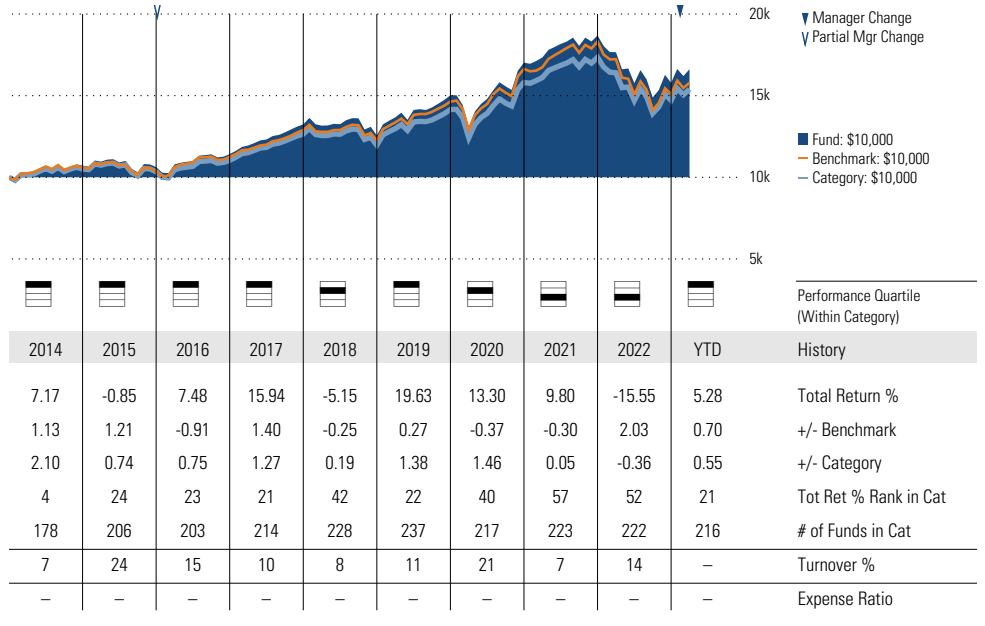
Morningstar Investment Management LLC Analysis

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.

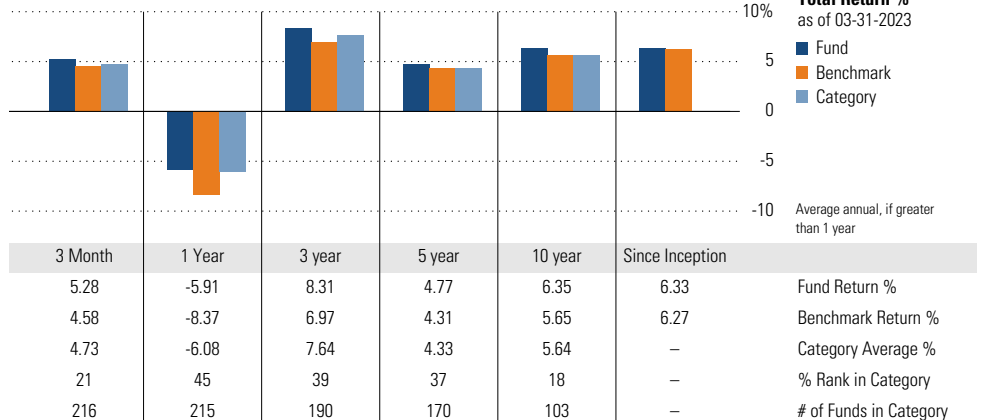
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

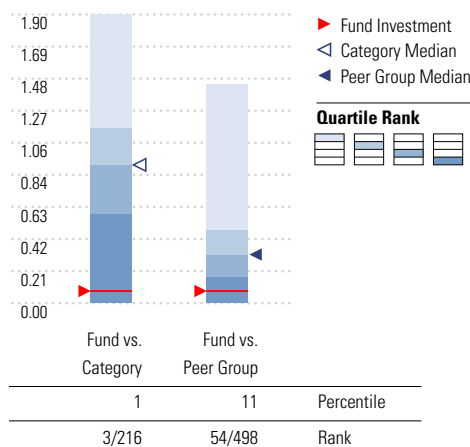
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.58	-	1.28
Beta	0.95	-	0.89
R-Squared	98.71	-	97.60
Standard Deviation	12.34	12.95	11.66
Sharpe Ratio	0.61	0.49	0.58
Tracking Error	1.56	-	2.43
Information Ratio	0.86	-	0.43
Up Capture Ratio	100.24	-	93.63
Down Capture Ratio	92.04	-	86.99

Portfolio Metrics

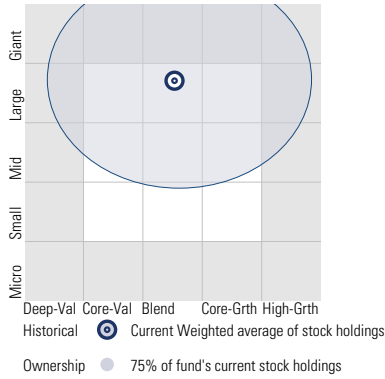
	Fund	Bmark	Cat
Price/Earnings Ratio	15.45	16.05	16.52
Price/Book Ratio	2.23	2.32	2.43
Avg Eff Duration	6.42	-	6.54

Vanguard Target Retirement 2025 Fund VTTVX

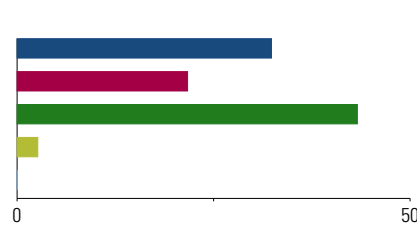
Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

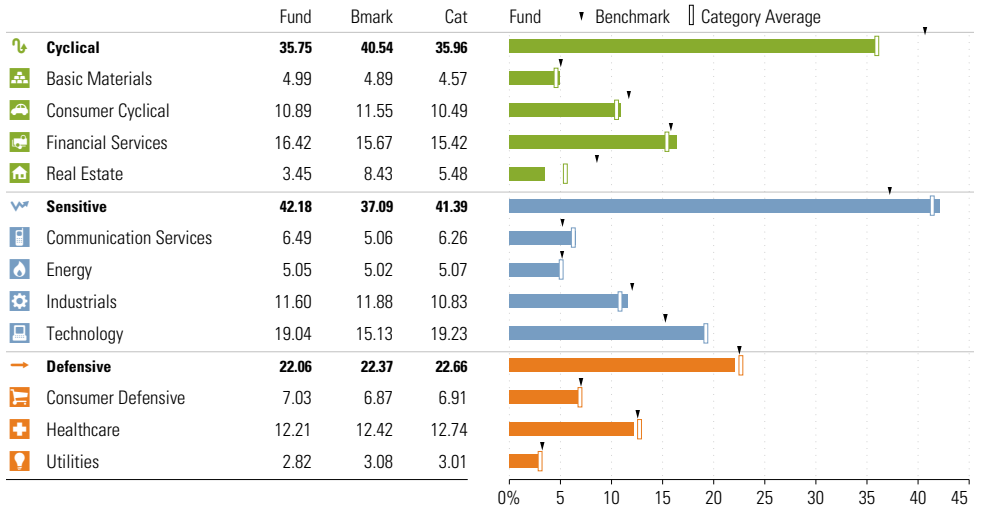


Asset Allocation as of 03-31-2023

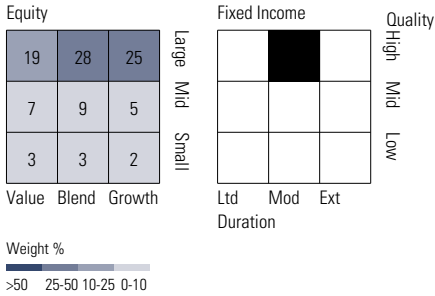


Asset Class	Net %	Cat%
US Stocks	32.36	28.92
Non-US Stocks	21.69	15.03
Bonds	43.29	41.64
Cash	2.63	3.72
Other	0.03	10.69
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 7 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	32.82	32.82	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	27.95	60.77	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	22.16	82.93	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	12.12	95.05	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	3.95	99.00	-	-
⊕ Mktliq 12/31/2049	-	0.98	99.98	-	-
⊕ Us Dollar	-	0.02	100.00	-	-

Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2030 Fund VTHRX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

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 10.11 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 0.08 is 88.24% lower than the Target-Date 2030 category average.

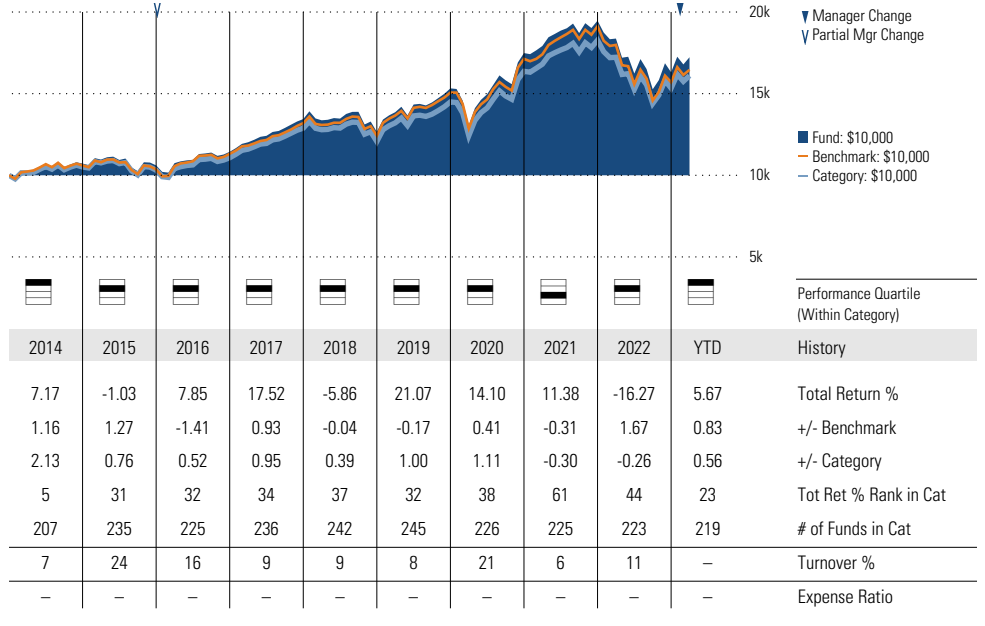
Morningstar Investment Management LLC Analysis

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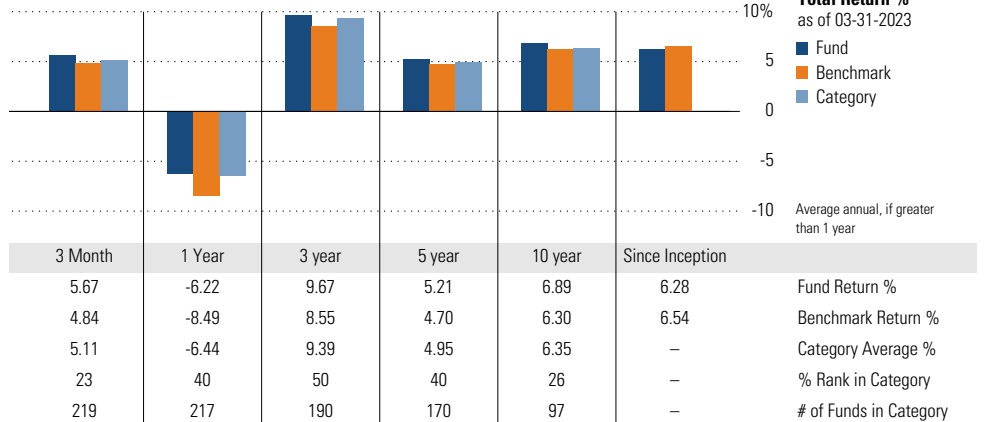
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

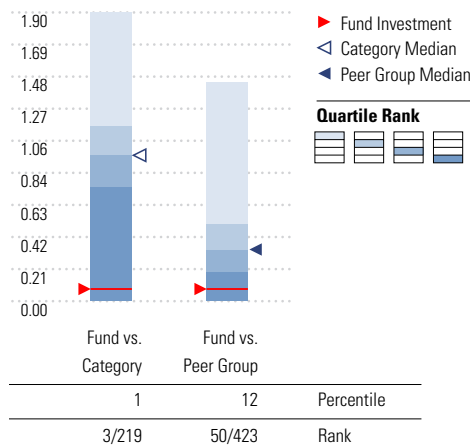
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.37	-	1.30
Beta	0.96	-	0.93
R-Squared	98.93	-	98.22
Standard Deviation	13.51	14.06	13.16
Sharpe Ratio	0.66	0.57	0.65
Tracking Error	1.53	-	2.16
Information Ratio	0.73	-	0.51
Up Capture Ratio	100.06	-	97.20
Down Capture Ratio	93.67	-	91.19

Portfolio Metrics

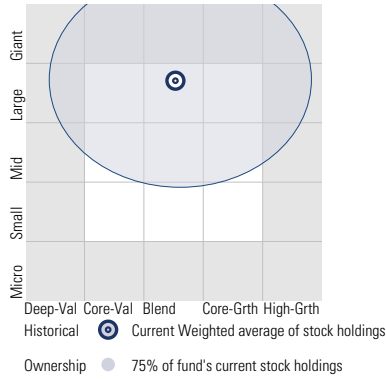
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.42	15.88	16.58
Price/Book Ratio	2.22	2.29	2.50
Avg Eff Duration	6.79	-	7.02

Vanguard Target Retirement 2030 Fund VTHRX

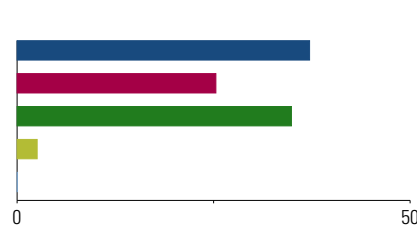
Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

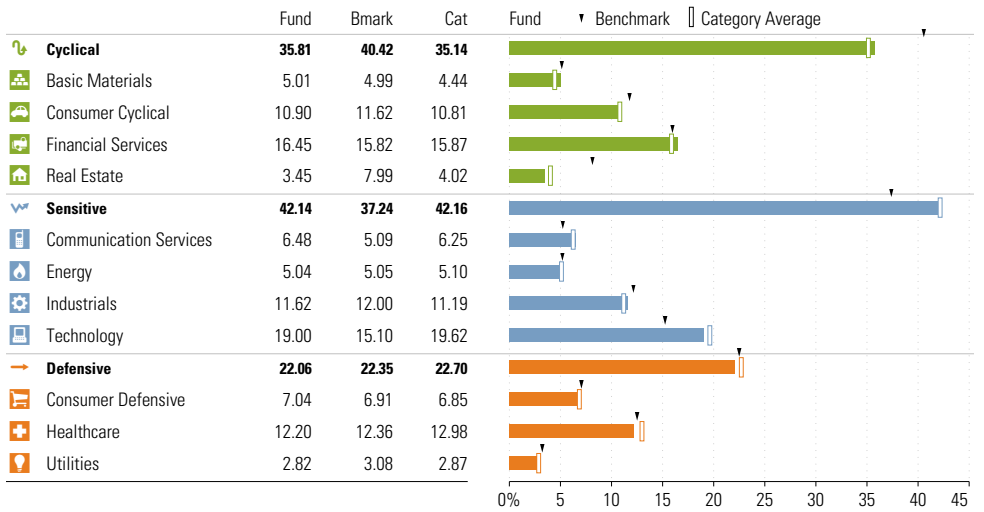


Asset Allocation as of 03-31-2023

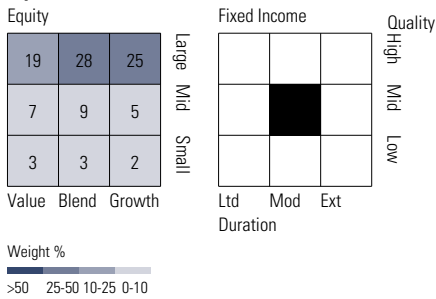


Asset Class	Net %	Cat%
US Stocks	37.21	35.25
Non-US Stocks	25.29	17.18
Bonds	34.90	31.79
Cash	2.55	2.12
Other	0.04	13.66
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	37.74	37.74	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	25.86	63.60	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	24.61	88.21	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	10.74	98.94	-	-
⊕ Mktliq 12/31/2049	-	1.03	99.97	-	-
⊕ Us Dollar	-	0.03	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2035 Fund VTTX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

Walter Nejman since 02-2013
Aurélie Denis since 02-2023
Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 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 10.11 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 0.08 is 88.24% lower than the Target-Date 2035 category average.

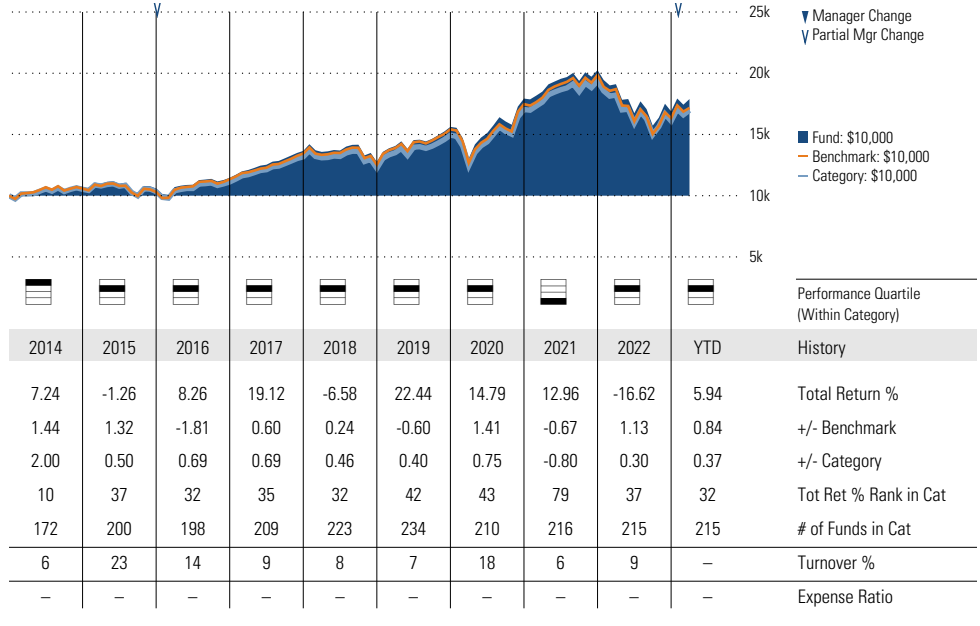
Morningstar Investment Management LLC Analysis

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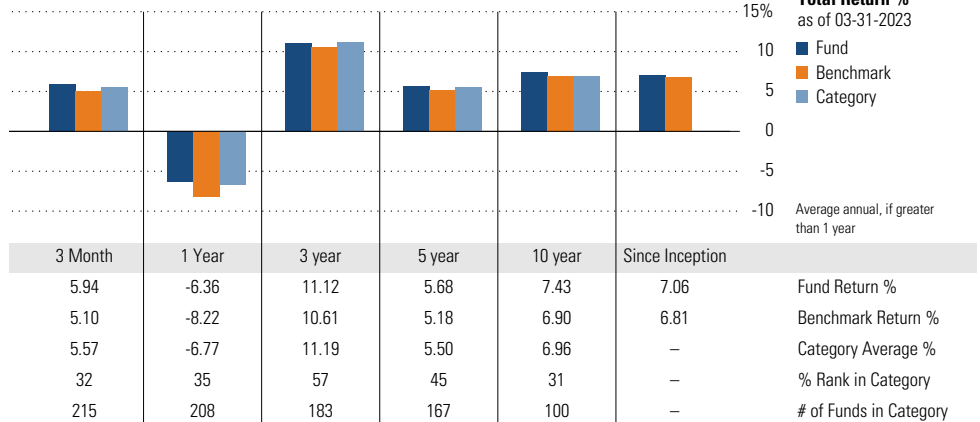
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

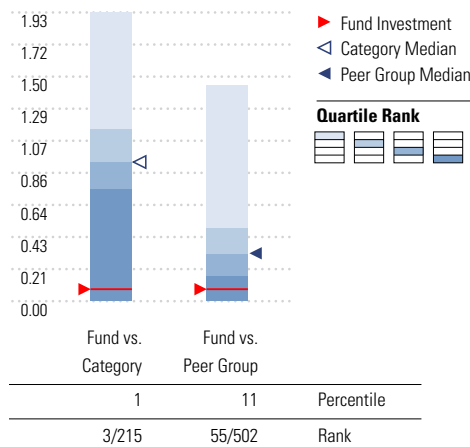
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.91	-	0.99
Beta	0.95	-	0.96
R-Squared	99.07	-	98.49
Standard Deviation	14.53	15.20	14.72
Sharpe Ratio	0.72	0.66	0.72
Tracking Error	1.59	-	2.03
Information Ratio	0.32	-	0.46
Up Capture Ratio	98.27	-	99.57
Down Capture Ratio	94.62	-	95.72

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.42	15.72	16.40
Price/Book Ratio	2.22	2.26	2.44
Avg Eff Duration	6.79	-	7.46

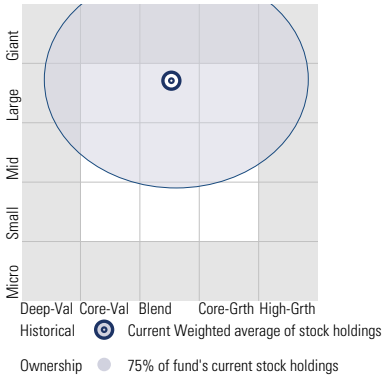
Vanguard Target Retirement 2035 Fund VTTHX

Morningstar Category
Target-Date 2035

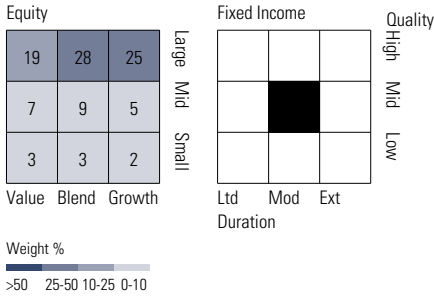
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 03-31-2023

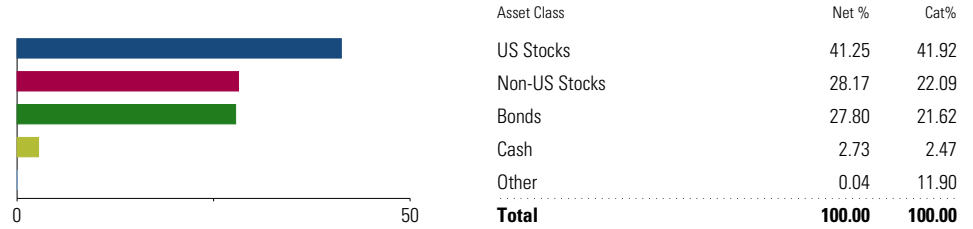
Morningstar Style Box™



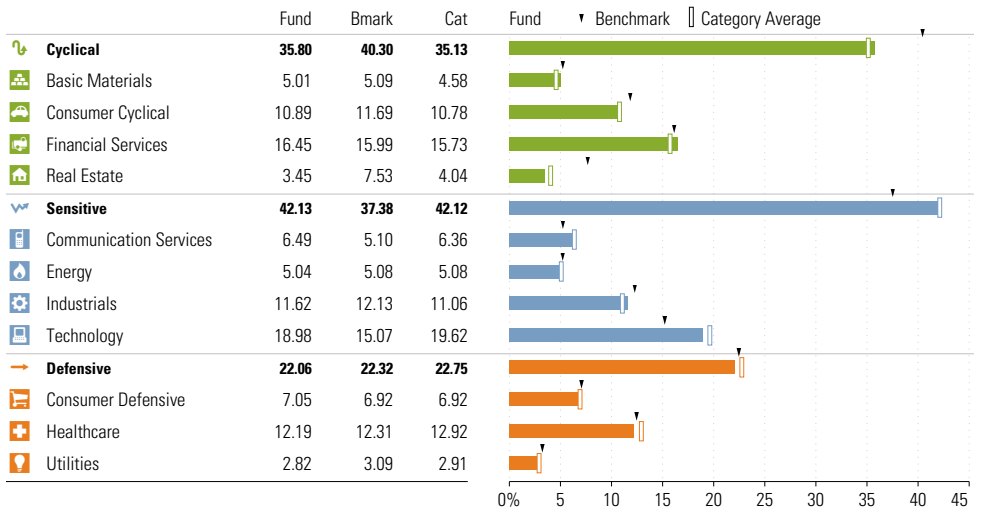
Style Breakdown



Asset Allocation as of 03-31-2023



Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	41.84	41.84	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	28.80	70.63	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	19.67	90.30	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	8.49	98.79	-	-
⊕ Mktliq 12/31/2049	-	1.18	99.98	-	-
⊕ Us Dollar	-	0.02	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2040 Fund VFORX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.11 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 0.08 is 88.57% lower than the Target-Date 2040 category average.

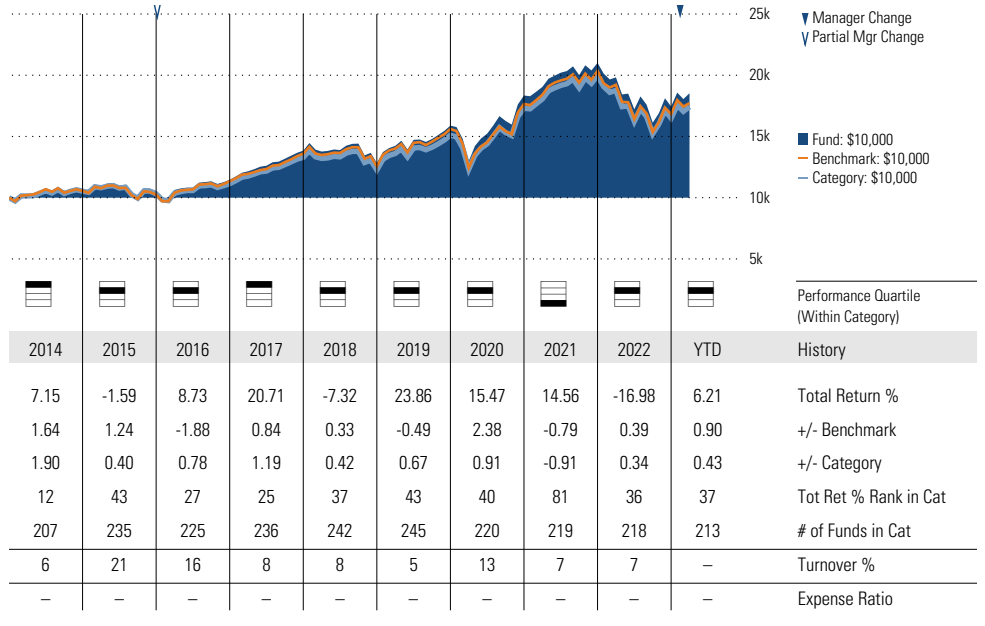
Morningstar Investment Management LLC Analysis

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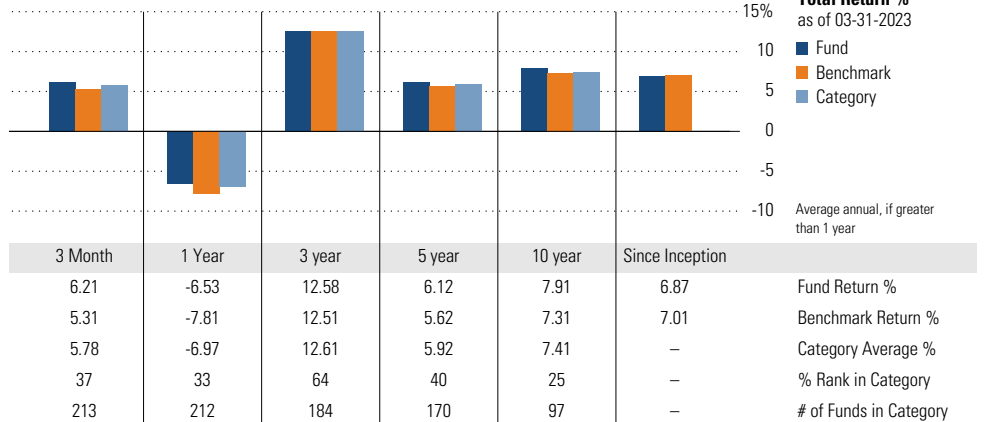
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

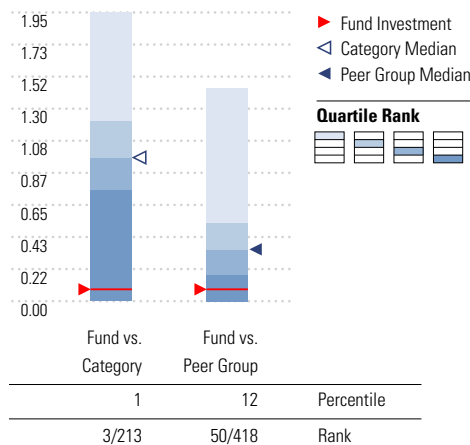
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.54	-	0.47
Beta	0.96	-	0.98
R-Squared	99.04	-	98.52
Standard Deviation	15.57	16.22	15.95
Sharpe Ratio	0.76	0.74	0.76
Tracking Error	1.69	-	2.10
Information Ratio	0.04	-	0.21
Up Capture Ratio	97.89	-	100.08
Down Capture Ratio	96.25	-	99.00

Portfolio Metrics

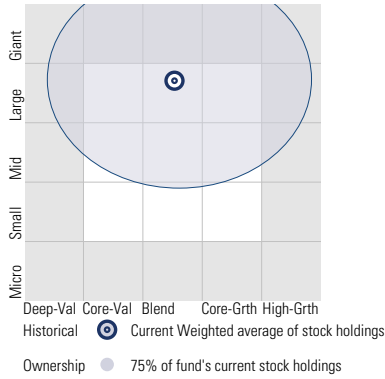
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.44	15.56	16.35
Price/Book Ratio	2.23	2.24	2.43
Avg Eff Duration	6.79	-	7.96

Vanguard Target Retirement 2040 Fund VFORX

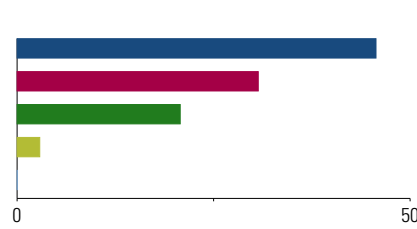
Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

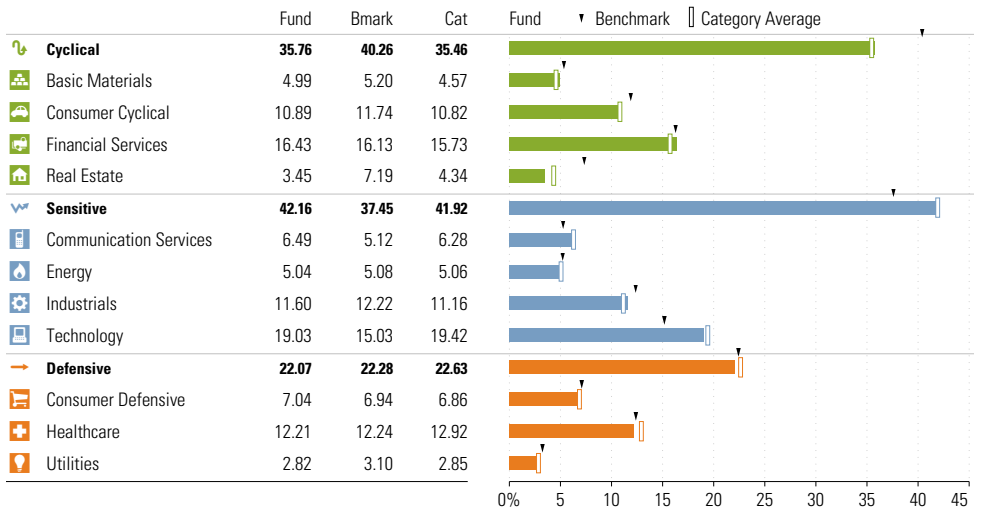


Asset Allocation as of 03-31-2023

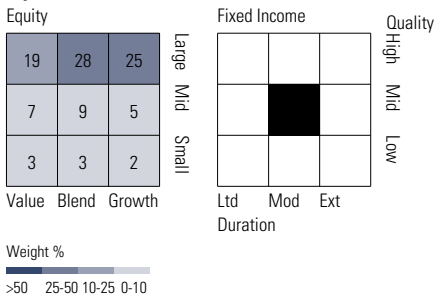


Asset Class	Net %	Cat%
US Stocks	45.66	48.64
Non-US Stocks	30.68	25.85
Bonds	20.75	13.38
Cash	2.88	1.87
Other	0.03	10.26
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	46.32	46.32	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	31.36	77.67	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	14.75	92.42	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	6.26	98.68	-	-
⊕ Mktliq 12/31/2049	-	1.29	99.97	-	-
⊕ Us Dollar	-	0.03	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2045 Fund VTIVX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

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 10.11 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 0.08 is 88.57% lower than the Target-Date 2045 category average.

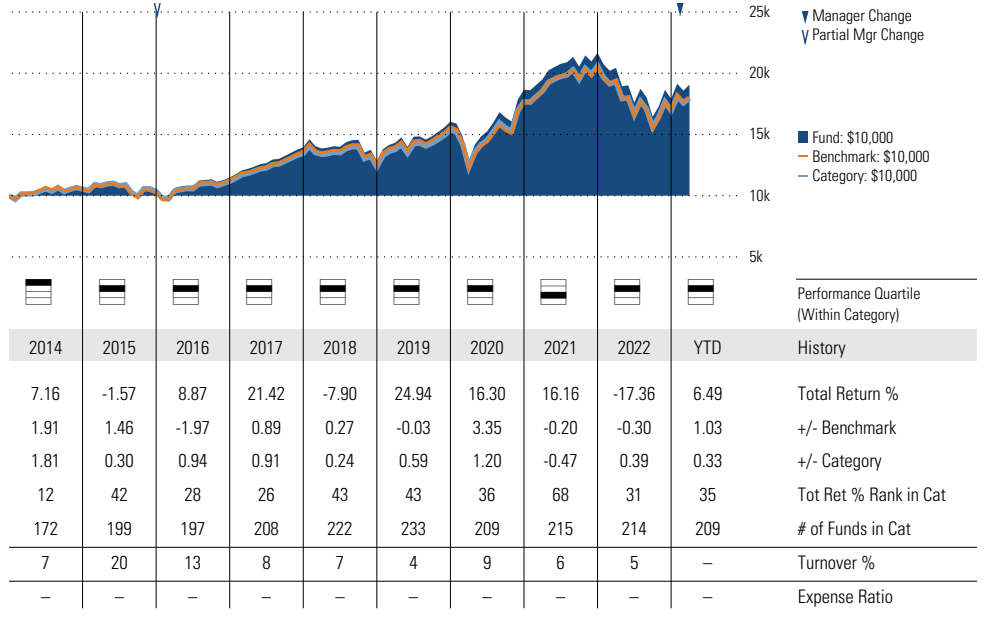
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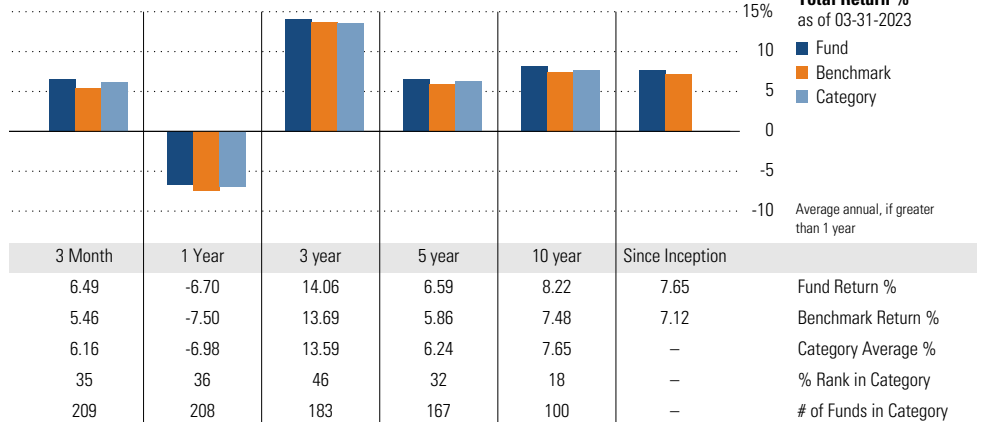
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

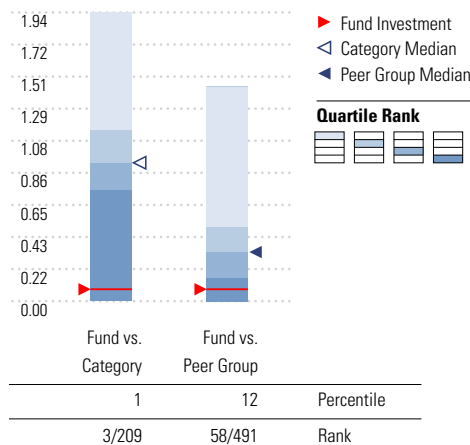
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.55	-	0.19
Beta	0.98	-	0.98
R-Squared	98.96	-	98.45
Standard Deviation	16.65	16.87	16.74
Sharpe Ratio	0.80	0.78	0.78
Tracking Error	1.72	-	2.16
Information Ratio	0.22	-	0.08
Up Capture Ratio	100.77	-	100.55
Down Capture Ratio	99.47	-	100.96

Portfolio Metrics

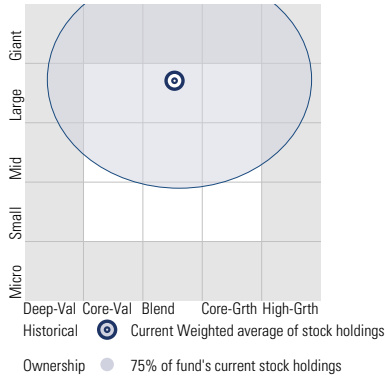
	Fund	Bmark	Cat
Price/Earnings Ratio	15.45	15.42	16.33
Price/Book Ratio	2.23	2.21	2.41
Avg Eff Duration	6.79	-	8.71

Vanguard Target Retirement 2045 Fund VTIVX

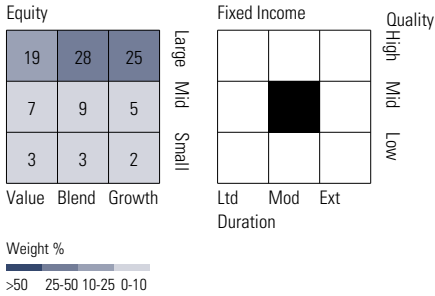
Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

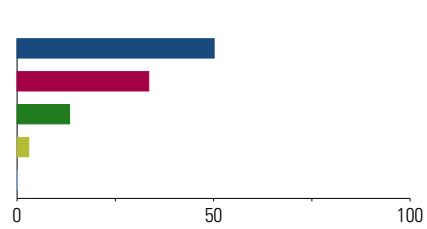
Style Analysis as of 03-31-2023
Morningstar Style Box™



Style Breakdown

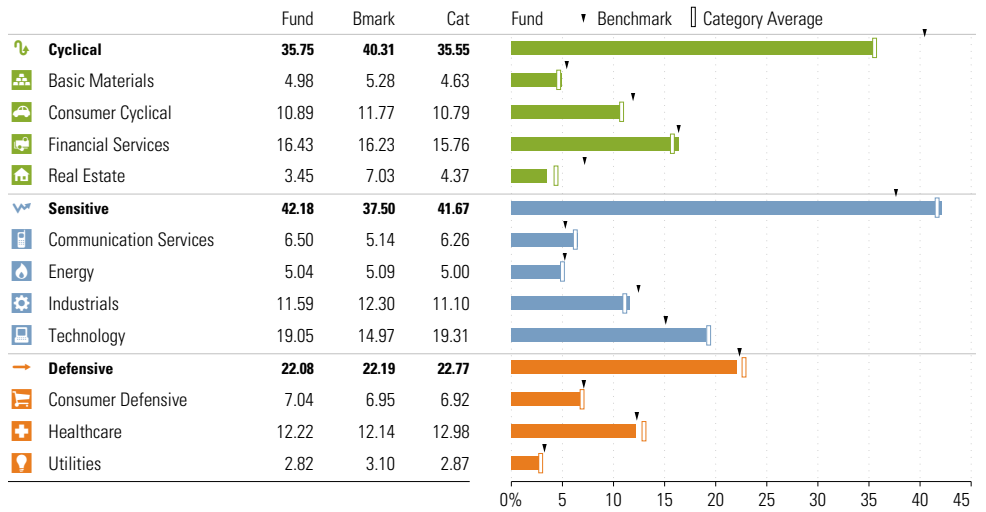


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	50.14	51.55
Non-US Stocks	33.50	28.06
Bonds	13.36	7.32
Cash	2.97	2.02
Other	0.04	11.05
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	50.86	50.86	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	34.23	85.10	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	9.52	94.62	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	4.00	98.62	-	-
⊕ Mktliq 12/31/2049	-	1.35	99.97	-	-
⊕ Us Dollar	-	0.03	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2050 Fund VFI5X

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

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 10.11 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 0.08 is 88.73% lower than the Target-Date 2050 category average.

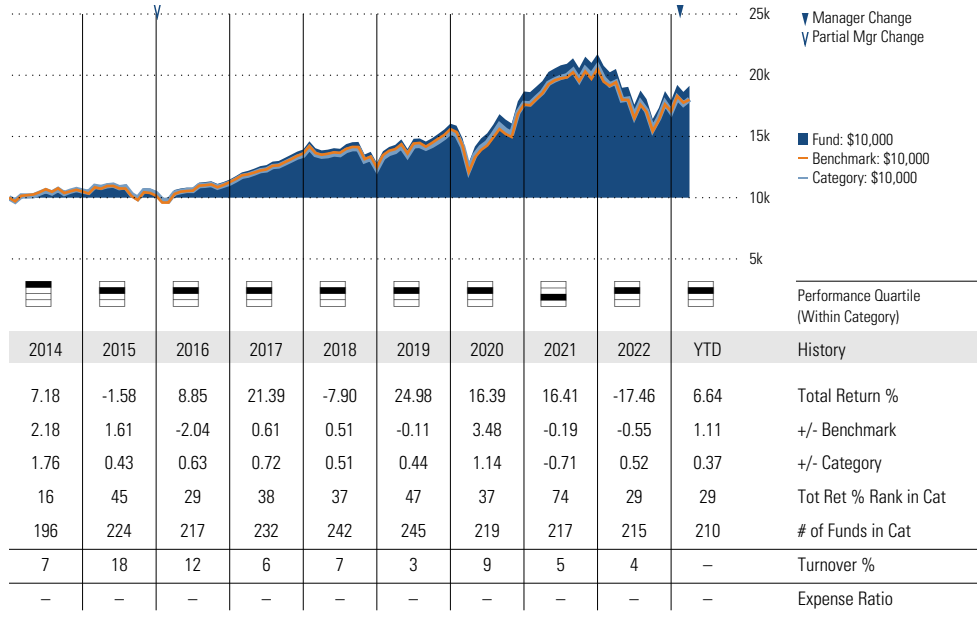
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This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement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

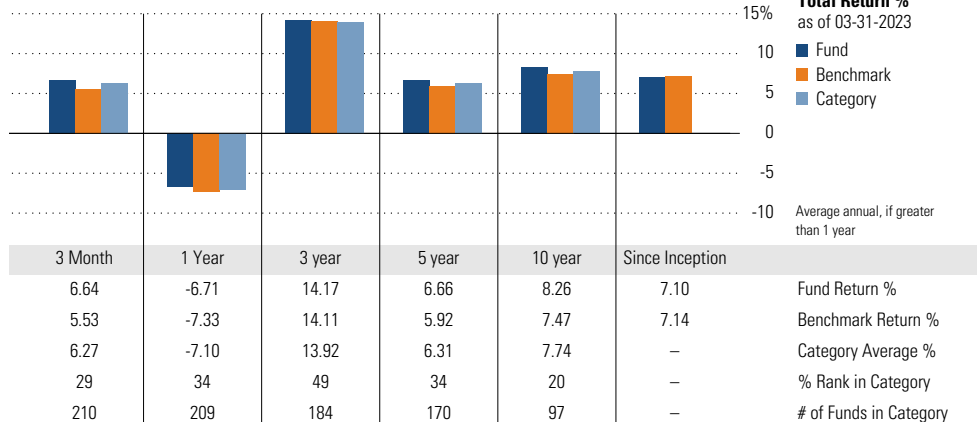
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

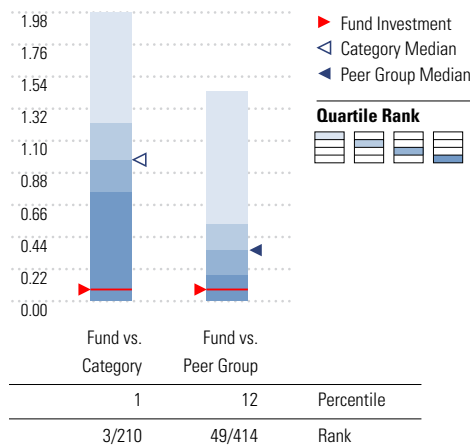
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.30	-	0.02
Beta	0.98	-	0.99
R-Squared	98.91	-	98.37
Standard Deviation	16.89	17.13	17.11
Sharpe Ratio	0.80	0.79	0.78
Tracking Error	1.79	-	2.21
Information Ratio	0.04	-	0.00
Up Capture Ratio	100.39	-	101.09
Down Capture Ratio	100.35	-	102.43

Portfolio Metrics

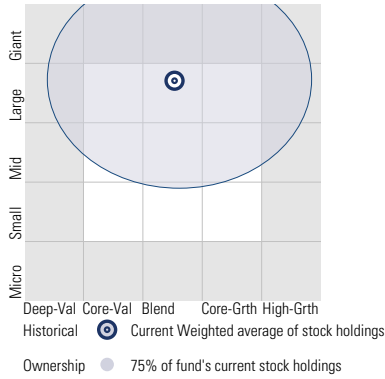
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.46	15.30	16.35
Price/Book Ratio	2.23	2.19	2.41
Avg Eff Duration	6.78	-	8.79

Vanguard Target Retirement 2050 Fund VFIFFX

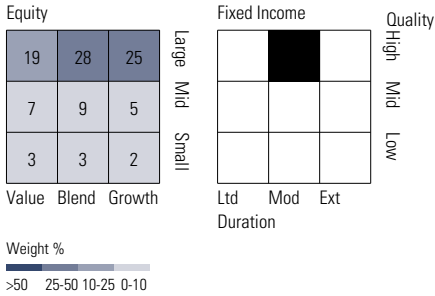
Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

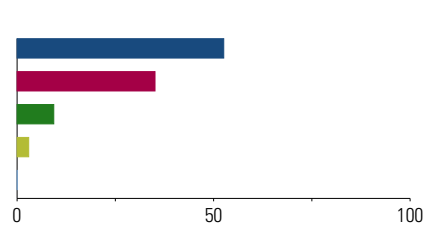
Style Analysis as of 03-31-2023
Morningstar Style Box™



Style Breakdown

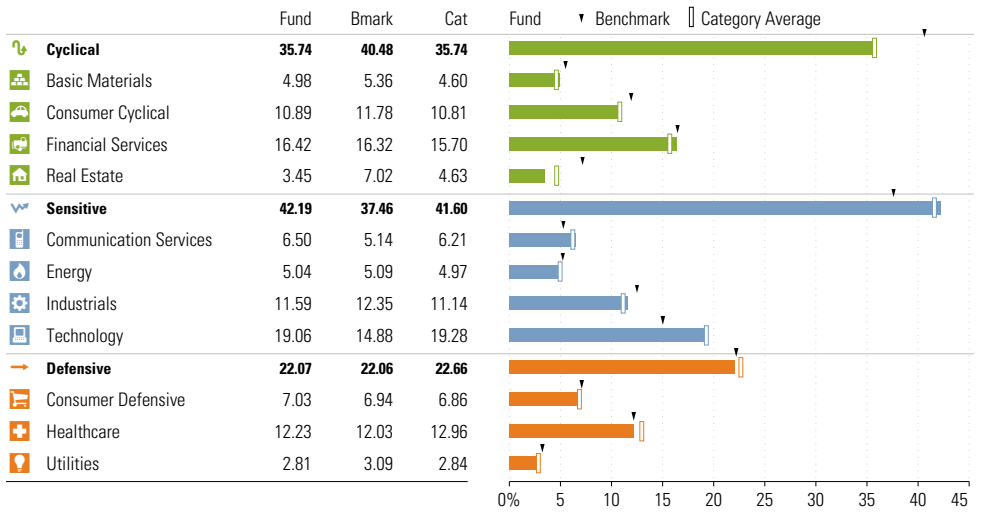


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	52.58	54.30
Non-US Stocks	35.09	28.81
Bonds	9.33	5.14
Cash	2.95	1.80
Other	0.04	9.94
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.34	53.34	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.87	89.21	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.71	95.92	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.73	98.65	-	-
⊕ Mktliq 12/31/2049	-	1.31	99.96	-	-
⊕ Us Dollar	-	0.04	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2055 Fund VFFVX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 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 10.11 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 0.08 is 88.73% lower than the Target-Date 2055 category average.

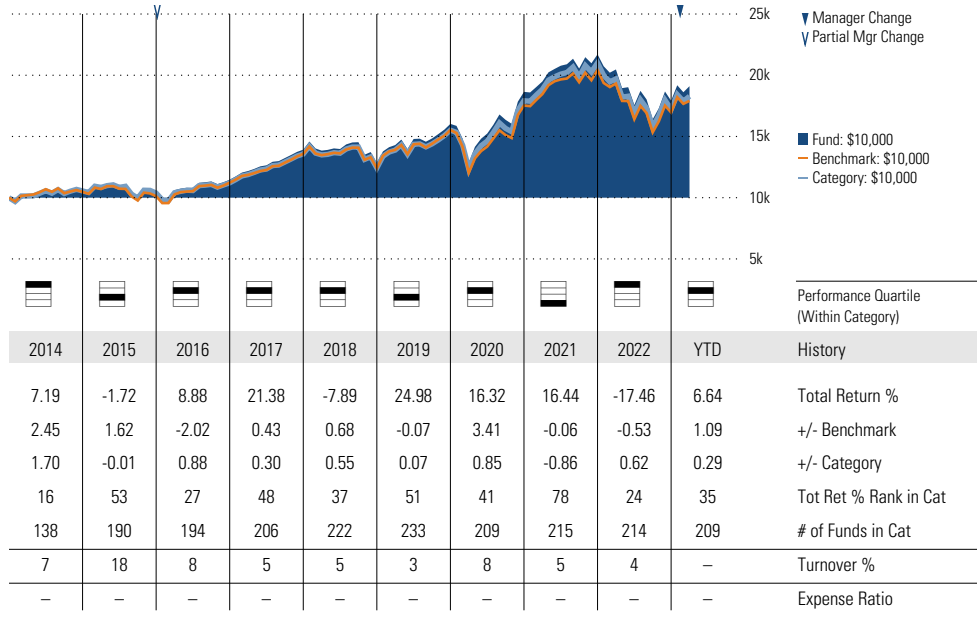
Morningstar Investment Management LLC Analysis

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.

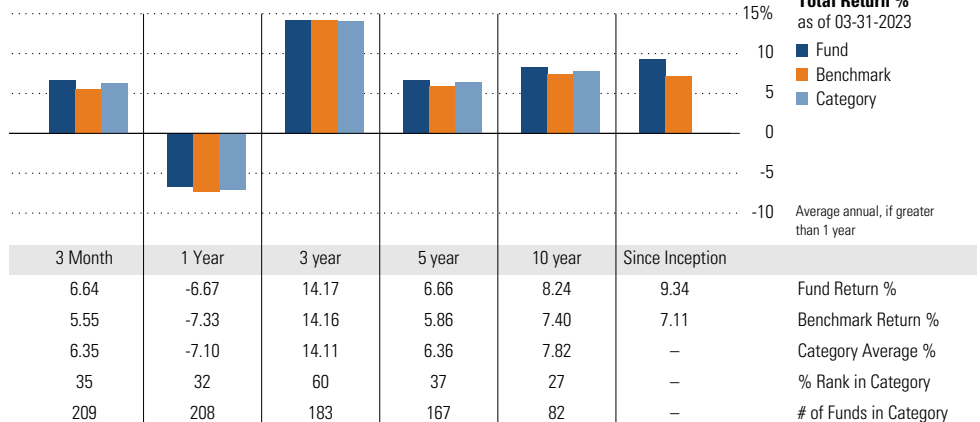
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

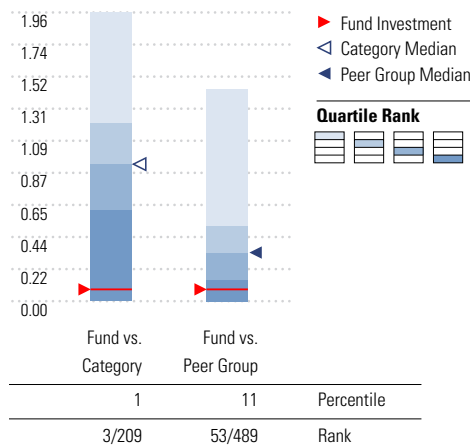
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.30	-	0.06
Beta	0.98	-	0.99
R-Squared	98.86	-	98.30
Standard Deviation	16.88	17.19	17.23
Sharpe Ratio	0.80	0.79	0.78
Tracking Error	1.84	-	2.24
Information Ratio	0.01	-	0.03
Up Capture Ratio	100.12	-	101.66
Down Capture Ratio	100.15	-	102.94

Portfolio Metrics

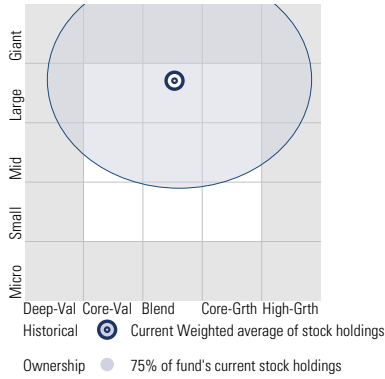
	Fund	Bmark	Cat
Price/Earnings Ratio	15.46	15.19	16.31
Price/Book Ratio	2.23	2.17	2.40
Avg Eff Duration	6.78	-	9.72

Vanguard Target Retirement 2055 Fund VFFVX

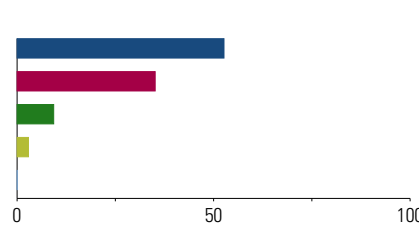
Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

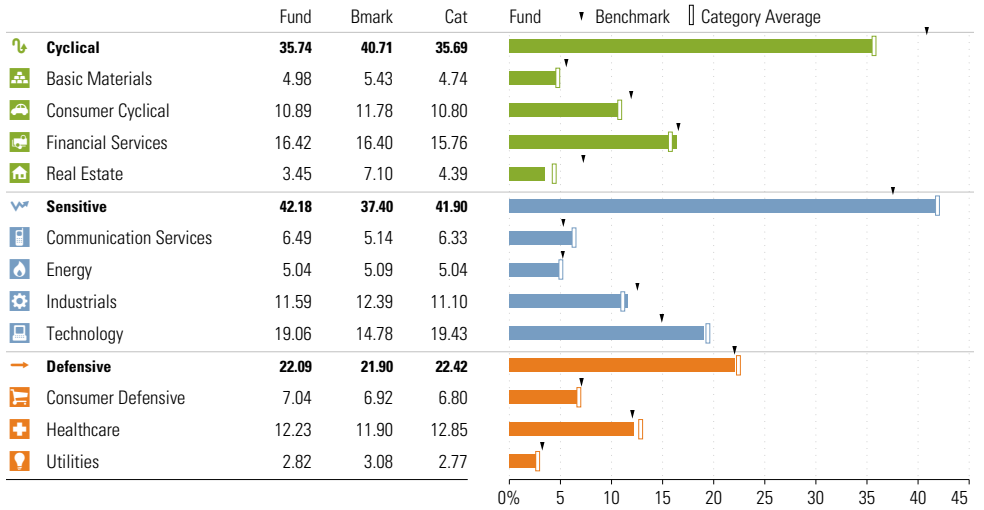


Asset Allocation as of 03-31-2023

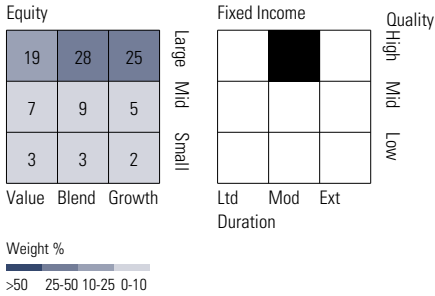


Asset Class	Net %	Cat%
US Stocks	52.64	54.19
Non-US Stocks	35.13	30.35
Bonds	9.31	4.83
Cash	2.89	1.50
Other	0.04	9.15
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.40	53.40	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.90	89.29	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.70	95.99	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.73	98.72	-	-
⊕ Mktliq 12/31/2049	-	1.25	99.97	-	-
⊕ Us Dollar	-	0.03	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2060 Fund VTTX

Morningstar Category
Target-Date 2060

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023
Aurélie Denis since 02-2023

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 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 10.11 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 0.08 is 88.73% lower than the Target-Date 2060 category average.

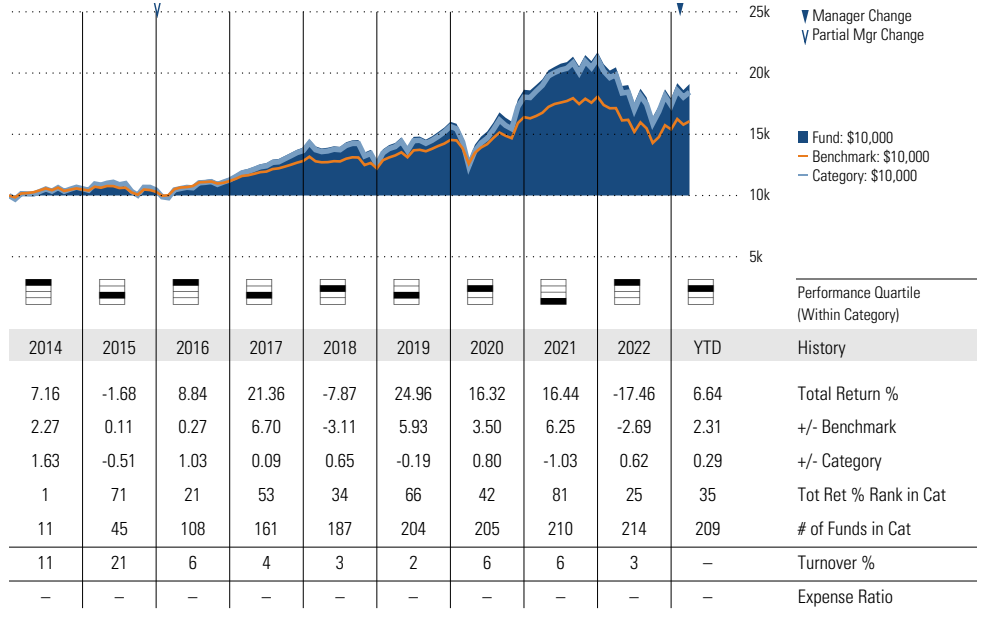
Morningstar Investment Management LLC Analysis

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.

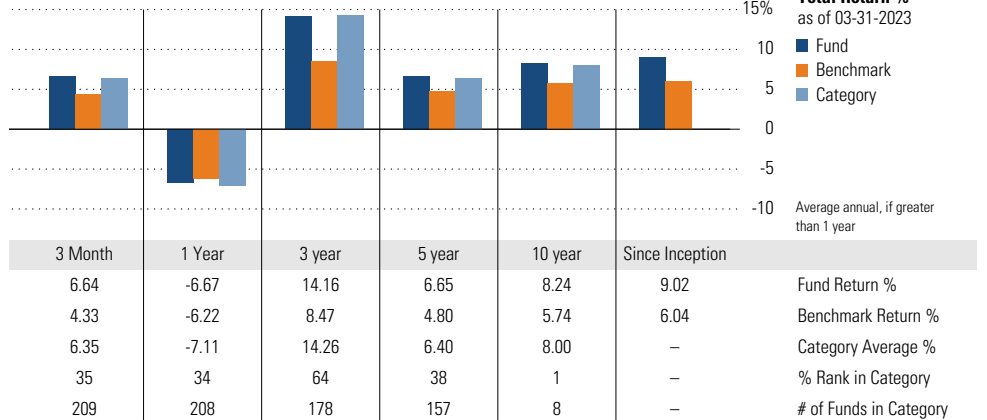
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

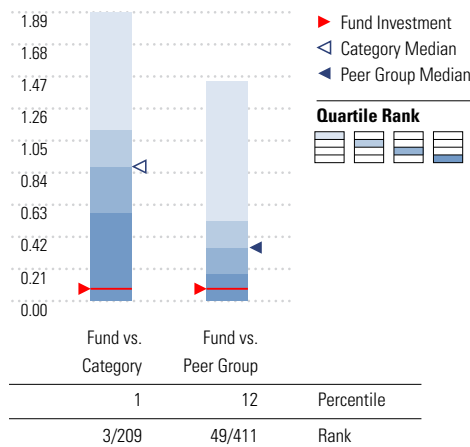
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.97	-	2.85
Beta	1.31	-	1.34
R-Squared	98.53	-	97.48
Standard Deviation	16.86	12.77	17.31
Sharpe Ratio	0.80	0.61	0.79
Tracking Error	4.46	-	5.14
Information Ratio	1.28	-	1.12
Up Capture Ratio	142.39	-	145.42
Down Capture Ratio	128.51	-	132.66

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.45	15.15	16.28
Price/Book Ratio	2.23	2.14	2.39
Avg Eff Duration	6.78	-	8.09

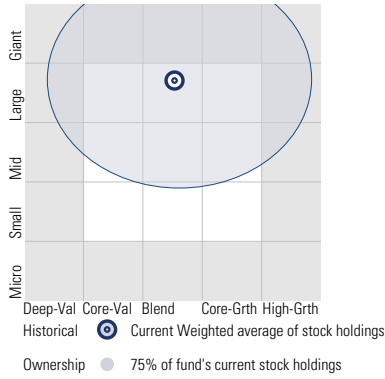
Vanguard Target Retirement 2060 Fund VTTSX

Morningstar Category
Target-Date 2060

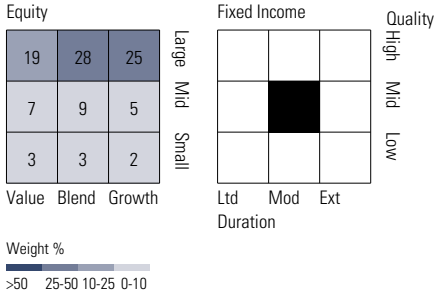
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2023

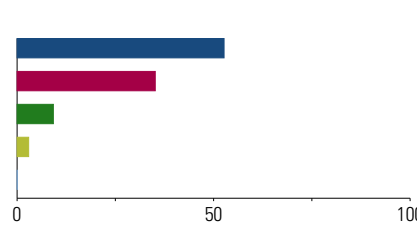
Morningstar Style Box™



Style Breakdown

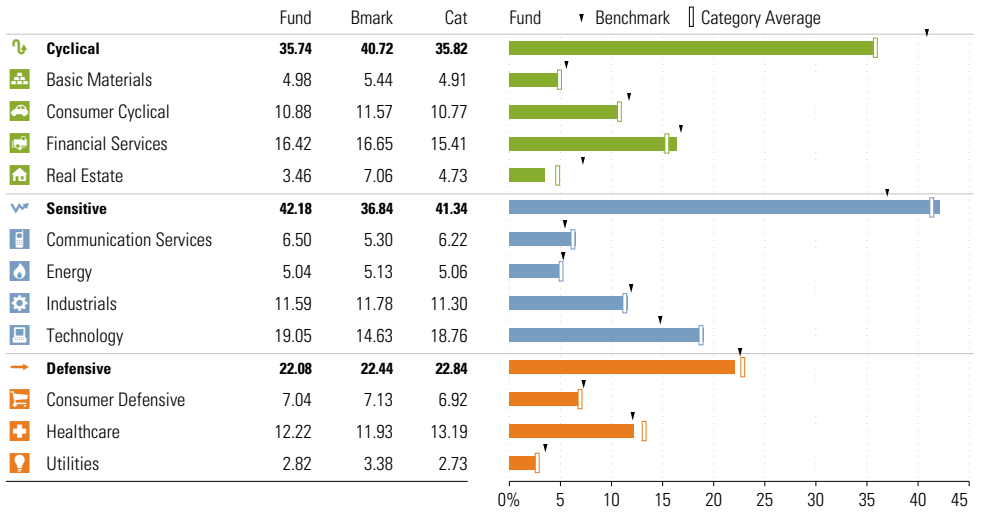


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	52.66	51.71
Non-US Stocks	35.15	32.04
Bonds	9.22	4.58
Cash	2.94	1.92
Other	0.04	9.74
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.41	53.41	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.92	89.33	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.61	95.94	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.73	98.67	-	-
⊕ Mktliq 12/31/2049	-	1.29	99.96	-	-
⊕ Us Dollar	-	0.04	100.00	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2065 Fund VLXVX

Morningstar Category
Target-Date 2065+

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Aurélie Denis since 02-2023
Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2065+ category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 5.72 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 0.08 is 88.57% lower than the Target-Date 2065+ category average.

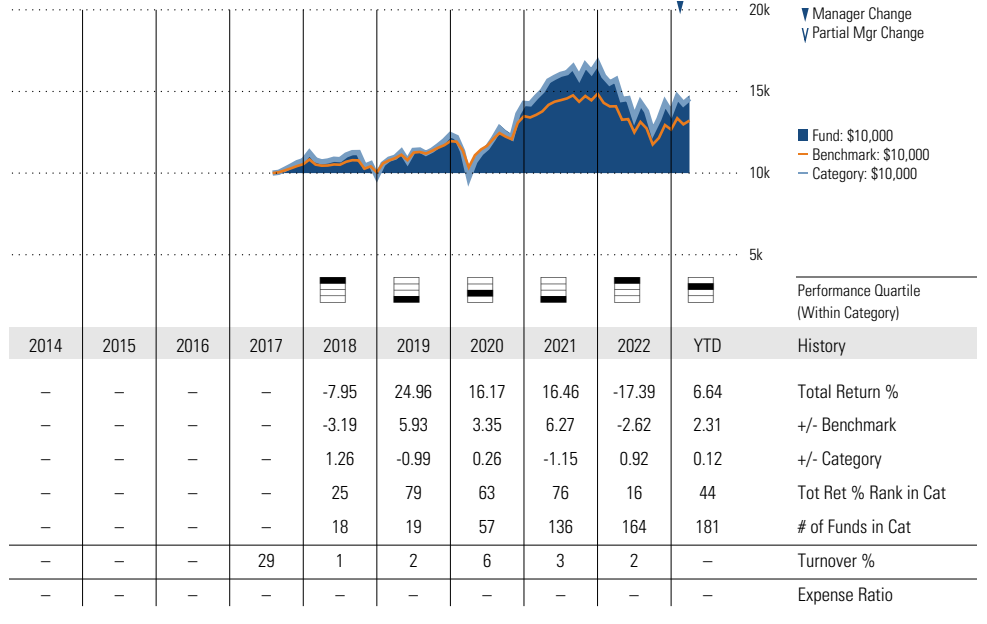
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen but we maintain our long-term conviction in this target-date series and continue to be comfortable recommending it for retirement plans. This fund also fails our style screen, but because it is a target-date fund we do not consider this a concern.

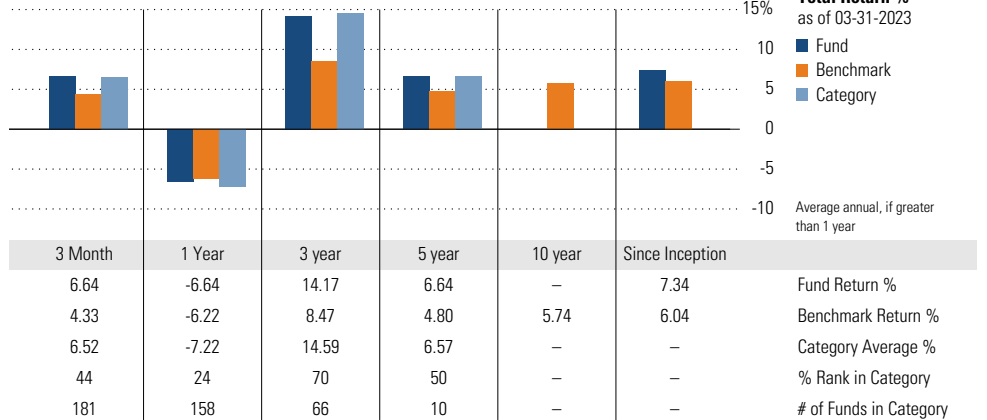
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

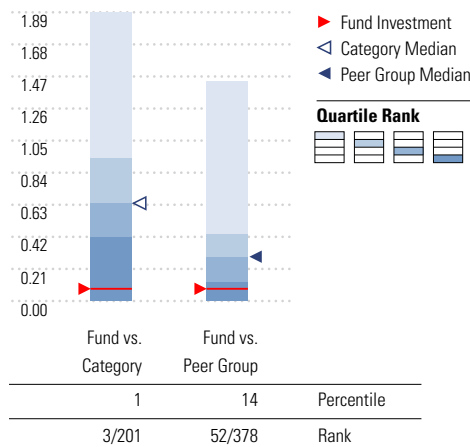
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.98	-	2.89
Beta	1.31	-	1.37
R-Squared	98.52	-	97.82
Standard Deviation	16.86	12.77	17.66
Sharpe Ratio	0.80	0.61	0.79
Tracking Error	4.47	-	5.37
Information Ratio	1.28	-	1.12
Up Capture Ratio	142.46	-	148.38
Down Capture Ratio	128.54	-	135.43

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.46	15.15	15.87
Price/Book Ratio	2.23	2.14	2.32
Avg Eff Duration	6.79	-	8.15

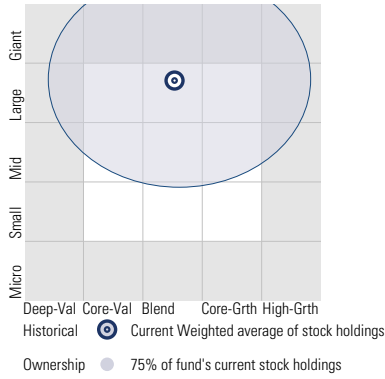
Vanguard Target Retirement 2065 Fund VLXVX

Morningstar Category
Target-Date 2065+

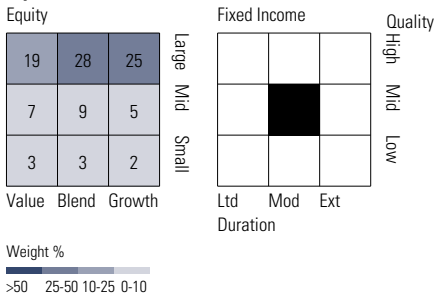
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2023

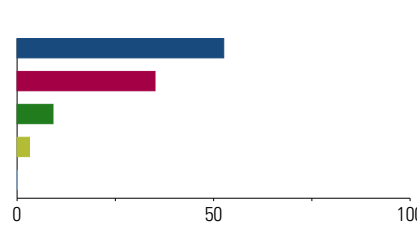
Morningstar Style Box™



Style Breakdown

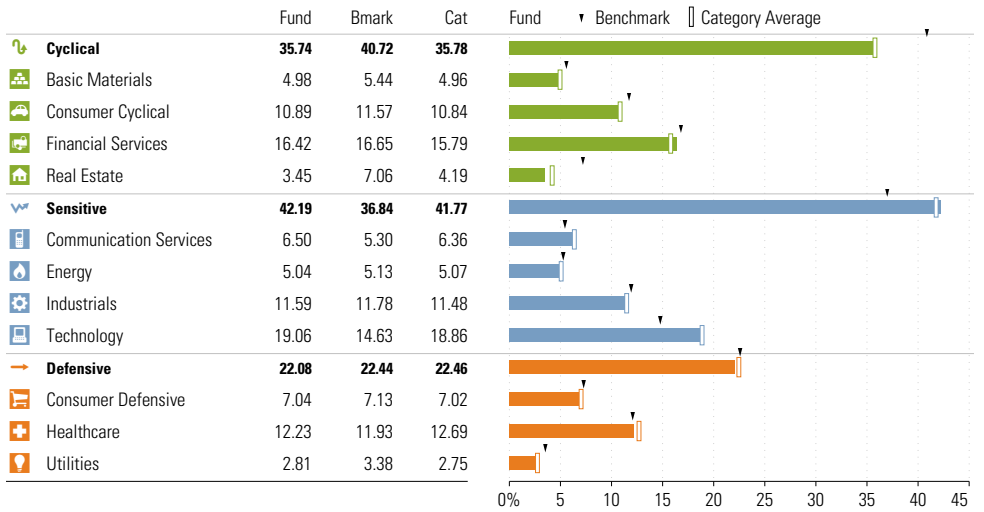


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	52.58	50.44
Non-US Stocks	35.09	32.50
Bonds	9.13	6.79
Cash	3.16	2.29
Other	0.04	7.99
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	53.33	53.33	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.87	89.20	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	6.42	95.62	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	2.82	98.44	—	—
⊕ Mktliq 12/31/2049	—	1.43	99.87	—	—
⊕ Us Dollar	—	0.13	100.00	—	—

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement 2070 Fund VSVNX

Morningstar Category
Target-Date 2065+

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Aurélie Denis since 02-2023
Michael Roach since 02-2023
Roger Aliaga-Díaz since 02-2023

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 0.08 is 88.57% lower than the Target-Date 2065+ category average.

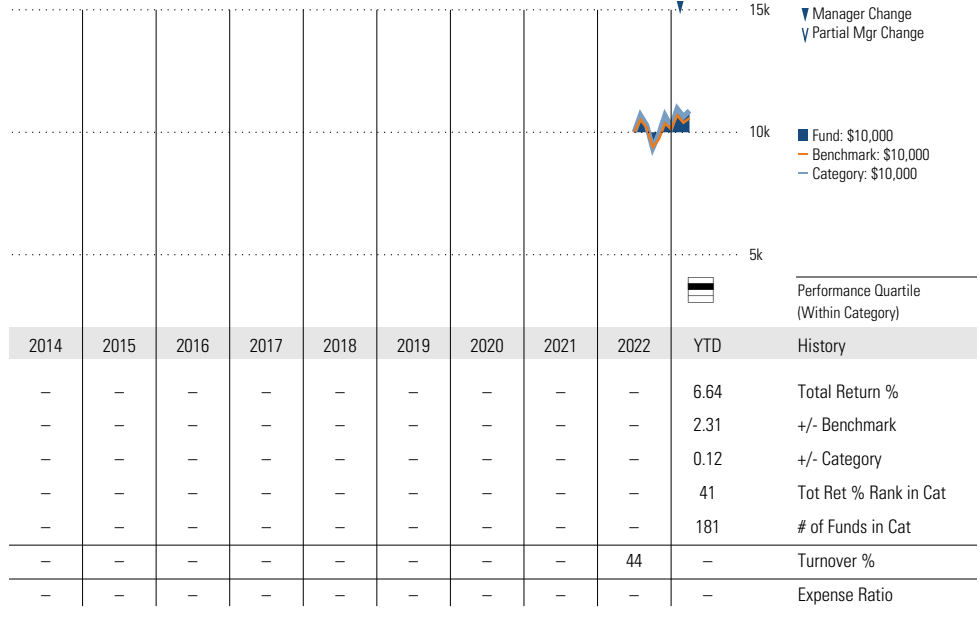
Morningstar Investment Management LLC Analysis

This fund fails the manager tenure screen due to a limited history for this target-date vintage.

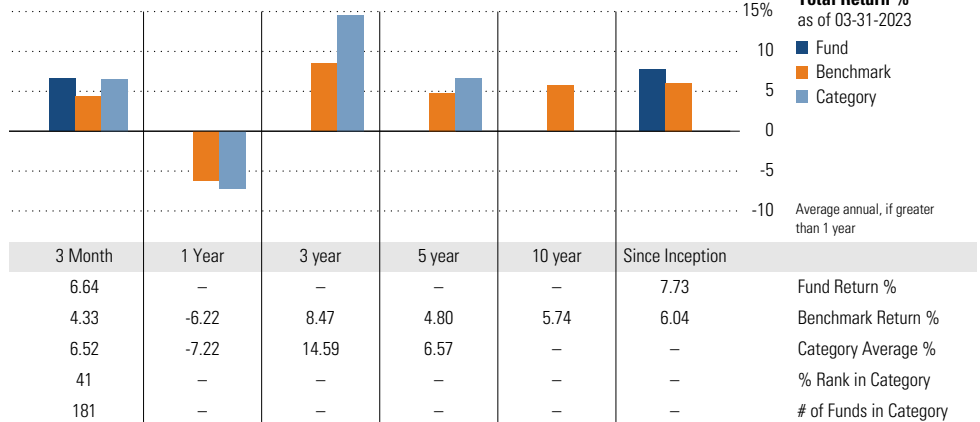
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
Carbon Risk Score	Low Risk	12-31-2022

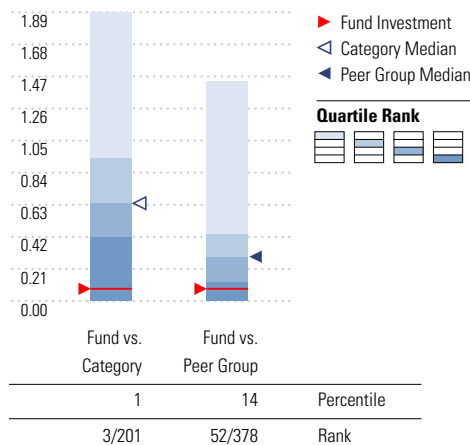
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-	-	2.89
Beta	-	-	1.37
R-Squared	-	-	97.82
Standard Deviation	-	12.77	17.66
Sharpe Ratio	-	0.61	0.79
Tracking Error	-	-	5.37
Information Ratio	-	-	1.12
Up Capture Ratio	-	-	148.38
Down Capture Ratio	-	-	135.43

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.48	15.15	15.87
Price/Book Ratio	2.23	2.14	2.32
Avg Eff Duration	6.79	-	8.15

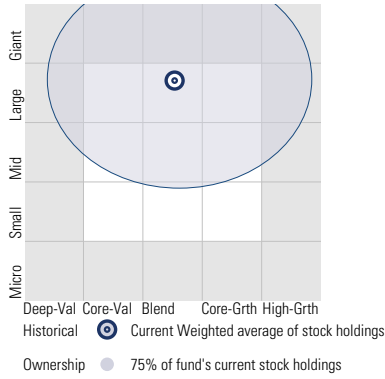
Vanguard Target Retirement 2070 Fund VSVNX

Morningstar Category
Target-Date 2065+

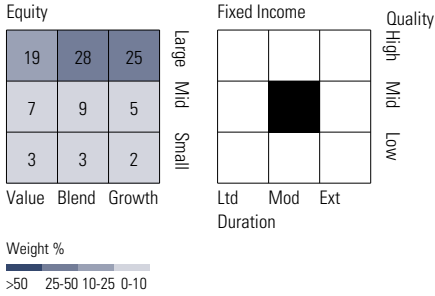
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 03-31-2023

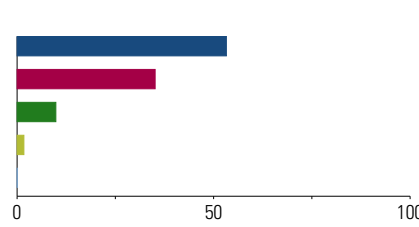
Morningstar Style Box™



Style Breakdown

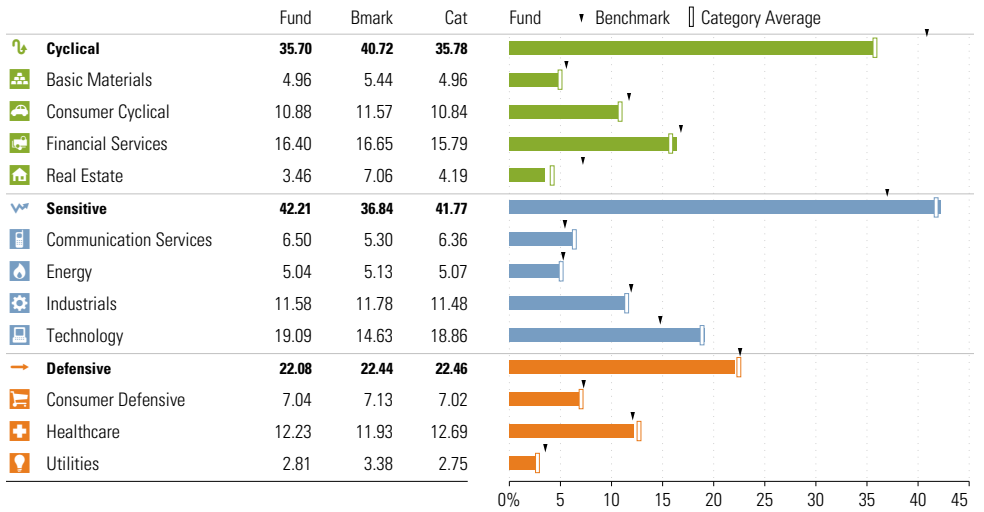


Asset Allocation as of 03-31-2023



Asset Class	Net %	Cat%
US Stocks	53.25	50.44
Non-US Stocks	35.12	32.50
Bonds	9.86	6.79
Cash	1.73	2.29
Other	0.04	7.99
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Top 6 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	54.01	54.01	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.88	89.90	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.00	96.90	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.99	99.89	-	-
⊖ Mktliq 12/31/2049	-	0.18	100.06	-	-
⊕ Us Dollar	-	0.06	100.13	-	-

Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Target Retirement Income Fund VTINX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Portfolio Manager(s)

Walter Nejman since 02-2013
Aur lie Denis since 02-2023
Michael Roach since 02-2023
Roger Aliaga-D az since 02-2023

Quantitative Screens

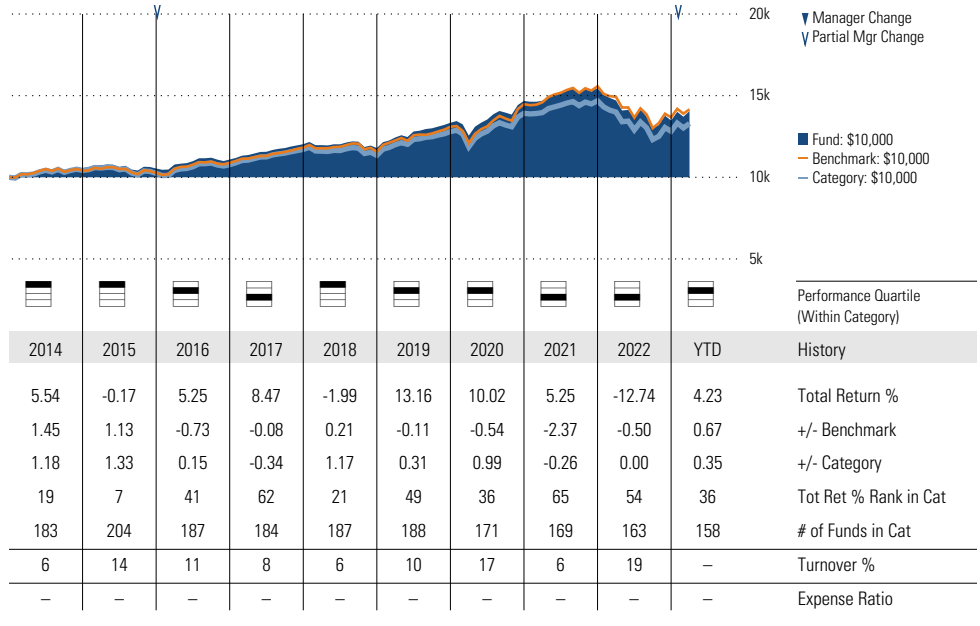
✔ **Performance:** The fund has finished in the Target-Date Retirement category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.11 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 0.08 is 87.88% lower than the Target-Date Retirement category average.

Growth of \$10,000



Morningstar Investment Management LLC Analysis

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

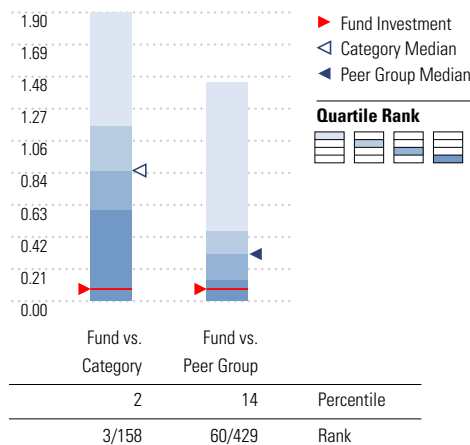
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	03-31-2023
ESG Commitment	1-Low	02-15-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-1.04	-	-1.04
Beta	0.90	-	0.94
R-Squared	97.56	-	95.94
Standard Deviation	8.42	9.21	8.86
Sharpe Ratio	0.35	0.49	0.34
Tracking Error	1.59	-	2.08
Information Ratio	-1.00	-	-0.62
Up Capture Ratio	87.09	-	90.30
Down Capture Ratio	95.35	-	98.47

Portfolio Metrics

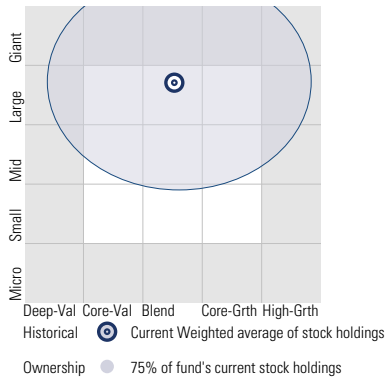
	Fund	Bmark	Cat
Price/Earnings Ratio	15.41	16.63	16.26
Price/Book Ratio	2.22	2.42	2.30
Avg Eff Duration	5.81	-	6.53

Vanguard Target Retirement Income Fund VTINX

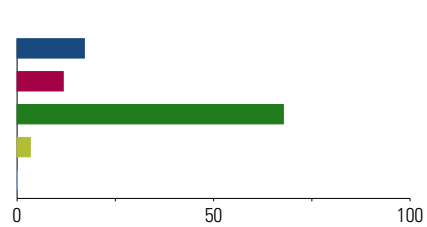
Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 03-31-2023
Morningstar Style Box™

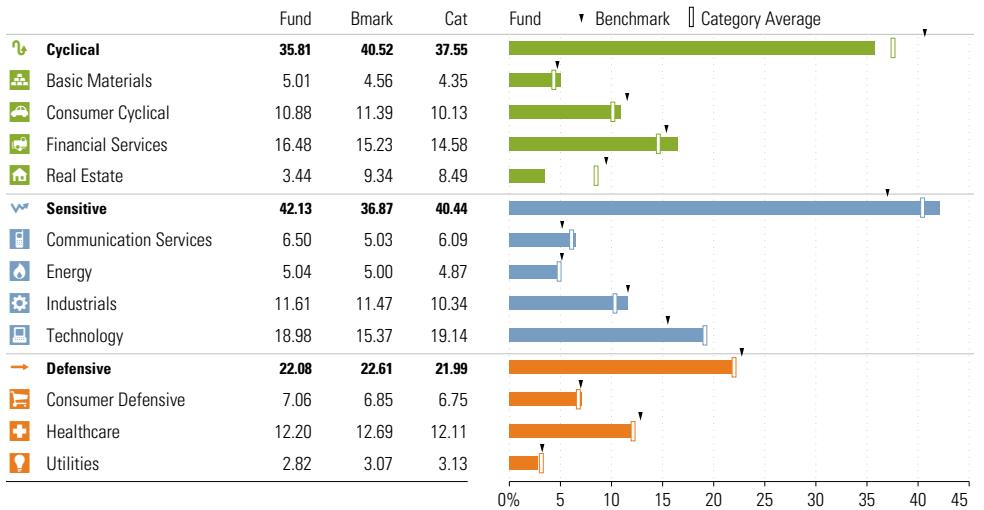


Asset Allocation as of 03-31-2023

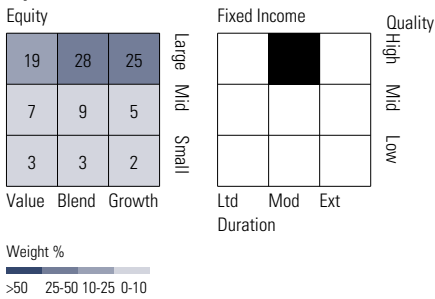


Asset Class	Net %	Cat%
US Stocks	17.11	18.92
Non-US Stocks	11.74	9.92
Bonds	67.75	52.87
Cash	3.36	4.94
Other	0.02	13.36
Total	100.00	100.00

Sector Weighting as of 03-31-2023



Style Breakdown



Top 7 Holdings as of 03-31-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	36.58	36.58	-	-
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	17.36	53.94	-	-
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	16.62	70.56	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	16.15	86.71	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	12.01	98.72	-	-
⊕ Mktliq 12/31/2049	-	1.26	99.98	-	-
⊕ Us Dollar	-	0.02	100.00	-	-

Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio