

# American Century Inflation Adjs Bond R5 AIANX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

Robert Gahagan since 11-2001  
James Platz since 09-2007  
Miguel Castillo since 02-2014

## Quantitative Screens

✔ **Performance:** The fund has finished in the Inflation-Protected 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 20.35 years.

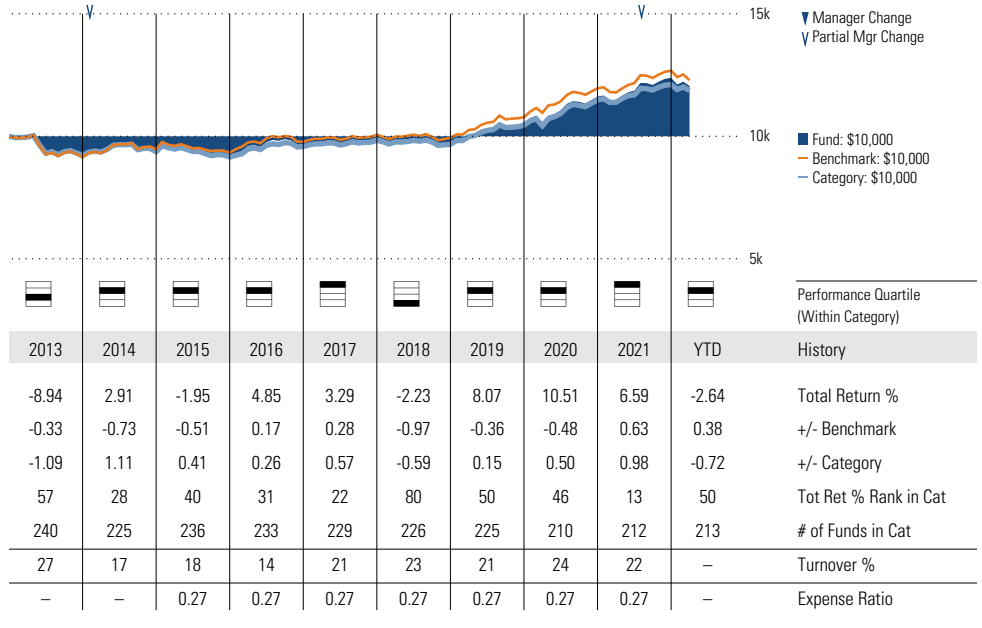
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.27 is 54.24% lower than the Inflation-Protected Bond category average.

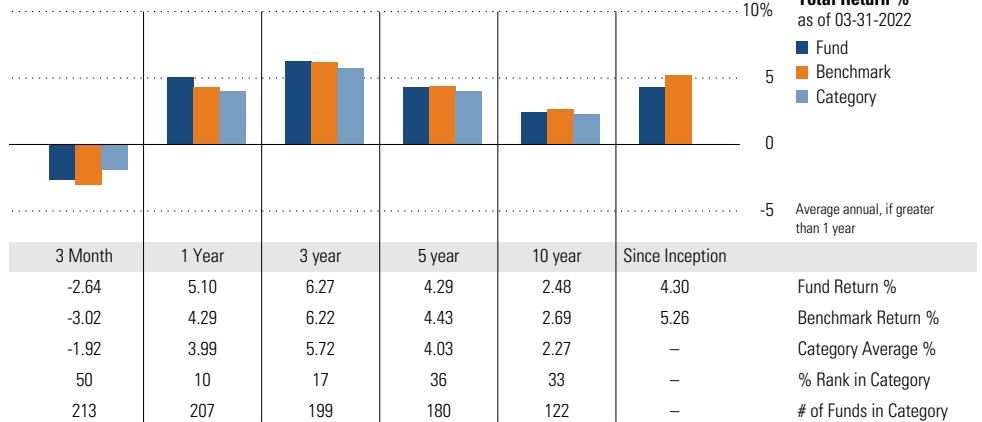
## Morningstar Investment Management LLC Analysis

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.

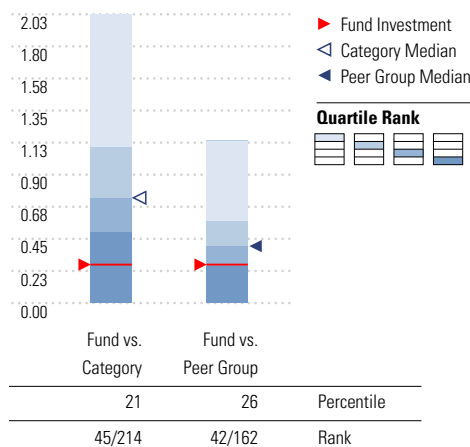
## Growth of \$10,000



## 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	-0.08	-	0.12
Beta	1.02	-	0.89
R-Squared	96.30	-	78.62
Standard Deviation	4.52	4.33	4.52
Sharpe Ratio	1.22	1.27	1.17
Tracking Error	0.87	-	2.27
Information Ratio	0.06	-	-0.47
Up Capture Ratio	101.09	-	89.99
Down Capture Ratio	101.41	-	89.93

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	7.36	4.52	6.20
Avg Eff Maturity	7.74	-	6.87

# American Century Inflation Adjs Bond R5 AIANX

**Morningstar Category**  
Inflation-Protected Bond

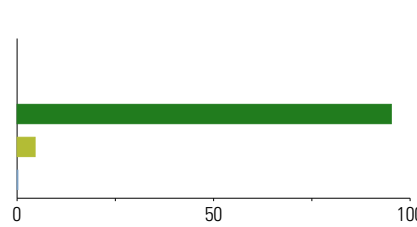
**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

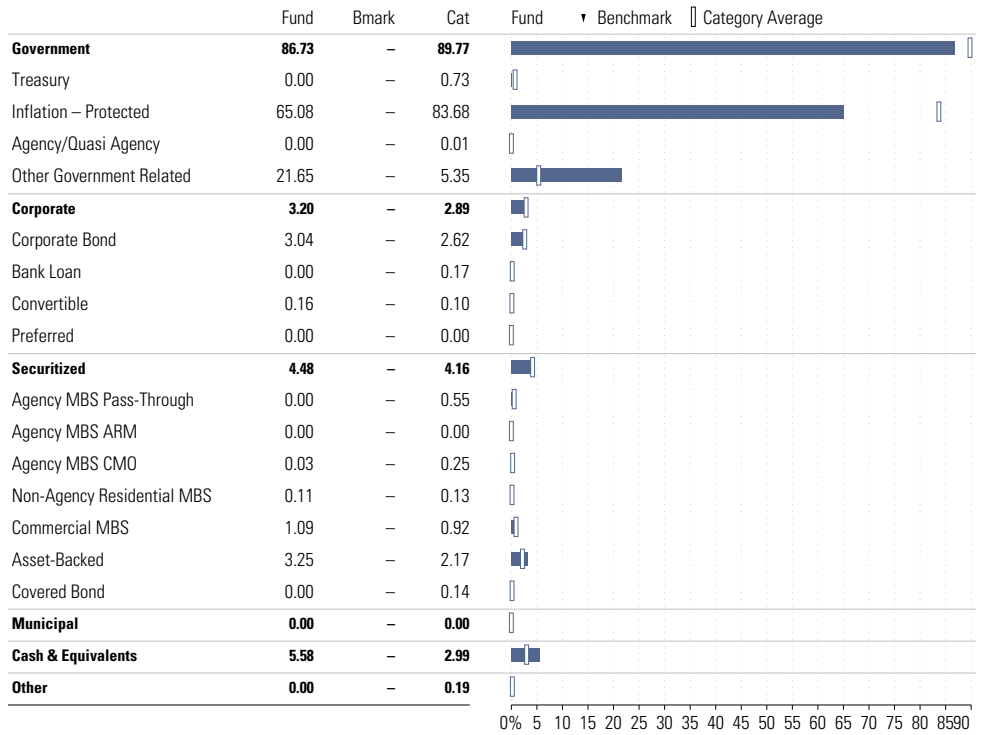


Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	95.21	97.98
Cash	4.58	1.52
Other	0.20	0.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	88.81	0.00	96.97
AA	1.16	99.60	0.27
A	2.59	0.00	0.47
BBB	3.32	0.00	0.87
BB	0.09	0.00	0.20
B	0.00	0.00	0.13
Below B	0.00	0.00	0.07
Not Rated	4.03	0.40	1.02

## Sector Weighting as of 03-31-2022



## Top 10 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 0.125%	10-2025	6.44	6.44	-
⊕ United States Treasury Notes 0.625%	01-2026	5.15	11.59	-
⊕ United States Treasury Bonds 2%	01-2026	3.89	15.49	-
⊕ 5 Year Treasury Note Future June 22	06-2022	3.45	18.94	-
⊖ United States Treasury Notes 0.125%	01-2023	3.43	22.37	-
⊕ United States Treasury Notes 0.25%	01-2025	2.96	25.32	-
⊕ United States Treasury Bonds 1.375%	02-2044	2.90	28.22	-
⊕ United States Treasury Notes 0.5%	01-2028	2.79	31.01	-
⊕ Landesbank Baden Wurttemberg New York Branch 0%	04-2022	2.73	33.74	-
⊕ United States Treasury Notes 0.125%	01-2031	2.72	36.46	-

**Total Holdings 216**

⊕ 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)

Steven Watson since 10-2008  
 Andrew Suzman 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 13.5 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 41.94% 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.

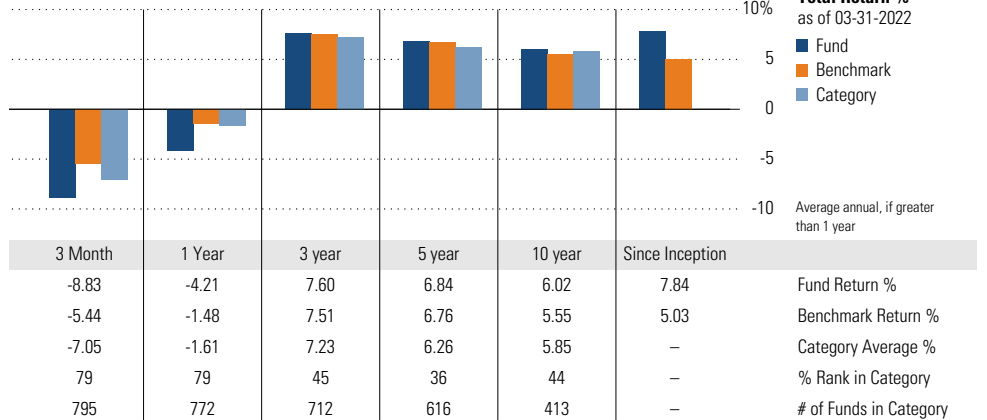
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## 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	-0.46	-	0.12
Beta	1.11	-	1.00
R-Squared	97.14	-	93.68
Standard Deviation	18.94	16.88	17.51
Sharpe Ratio	0.45	0.47	0.47
Tracking Error	3.67	-	4.46
Information Ratio	0.02	-	0.03
Up Capture Ratio	107.39	-	100.75
Down Capture Ratio	109.36	-	100.82

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.56	13.81	14.09
Price/Book Ratio	1.99	1.78	1.79
Geom Avg Mkt Cap \$B	52.87	45.25	51.25
ROE	20.84	18.45	19.89

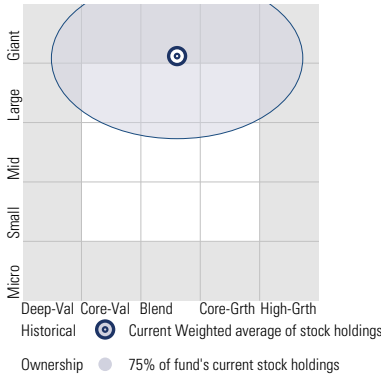
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**Morningstar Category**  
Foreign Large Blend

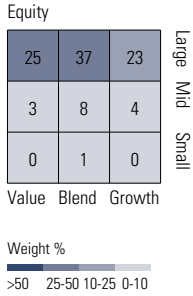
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™



## Style Breakdown

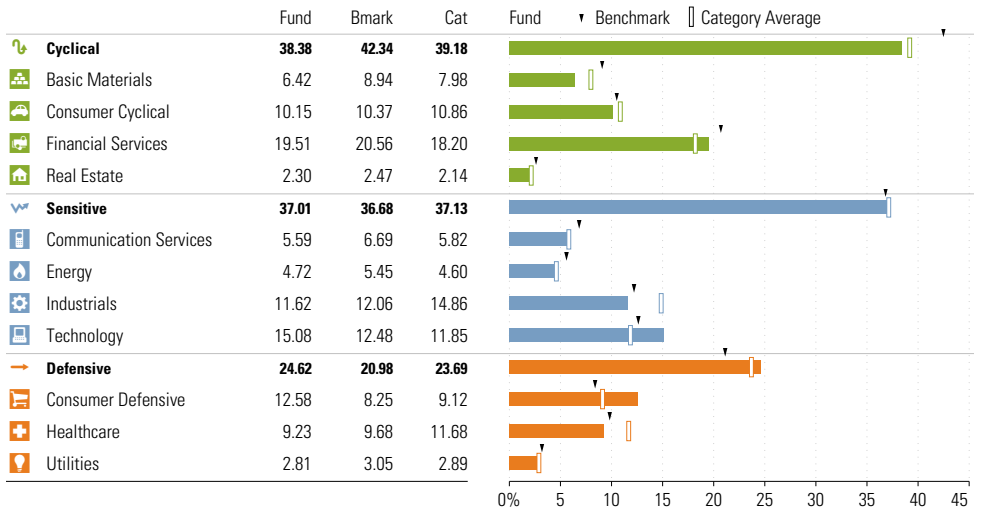


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	5.13	3.24
Non-US Stocks	85.15	94.72
Bonds	0.40	0.04
Cash	9.31	1.42
Other	0.01	0.61
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## World Regions % Equity 03-31-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	29.77	35.41	Americas	15.77	8.71	Greater Europe	54.47	55.90	Developed Markets	84.35
Japan	5.98	18.15	North America	11.03	7.56	United Kingdom	15.36	13.12	Emerging Markets	15.65
Australasia	0.69	5.00	Central/Latin	4.74	1.15	W euro-ex UK	38.33	41.43	Not Available	0.00
Asia-4 Tigers	12.89	7.10				Emrgng Europe	0.33	0.28		
Asia-ex 4 Tigers	10.21	5.16				Africa	0.45	1.07		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 03-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	9.16	9.16	-	-
⊖ Taiwan Semiconductor Manufacturing Co Ltd	3.53	12.70	-2.48	Technology
⊕ British American Tobacco PLC	2.85	15.55	18.86	Consumer Defensive
AstraZeneca PLC	2.70	18.25	18.43	Healthcare
ASML Holding NV	2.20	20.45	-13.68	Technology
⊕ Airbus SE	1.78	22.23	-1.78	Industrials
⊖ Tokyo Electron Ltd	1.66	23.89	-3.74	Technology
⊖ Philip Morris International Inc	1.47	25.36	0.20	Consumer Defensive
⊕ AXA SA	1.47	26.83	1.45	Financial Services
⊖ Vale SA	1.46	28.29	27.40	Basic Materials

**Total Holdings 251**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds Invmt Co of Amer R6 RICGX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

James Lovelace since 03-1992  
 Donald O'Neal since 03-1992  
 Christopher Buchbinder since 03-2007  
 Grant Cambridge since 03-2014  
 Martin Romo since 07-2018  
 Aline Avzaradel since 03-2019  
 Martin Jacobs since 12-2019  
 James Terrile since 03-2020  
 Jessica Spaly since 03-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 30.1 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 81.82 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.27 is 66.25% lower than the Large Blend category average.

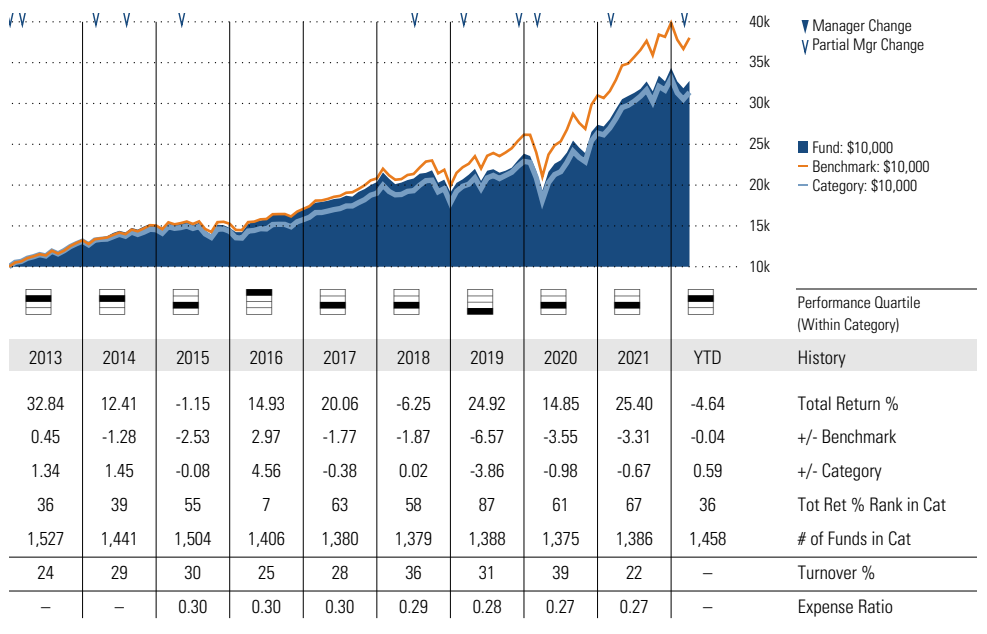
## Morningstar Investment Management LLC Analysis

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.

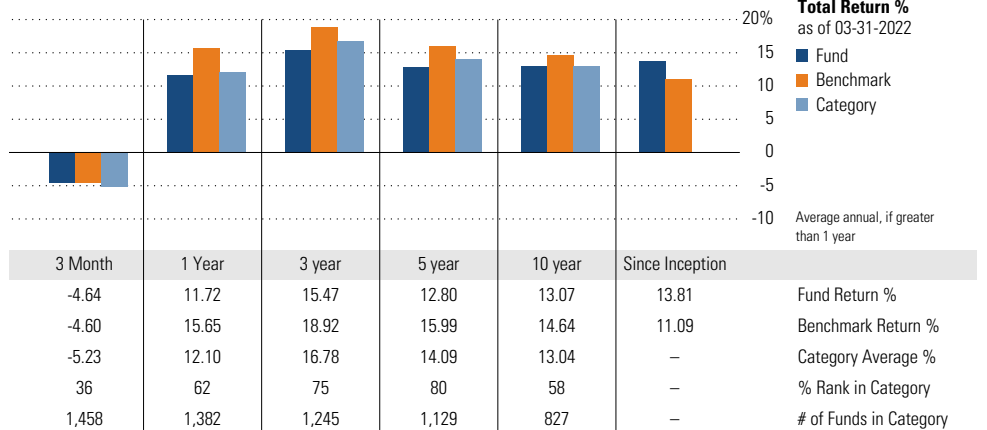
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	02-28-2022
Carbon Risk Score	Low Risk	12-31-2021

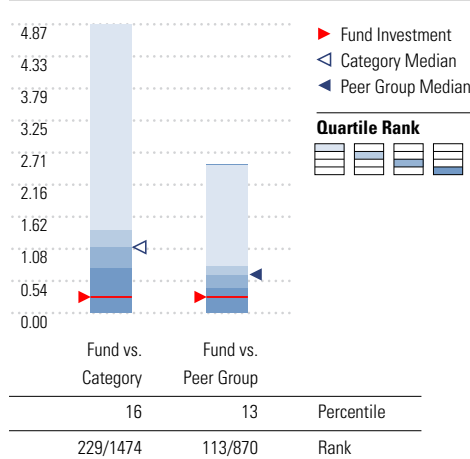
## Growth of \$10,000



## 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	-1.81	-	-1.71
Beta	0.93	-	0.97
R-Squared	98.36	-	94.89
Standard Deviation	16.61	17.76	17.68
Sharpe Ratio	0.91	1.03	0.90
Tracking Error	2.48	-	3.80
Information Ratio	-1.39	-	-1.26
Up Capture Ratio	90.35	-	93.27
Down Capture Ratio	98.23	-	99.84

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.97	21.92	22.24
Price/Book Ratio	3.67	4.23	4.92
Geom Avg Mkt Cap \$B	205.15	218.88	246.43
ROE	27.51	33.46	34.56

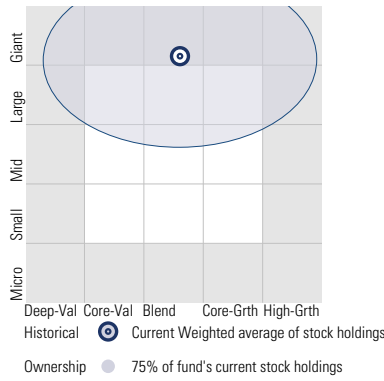
# American Funds Invmt Co of Amer R6 RICGX

Morningstar Category  
Large Blend

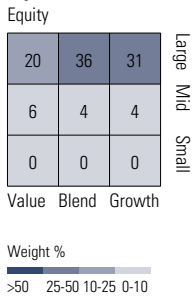
Morningstar Index  
S&P 500 TR USD

## Style Analysis as of 03-31-2022

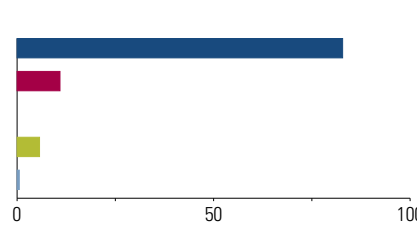
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	82.83	94.72
Non-US Stocks	10.91	2.94
Bonds	0.00	0.94
Cash	5.71	0.37
Other	0.55	1.03
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>26.14</b>	<b>30.09</b>	<b>30.37</b>			
Basic Materials	3.89	2.31	2.81			
Consumer Cyclical	9.36	11.84	11.00			
Financial Services	10.87	13.22	14.11			
Real Estate	2.02	2.72	2.45			
<b>Sensitive</b>	<b>51.49</b>	<b>46.96</b>	<b>46.45</b>			
Communication Services	12.51	9.36	9.12			
Energy	6.37	3.87	2.98			
Industrials	11.83	8.15	9.88			
Technology	20.78	25.58	24.47			
<b>Defensive</b>	<b>22.37</b>	<b>22.95</b>	<b>23.19</b>			
Consumer Defensive	6.90	6.51	6.77			
Healthcare	11.66	13.70	14.06			
Utilities	3.81	2.74	2.36			

## Top 15 Holdings as of 03-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	7.56	7.56	-8.14	Technology
Capital Group Central Cash Fund	5.84	13.40	-	-
Amazon.com Inc	4.61	18.01	-2.23	Consumer Cyclical
Broadcom Inc	4.15	22.16	-4.75	Technology
Meta Platforms Inc Class A	3.67	25.83	-33.89	Communication Svc
Comcast Corp Class A	2.69	28.52	-6.48	Communication Svc
Apple Inc	2.59	31.11	-1.54	Technology
General Electric Co	2.44	33.55	-3.06	Industrials
Philip Morris International Inc	2.41	35.95	0.20	Consumer Defensive
UnitedHealth Group Inc	2.33	38.28	1.85	Healthcare
Abbott Laboratories	2.25	40.54	-15.57	Healthcare
Raytheon Technologies Corp	2.07	42.61	15.71	Industrials
Alphabet Inc Class A	1.96	44.57	-3.99	Communication Svc
British American Tobacco PLC	1.80	46.37	18.86	Consumer Defensive
Netflix Inc	1.73	48.10	-37.82	Communication Svc

Total Holdings 200

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Federated Hermes Govt Ultrashort IS FGUSX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 24.74 years.

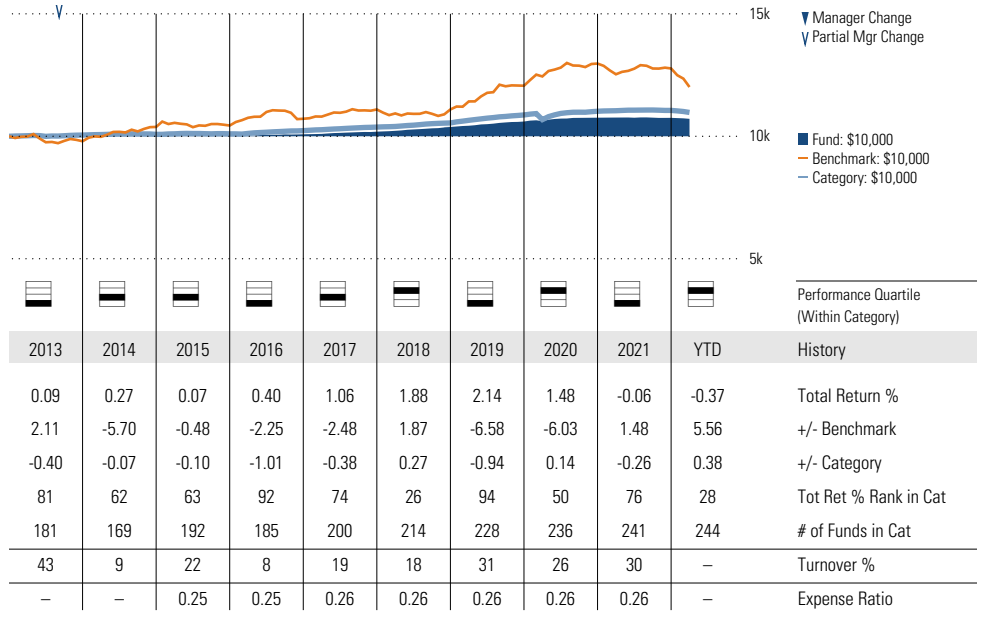
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.26 is 44.68% lower than the Ultrashort Bond category average.

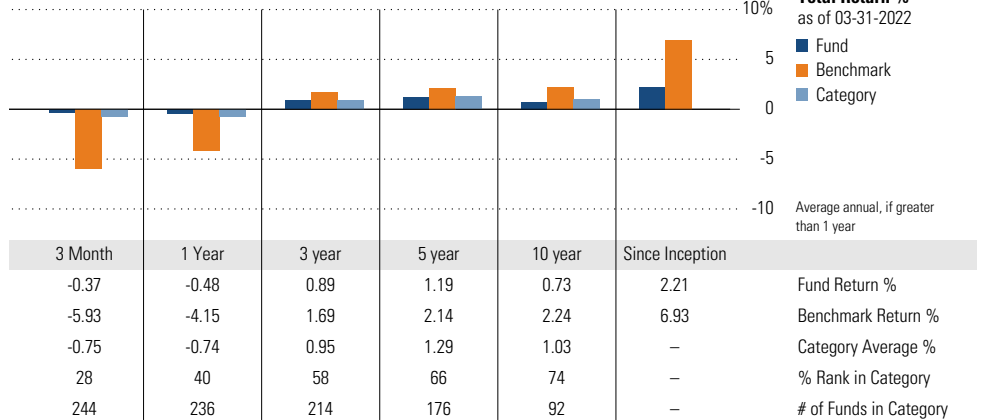
## Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen. Its relative performance versus typical peers in the ultrashort bond category has struggled, partly due to its strict adherence to investing in government securities, which have lagged credit instruments.

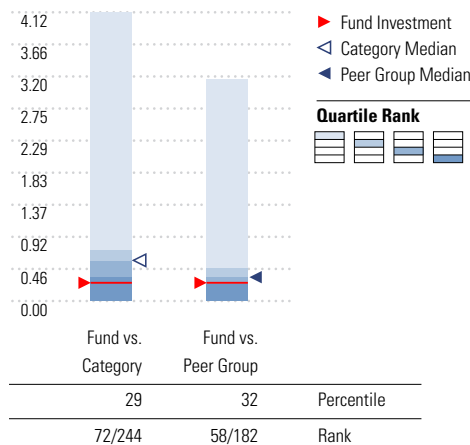
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.74	-	0.63
Beta	0.09	-	0.17
R-Squared	38.07	-	19.54
Standard Deviation	0.57	4.03	1.85
Sharpe Ratio	0.42	0.27	0.16
Tracking Error	3.71	-	3.91
Information Ratio	-0.21	-	-0.21
Up Capture Ratio	15.30	-	26.76
Down Capture Ratio	1.25	-	16.71

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.40	4.43	0.54
Avg Eff Maturity	3.08	-	3.15

# Federated Hermes Govt Ultrashort IS FGUSX

**Morningstar Category**  
Ultrashort Bond

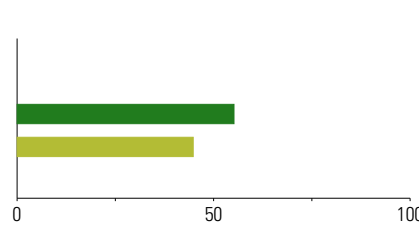
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

**Style Analysis** as of 03-31-2022

**Style Breakdown**



**Asset Allocation** as of 03-31-2022

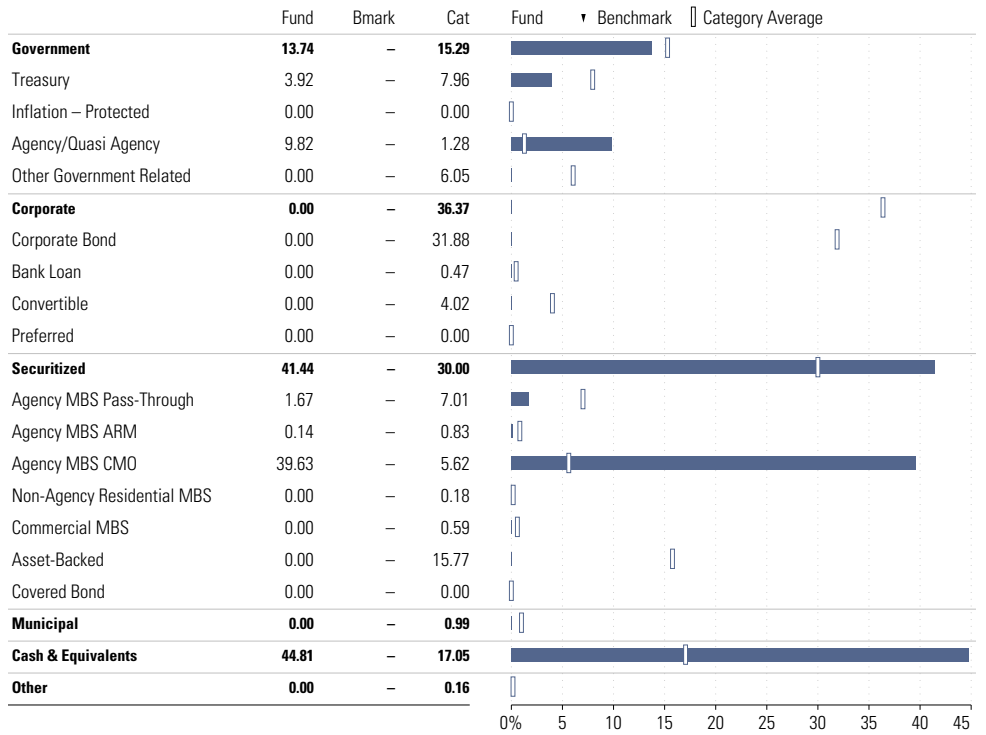


Asset Class	Net %	Cat%
US Stocks	0.00	0.01
Non-US Stocks	0.00	0.00
Bonds	55.19	79.43
Cash	44.81	16.29
Other	0.00	4.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	39.61
AA	0.00	74.59	5.63
A	0.00	10.82	18.05
BBB	0.00	8.32	22.63
BB	0.00	0.28	1.17
B	0.00	0.00	1.51
Below B	0.00	0.00	0.29
Not Rated	0.00	2.46	11.11

**Sector Weighting** as of 03-31-2022



**Top 10 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Hsbc Repo 2 Repo	01-2022	22.91	22.91	-
⊕ Novasc Repo 1 Repo	01-2022	21.25	44.15	-
Federal Home Loan Banks 0.4%	06-2024	4.19	48.35	-
⊖ Federal National Mortgage Association 0.60188%	08-2059	2.48	50.83	-
⊖ Federal Home Loan Mortgage Corporation 0.55188%	09-2049	2.10	52.93	-
⊖ Federal National Mortgage Association 0.55188%	06-2050	2.00	54.92	-
⊖ Federal Home Loan Mortgage Corporation 0.55188%	01-2050	1.73	56.65	-
⊖ Government National Mortgage Association 2.26188%	03-2067	1.66	58.32	-
⊖ Government National Mortgage Association 0.82%	02-2065	1.64	59.96	-
⊖ Federal Home Loan Mortgage Corporation 0.444%	08-2030	1.57	61.53	-

**Total Holdings 221**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 5.93 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% lower than the Large Blend category average.

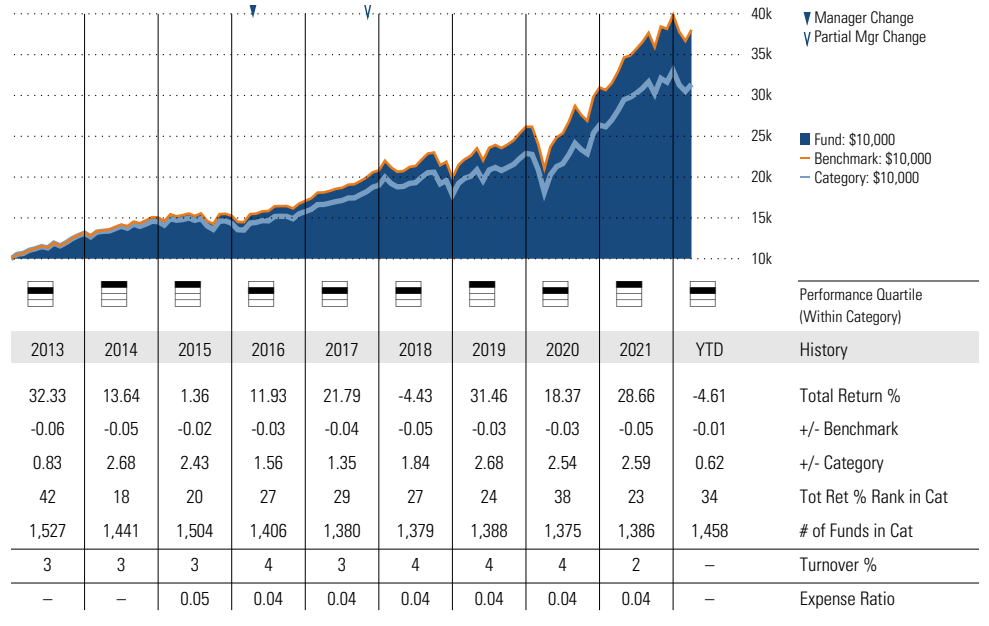
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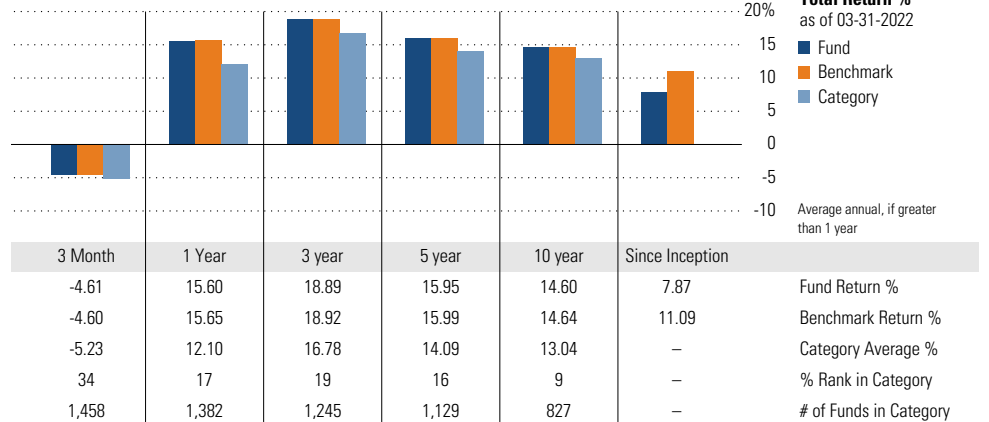
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

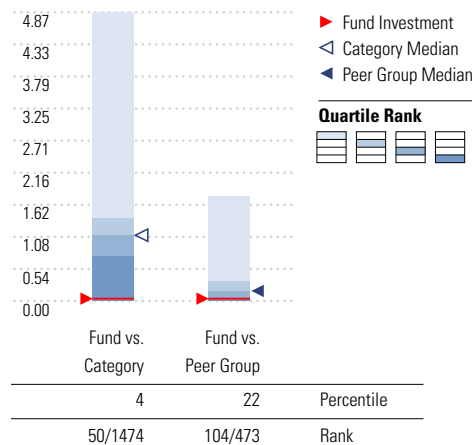
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.03	-	-1.71
Beta	1.00	-	0.97
R-Squared	100.00	-	94.89
Standard Deviation	17.76	17.76	17.68
Sharpe Ratio	1.03	1.03	0.90
Tracking Error	0.01	-	3.80
Information Ratio	-3.29	-	-1.26
Up Capture Ratio	99.94	-	93.27
Down Capture Ratio	100.07	-	99.84

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	21.92	21.92	22.24
Price/Book Ratio	4.23	4.23	4.92
Geom Avg Mkt Cap \$B	219.03	218.88	246.43
ROE	33.47	33.46	34.56

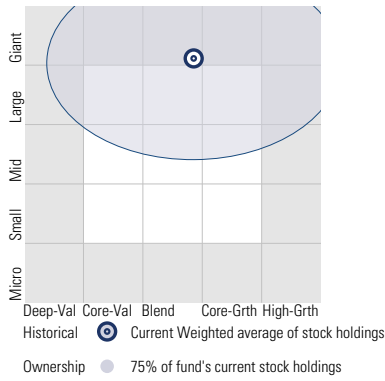
# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

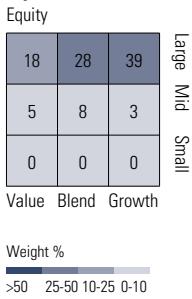
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 03-31-2022

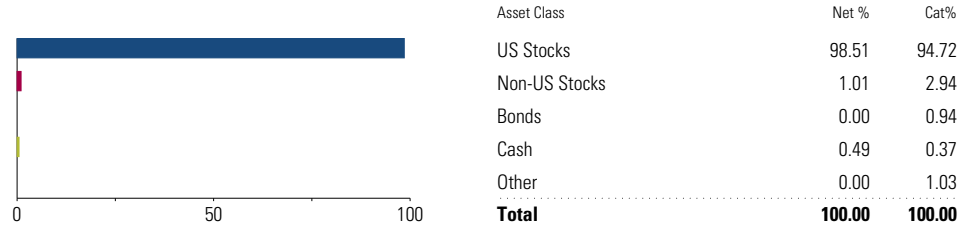
Morningstar Style Box™



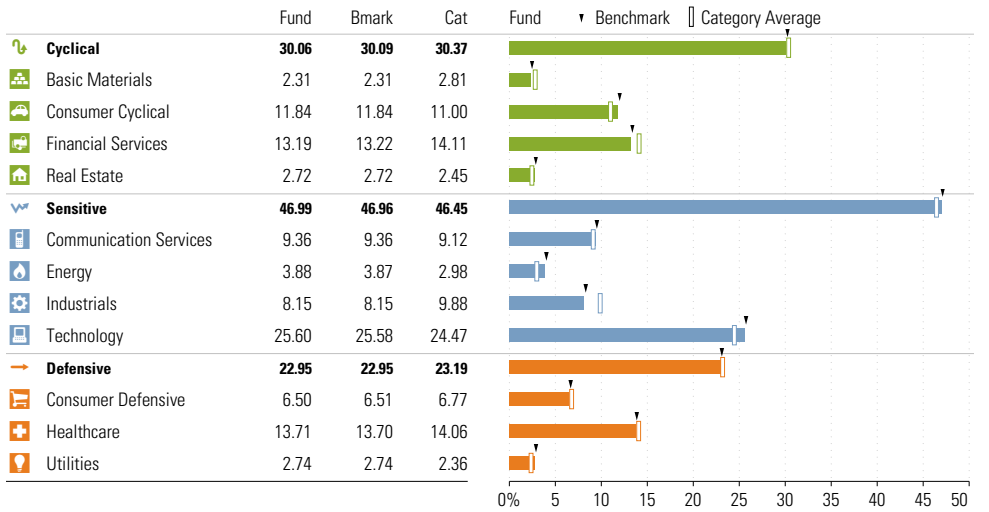
## Style Breakdown



## Asset Allocation as of 03-31-2022



## Sector Weighting as of 03-31-2022



## Top 15 Holdings as of 03-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.04	7.04	-1.54	Technology
⊕ Microsoft Corp	6.01	13.05	-8.14	Technology
⊕ Amazon.com Inc	3.71	16.76	-2.23	Consumer Cyclical
⊕ Tesla Inc	2.35	19.11	1.97	Consumer Cyclical
⊕ Alphabet Inc Class A	2.17	21.28	-3.99	Communication Svc
⊕ Alphabet Inc Class C	2.02	23.30	-3.48	Communication Svc
⊕ NVIDIA Corp	1.77	25.07	-7.21	Technology
⊕ Berkshire Hathaway Inc Class B	1.68	26.75	18.03	Financial Services
⊖ Meta Platforms Inc Class A	1.34	28.09	-33.89	Communication Svc
⊕ UnitedHealth Group Inc	1.25	29.34	1.85	Healthcare
⊕ Johnson & Johnson	1.21	30.55	4.22	Healthcare
⊕ JPMorgan Chase & Co	1.05	31.60	-13.28	Financial Services
⊖ Procter & Gamble Co	0.95	32.55	-6.06	Consumer Defensive
⊖ Visa Inc Class A	0.95	33.50	2.51	Financial Services
⊕ Exxon Mobil Corp	0.91	34.41	36.41	Energy

**Total Holdings 508**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard LifeStrategy Cnsvr Gr Inv VSCGX

**Morningstar Category**  
Allocation--30% to 50%  
Equity

**Morningstar Index**  
Morningstar US Mod Con Tgt Alloc NR  
USD

## Portfolio Manager(s)

Walter Nejman since 02-2022  
William Coleman since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--30% to 50% Equity category's top three quartiles in 9 of the 10 years it's been in existence.

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

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 87.5% lower than the Allocation--30% to 50% Equity category average.

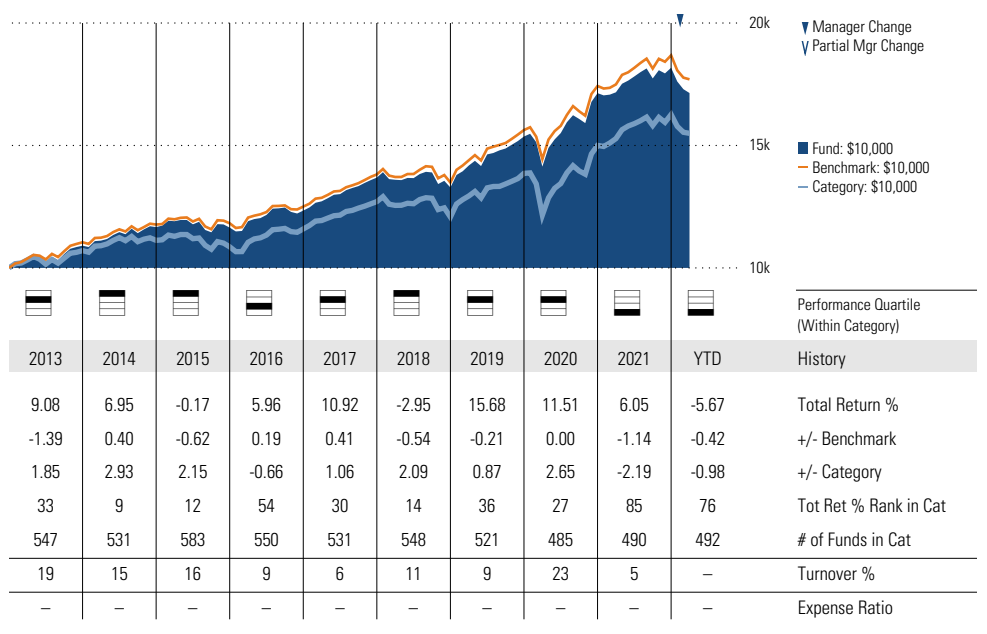
## Morningstar Investment Management LLC Analysis

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

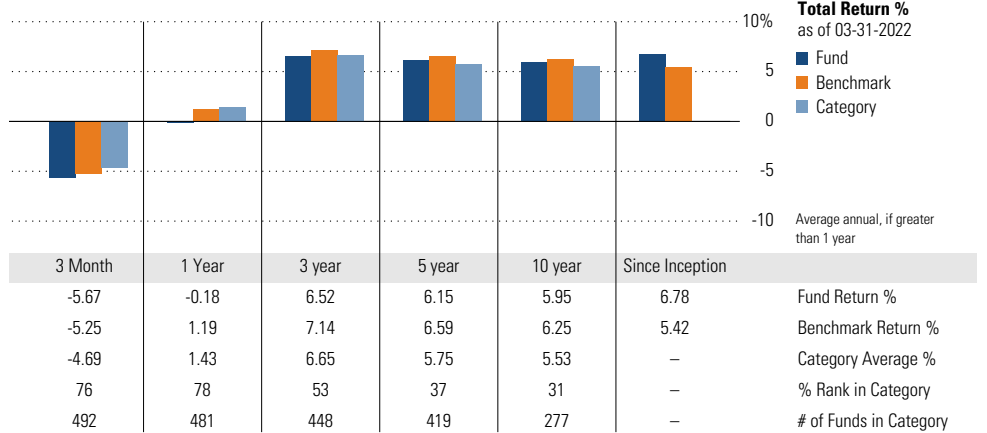
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

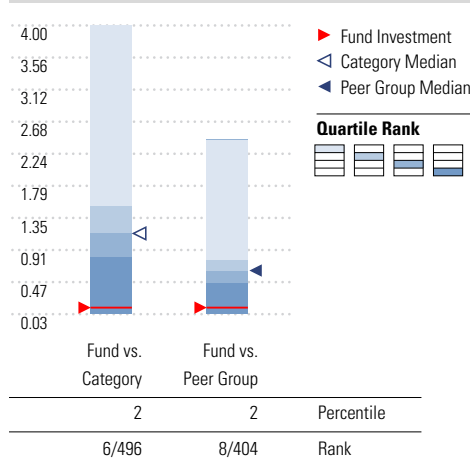
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.61	-	-1.35
Beta	1.01	-	1.10
R-Squared	99.12	-	91.44
Standard Deviation	7.74	7.66	8.80
Sharpe Ratio	0.77	0.85	0.68
Tracking Error	0.73	-	2.77
Information Ratio	-0.84	-	-0.31
Up Capture Ratio	97.25	-	101.09
Down Capture Ratio	102.65	-	112.70

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.89	18.48	18.34
Price/Book Ratio	2.49	2.91	2.98
Avg Eff Duration	7.25	6.36	5.11

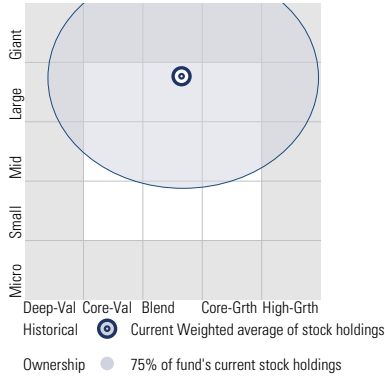
# Vanguard LifeStrategy Cnsvr Gr Inv VSCGX

**Morningstar Category**  
Allocation--30% to 50%  
Equity

**Morningstar Index**  
Morningstar US Mod Con Tgt Alloc NR  
USD

## Style Analysis as of 03-31-2022

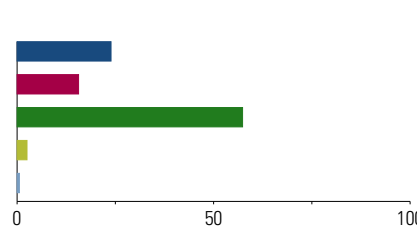
Morningstar Style Box™



## Style Breakdown

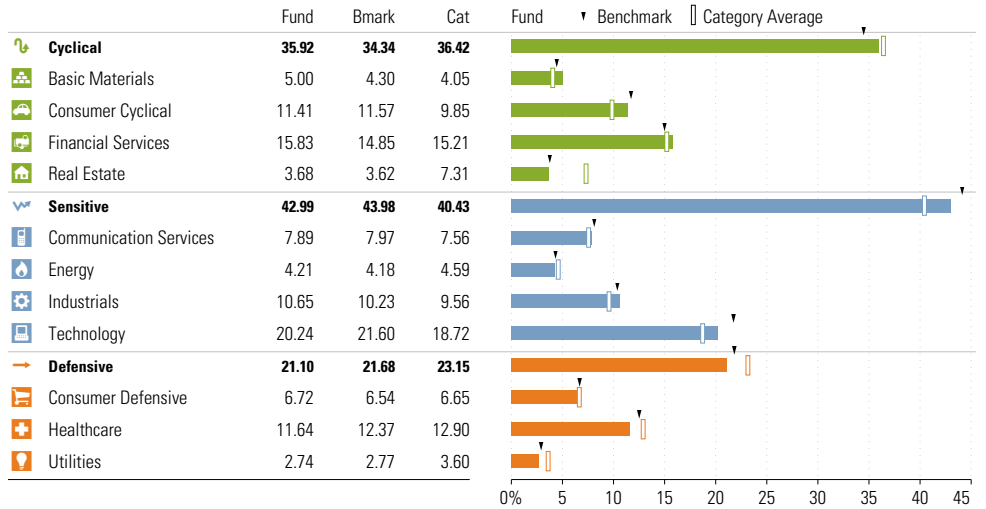


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	23.90	27.84
Non-US Stocks	15.64	7.42
Bonds	57.37	51.42
Cash	2.52	6.64
Other	0.58	6.69
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Top 7 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	—	40.74	40.74	—	—
⊖ Vanguard Total Stock Mkt Idx Inv	—	24.12	64.86	—	—
⊖ Vanguard Total Intl Bd Idx Investor	—	15.99	80.84	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	15.95	96.79	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	1.90	98.69	—	—
⊖ Mktliq 12/31/2049	—	1.31	100.01	—	—
⊖ Us Dollar	—	0.01	100.02	—	—

## Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard LifeStrategy Growth Inv VASGX

**Morningstar Category**  
Allocation--70% to 85%  
Equity

**Morningstar Index**  
Morningstar US Mod Agg Tgt Alloc NR  
USD

## Portfolio Manager(s)

Walter Nejman since 02-2022  
William Coleman since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--70% to 85% Equity category's top three quartiles in 10 of the 10 years it's been in existence.

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

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

✔ **Net Expense:** The fund's expense ratio of 0.14 is 86.27% lower than the Allocation--70% to 85% Equity category average.

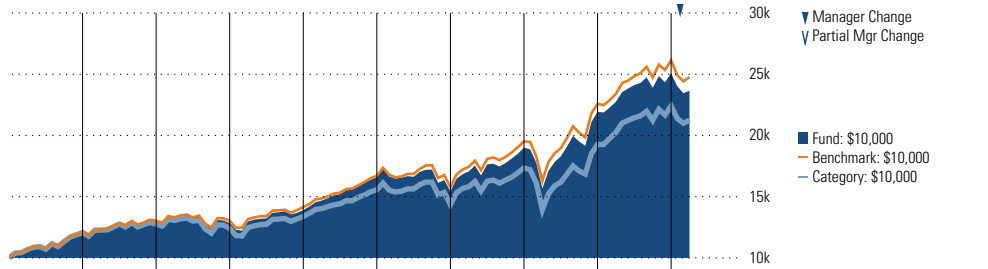
## Morningstar Investment Management LLC Analysis

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

## ESG Metrics

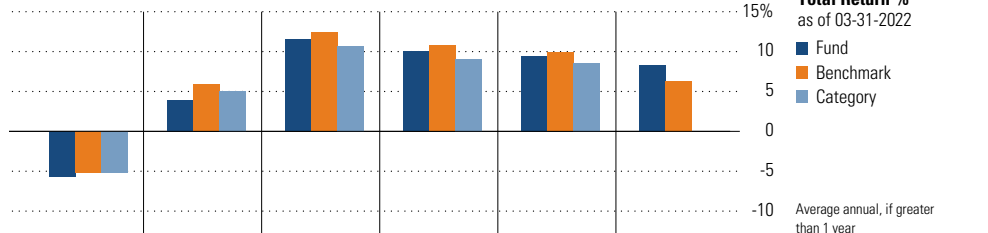
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## Growth of \$10,000



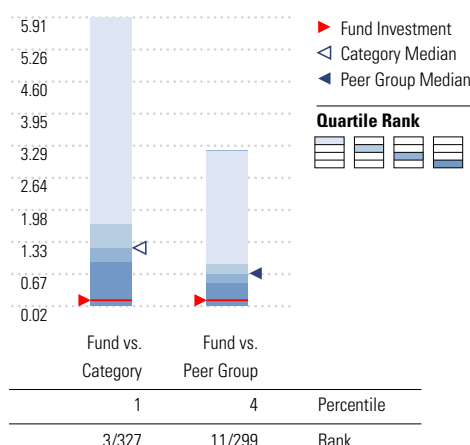
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	21.20	7.18	-1.17	8.33	19.21	-6.90	23.13	15.45	14.35	-5.72	History
	-0.07	-0.32	-1.14	-0.23	1.18	-1.37	-0.54	-0.33	-1.30	-0.54	Total Return %
	-0.11	1.47	1.60	0.40	3.41	1.03	1.78	1.94	-2.15	-0.57	+/- Benchmark
	53	20	30	34	20	34	32	27	70	56	+/- Category
	396	390	405	360	331	336	327	316	322	322	Tot Ret % Rank in Cat
	9	10	13	5	6	10	6	13	4	-	# of Funds in Cat
	-	-	-	-	-	-	-	-	-	-	Turnover %
	-	-	-	-	-	-	-	-	-	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
	-5.72	3.96	11.51	10.01	9.41	8.34	Fund Return %
	-5.18	5.89	12.40	10.77	9.89	6.32	Benchmark Return %
	-5.15	5.06	10.70	9.08	8.58	-	Category Average %
	56	60	35	29	26	-	% Rank in Category
	322	315	288	265	199	-	# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-1.01	-	-1.79
Beta	1.02	-	1.03
R-Squared	99.40	-	94.25
Standard Deviation	14.20	13.88	14.79
Sharpe Ratio	0.79	0.86	0.73
Tracking Error	1.13	-	3.50
Information Ratio	-0.78	-	-0.54
Up Capture Ratio	98.78	-	97.52
Down Capture Ratio	103.58	-	106.75

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.92	18.30	17.94
Price/Book Ratio	2.50	2.86	2.80
Avg Eff Duration	7.25	6.36	5.08

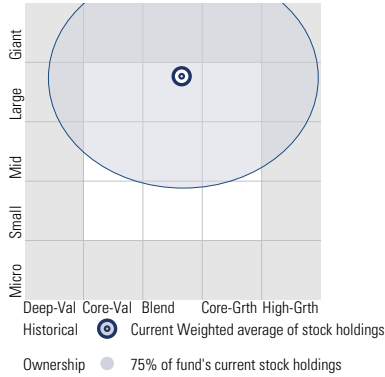
# Vanguard LifeStrategy Growth Inv VASGX

**Morningstar Category**  
Allocation--70% to 85%  
Equity

**Morningstar Index**  
Morningstar US Mod Agg Tgt Alloc NR  
USD

## Style Analysis as of 03-31-2022

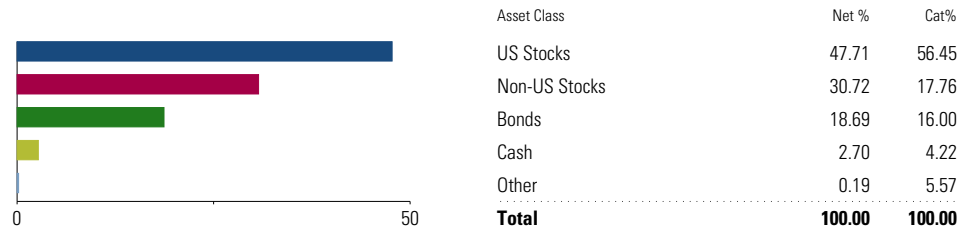
Morningstar Style Box™



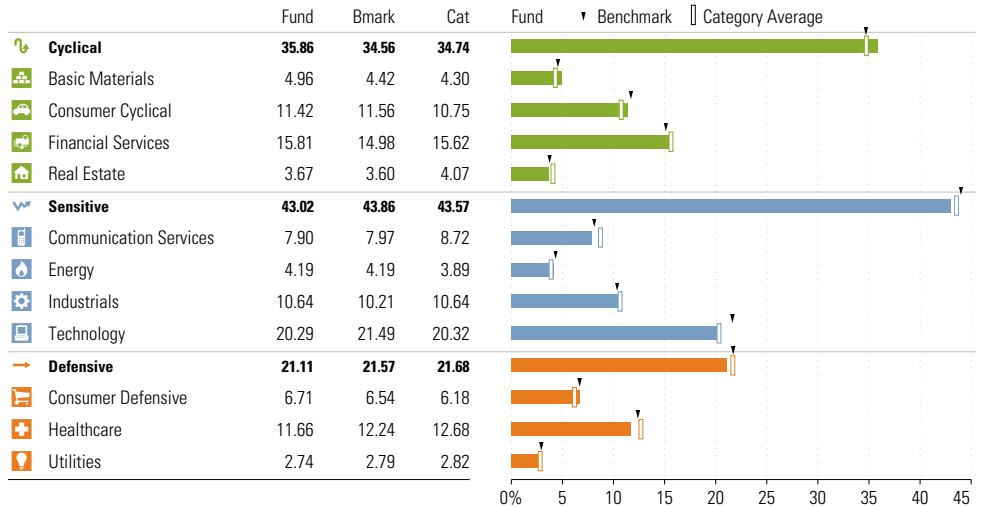
## Style Breakdown



## Asset Allocation as of 03-31-2022



## Sector Weighting as of 03-31-2022



## Top 7 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	48.15	48.15	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	31.30	79.45	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	13.28	92.73	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	4.87	97.59	—	—
⊖ Mktliq 12/31/2049	—	1.45	99.05	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	0.95	99.99	—	—
⊖ Us Dollar	—	0.01	100.00	—	—

## Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard LifeStrategy Income Inv VASIX

**Morningstar Category**  
Allocation--15% to 30%  
Equity

**Morningstar Index**  
Morningstar US Con Tgt Alloc NR USD

## Portfolio Manager(s)

Walter Nejman since 02-2022  
William Coleman since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--15% to 30% Equity category's top three quartiles in 8 of the 10 years it's been in existence.

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

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

✔ **Net Expense:** The fund's expense ratio of 0.11 is 88.78% lower than the Allocation--15% to 30% Equity category average.

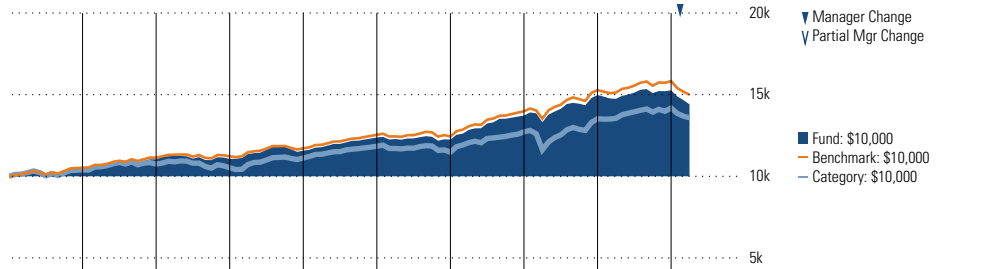
## Morningstar Investment Management LLC Analysis

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

## ESG Metrics

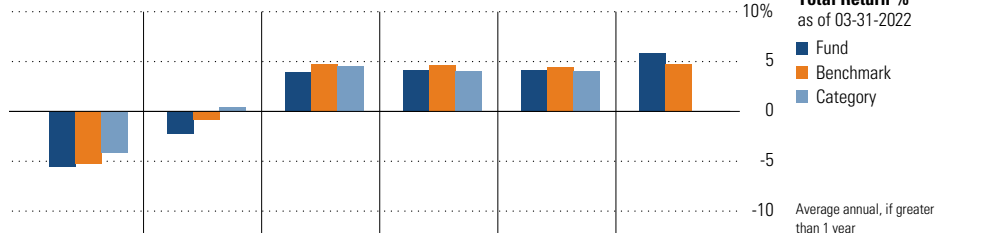
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



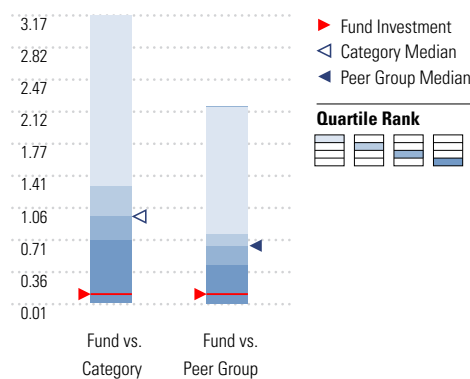
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	3.40	6.76	0.22	4.58	6.98	-1.05	12.05	9.13	1.92	-5.61	History
	-1.84	0.92	-0.51	0.17	-0.06	-0.24	-0.38	-0.13	-1.69	-0.35	Total Return %
	-0.62	3.22	2.29	-0.97	0.73	2.09	0.85	1.84	-3.12	-1.44	+/- Benchmark
	68	4	8	65	49	11	35	27	90	80	+/- Category
	218	222	240	219	194	191	192	188	197	197	Tot Ret % Rank in Cat
	25	12	14	4	4	9	6	17	7	-	# of Funds in Cat
	-	-	-	-	-	-	-	-	-	-	Turnover %
	-	-	-	-	-	-	-	-	-	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 03-31-2022
	-5.61	-2.29	3.90	4.11	4.11	5.90	Fund
	-5.26	-0.86	4.72	4.68	4.49	4.79	Benchmark
	-4.17	0.41	4.56	4.02	4.09	-	Category
	80	88	68	49	45	-	Average annual, if greater than 1 year
	197	193	178	167	116	-	Fund Return %
							Benchmark Return %
							Category Average %
							% Rank in Category
							# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.64	-	-0.89
Beta	0.97	-	1.13
R-Squared	97.03	-	84.56
Standard Deviation	5.05	5.13	6.38
Sharpe Ratio	0.65	0.80	0.60
Tracking Error	0.88	-	2.72
Information Ratio	-0.92	-	-0.22
Up Capture Ratio	90.39	-	104.76
Down Capture Ratio	97.40	-	116.22

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.76	19.11	18.33
Price/Book Ratio	2.46	3.07	2.80
Avg Eff Duration	7.26	6.36	3.46

# Vanguard LifeStrategy Income Inv VASIX

**Morningstar Category**  
Allocation--15% to 30%

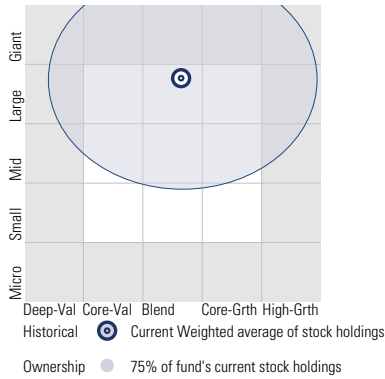
**Morningstar Index**

Morningstar US Con Tgt Alloc NR USD

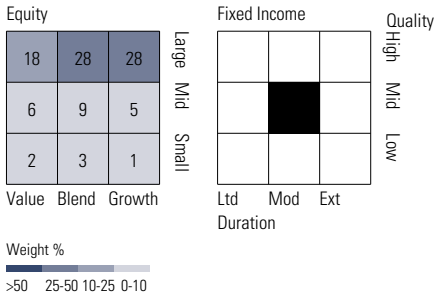
Equity

## Style Analysis as of 03-31-2022

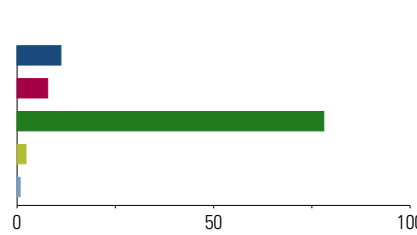
Morningstar Style Box™



## Style Breakdown

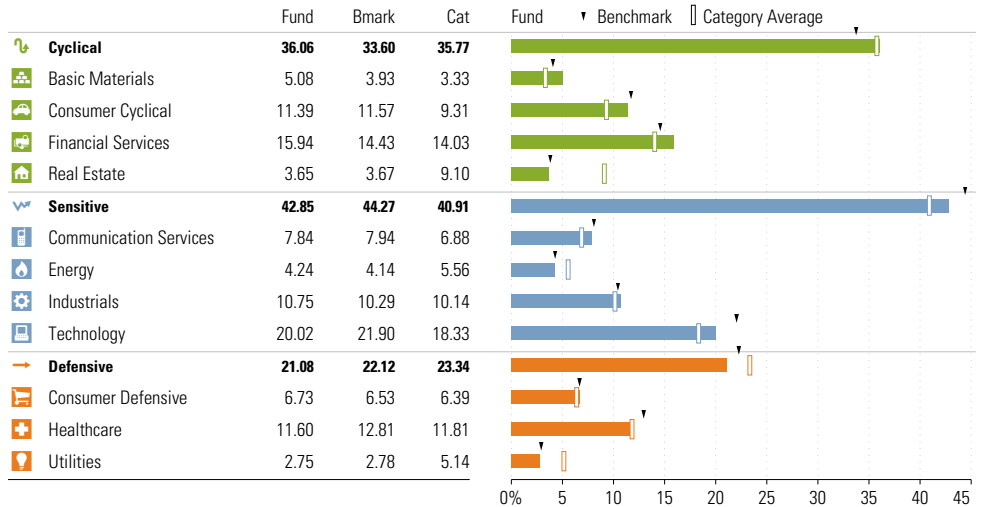


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	11.15	12.13
Non-US Stocks	7.79	2.56
Bonds	78.04	69.75
Cash	2.26	10.54
Other	0.77	5.04
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Top 7 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	—	55.31	55.31	—	—
⊖ Vanguard Total Intl Bd Idx Investor	—	22.74	78.05	—	—
⊖ Vanguard Total Stock Mkt Idx Inv	—	11.25	89.30	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	7.95	97.25	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	1.70	98.95	—	—
⊖ Mktliq 12/31/2049	—	1.08	100.04	—	—
⊕ Us Dollar	—	0.04	100.07	—	—

## Total Holdings 7

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard LifeStrategy Moderate Gr Inv VSMGX

**Morningstar Category**  
Allocation--50% to 70%  
Equity

**Morningstar Index**  
Morningstar US Mod Tgt Alloc NR USD

## Portfolio Manager(s)

Walter Nejman since 02-2022  
William Coleman since 02-2022

## Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 9 of the 10 years it's been in existence.

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

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

✔ **Net Expense:** The fund's expense ratio of 0.13 is 87.38% lower than the Allocation--50% to 70% Equity category average.

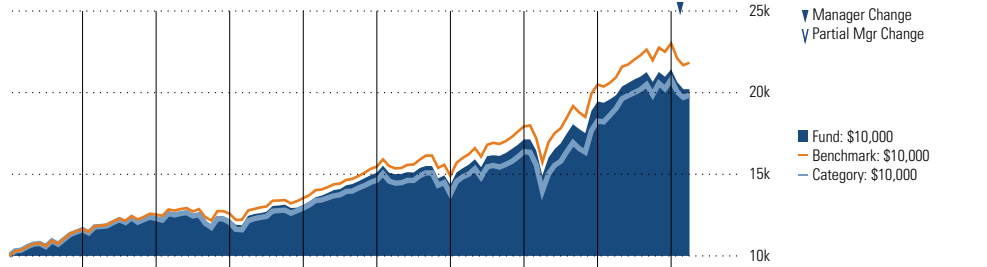
## Morningstar Investment Management LLC Analysis

Although this fund technically fails the manager tenure screen due to changes in how the portfolio management team is listed, in fact the same team that oversees the strategy remains in place.

## ESG Metrics

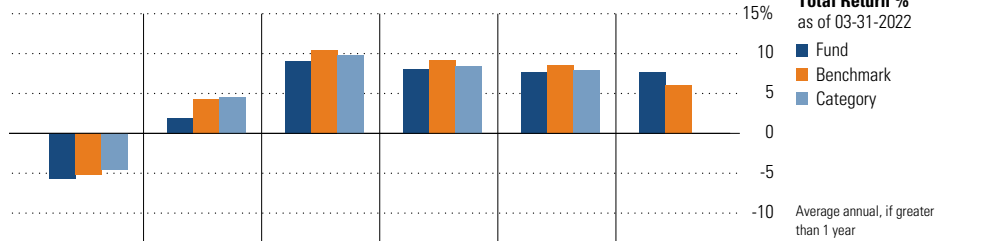
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## Growth of \$10,000



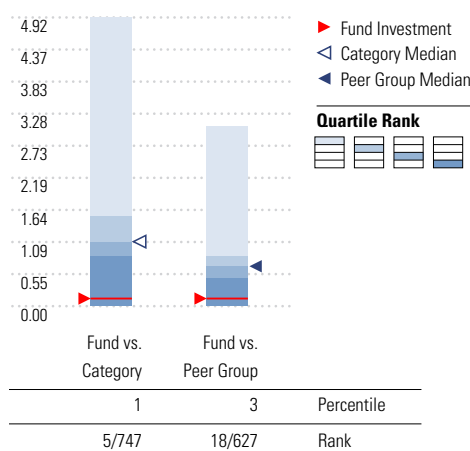
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	15.04	7.07	-0.57	7.13	15.04	-4.91	19.37	13.59	10.08	-5.66	History
	-1.49	-0.50	-0.93	-0.47	0.76	-1.25	-0.96	-0.67	-2.29	-0.49	Total Return %
	-1.44	0.86	1.36	-0.21	1.83	0.85	0.14	1.87	-3.81	-1.03	+/- Benchmark
	68	38	32	42	26	39	53	36	88	65	+/- Category
	797	769	817	769	744	760	734	707	721	741	Tot Ret % Rank in Cat
	15	12	16	9	6	12	9	21	5	-	# of Funds in Cat
	-	-	-	-	-	-	-	-	-	-	Turnover %
	-	-	-	-	-	-	-	-	-	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 03-31-2022
	-5.66	1.88	9.03	8.10	7.71	7.69	Fund
	-5.17	4.31	10.39	9.19	8.50	6.04	Benchmark
	-4.63	4.55	9.85	8.47	7.89	-	Category
	65	78	69	57	54	-	Average annual, if greater than 1 year
	741	706	661	604	438	-	Fund Return %
							Benchmark Return %
							Category Average %
							% Rank in Category
							# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-1.10	-	-0.88
Beta	0.99	-	1.03
R-Squared	98.96	-	92.55
Standard Deviation	10.89	10.99	11.81
Sharpe Ratio	0.79	0.89	0.79
Tracking Error	1.12	-	3.18
Information Ratio	-1.21	-	-0.21
Up Capture Ratio	93.34	-	99.13
Down Capture Ratio	99.09	-	104.53

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.92	19.05	18.53
Price/Book Ratio	2.50	3.11	2.92
Avg Eff Duration	7.25	6.36	5.01

# Vanguard LifeStrategy Moderate Gr Inv VSMGX

**Morningstar Category**  
Allocation--50% to 70%

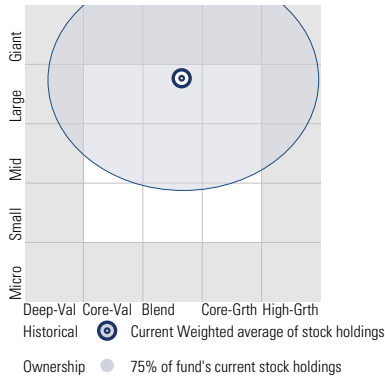
**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

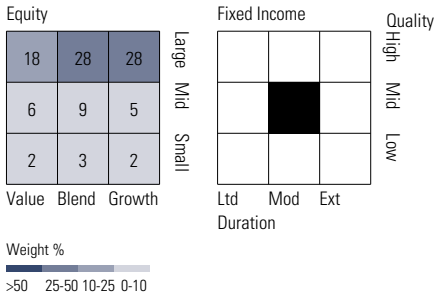
Equity

## Style Analysis as of 03-31-2022

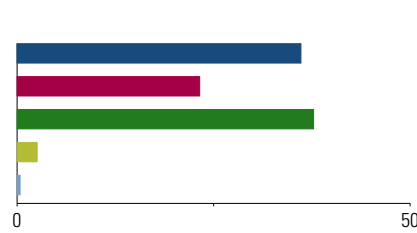
Morningstar Style Box™



## Style Breakdown

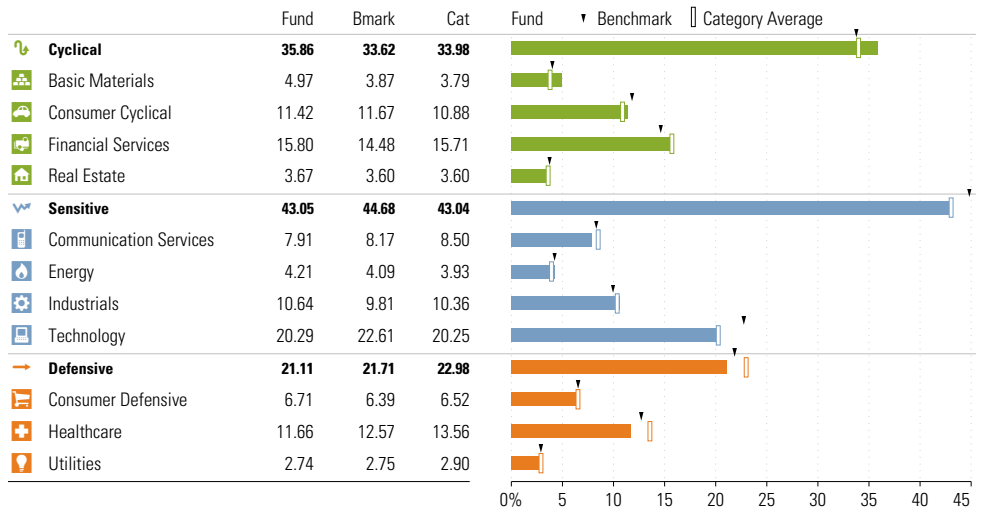


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	36.11	47.30
Non-US Stocks	23.23	11.26
Bonds	37.72	31.99
Cash	2.55	5.39
Other	0.38	4.04
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Top 7 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	36.45	36.45	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	26.84	63.29	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	23.67	86.96	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	10.10	97.06	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	1.61	98.68	—	—
⊖ Mktliq 12/31/2049	—	1.35	100.02	—	—
⊕ Us Dollar	—	0.02	100.05	—	—

## Total Holdings 7

⊕ 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

## 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 23.88 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.62% 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	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## 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	0.93	-	-0.67
Beta	0.98	-	0.99
R-Squared	99.56	-	93.46
Standard Deviation	20.41	20.81	21.23
Sharpe Ratio	0.78	0.74	0.69
Tracking Error	1.43	-	5.43
Information Ratio	0.54	-	-0.32
Up Capture Ratio	99.83	-	96.89
Down Capture Ratio	96.40	-	99.94

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.90	18.99	17.03
Price/Book Ratio	3.24	3.05	2.68
Geom Avg Mkt Cap \$B	25.33	19.55	11.27
ROE	17.16	17.80	19.73

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

Mid-Cap Blend

Morningstar Index

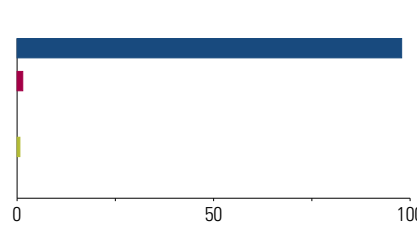
Russell Mid Cap TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™

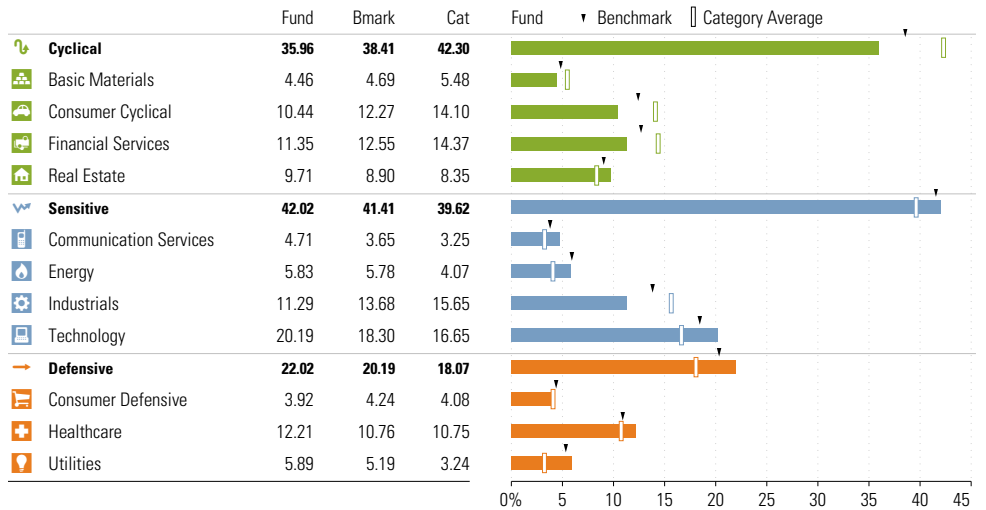


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	97.85	96.06
Non-US Stocks	1.44	2.04
Bonds	0.00	-0.09
Cash	0.71	1.60
Other	0.00	0.39
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Style Breakdown



## Top 15 Holdings as of 03-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Synopsys Inc	0.73	0.73	-9.56	Technology
⊖ Occidental Petroleum Corp	0.72	1.45	96.17	Energy
⊖ DexCom Inc	0.71	2.17	-4.72	Healthcare
⊖ Centene Corp	0.70	2.87	2.17	Healthcare
⊖ Cadence Design Systems Inc	0.65	3.52	-11.75	Technology
⊖ Amphenol Corp Class A	0.65	4.17	-13.62	Technology
⊖ IQVIA Holdings Inc	0.63	4.80	-18.05	Healthcare
⊕ Welltower Inc	0.62	5.42	12.80	Real Estate
⊖ Nucor Corp	0.61	6.03	30.66	Basic Materials
⊖ Microchip Technology Inc	0.60	6.63	-13.40	Technology
⊖ Corvea Inc	0.60	7.23	21.87	Basic Materials
⊖ Valero Energy Corp	0.60	7.82	36.49	Energy
⊕ Realty Income Corp	0.59	8.41	-2.17	Real Estate
⊖ Motorola Solutions Inc	0.58	8.99	-10.57	Technology
⊖ Digital Realty Trust Inc	0.58	9.57	-19.14	Real Estate

**Total Holdings 382**

⊕ 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 5.93 years.

✗ **Style:** The fund has landed in its primary style box — Small Blend — 48.57 % of the time over the past three years.

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

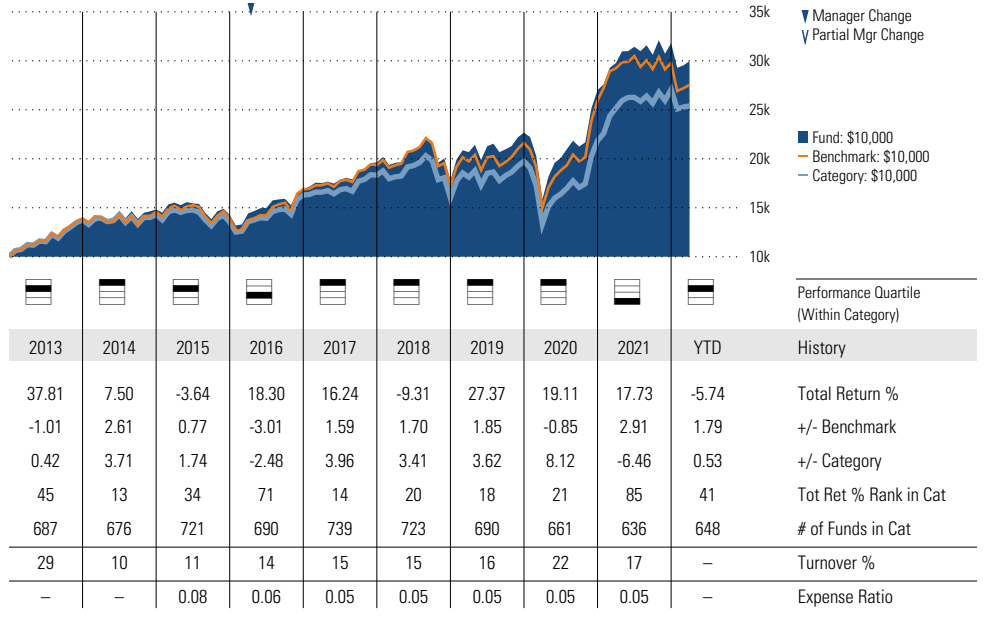
## Morningstar Investment Management LLC Analysis

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

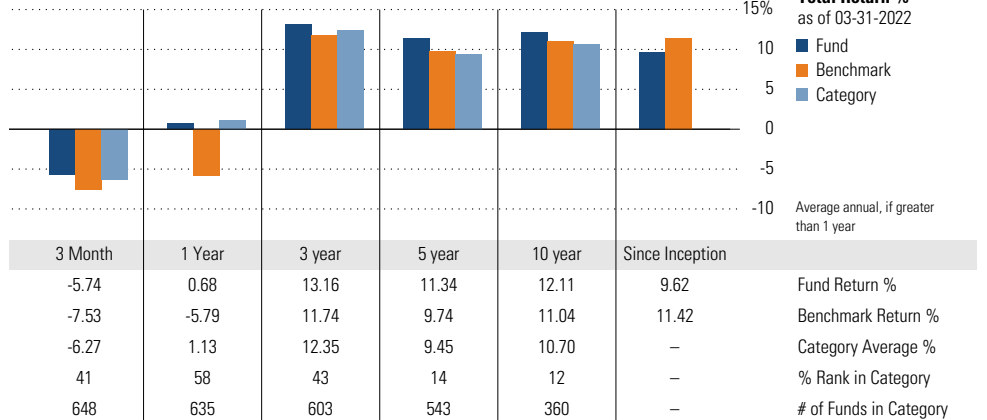
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Medium Risk	12-31-2021

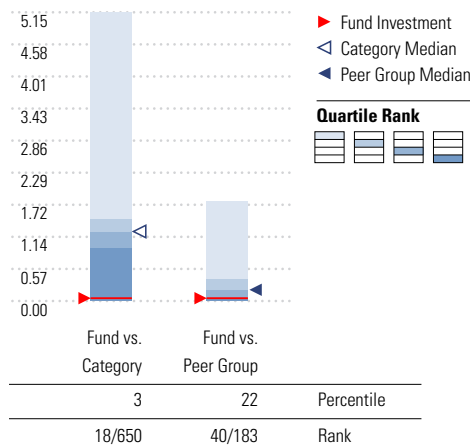
## Growth of \$10,000



## 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	1.83	-	0.93
Beta	0.94	-	0.96
R-Squared	97.41	-	93.56
Standard Deviation	22.67	23.69	23.54
Sharpe Ratio	0.63	0.56	0.58
Tracking Error	3.88	-	5.80
Information Ratio	0.36	-	-0.09
Up Capture Ratio	97.18	-	97.98
Down Capture Ratio	91.21	-	95.81

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.68	14.83	15.55
Price/Book Ratio	2.43	2.17	2.45
Geom Avg Mkt Cap \$B	5.67	2.58	4.60
ROE	13.21	8.76	18.47

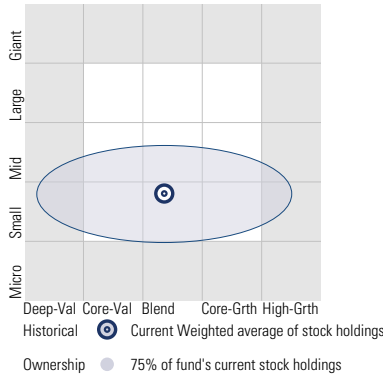
# Vanguard Small Cap Index Adm VSMAX

**Morningstar Category**  
Small Blend

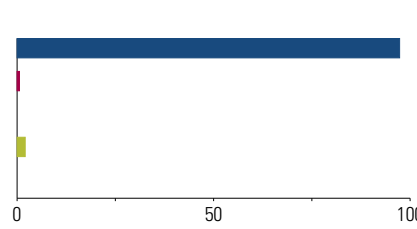
**Morningstar Index**  
Russell 2000 TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™



## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	97.33	96.25
Non-US Stocks	0.60	2.08
Bonds	0.00	0.32
Cash	2.06	1.08
Other	0.00	0.26
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>40.99</b>	<b>37.13</b>	<b>40.33</b>			
Basic Materials	4.80	3.77	4.53			
Consumer Cyclical	11.71	9.62	11.85			
Financial Services	14.18	14.60	16.46			
Real Estate	10.30	9.14	7.49			
<b>Sensitive</b>	<b>40.56</b>	<b>39.13</b>	<b>40.35</b>			
Communication Services	2.67	3.63	3.16			
Energy	5.24	6.53	4.80			
Industrials	17.04	15.12	18.06			
Technology	15.61	13.85	14.33			
<b>Defensive</b>	<b>18.44</b>	<b>23.74</b>	<b>19.31</b>			
Consumer Defensive	3.80	4.06	4.13			
Healthcare	11.53	16.60	13.05			
Utilities	3.11	3.08	2.13			

## Style Breakdown



## Top 15 Holdings as of 03-31-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	1.48	1.48	-	-
⊕ Mktliq 12/31/2049	0.58	2.06	-	-
⊖ Molina Healthcare Inc	0.37	2.43	4.88	Healthcare
⊖ Quanta Services Inc	0.35	2.78	14.84	Industrials
⊖ Marathon Oil Corp	0.34	3.12	53.35	Energy
⊖ Constellation Energy Corp	0.34	3.47	-	Utilities
⊖ Entegris Inc	0.33	3.80	-5.21	Technology
⊖ Targa Resources Corp	0.32	4.13	45.14	Energy
⊖ Bio-Techne Corp	0.32	4.45	-16.23	Healthcare
⊖ Alcoa Corp	0.32	4.76	51.28	Basic Materials
⊖ Brown & Brown Inc	0.31	5.07	2.98	Financial Services
⊕ Atmos Energy Corp	0.30	5.37	14.70	Utilities
⊖ Steel Dynamics Inc	0.30	5.67	34.96	Basic Materials
⊕ Bunge Ltd	0.29	5.96	19.25	Consumer Defensive
⊕ Signature Bank	0.29	6.25	-9.10	Financial Services

**Total Holdings 1551**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2015 Fund 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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.11 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 86.67% lower than the Target-Date 2015 category average.

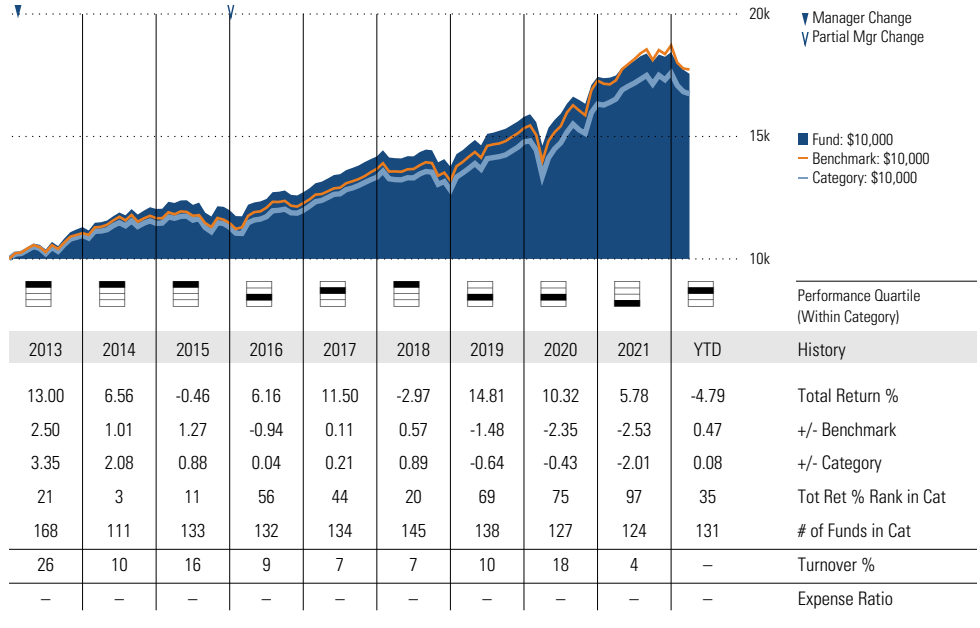
## Morningstar Investment Management LLC Analysis

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.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

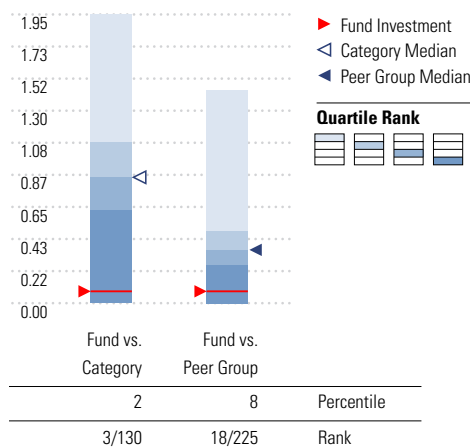
## Growth of \$10,000



## 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	-0.05	-	-0.46
Beta	0.80	-	0.96
R-Squared	97.99	-	95.61
Standard Deviation	6.99	8.61	8.46
Sharpe Ratio	0.80	0.83	0.76
Tracking Error	1.96	-	1.90
Information Ratio	-0.80	-	-0.41
Up Capture Ratio	80.43	-	92.26
Down Capture Ratio	80.85	-	94.67

## Portfolio Metrics

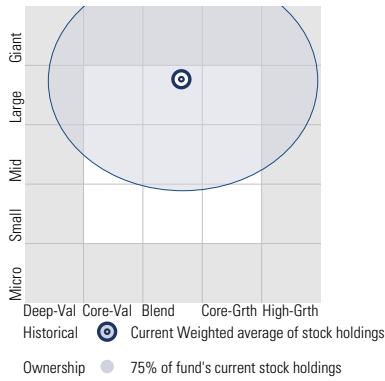
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.84	17.78	17.39
Price/Book Ratio	2.48	2.63	2.75
Avg Eff Duration	6.17	7.80	5.89

# Vanguard Target Retirement 2015 Fund VTXVX

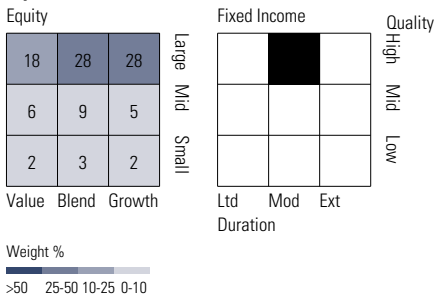
**Morningstar Category**  
Target-Date 2015

**Morningstar Index**  
Morningstar Lifetime Mod 2015 TR USD

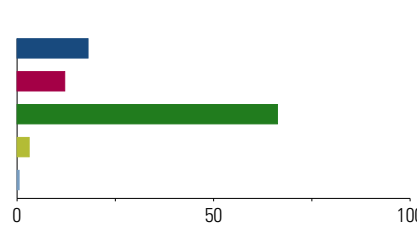
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

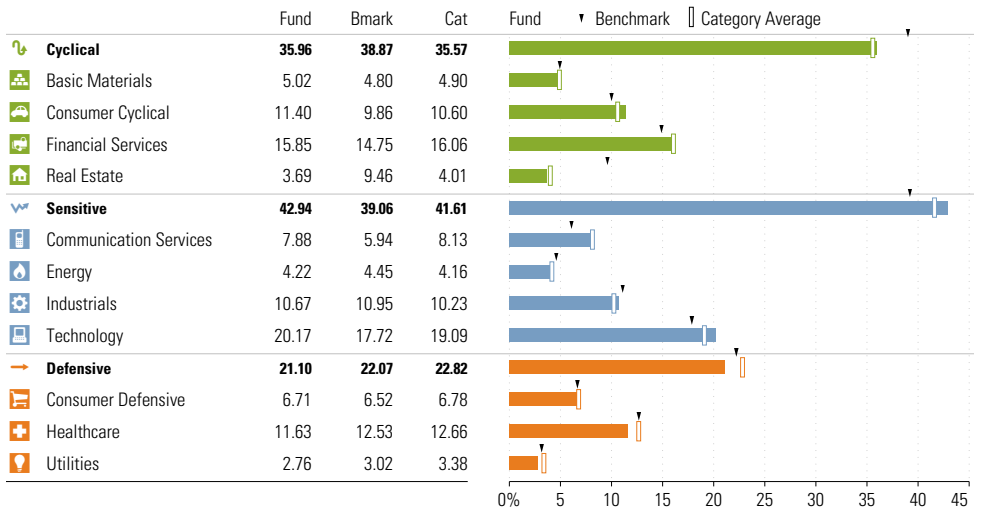


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	18.05	26.62
Non-US Stocks	12.12	14.44
Bonds	66.24	48.43
Cash	3.07	6.09
Other	0.51	4.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Top 7 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	—	36.03	36.03	—	—
⊖ Vanguard Total Stock Mkt Idx Instl Pls	—	18.22	54.25	—	—
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	16.36	70.61	—	—
⊖ Vanguard Total Intl Bd II Idx Instl	—	15.90	86.51	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	12.36	98.87	—	—
⊖ Mktliq 12/31/2049	—	1.22	100.08	—	—
⊕ Us Dollar	—	0.08	100.17	—	—

**Total Holdings 7**

⊕ 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)

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 9.11 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 87.5% lower than the Target-Date 2020 category average.

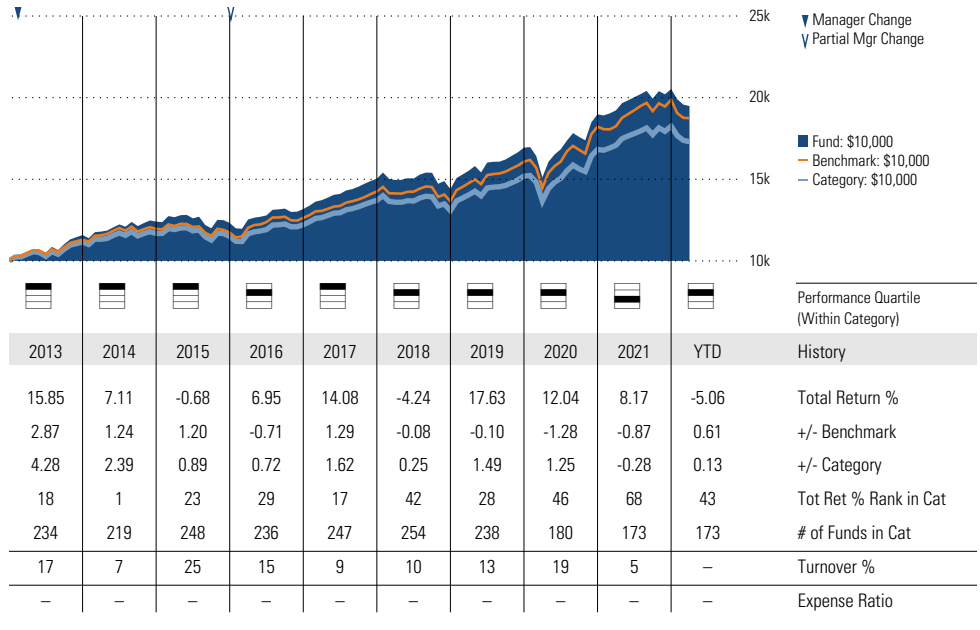
## Morningstar Investment Management LLC Analysis

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.

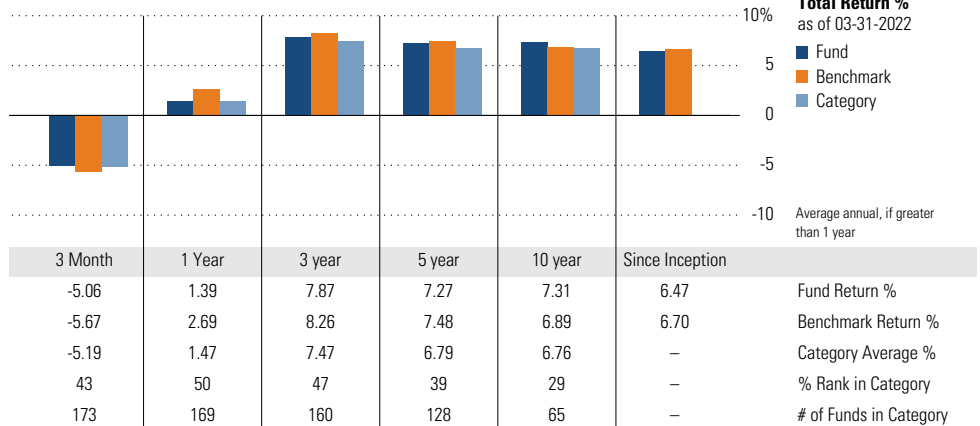
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

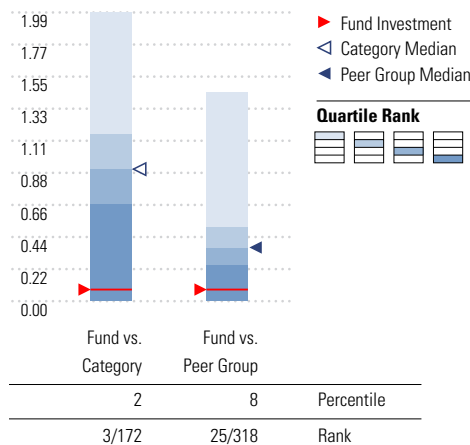
## Growth of \$10,000



## 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	0.00	-	-0.41
Beta	0.95	-	0.93
R-Squared	97.94	-	95.62
Standard Deviation	9.18	9.53	9.08
Sharpe Ratio	0.80	0.81	0.74
Tracking Error	1.39	-	2.14
Information Ratio	-0.28	-	-0.47
Up Capture Ratio	94.80	-	90.56
Down Capture Ratio	94.40	-	92.94

## Portfolio Metrics

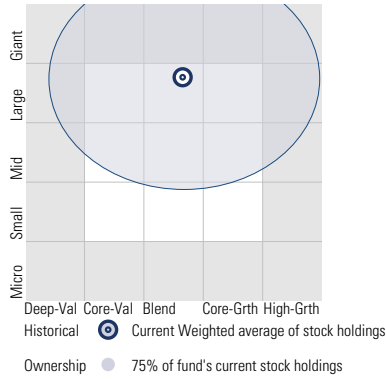
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.61	17.77
Price/Book Ratio	2.50	2.60	2.67
Avg Eff Duration	6.41	8.70	5.98

# Vanguard Target Retirement 2020 Fund VTWNX

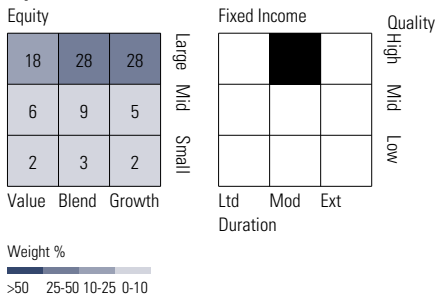
**Morningstar Category**  
Target-Date 2020

**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

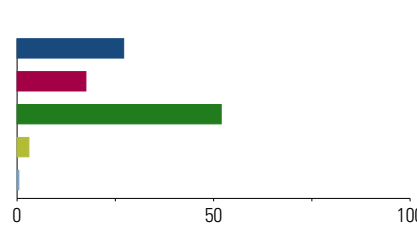
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

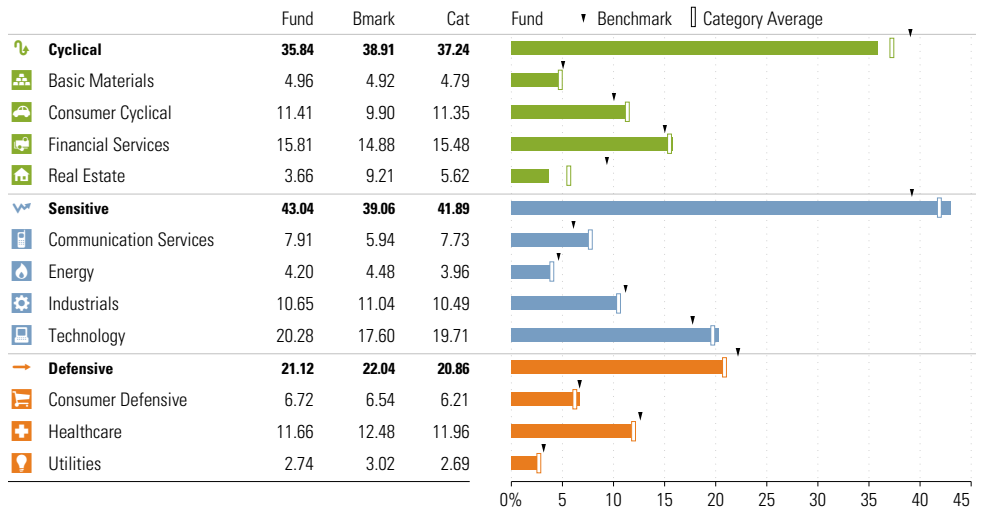


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	27.12	26.15
Non-US Stocks	17.51	15.03
Bonds	51.93	47.91
Cash	3.00	3.60
Other	0.44	7.34
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Top 7 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	30.05	30.05	-	-
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	27.37	57.42	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	17.85	75.27	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	13.37	88.64	-	-
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	10.03	98.67	-	-
⊖ Mktliq 12/31/2049	-	1.31	99.98	-	-
⊖ Us Dollar	-	0.02	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)

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 9.11 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 2025 category average.

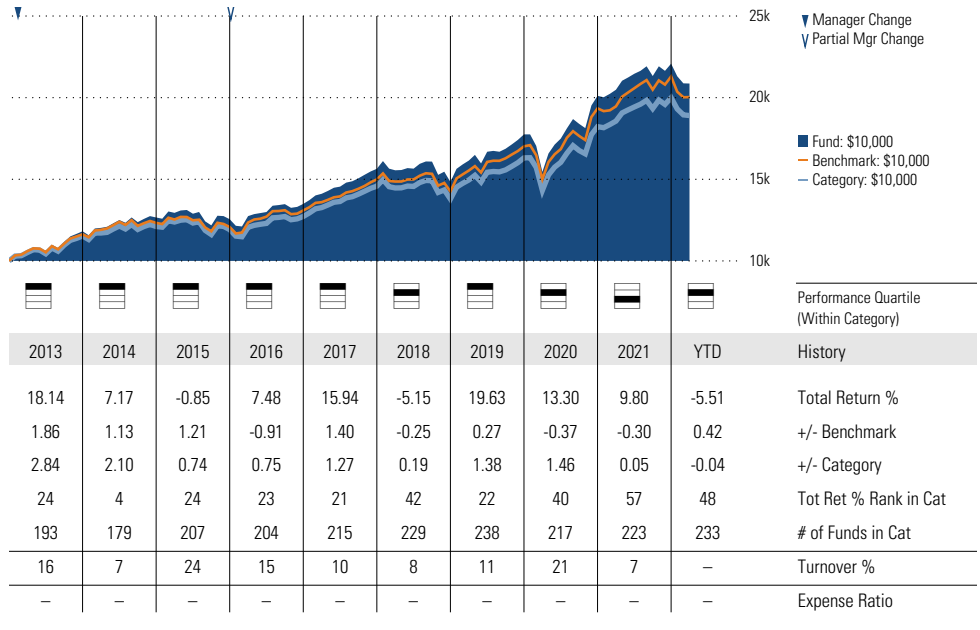
## Morningstar Investment Management LLC Analysis

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	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

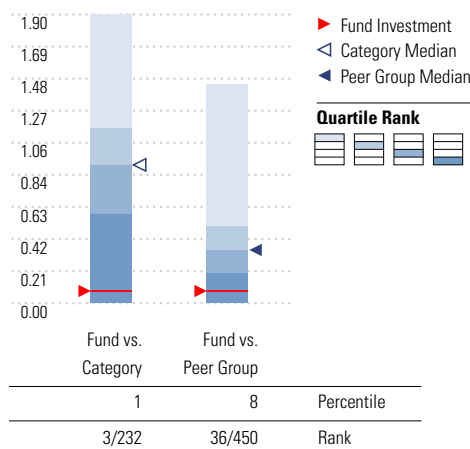
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.02	-	-0.27
Beta	1.01	-	0.95
R-Squared	98.41	-	96.66
Standard Deviation	10.84	10.68	10.27
Sharpe Ratio	0.78	0.78	0.74
Tracking Error	1.37	-	2.15
Information Ratio	0.05	-	-0.31
Up Capture Ratio	101.77	-	94.27
Down Capture Ratio	102.55	-	96.69

## Portfolio Metrics

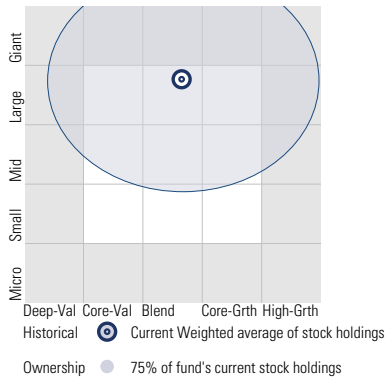
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.45	17.82
Price/Book Ratio	2.50	2.56	2.69
Avg Eff Duration	6.96	9.46	6.52

# Vanguard Target Retirement 2025 Fund VTTVX

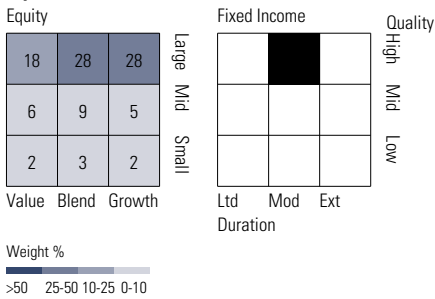
**Morningstar Category**  
Target-Date 2025

**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

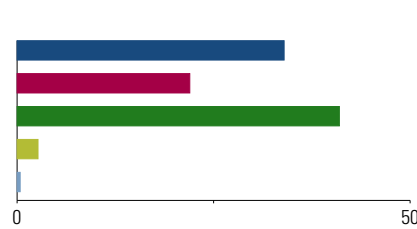
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

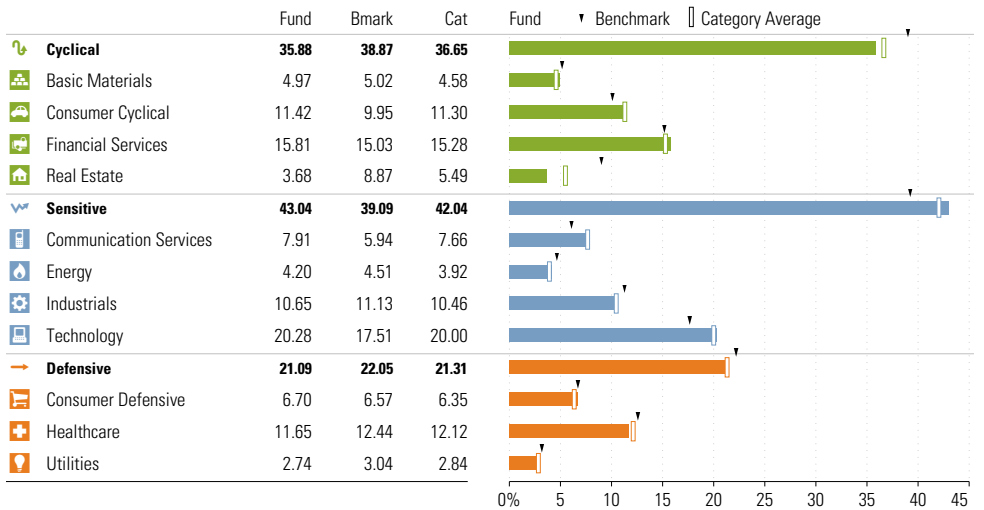


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	33.97	30.32
Non-US Stocks	21.97	16.44
Bonds	41.00	39.68
Cash	2.66	3.59
Other	0.39	9.96
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Top 7 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	34.29	34.29	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	27.20	61.48	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	22.39	83.87	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	12.07	95.94	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	2.76	98.70	-	-
⊕ Mktliq 12/31/2049	-	1.31	100.01	-	-
⊕ Us Dollar	-	0.01	100.01	-	-

**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)

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 9.11 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 88.41% lower than the Target-Date 2030 category average.

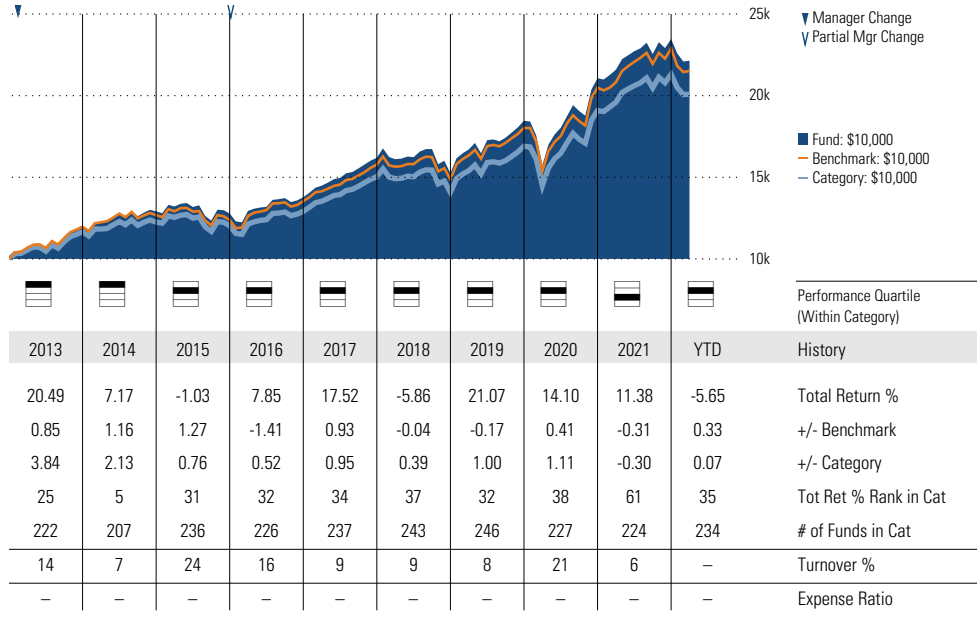
## Morningstar Investment Management LLC Analysis

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.

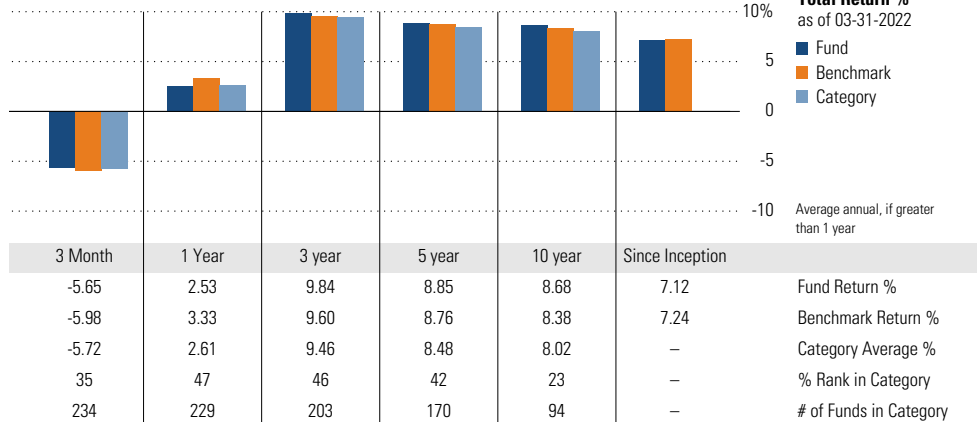
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

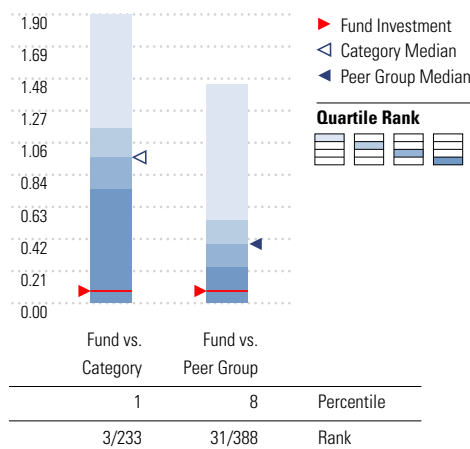
## Growth of \$10,000



## 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	0.35	-	0.01
Beta	0.99	-	0.97
R-Squared	99.00	-	97.86
Standard Deviation	12.10	12.22	11.93
Sharpe Ratio	0.78	0.76	0.75
Tracking Error	1.23	-	1.98
Information Ratio	0.20	-	-0.12
Up Capture Ratio	100.77	-	97.82
Down Capture Ratio	99.49	-	98.70

## Portfolio Metrics

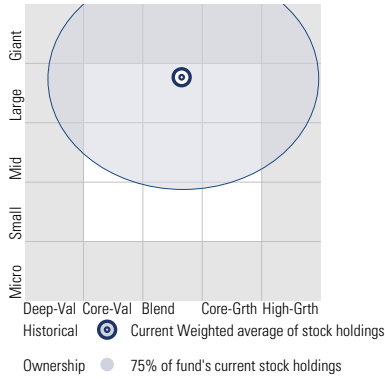
	Fund	Bmark	Cat
Price/Earnings Ratio	16.92	17.27	17.76
Price/Book Ratio	2.50	2.53	2.73
Avg Eff Duration	7.25	10.10	6.93

# Vanguard Target Retirement 2030 Fund VTHR

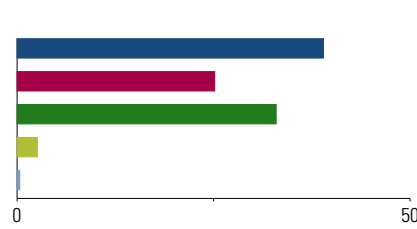
**Morningstar Category**  
Target-Date 2030

**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

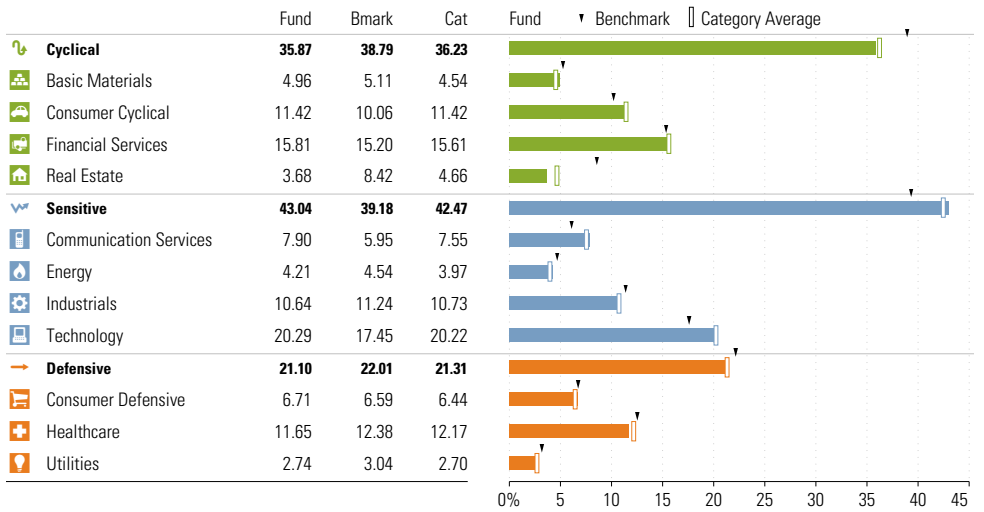


**Asset Allocation** as of 03-31-2022

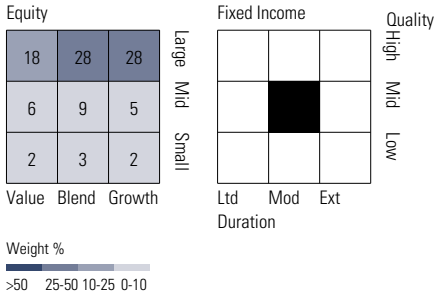


Asset Class	Net %	Cat%
US Stocks	38.98	36.98
Non-US Stocks	25.14	19.84
Bonds	32.96	29.89
Cash	2.58	2.57
Other	0.34	10.71
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	39.34	39.34	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	25.61	64.95	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	23.39	88.35	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	10.32	98.67	-	-
⊕ Mktliq 12/31/2049	-	1.31	99.98	-	-
⊕ Us Dollar	-	0.02	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  
William Coleman since 02-2013

## 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 9.11 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 2035 category average.

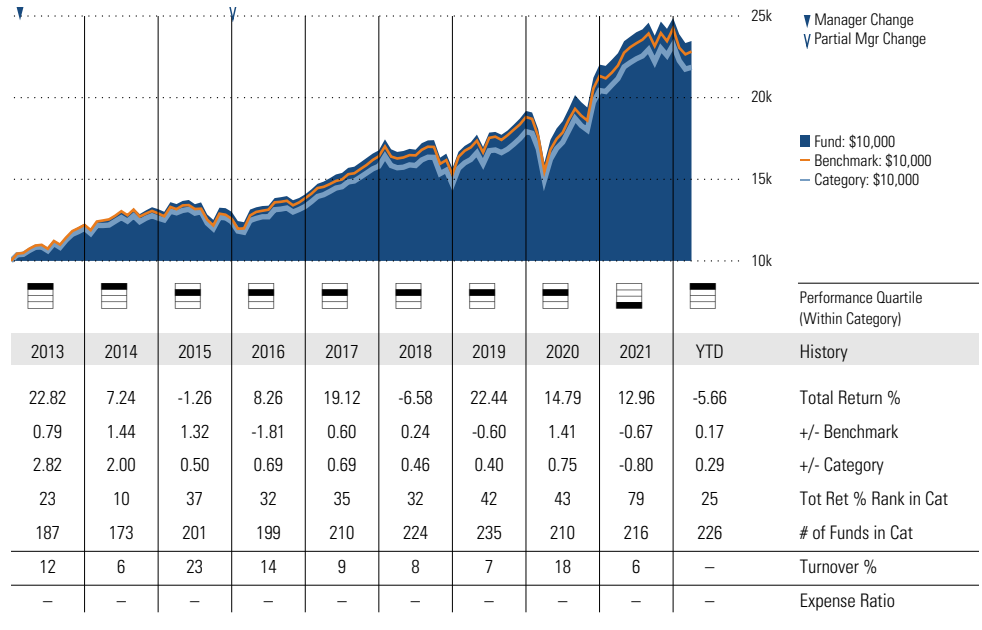
## Morningstar Investment Management LLC Analysis

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.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

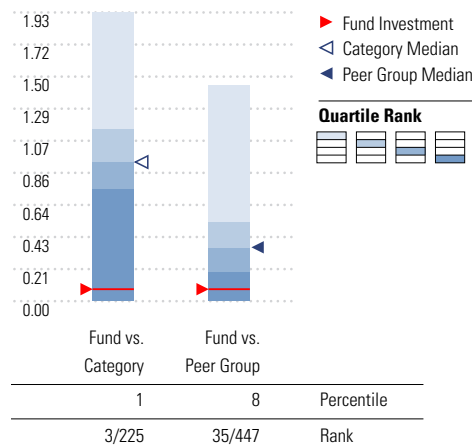
## Growth of \$10,000



## 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	0.76	-	0.43
Beta	0.95	-	0.97
R-Squared	99.27	-	98.27
Standard Deviation	13.35	13.98	13.63
Sharpe Ratio	0.78	0.73	0.75
Tracking Error	1.33	-	2.00
Information Ratio	0.26	-	0.14
Up Capture Ratio	97.98	-	98.87
Down Capture Ratio	94.39	-	97.34

## Portfolio Metrics

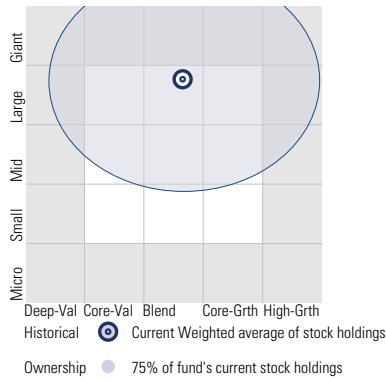
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.09	17.61
Price/Book Ratio	2.50	2.49	2.68
Avg Eff Duration	7.25	10.66	7.24

# Vanguard Target Retirement 2035 Fund VTTHX

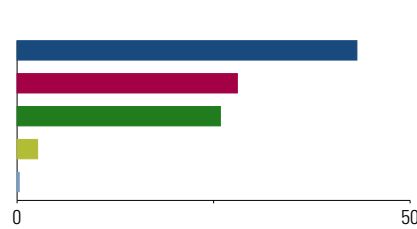
**Morningstar Category**  
Target-Date 2035

**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

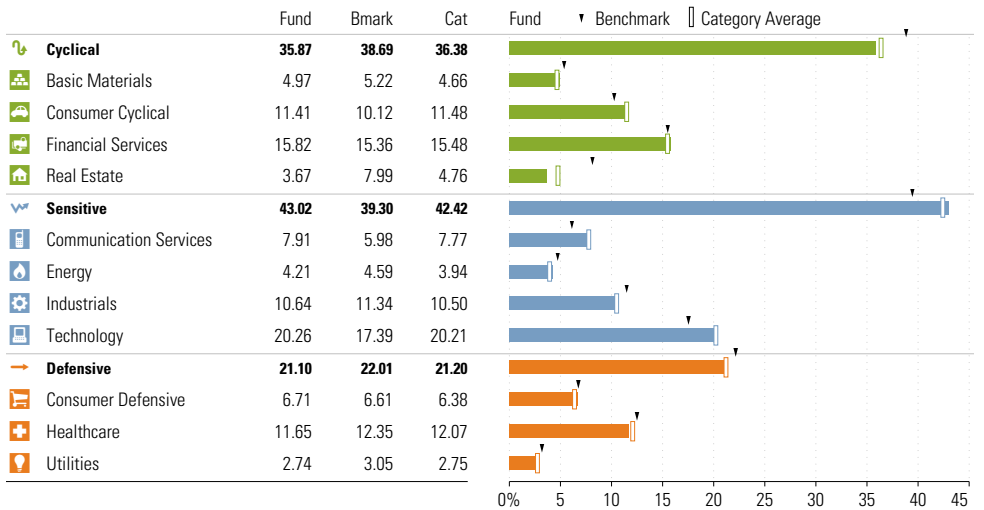


**Asset Allocation** as of 03-31-2022

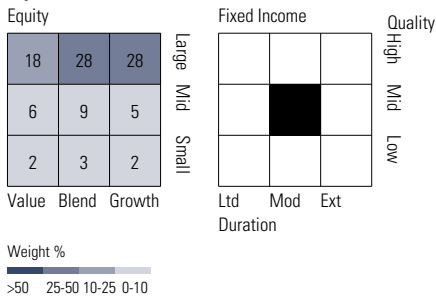


Asset Class	Net %	Cat%
US Stocks	43.23	42.95
Non-US Stocks	28.02	24.35
Bonds	25.86	20.27
Cash	2.61	2.59
Other	0.27	9.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	43.63	43.63	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	28.56	72.18	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	18.32	90.51	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	8.13	98.64	-	-
⊕ Mktliq 12/31/2049	-	1.35	99.99	-	-
⊖ Us Dollar	-	0.01	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)

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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.11 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 2040 category average.

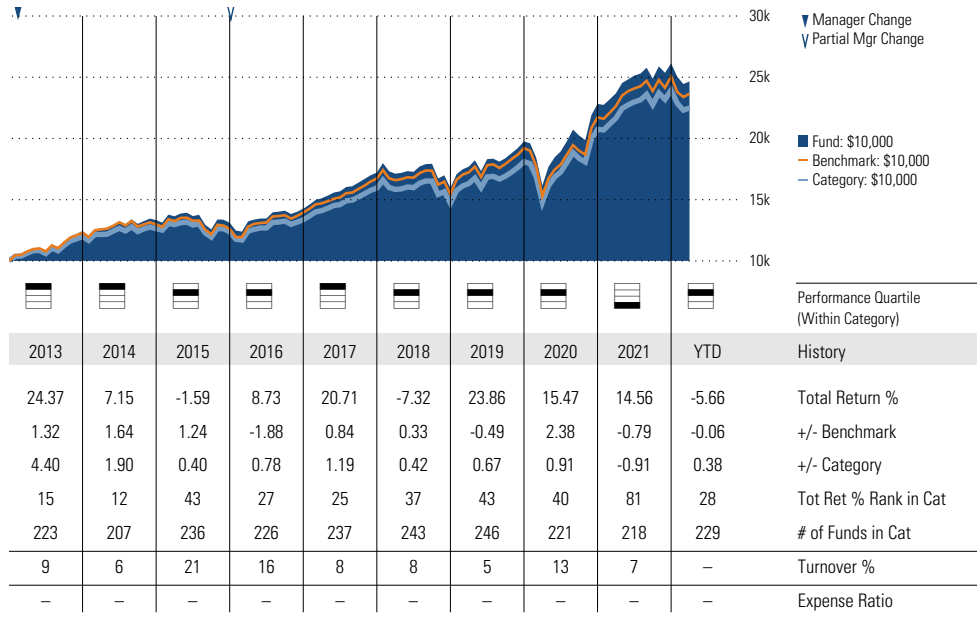
## Morningstar Investment Management LLC Analysis

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.

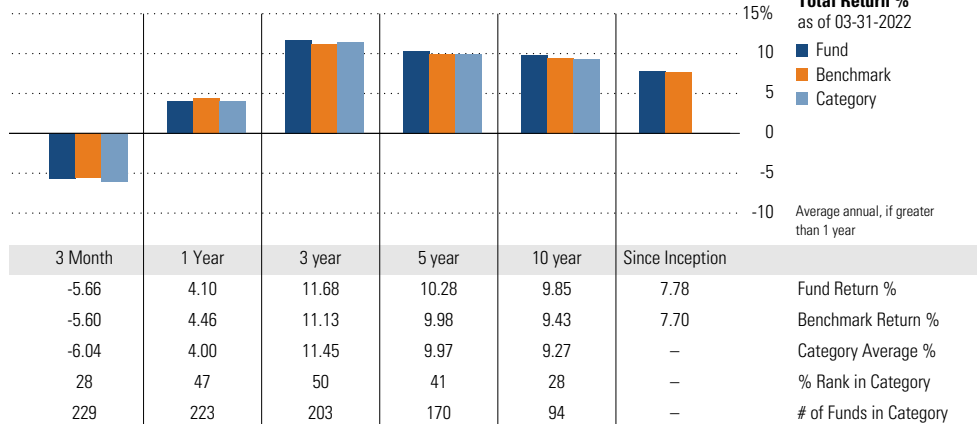
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

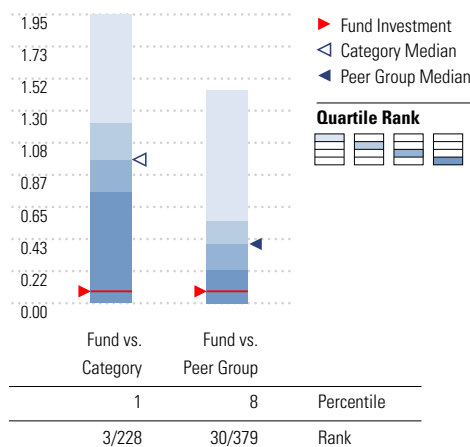
## Growth of \$10,000



## 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	1.09	-	0.72
Beta	0.94	-	0.95
R-Squared	99.22	-	98.32
Standard Deviation	14.60	15.50	14.90
Sharpe Ratio	0.78	0.72	0.76
Tracking Error	1.60	-	2.13
Information Ratio	0.35	-	0.23
Up Capture Ratio	97.41	-	98.32
Down Capture Ratio	92.67	-	95.65

## Portfolio Metrics

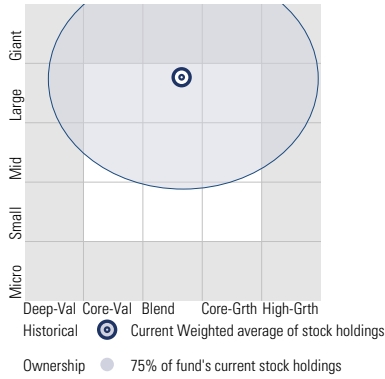
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.93	17.52
Price/Book Ratio	2.50	2.46	2.66
Avg Eff Duration	7.25	11.14	7.50

# Vanguard Target Retirement 2040 Fund VFORX

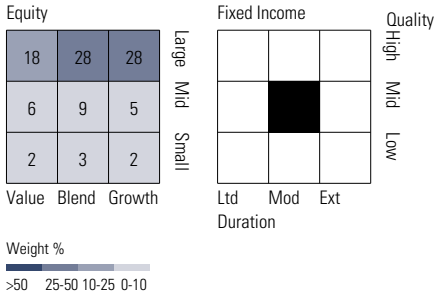
**Morningstar Category**  
Target-Date 2040

**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

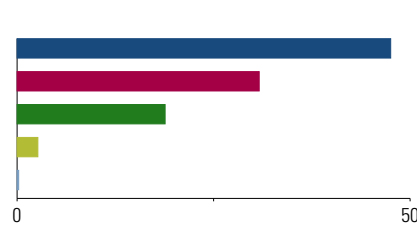
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

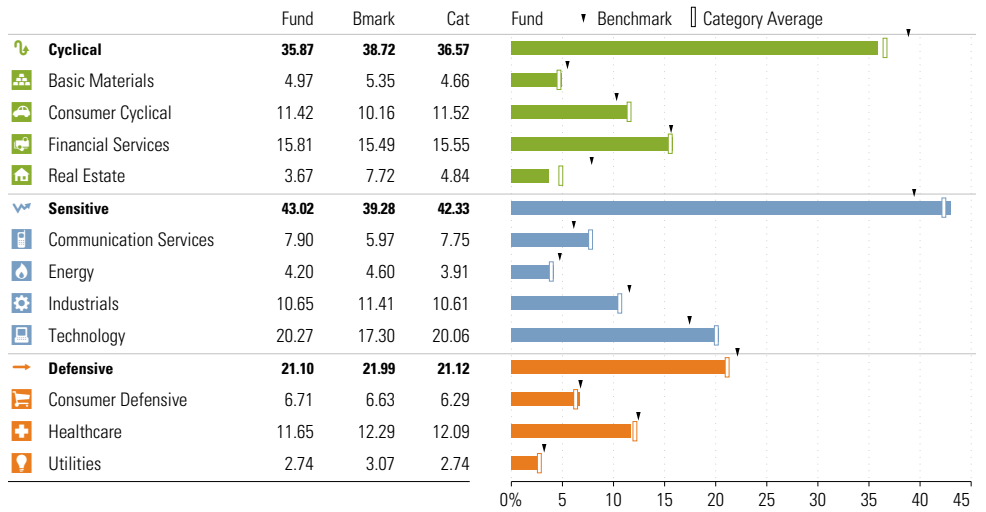


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	47.53	48.66
Non-US Stocks	30.80	28.01
Bonds	18.83	12.89
Cash	2.64	2.05
Other	0.20	8.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	47.97	47.97	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	31.38	79.36	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	13.36	92.72	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	5.90	98.62	-	-
⊕ Mktliq 12/31/2049	-	1.36	99.98	-	-
⊕ Us Dollar	-	0.02	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)

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 9.11 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 2045 category average.

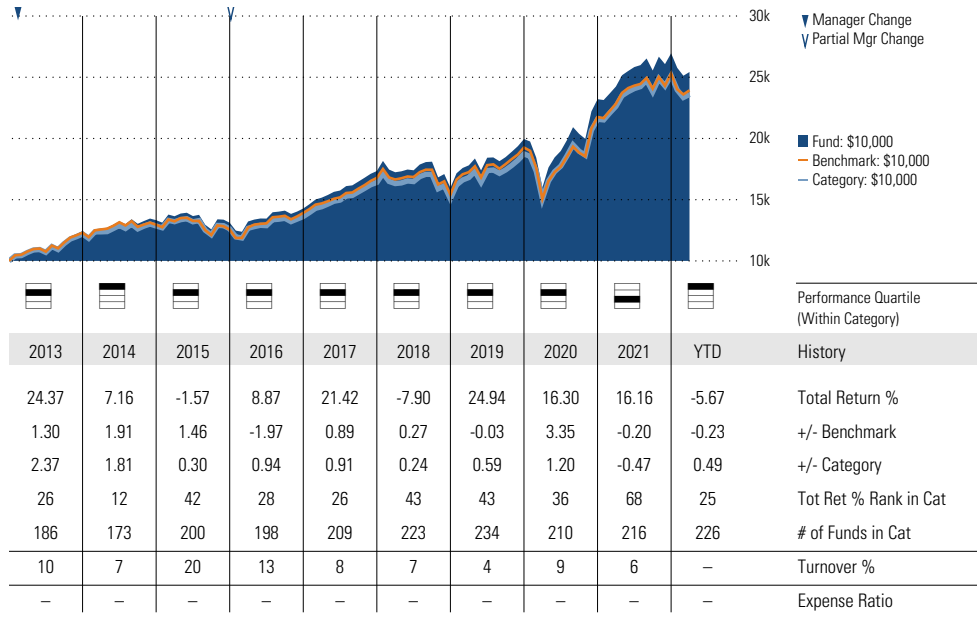
## Morningstar Investment Management LLC Analysis

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.

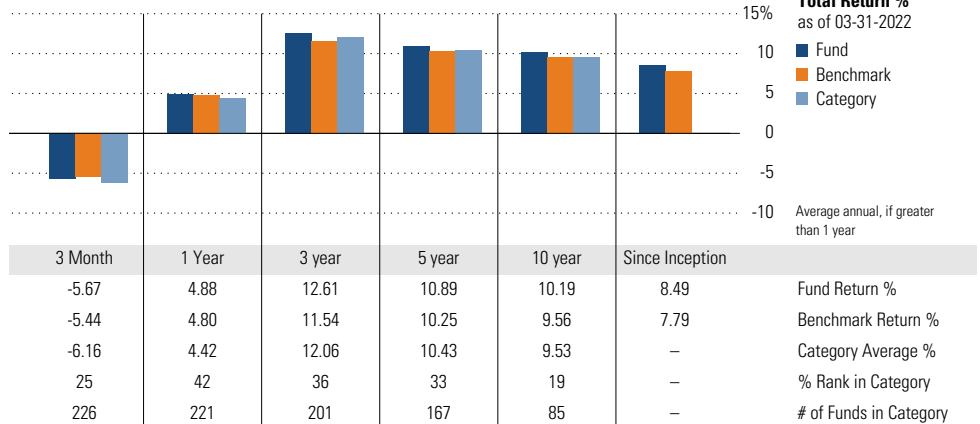
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

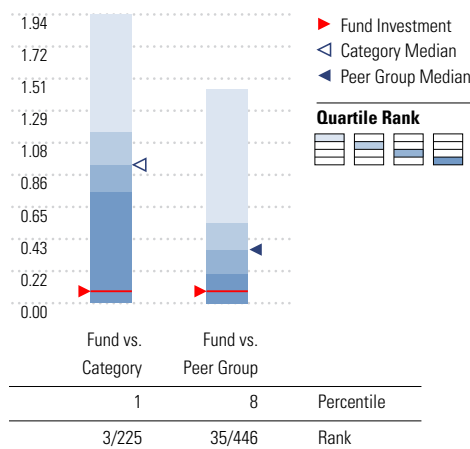
## Growth of \$10,000



## 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	1.34	-	0.88
Beta	0.96	-	0.95
R-Squared	99.12	-	98.30
Standard Deviation	15.84	16.39	15.75
Sharpe Ratio	0.79	0.71	0.76
Tracking Error	1.61	-	2.17
Information Ratio	0.67	-	0.29
Up Capture Ratio	100.45	-	98.75
Down Capture Ratio	95.08	-	95.61

## Portfolio Metrics

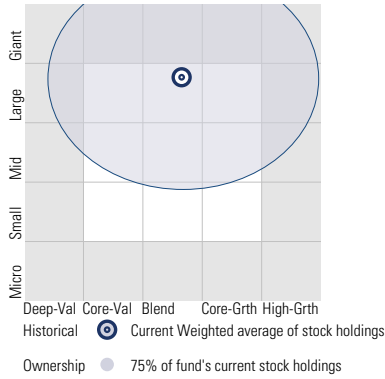
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.80	17.62
Price/Book Ratio	2.50	2.43	2.65
Avg Eff Duration	7.25	11.57	7.28

# Vanguard Target Retirement 2045 Fund VTIVX

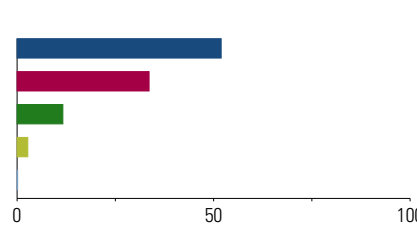
**Morningstar Category**  
Target-Date 2045

**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

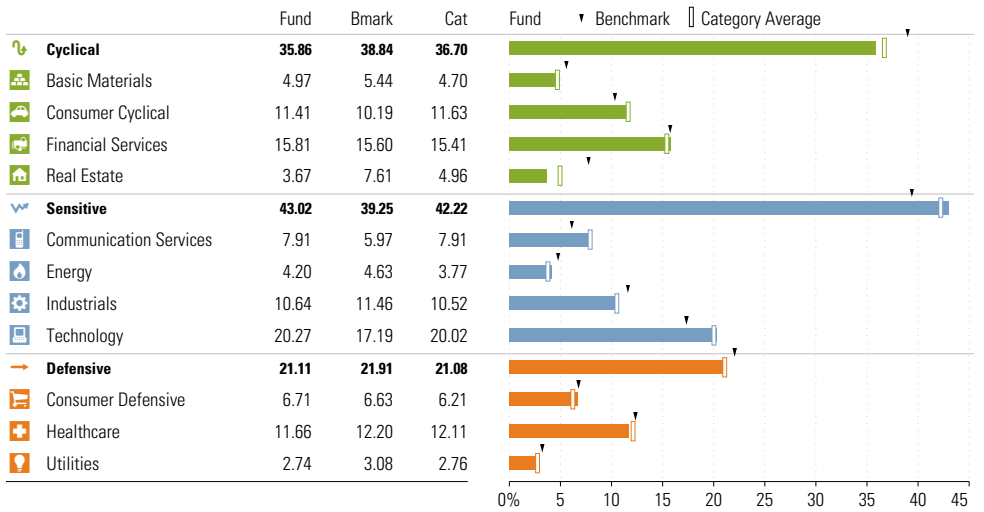


**Asset Allocation** as of 03-31-2022

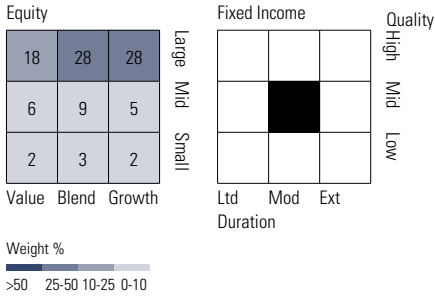


Asset Class	Net %	Cat%
US Stocks	51.92	52.39
Non-US Stocks	33.58	30.14
Bonds	11.64	6.98
Cash	2.72	2.04
Other	0.14	8.47
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.40	52.40	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	34.21	86.61	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	8.24	94.86	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.67	98.53	-	-
⊕ Mktliq 12/31/2049	-	1.44	99.96	-	-
⊖ Us Dollar	-	0.04	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2050 Fund VFIFFX

**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 9.11 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 88.89% lower than the Target-Date 2050 category average.

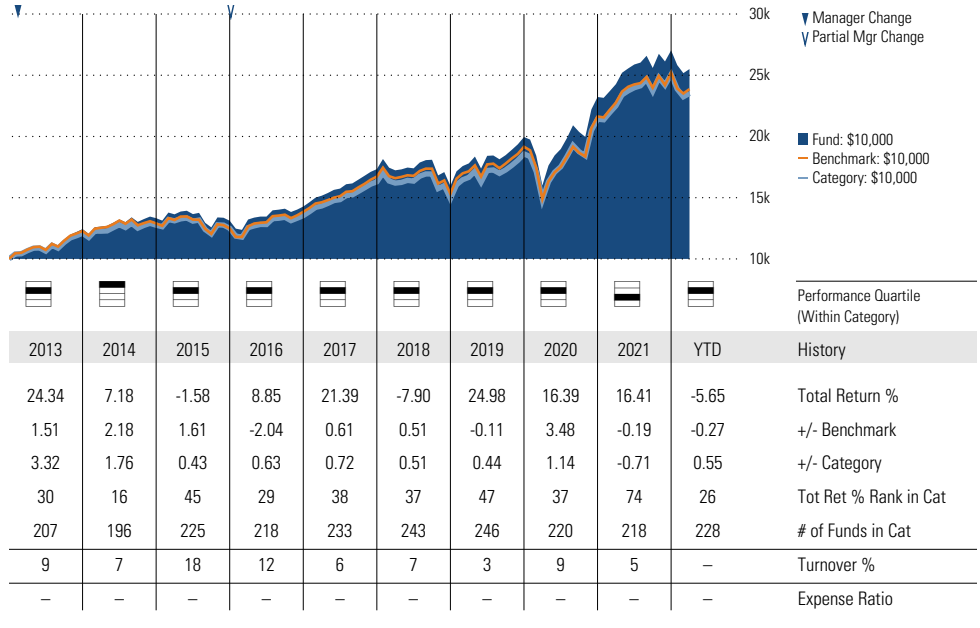
## Morningstar Investment Management LLC Analysis

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.

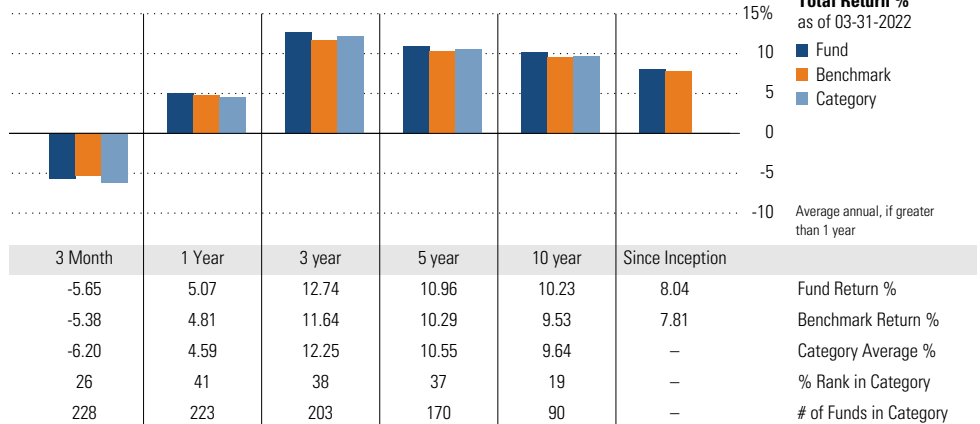
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

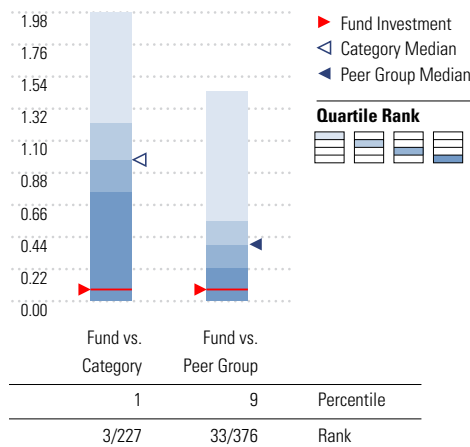
## Growth of \$10,000



## 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	1.53	-	0.94
Beta	0.95	-	0.95
R-Squared	99.05	-	98.22
Standard Deviation	15.88	16.71	16.07
Sharpe Ratio	0.79	0.70	0.75
Tracking Error	1.79	-	2.20
Information Ratio	0.62	-	0.28
Up Capture Ratio	99.52	-	99.06
Down Capture Ratio	93.55	-	95.81

## Portfolio Metrics

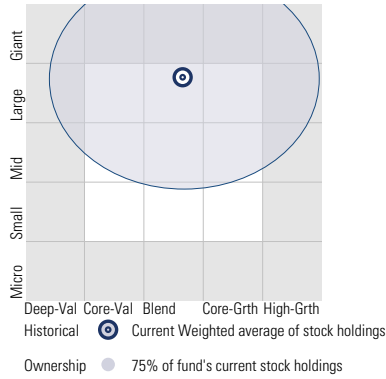
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.68	17.57
Price/Book Ratio	2.50	2.41	2.64
Avg Eff Duration	7.26	-	6.69

# Vanguard Target Retirement 2050 Fund VFIIX

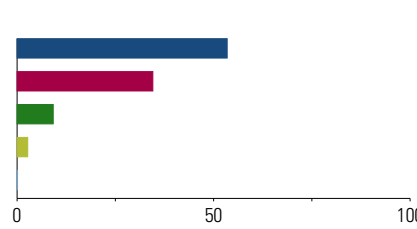
**Morningstar Category**  
Target-Date 2050

**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

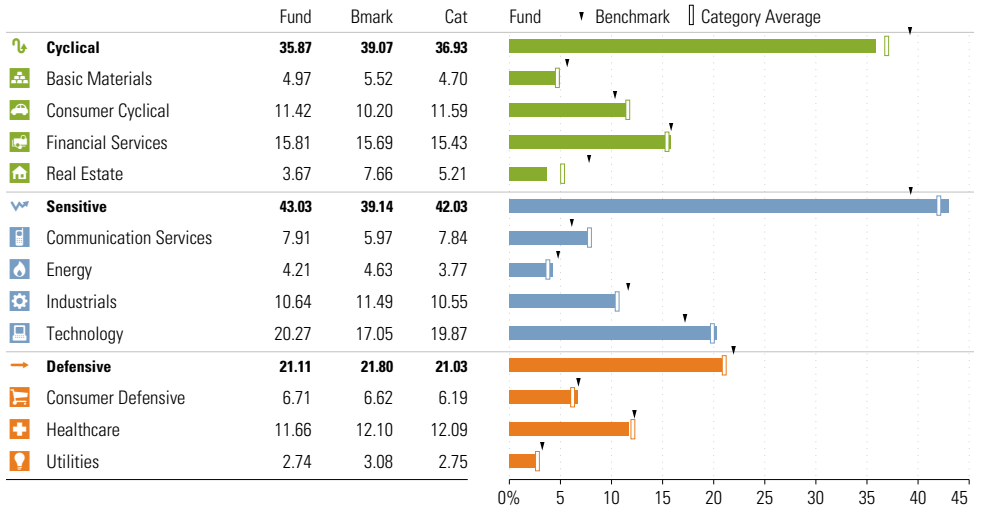


**Asset Allocation** as of 03-31-2022

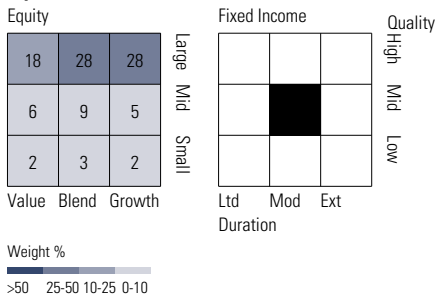


Asset Class	Net %	Cat%
US Stocks	53.45	54.18
Non-US Stocks	34.54	31.45
Bonds	9.19	5.37
Cash	2.70	1.73
Other	0.11	7.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.95	53.95	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.19	89.14	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.48	95.62	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.92	98.54	-	-
⊕ Mktliq 12/31/2049	-	1.45	100.00	-	-
⊖ Us Dollar	-	0.00	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)

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 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.11 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.

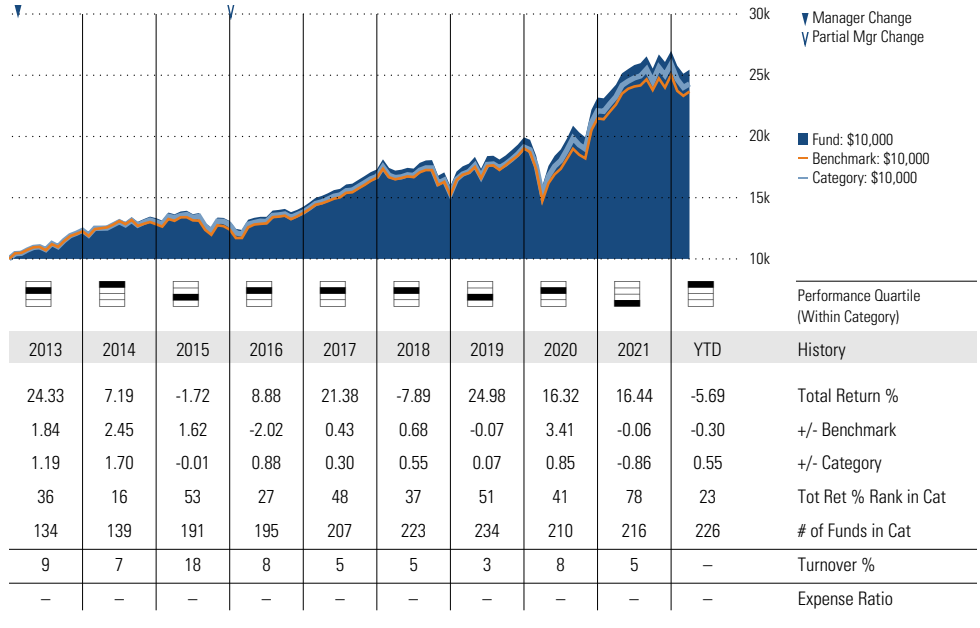
## Morningstar Investment Management LLC Analysis

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.

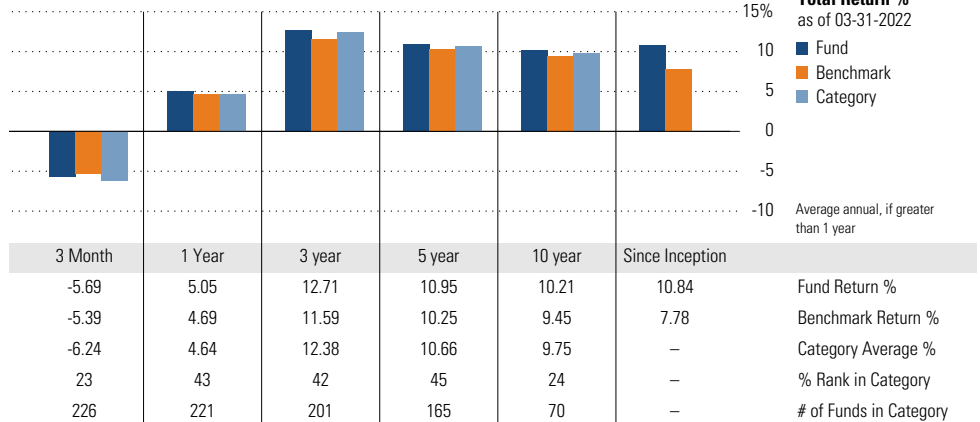
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

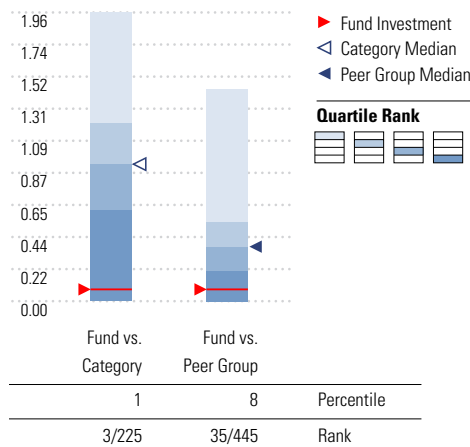
## Growth of \$10,000



## 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	1.59	-	1.05
Beta	0.94	-	0.96
R-Squared	99.00	-	98.16
Standard Deviation	15.89	16.80	16.21
Sharpe Ratio	0.79	0.70	0.75
Tracking Error	1.87	-	2.23
Information Ratio	0.60	-	0.34
Up Capture Ratio	99.25	-	99.78
Down Capture Ratio	93.07	-	96.17

## Portfolio Metrics

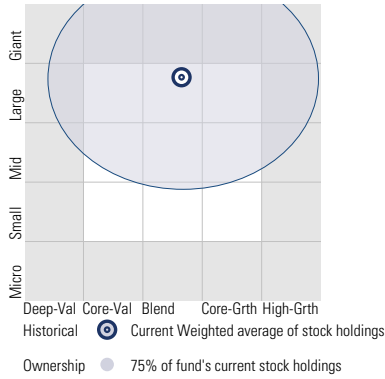
	Fund	Bmark	Cat
Price/Earnings Ratio	16.89	16.56	17.29
Price/Book Ratio	2.49	2.38	2.57
Avg Eff Duration	7.25	-	6.54

# Vanguard Target Retirement 2055 Fund VFFVX

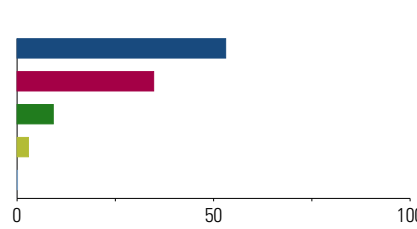
**Morningstar Category**  
Target-Date 2055

**Morningstar Index**  
Morningstar Lifetime Mod 2055 TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

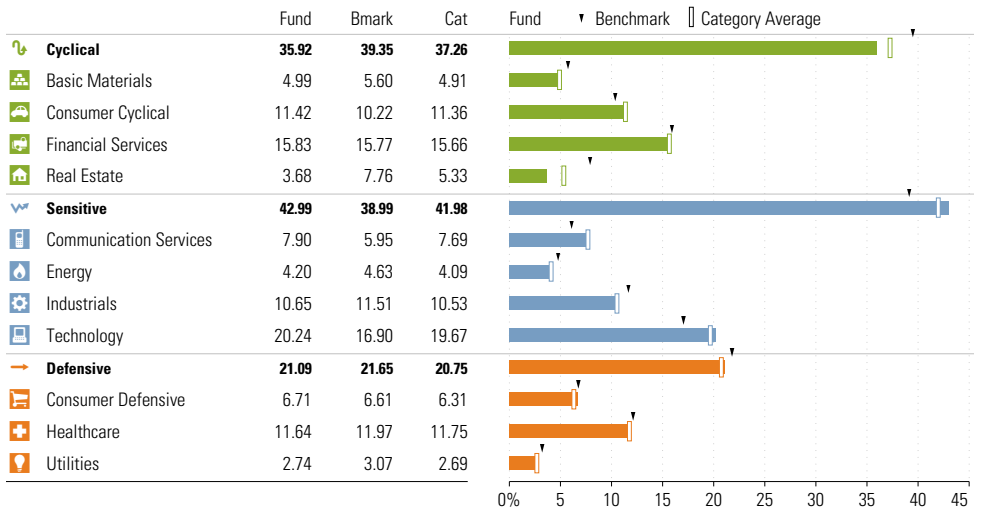


**Asset Allocation** as of 03-31-2022

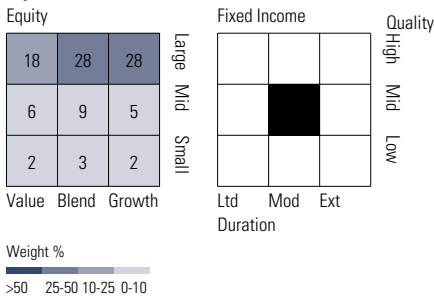


Asset Class	Net %	Cat%
US Stocks	53.07	53.78
Non-US Stocks	34.75	34.81
Bonds	9.20	4.62
Cash	2.88	1.52
Other	0.11	5.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 6 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.55	53.55	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.41	88.97	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.51	95.48	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	2.90	98.37	-	-
⊕ Mktliq 12/31/2049	-	1.58	99.95	-	-
⊕ Us Dollar	-	0.05	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

**Morningstar Index**  
Morningstar Mod Tgt Risk 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 8 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.11 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 88.89% lower than the Target-Date 2060 category average.

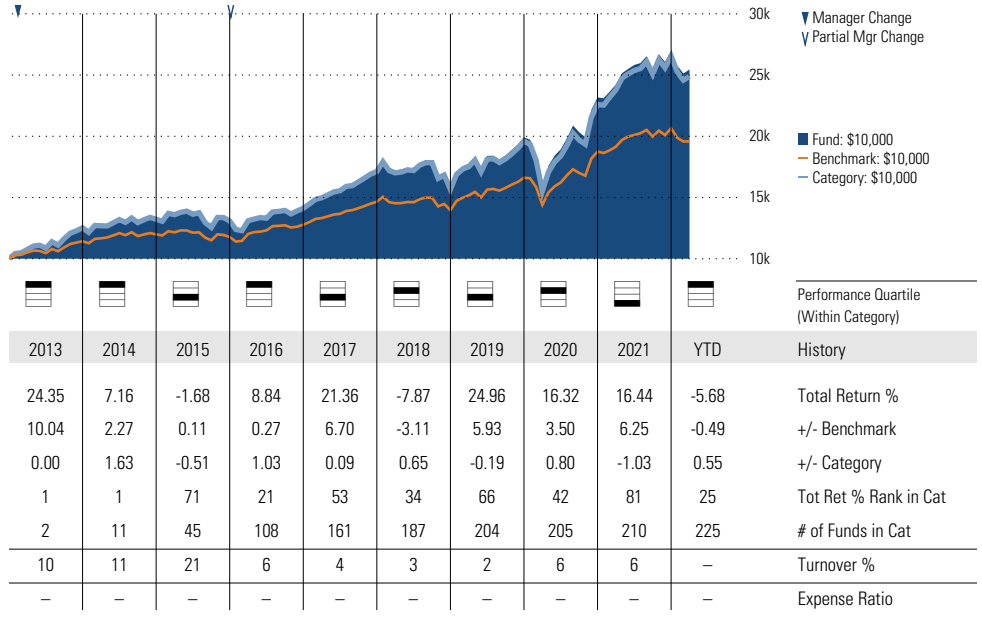
## Morningstar Investment Management LLC Analysis

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.

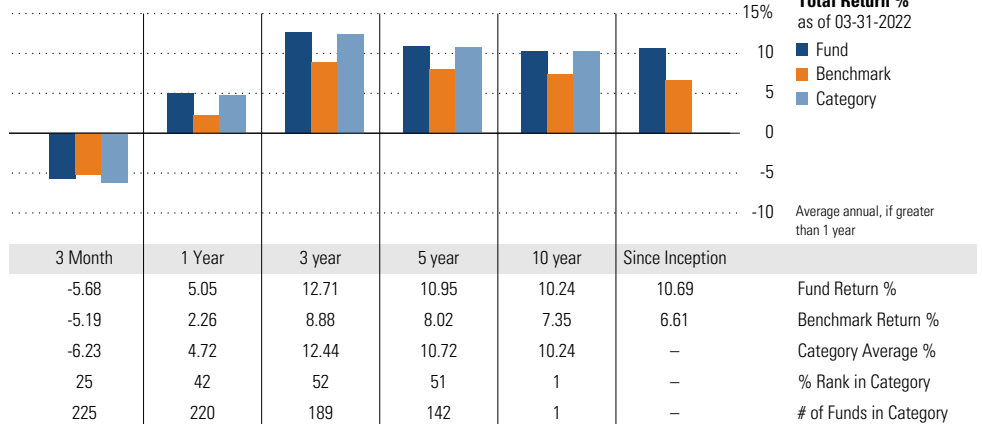
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

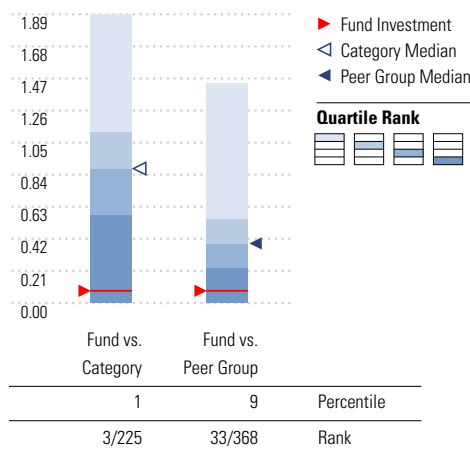
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.21	-	-0.39
Beta	1.43	-	1.46
R-Squared	98.67	-	97.68
Standard Deviation	15.87	11.03	16.34
Sharpe Ratio	0.79	0.76	0.75
Tracking Error	5.07	-	5.70
Information Ratio	0.75	-	0.61
Up Capture Ratio	146.09	-	147.81
Down Capture Ratio	148.09	-	154.30

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.87	16.35	17.66
Price/Book Ratio	2.49	2.35	2.69
Avg Eff Duration	7.25	6.81	6.34

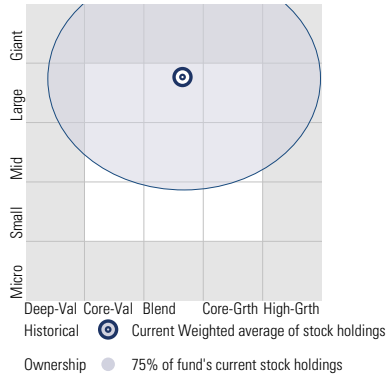
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

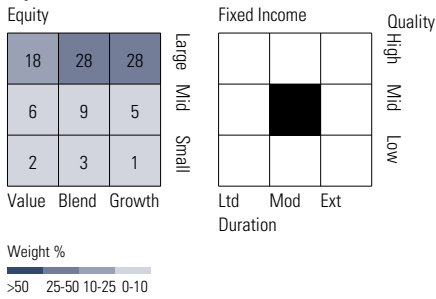
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 03-31-2022

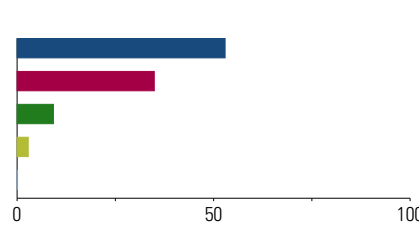
Morningstar Style Box™



## Style Breakdown

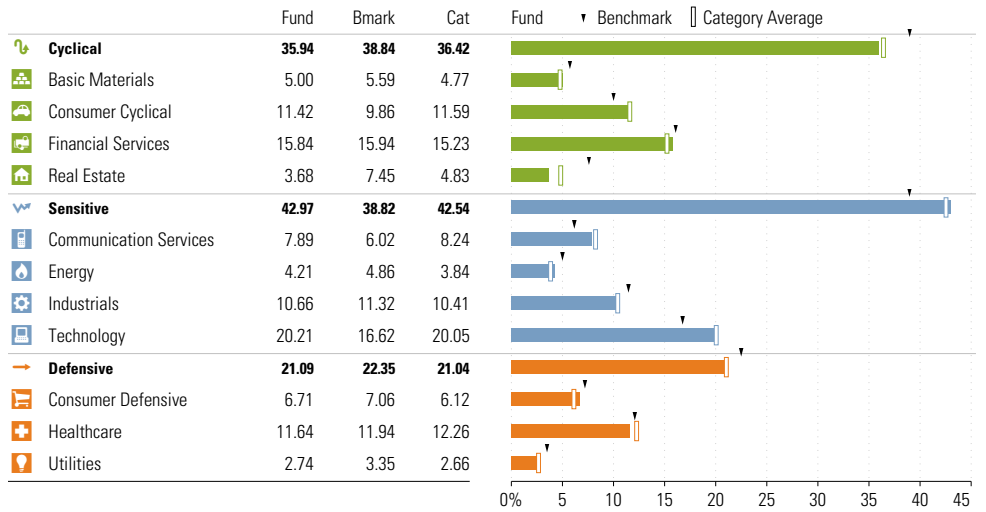


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	52.92	55.68
Non-US Stocks	34.90	33.32
Bonds	9.24	4.62
Cash	2.83	1.90
Other	0.11	4.49
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Top 6 Holdings as of 03-31-2022

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	-	35.57	88.97	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.56	95.53	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.89	98.42	-	-
⊕ Mktliq 12/31/2049	-	1.56	99.98	-	-
⊖ Us Dollar	-	0.02	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)

Walter Nejman since 07-2017  
William Coleman since 07-2017

## Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2065+ category's top three quartiles in 2 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.72 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 88.73% lower than the Target-Date 2065+ category average.

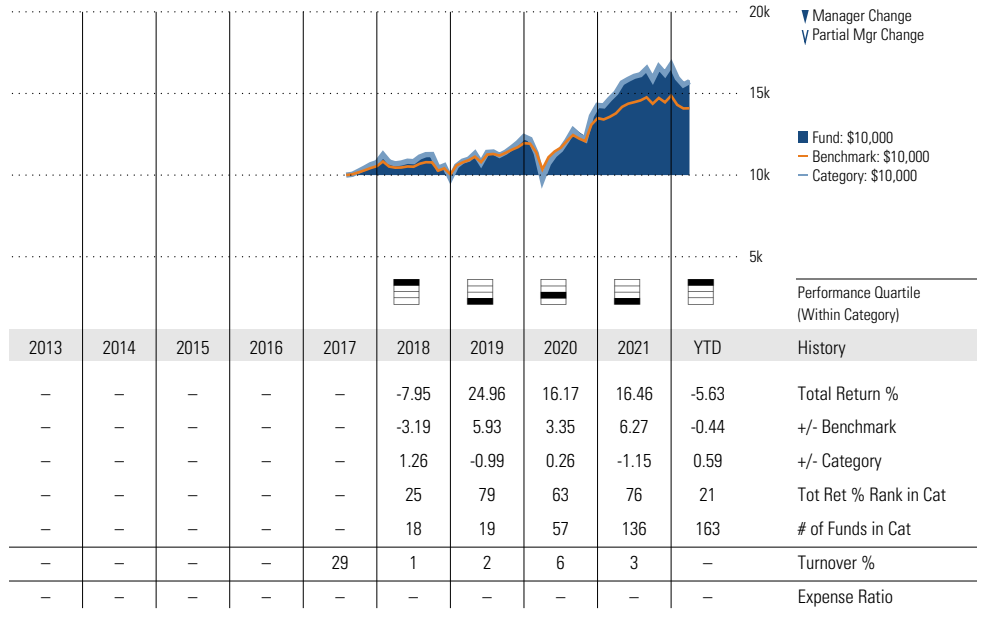
## Morningstar Investment Management LLC Analysis

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	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

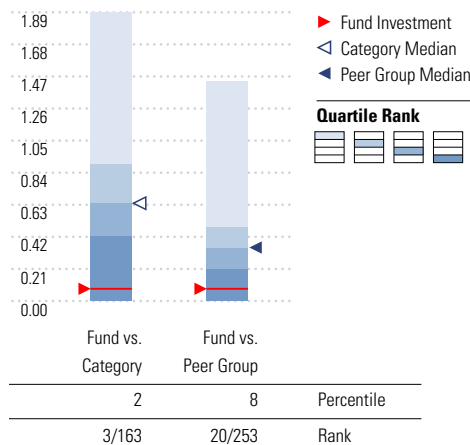
## Growth of \$10,000



## 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	0.18	-	-1.03
Beta	1.43	-	1.53
R-Squared	98.67	-	97.89
Standard Deviation	15.89	11.03	17.06
Sharpe Ratio	0.79	0.76	0.72
Tracking Error	5.10	-	6.35
Information Ratio	0.75	-	0.52
Up Capture Ratio	146.19	-	151.14
Down Capture Ratio	148.42	-	161.40

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.84	16.35	17.24
Price/Book Ratio	2.48	2.35	2.59
Avg Eff Duration	7.24	6.81	6.27

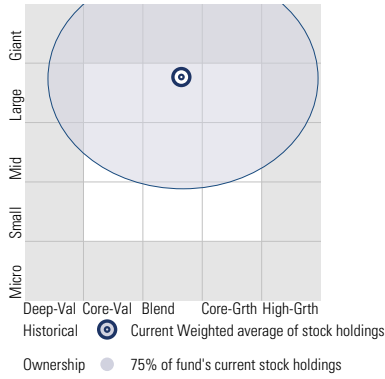
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

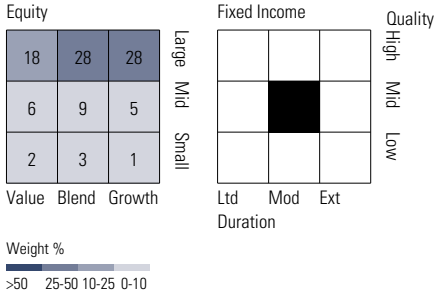
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 03-31-2022

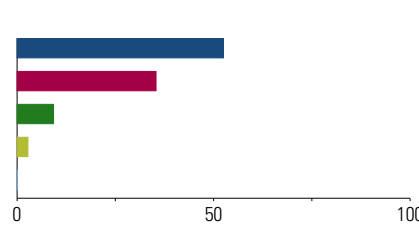
Morningstar Style Box™



## Style Breakdown

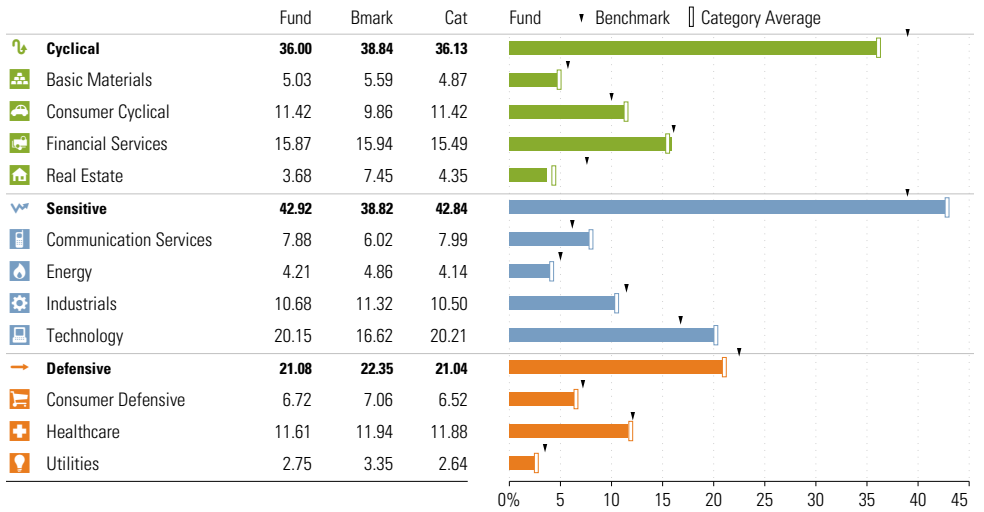


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	52.51	53.10
Non-US Stocks	35.35	32.58
Bonds	9.27	6.84
Cash	2.75	2.23
Other	0.11	5.25
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022



## Top 6 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.99	52.99	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	36.04	89.03	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.64	95.67	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.85	98.51	-	-
⊕ Mktliq 12/31/2049	-	1.48	99.99	-	-
⊖ Us Dollar	-	0.01	100.00	-	-

## 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  
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 9.11 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 Retirement category average.

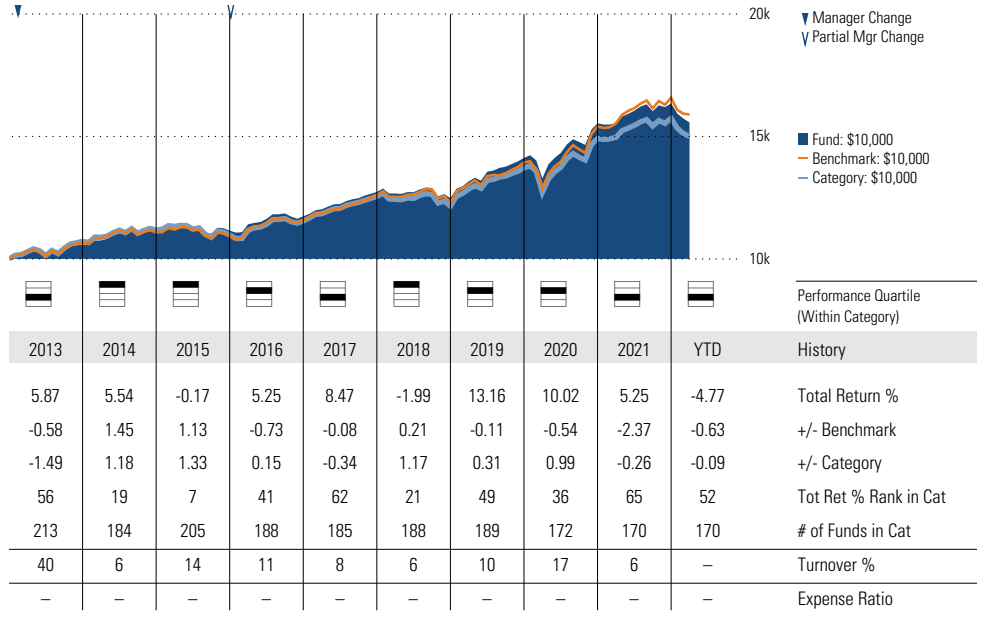
## Morningstar Investment Management LLC Analysis

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.

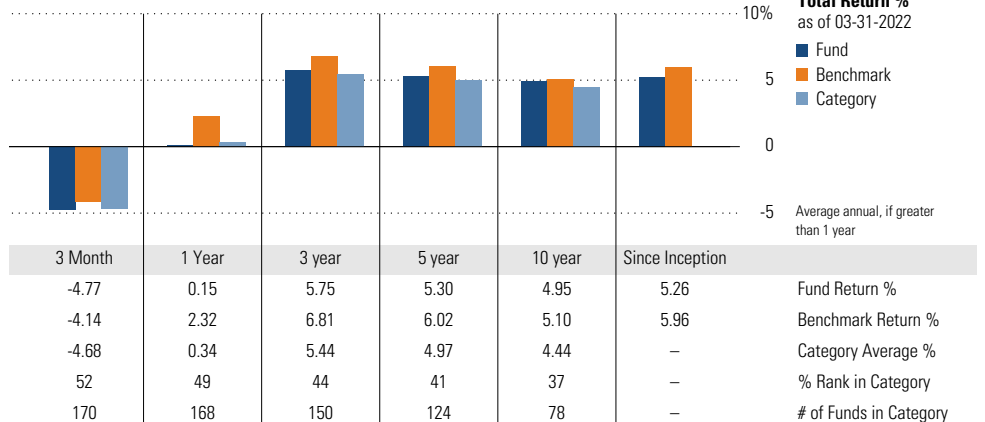
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

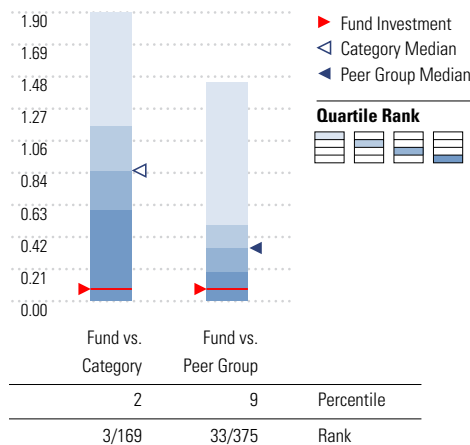
## Growth of \$10,000



## 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	0.02	-	-0.83
Beta	0.84	-	0.92
R-Squared	96.63	-	93.18
Standard Deviation	6.15	7.17	6.85
Sharpe Ratio	0.83	0.86	0.70
Tracking Error	1.60	-	2.18
Information Ratio	-0.66	-	-0.59
Up Capture Ratio	83.31	-	85.88
Down Capture Ratio	82.05	-	92.19

## Portfolio Metrics

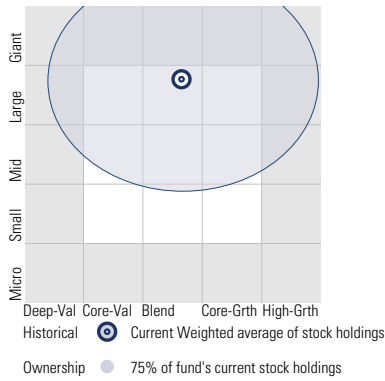
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.87	18.05	17.49
Price/Book Ratio	2.49	2.70	2.57
Avg Eff Duration	6.15	5.68	6.50

# Vanguard Target Retirement Income Fund VTINX

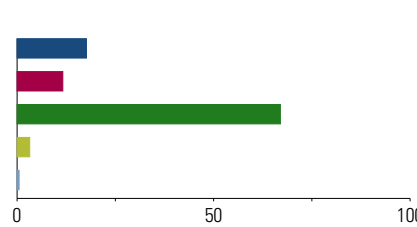
**Morningstar Category**  
Target-Date Retirement

**Morningstar Index**  
Morningstar Lifetime Mod Incm TR USD

**Style Analysis** as of 03-31-2022  
Morningstar Style Box™

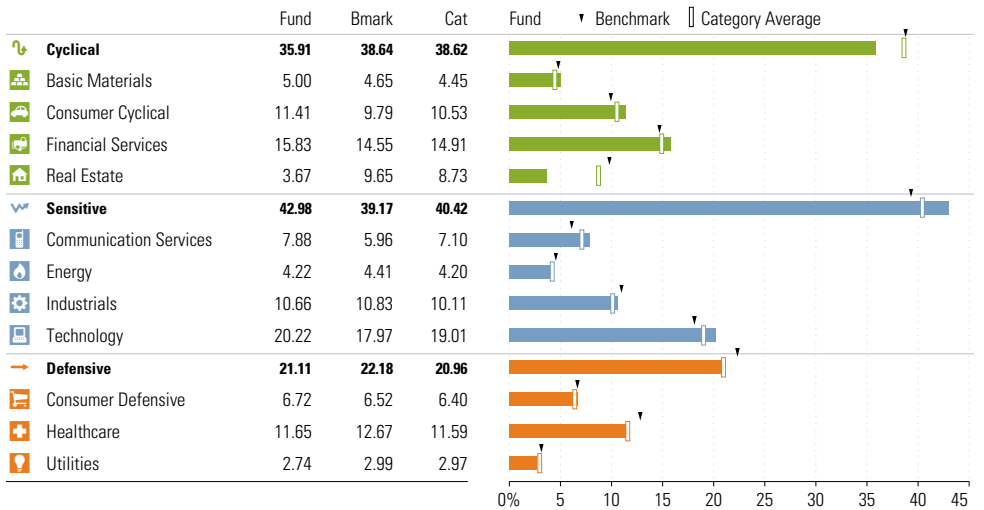


**Asset Allocation** as of 03-31-2022

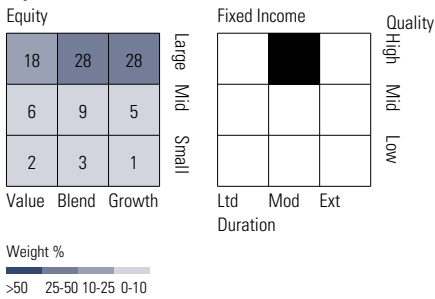


Asset Class	Net %	Cat%
US Stocks	17.65	18.44
Non-US Stocks	11.63	9.98
Bonds	66.99	52.27
Cash	3.21	5.53
Other	0.51	13.78
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 03-31-2022



**Style Breakdown**



**Top 7 Holdings** as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	—	36.26	36.26	—	—
⊖ Vanguard Total Stock Mkt Idx Instl Pls	—	17.81	54.07	—	—
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	16.85	70.92	—	—
⊖ Vanguard Total Intl Bd II Idx Instl	—	15.96	86.88	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	11.85	98.73	—	—
⊖ Mktliq 12/31/2049	—	1.28	100.02	—	—
⊕ Us Dollar	—	0.02	100.04	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Total Bond Market Index Adm VBTLX

**Morningstar Category**  
Intermediate Core Bond

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

## Portfolio Manager(s)

Joshua Barrickman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 9.11 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 91.53% lower than the Intermediate Core Bond category average.

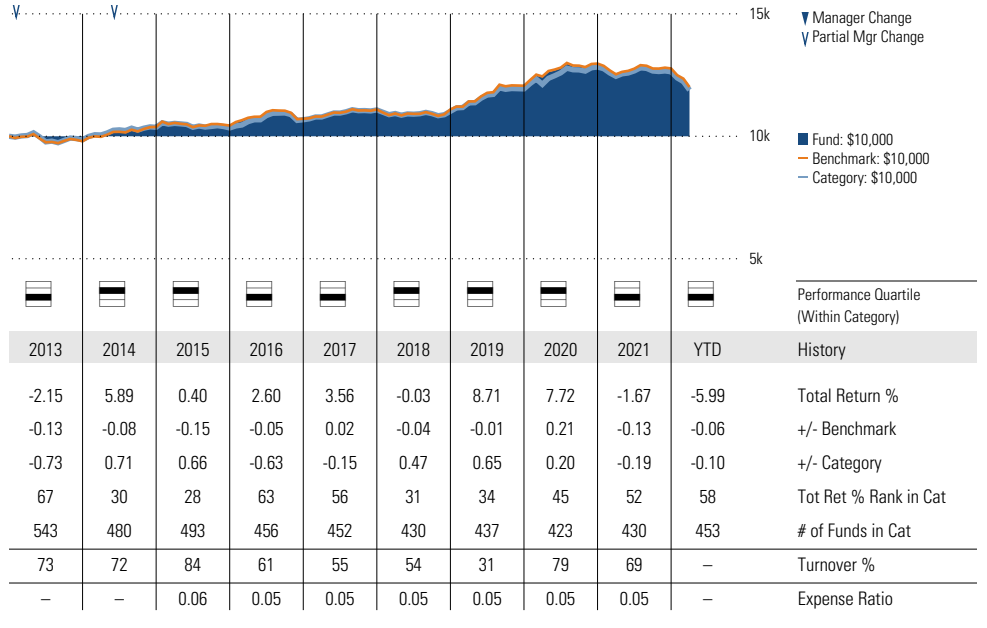
## Morningstar Investment Management LLC Analysis

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.

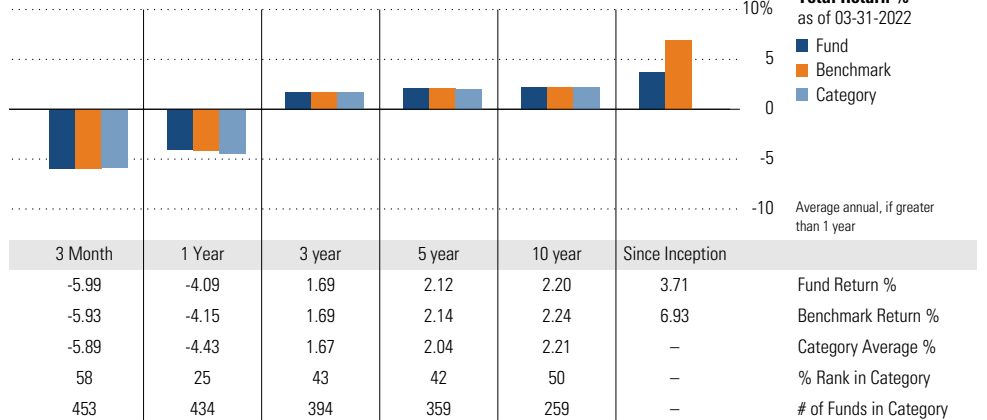
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

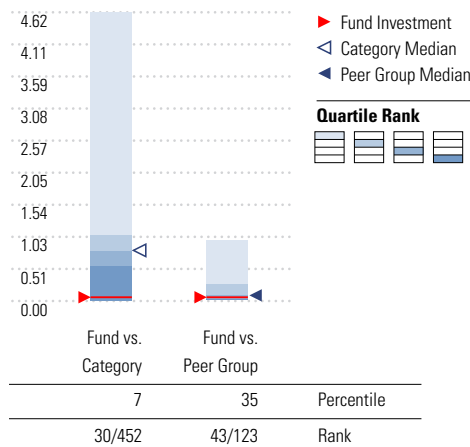
## Growth of \$10,000



## 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	-0.06	-	0.03
Beta	1.04	-	1.00
R-Squared	99.49	-	88.18
Standard Deviation	4.21	4.03	4.34
Sharpe Ratio	0.26	0.27	0.25
Tracking Error	0.34	-	1.45
Information Ratio	0.01	-	-0.09
Up Capture Ratio	104.58	-	104.64
Down Capture Ratio	106.15	-	105.88

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.83	4.43	6.40
Avg Eff Maturity	8.90	-	8.40

# Vanguard Total Bond Market Index Adm VBTX

**Morningstar Category**  
Intermediate Core Bond

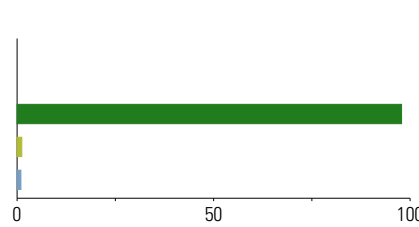
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

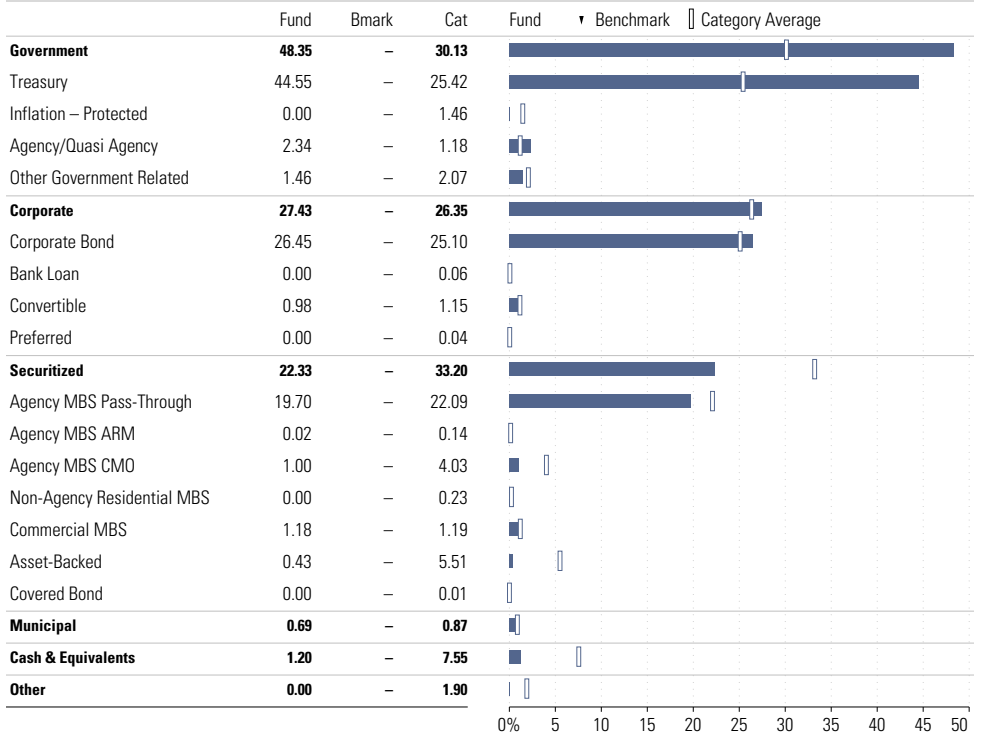


Asset Class	Net %	Cat%
US Stocks	0.00	0.27
Non-US Stocks	0.00	0.00
Bonds	97.83	93.20
Cash	1.20	4.16
Other	0.97	2.37
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	70.17	3.53	46.62
AA	3.07	74.59	12.57
A	11.85	10.82	23.27
BBB	14.92	8.32	15.40
BB	0.00	0.28	0.93
B	0.00	0.00	0.36
Below B	0.01	0.00	0.18
Not Rated	-0.02	2.46	0.68

## Sector Weighting as of 03-31-2022



## Top 10 Holdings as of 03-31-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ Mktliq 12/31/2049	-	1.10	1.10	-
United States Treasury Notes	-	0.70	1.79	-
⊕ United States Treasury Notes	-	0.59	2.39	-
⊕ United States Treasury Notes	-	0.57	2.95	-
United States Treasury Notes	-	0.53	3.48	-
United States Treasury Notes	-	0.53	4.01	-
⊕ United States Treasury Notes	-	0.47	4.48	-
⊕ United States Treasury Notes	-	0.44	4.93	-
United States Treasury Notes	-	0.44	5.37	-
United States Treasury Notes	-	0.41	5.78	-

**Total Holdings 17195**

⊕ Increase ⊖ Decrease ✱ New to Portfolio