

# American Funds Growth Fund of Amer R6 RGAGX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

- Donald O'Neal since 11-1993
- J. Frank since 11-2001
- Lawrence Solomon since 05-2010
- Martin Romo since 11-2010
- Carl Kawaja since 11-2010
- Mark Casey since 11-2012
- Alan Wilson since 11-2012
- Anne-Marie Peterson since 07-2013
- Christopher Buchbinder since 11-2013
- Joanna Jonsson since 03-2016
- Alex Popa since 10-2016
- Andraz Razen since 03-2020
- Julian Abdey since 11-2021

## Quantitative Screens

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

**Management:** The fund's management has been in place for 28.43 years.

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

**Net Expense:** The fund's expense ratio of 0.3 is 69.07% lower than the Large Growth category average.

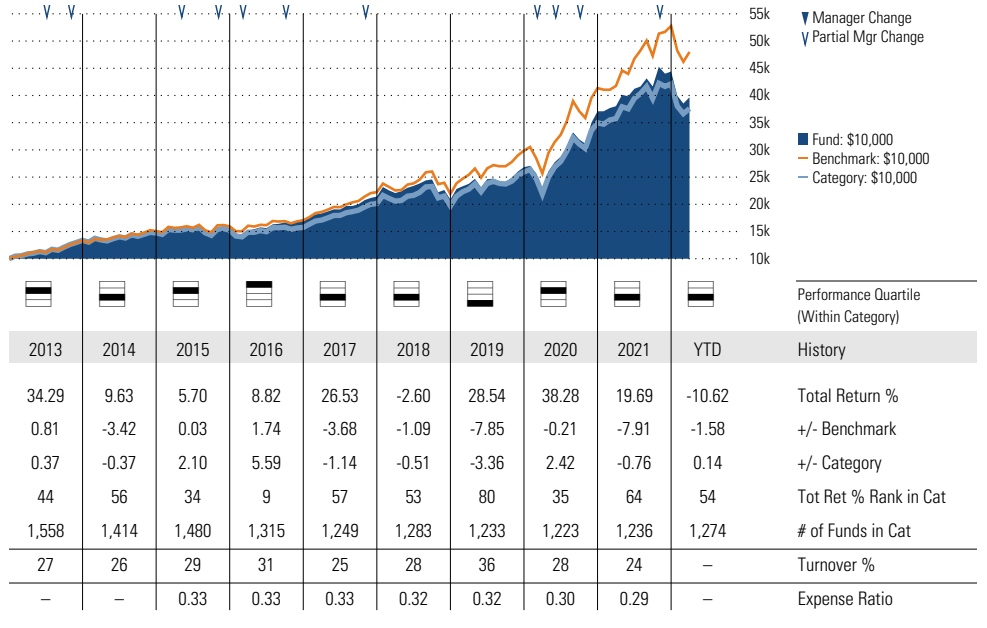
## Morningstar Investment Management LLC Analysis

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

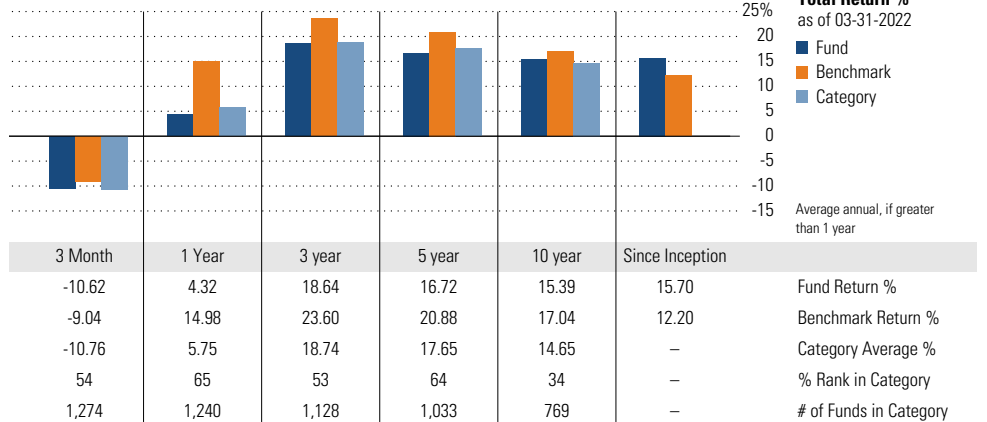
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	04-07-2022
Sustainability Rating	1	02-28-2022
Carbon Risk Score	Low Risk	12-31-2021

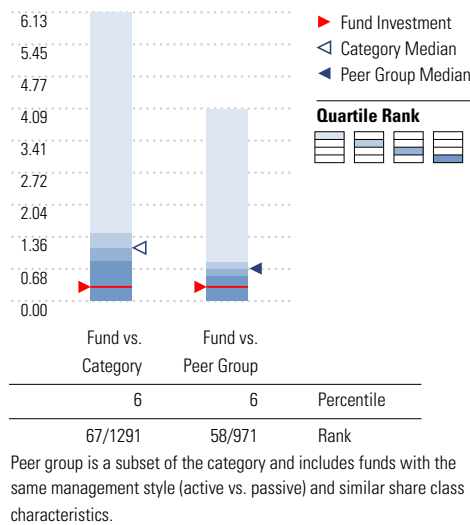
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-3.21	-	-3.25
Beta	0.96	-	0.97
R-Squared	94.44	-	91.38
Standard Deviation	19.16	19.47	19.83
Sharpe Ratio	0.95	1.15	0.94
Tracking Error	4.60	-	5.76
Information Ratio	-1.08	-	-0.96
Up Capture Ratio	85.15	-	87.74
Down Capture Ratio	91.27	-	96.18

## Portfolio Metrics

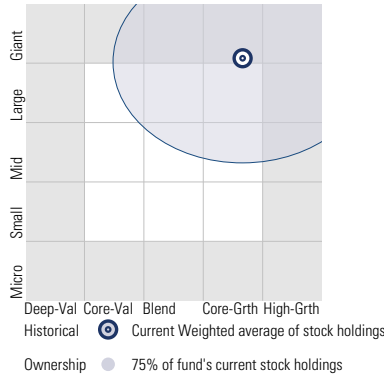
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	24.69	29.82	28.04
Price/Book Ratio	5.41	11.38	7.61
Geom Avg Mkt Cap \$B	174.21	342.57	345.47
ROE	24.57	42.99	36.86

# American Funds Growth Fund of Amer R6 RGAGX

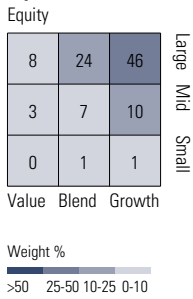
**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

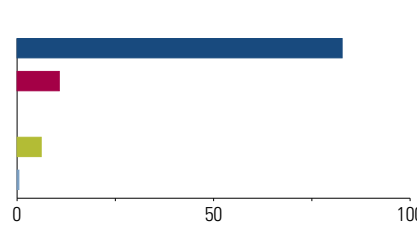
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

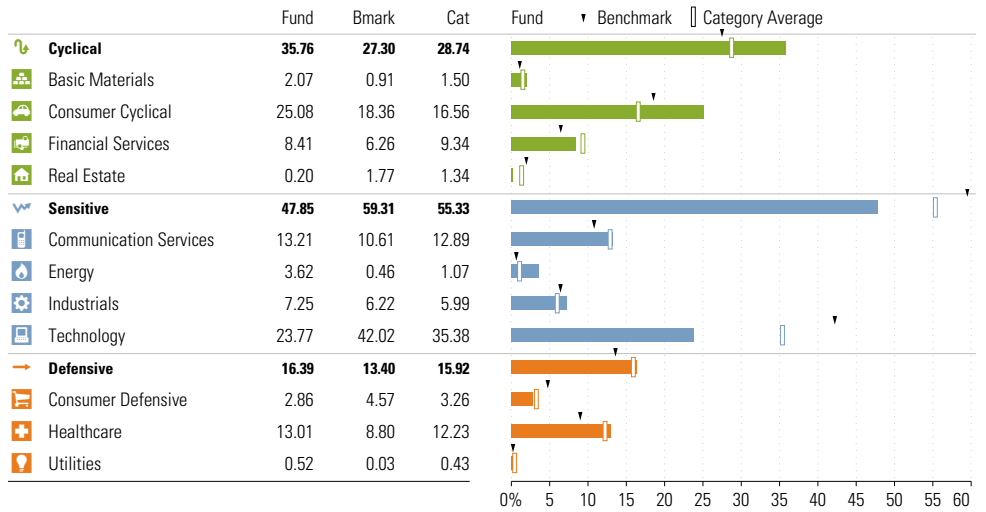


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	82.70	93.39
Non-US Stocks	10.73	4.45
Bonds	0.00	-0.01
Cash	6.13	1.64
Other	0.45	0.54
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

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



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Tesla Inc	8.51	8.51	1.97	Consumer Cyclical
⊕ Capital Group Central Cash Fund	6.09	14.59	-	-
⊖ Microsoft Corp	5.84	20.43	-8.14	Technology
⊖ Amazon.com Inc	4.82	25.25	-2.23	Consumer Cyclical
⊕ Meta Platforms Inc Class A	3.07	28.31	-33.89	Communication Svc
⊕ UnitedHealth Group Inc	2.87	31.19	1.85	Healthcare
⊖ Alphabet Inc Class C	2.81	33.99	-3.48	Communication Svc
⊖ Alphabet Inc Class A	2.04	36.04	-3.99	Communication Svc
⊖ Broadcom Inc	2.00	38.03	-4.75	Technology
⊖ Netflix Inc	1.90	39.93	-37.82	Communication Svc
⊕ Mastercard Inc Class A	1.19	41.13	-0.40	Financial Services
⊖ Thermo Fisher Scientific Inc	1.16	42.29	-11.43	Healthcare
⊕ Carrier Global Corp Ordinary Shares	0.93	43.23	-15.43	Industrials
⊕ Applied Materials Inc	0.87	44.09	-16.09	Technology
⊖ Taiwan Semiconductor Manufacturing Co Ltd	0.86	44.95	-2.48	Technology

**Total Holdings 398**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# DFA International Value I DFIVX

**Morningstar Category**  
Foreign Large Value

**Morningstar Index**  
MSCI EAFE NR USD

## Portfolio Manager(s)

Jed Fogdall since 02-2010  
Bhanu Singh since 07-2015  
Arun Keswani since 02-2020  
Joel Schneider since 02-2022

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 12.09 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.29 is 70.71% lower than the Foreign Large Value category average.

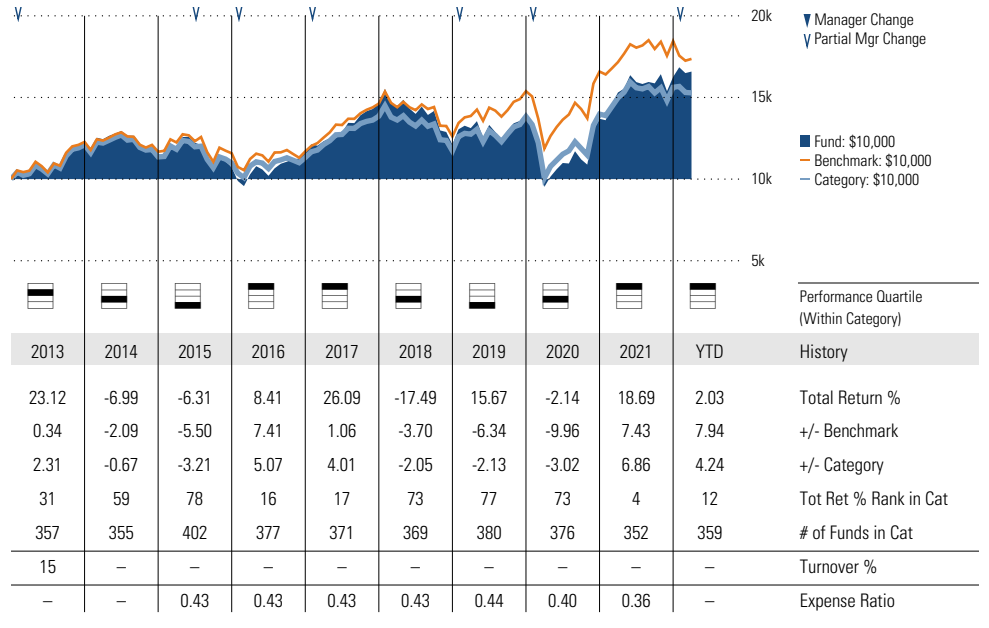
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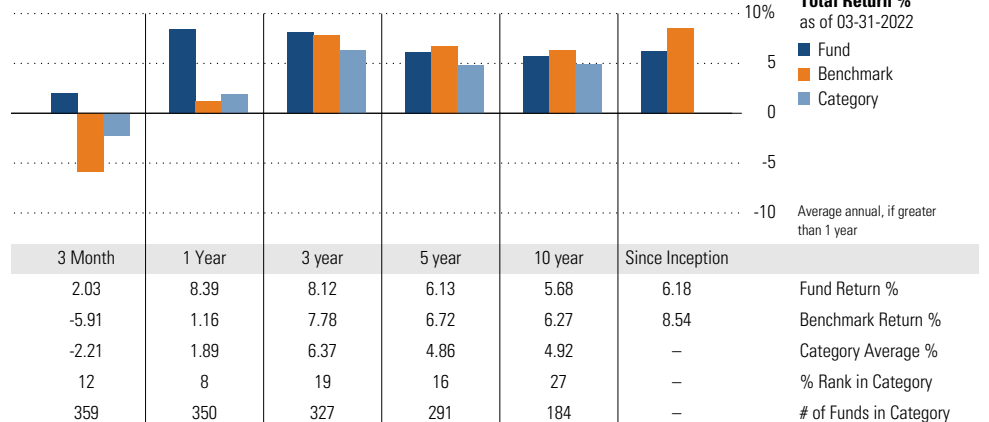
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	1	02-28-2022
Carbon Risk Score	Medium Risk	12-31-2021

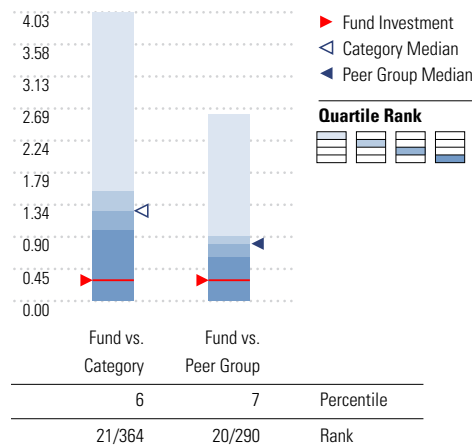
## Growth of \$10,000



## 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	-0.49	-	-1.53
Beta	1.21	-	1.08
R-Squared	85.75	-	89.57
Standard Deviation	22.55	17.23	19.73
Sharpe Ratio	0.43	0.48	0.39
Tracking Error	9.26	-	6.79
Information Ratio	0.04	-	-0.22
Up Capture Ratio	116.39	-	103.11
Down Capture Ratio	120.15	-	110.65

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	9.64	14.30	10.50
Price/Book Ratio	0.99	1.73	1.25
Geom Avg Mkt Cap \$B	35.74	47.32	36.03
ROE	11.62	18.89	15.85

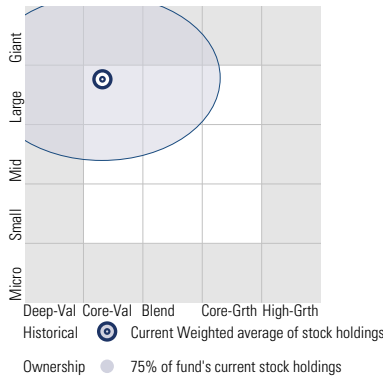
# DFA International Value I DFIVX

**Morningstar Category**  
Foreign Large Value

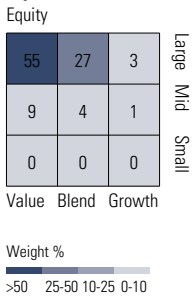
**Morningstar Index**  
MSCI EAFE NR USD

## Style Analysis as of 03-31-2022

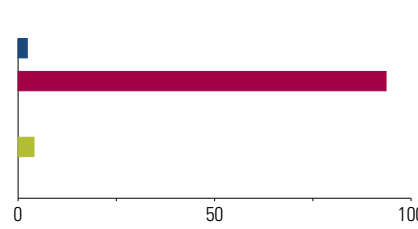
Morningstar Style Box™



## Style Breakdown

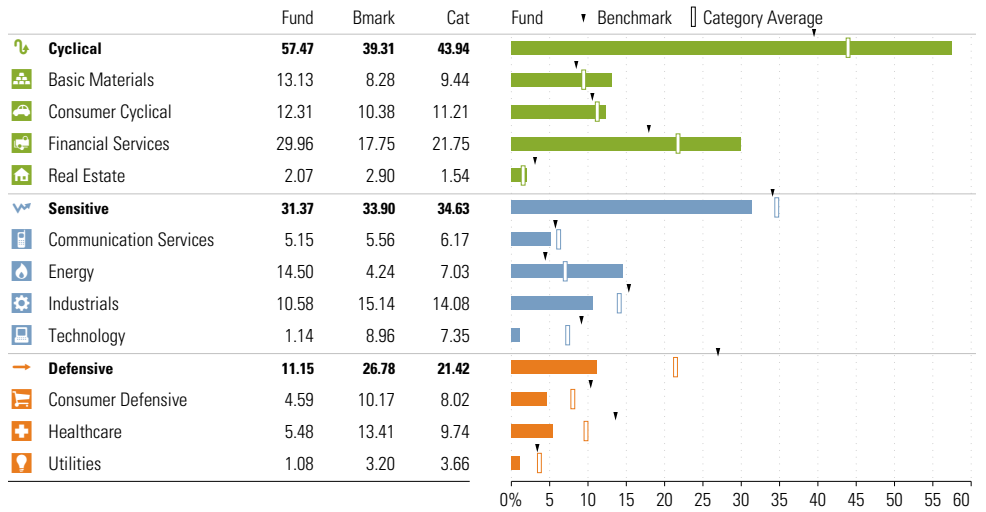


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	2.33	2.88
Non-US Stocks	93.62	95.21
Bonds	0.00	-0.01
Cash	4.05	1.85
Other	0.00	0.08
<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	29.45	30.35	Americas	12.27	8.94	Greater Europe	58.26	60.70	Developed Markets	99.60
Japan	20.31	16.92	North America	12.11	7.66	United Kingdom	15.21	18.38	Emerging Markets	0.40
Australasia	6.58	3.21	Central/Latin	0.16	1.28	W euro-ex UK	42.62	41.37	Not Available	0.00
Asia-4 Tigers	2.32	7.34				Emrgng Europe	0.00	0.33		
Asia-ex 4 Tigers	0.24	2.88				Africa	0.43	0.62		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Shell PLC ADR (Representing - Ordinary Shares)	3.58	3.58	26.57	Energy
⊕ DFA Short Term Investment	3.40	6.99	-	-
⊕ TotalEnergies SE	2.77	9.76	6.09	Energy
⊖ Toyota Motor Corp	1.82	11.58	6.47	Consumer Cyclical
⊕ Canadian Natural Resources Ltd	1.76	13.34	46.23	Energy
⊕ Mercedes-Benz Group AG	1.60	14.94	-5.59	Consumer Cyclical
⊕ BP PLC ADR	1.43	16.37	11.61	Energy
⊕ Bank of Montreal	1.31	17.68	8.99	Financial Services
⊕ Bank of Nova Scotia	1.26	18.94	0.06	Financial Services
⊕ Zurich Insurance Group AG	1.26	20.20	14.09	Financial Services

**Total Holdings 521**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# DFA US Core Equity 1 I DFEQX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.09 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.14 is 82.5% lower than the Large Blend category average.

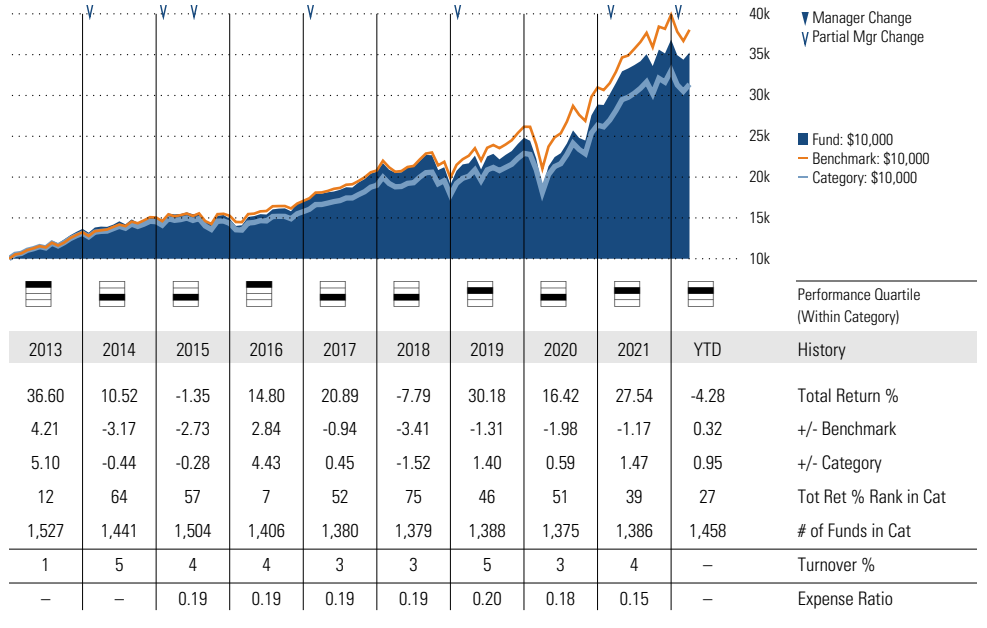
## Morningstar Investment Management LLC Analysis

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## ESG Metrics

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

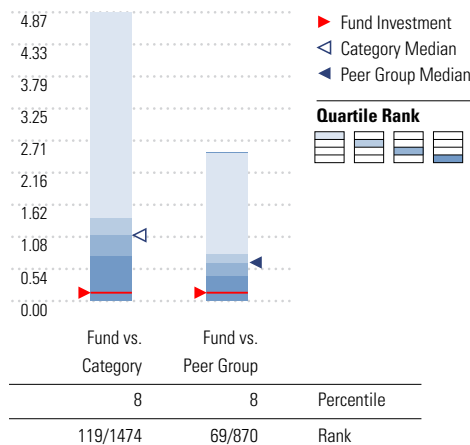
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	-2.26	-	-1.71
Beta	1.08	-	0.97
R-Squared	97.08	-	94.89
Standard Deviation	19.38	17.76	17.68
Sharpe Ratio	0.90	1.03	0.90
Tracking Error	3.57	-	3.80
Information Ratio	-0.37	-	-1.26
Up Capture Ratio	101.51	-	93.27
Down Capture Ratio	109.33	-	99.84

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.86	21.92	22.24
Price/Book Ratio	3.28	4.23	4.92
Geom Avg Mkt Cap \$B	71.05	218.88	246.43
ROE	29.94	33.46	34.56

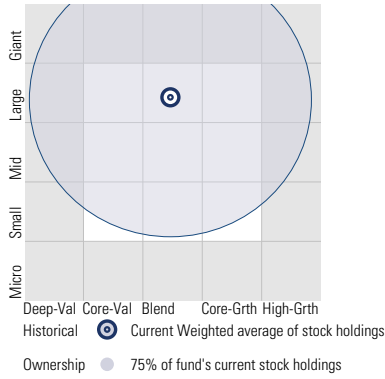
# DFA US Core Equity 1 I DFEQX

**Morningstar Category**  
Large Blend

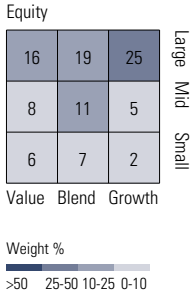
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 03-31-2022

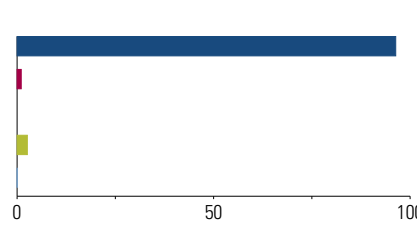
Morningstar Style Box™



## Style Breakdown

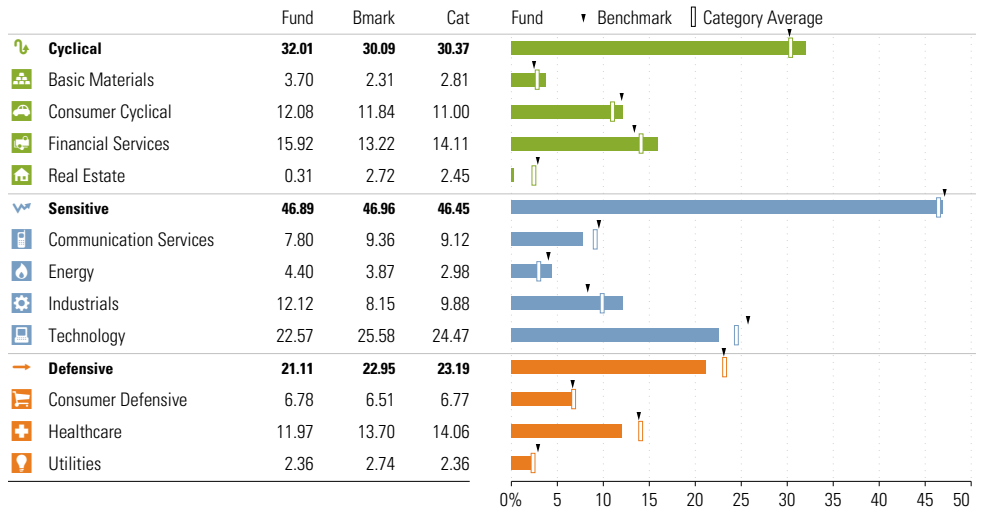


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	96.34	94.72
Non-US Stocks	1.05	2.94
Bonds	0.00	0.94
Cash	2.60	0.37
Other	0.01	1.03
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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	4.97	4.97	-1.54	Technology
Microsoft Corp	3.83	8.80	-8.14	Technology
Amazon.com Inc	2.47	11.27	-2.23	Consumer Cyclical
DFA Short Term Investment	1.68	12.95	-	-
Alphabet Inc Class A	1.34	14.29	-3.99	Communication Svc
Alphabet Inc Class C	1.20	15.49	-3.48	Communication Svc
JPMorgan Chase & Co	0.96	16.45	-13.28	Financial Services
Johnson & Johnson	0.96	17.41	4.22	Healthcare
Berkshire Hathaway Inc Class B	0.95	18.36	18.03	Financial Services
Meta Platforms Inc Class A	0.87	19.23	-33.89	Communication Svc
NVIDIA Corp	0.86	20.08	-7.21	Technology
S+p500 Emini Fut Mar22 Xcme 20220318	0.82	20.91	-	-
UnitedHealth Group Inc	0.82	21.73	1.85	Healthcare
Ssc Government Mm Gvmxx	0.82	22.55	-	-
Procter & Gamble Co	0.76	23.31	-6.06	Consumer Defensive

**Total Holdings 2470**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# DFA US Large Cap Value I DFLVX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.09 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.22 is 76.09% lower than the Large Value category average.

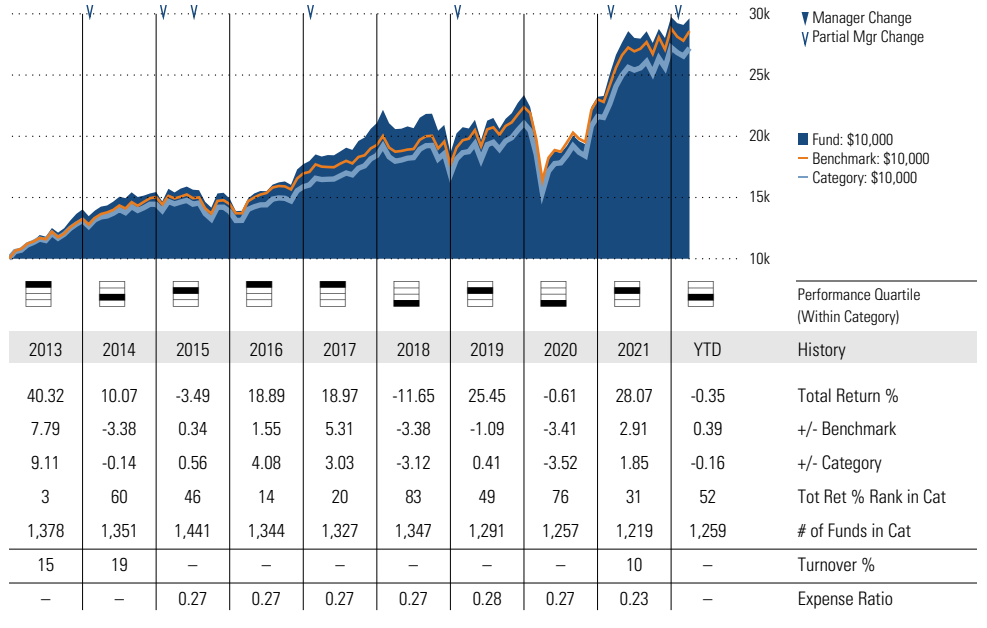
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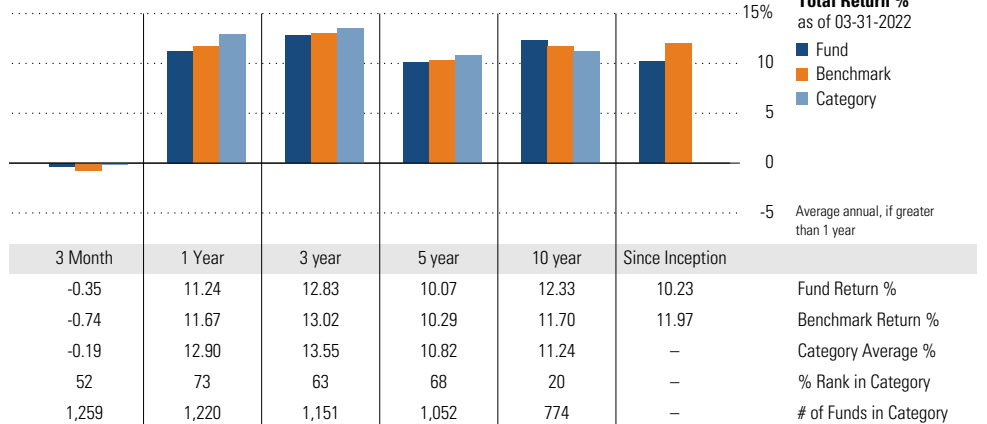
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
Carbon Risk Score	Medium Risk	12-31-2021

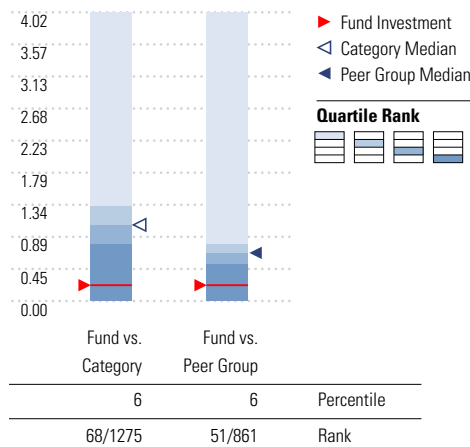
## Growth of \$10,000



## 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	-1.43	-	0.68
Beta	1.13	-	0.98
R-Squared	98.38	-	95.07
Standard Deviation	21.73	19.12	19.30
Sharpe Ratio	0.63	0.70	0.72
Tracking Error	3.69	-	4.52
Information Ratio	-0.05	-	0.09
Up Capture Ratio	106.58	-	98.97
Down Capture Ratio	111.14	-	96.41

## Portfolio Metrics

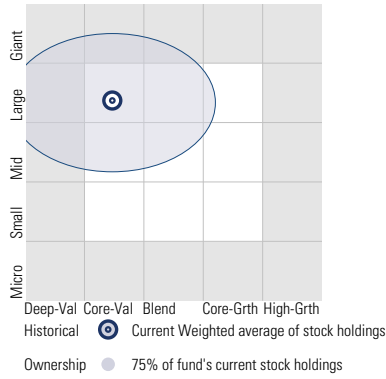
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.94	16.61	15.72
Price/Book Ratio	2.04	2.47	2.64
Geom Avg Mkt Cap \$B	65.41	78.38	111.81
ROE	17.76	19.23	23.24

# DFA US Large Cap Value I DFLVX

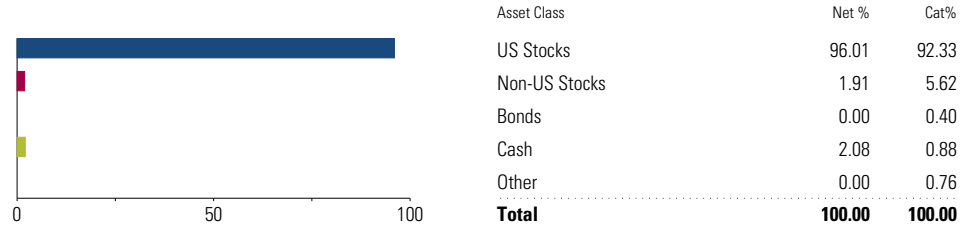
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Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

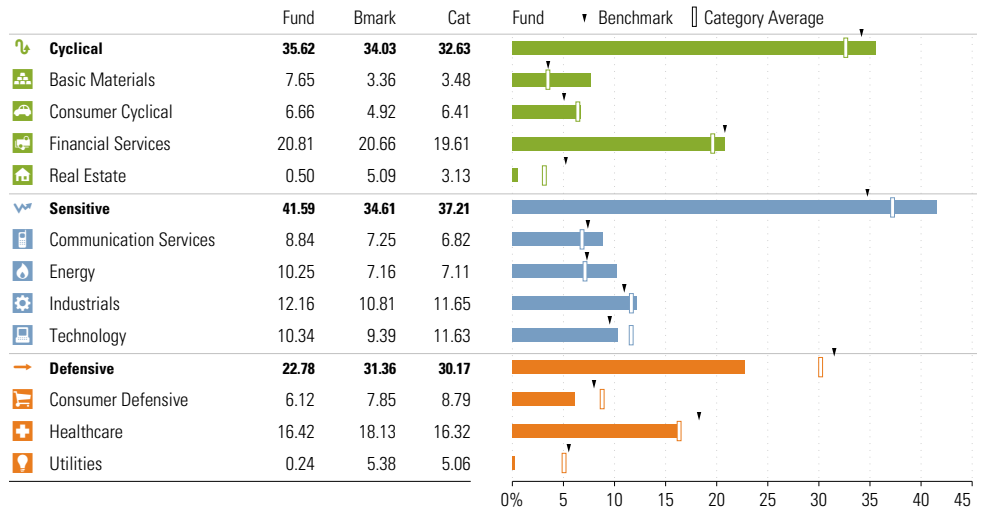
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



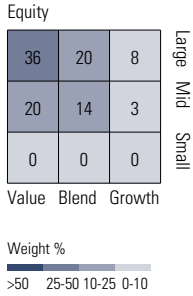
**Asset Allocation** as of 03-31-2022



**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
⊖ Pfizer Inc	2.70	2.70	-11.65	Healthcare
⊕ JPMorgan Chase & Co	2.44	5.15	-13.28	Financial Services
⊕ Comcast Corp Class A	2.17	7.32	-6.48	Communication Svc
⊕ Intel Corp	2.03	9.35	-3.06	Technology
⊕ Berkshire Hathaway Inc Class B	2.02	11.37	18.03	Financial Services
⊕ Exxon Mobil Corp	1.85	13.23	36.41	Energy
⊕ AT&T Inc	1.74	14.96	-1.83	Communication Svc
⊕ ConocoPhillips	1.68	16.64	39.60	Energy
⊕ Walmart Inc	1.63	18.27	3.31	Consumer Defensive
⊕ Chevron Corp	1.56	19.83	39.97	Energy
⊕ CVS Health Corp	1.51	21.34	-1.36	Healthcare
⊕ Thermo Fisher Scientific Inc	1.39	22.74	-11.43	Healthcare
⊕ Verizon Communications Inc	1.31	24.05	-0.73	Communication Svc
⊕ Bank of America Corp	1.26	25.31	-6.88	Financial Services
⊕ DFA Short Term Investment	1.25	26.56	-	-

**Total Holdings 374**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort Bond category's top three quartiles in 4 of the 5 years it's been in existence.

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

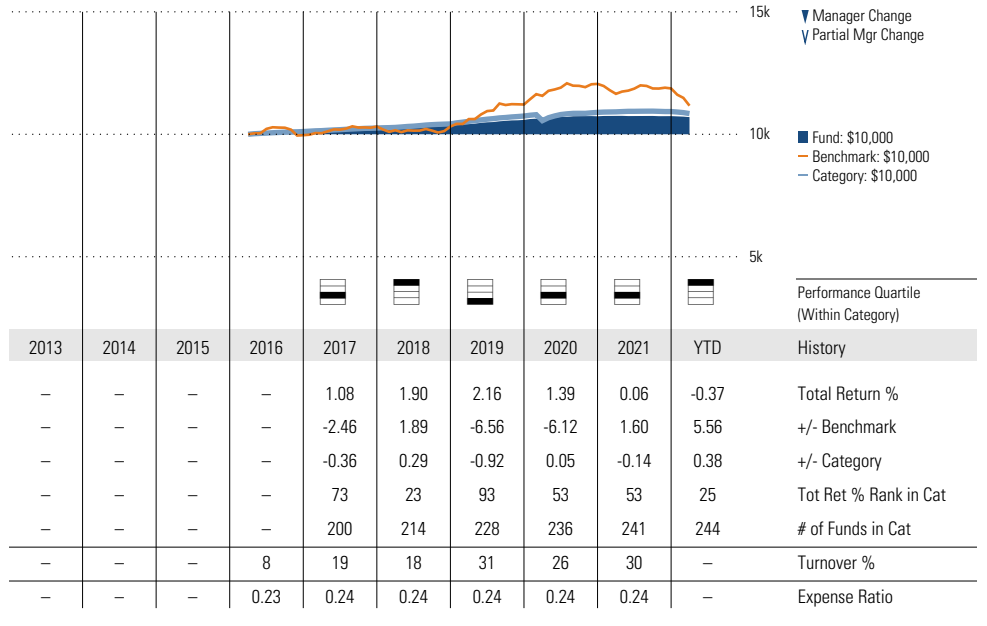
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 48.94% lower than the Ultrashort Bond category average.

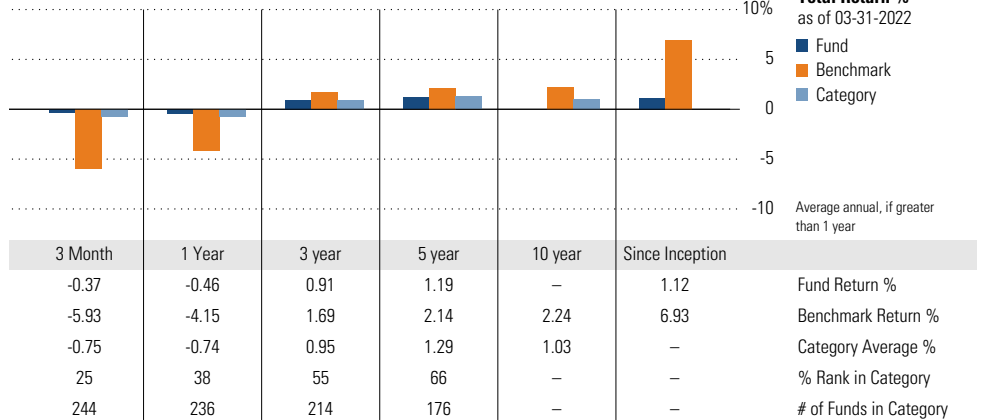
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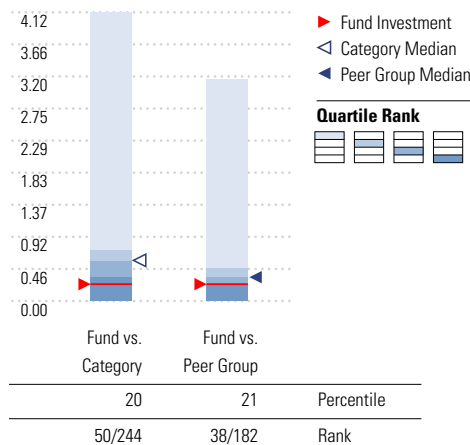
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.76	-	0.63
Beta	0.08	-	0.17
R-Squared	35.54	-	19.54
Standard Deviation	0.57	4.03	1.85
Sharpe Ratio	0.46	0.27	0.16
Tracking Error	3.72	-	3.91
Information Ratio	-0.21	-	-0.21
Up Capture Ratio	14.39	-	26.76
Down Capture Ratio	-0.46	-	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 R6 FGULX

**Morningstar Category**  
Ultrashort Bond

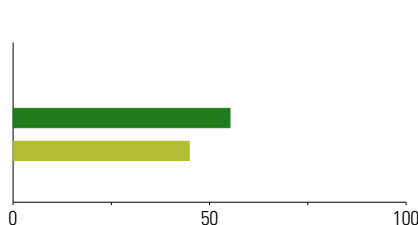
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

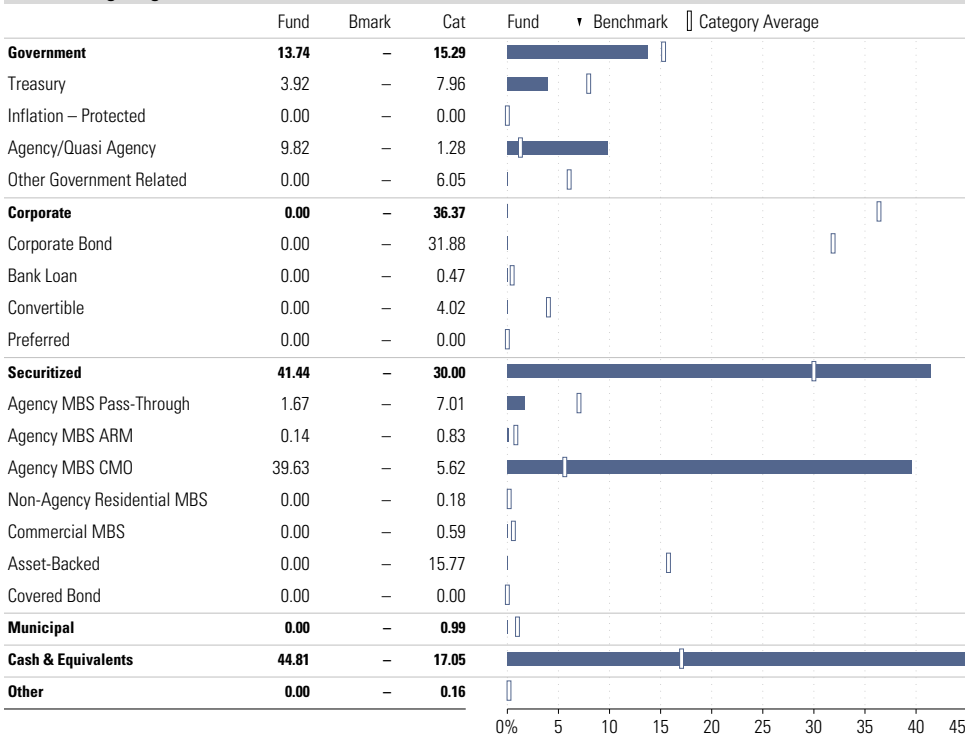


Asset Class	Net %	Cat%
US Stocks	0.00	0.01
Non-US Stocks	0.00	0.00
Bonds	55.19	79.43
Cash	44.81	16.29
Other	0.00	4.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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

# Loomis Sayles Core Plus Bond N NERNX

**Morningstar Category** Intermediate Core-Plus Bond  
**Morningstar Index** BBgBarc US Agg Bond TR USD

## Portfolio Manager(s)

Peter Palfrey since 12-1996  
 Richard Raczkowski since 05-1999  
 Ian Anderson since 02-2020  
 Barath Sankaran since 02-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core-Plus Bond category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 25.26 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 49.33% lower than the Intermediate Core-Plus Bond category average.

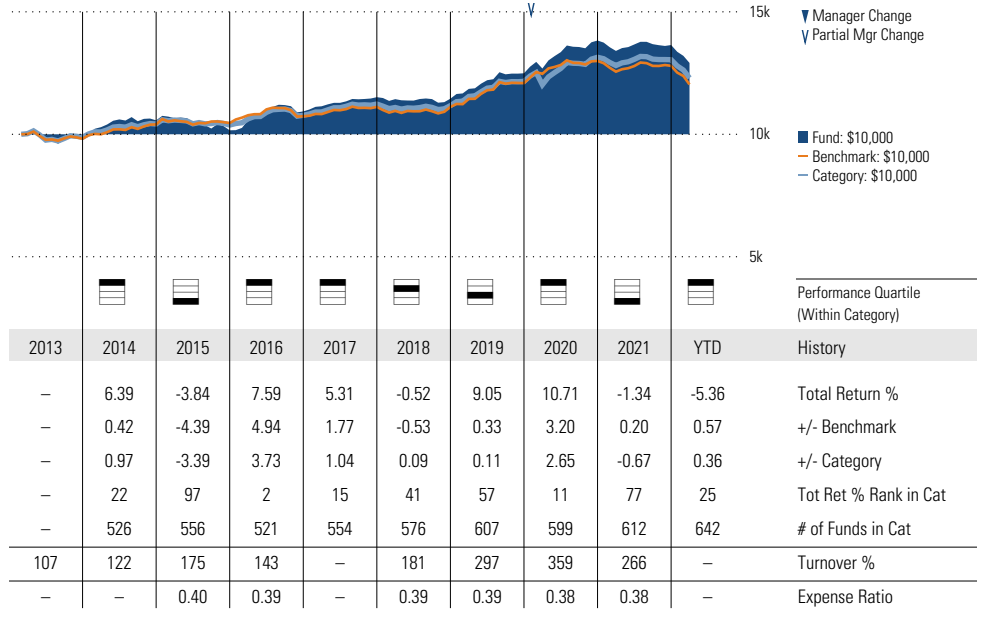
## Morningstar Investment Management LLC Analysis

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.

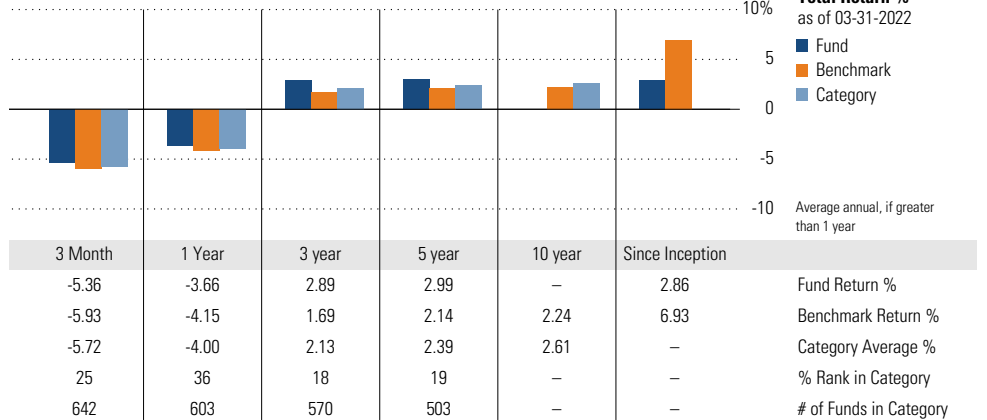
## ESG Metrics

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

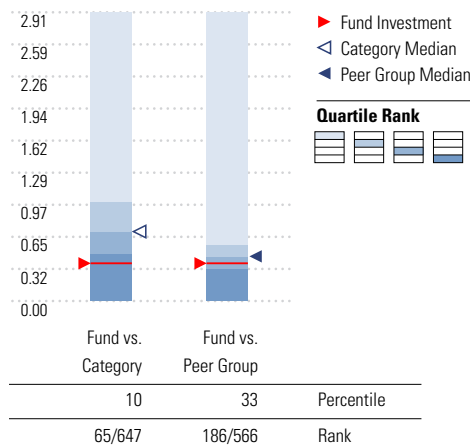
## Growth of \$10,000



## 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	1.19	-	0.56
Beta	1.00	-	1.01
R-Squared	87.73	-	67.97
Standard Deviation	4.30	4.03	5.13
Sharpe Ratio	0.54	0.27	0.33
Tracking Error	1.51	-	2.95
Information Ratio	0.80	-	0.21
Up Capture Ratio	116.07	-	116.32
Down Capture Ratio	95.67	-	110.33

## Portfolio Metrics

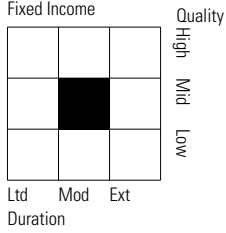
Metric	Fund	Bmark	Cat
Avg Eff Duration	5.93	4.43	6.21
Avg Eff Maturity	8.50	-	8.73

# Loomis Sayles Core Plus Bond N NERNX

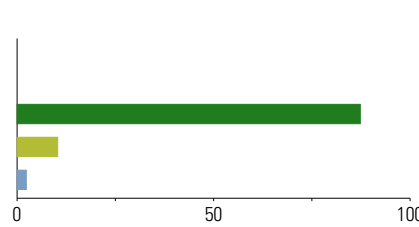
**Morningstar Category** Intermediate Core-Plus Bond  
**Morningstar Index** BBgBarc US Agg Bond TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

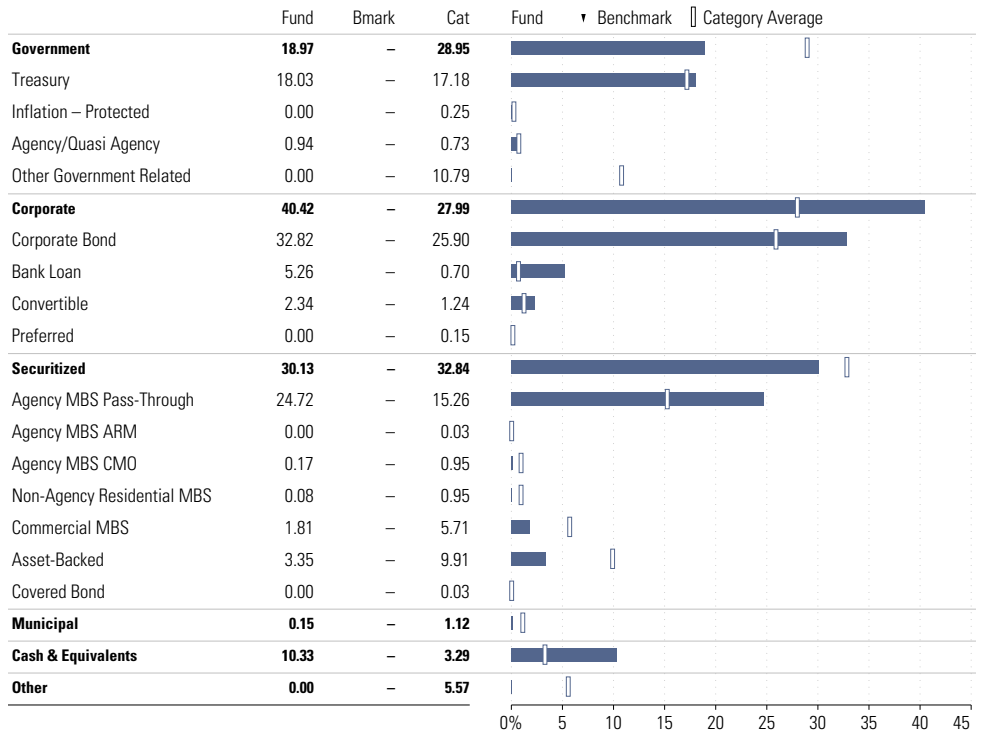


Asset Class	Net %	Cat%
US Stocks	0.00	0.08
Non-US Stocks	0.00	0.00
Bonds	87.32	103.09
Cash	10.33	-5.11
Other	2.34	1.93
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	48.60	3.53	50.62
AA	2.61	74.59	4.02
A	7.94	10.82	10.81
BBB	25.01	8.32	19.90
BB	14.04	0.28	6.60
B	1.74	0.00	2.88
Below B	0.06	0.00	1.31
Not Rated	0.00	2.46	3.86

## Sector Weighting as of 03-31-2022



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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Fixed Inc Clearing Corp.Repo	03-2022	7.12	7.12	-
⊕ United States Treasury Bonds 2%	11-2041	2.90	10.02	-
⊕ United States Treasury Bonds 1.875%	11-2051	2.07	12.08	-
⊕ Federal National Mortgage Association 2.5%	04-2052	2.04	14.13	-
⊕ United States Treasury Bills 0.01%	01-2023	1.92	16.04	-
⊕ United States Treasury Notes 1.875%	02-2029	1.88	17.93	-
Mexico (United Mexican States) 8.5%	05-2029	1.57	19.49	-
United States Treasury Bonds 1.75%	08-2041	1.48	20.97	-
⊖ Federal National Mortgage Association 2.5%	11-2051	1.32	22.29	-
⊕ United States Treasury Notes 1.875%	02-2027	1.25	23.54	-

**Total Holdings 783**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# MFS Intl International Equity MIEIX

**Morningstar Category**  
Foreign Large Blend

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

## Portfolio Manager(s)

Daniel Ling since 10-2009  
Filipe Benzinho since 05-2016

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 12.5 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 77.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 25.81% lower than the Foreign Large Blend category average.

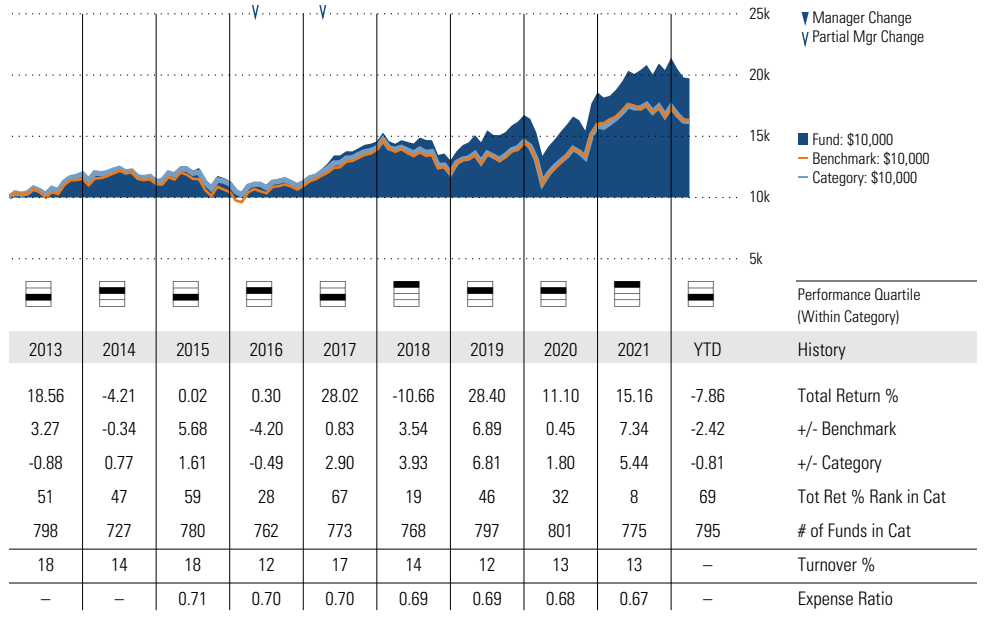
## Morningstar Investment Management LLC Analysis

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.

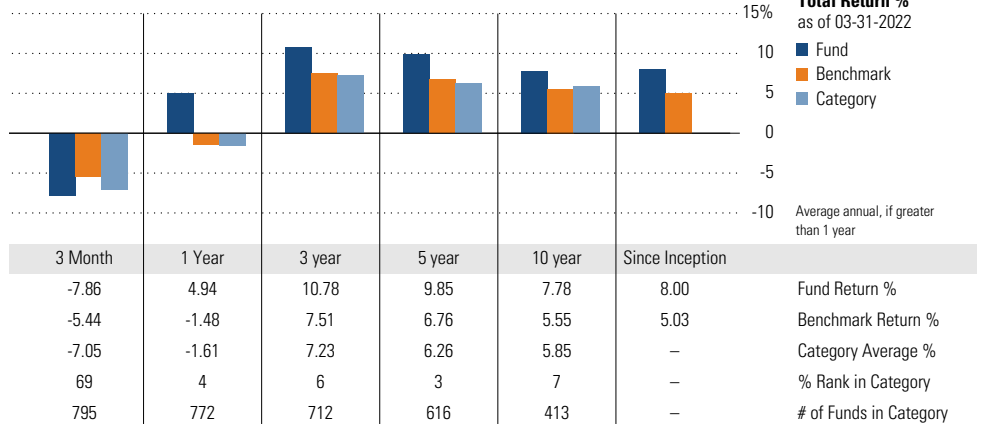
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	02-28-2022
ESG Commitment	2-Basic	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

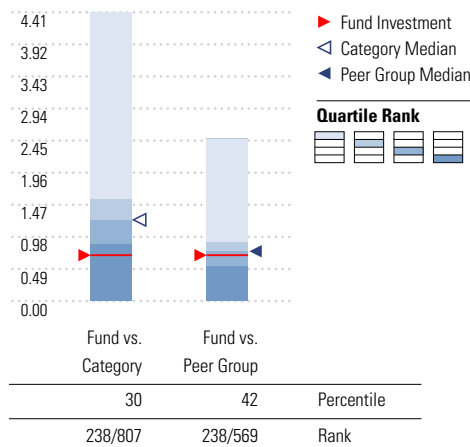
## Growth of \$10,000



## 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	3.49	-	0.12
Beta	0.94	-	1.00
R-Squared	91.45	-	93.68
Standard Deviation	16.52	16.88	17.51
Sharpe Ratio	0.66	0.47	0.47
Tracking Error	4.95	-	4.46
Information Ratio	0.66	-	0.03
Up Capture Ratio	102.25	-	100.75
Down Capture Ratio	87.53	-	100.82

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.99	13.81	14.09
Price/Book Ratio	2.70	1.78	1.79
Geom Avg Mkt Cap \$B	67.13	45.25	51.25
ROE	19.94	18.45	19.89

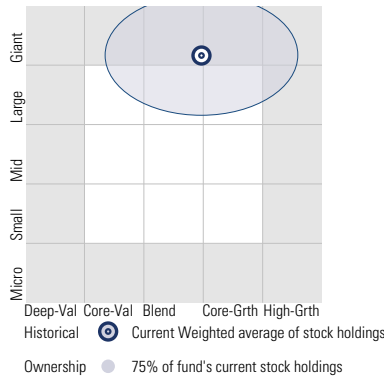
# MFS Instl International Equity MIEIX

**Morningstar Category**  
Foreign Large Blend

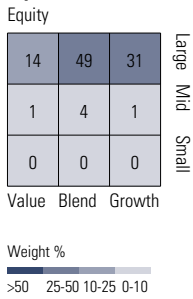
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 03-31-2022

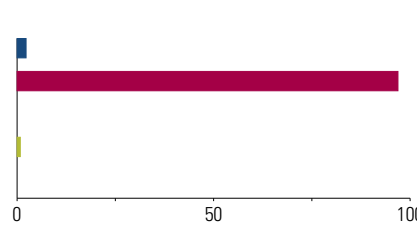
Morningstar Style Box™



## Style Breakdown

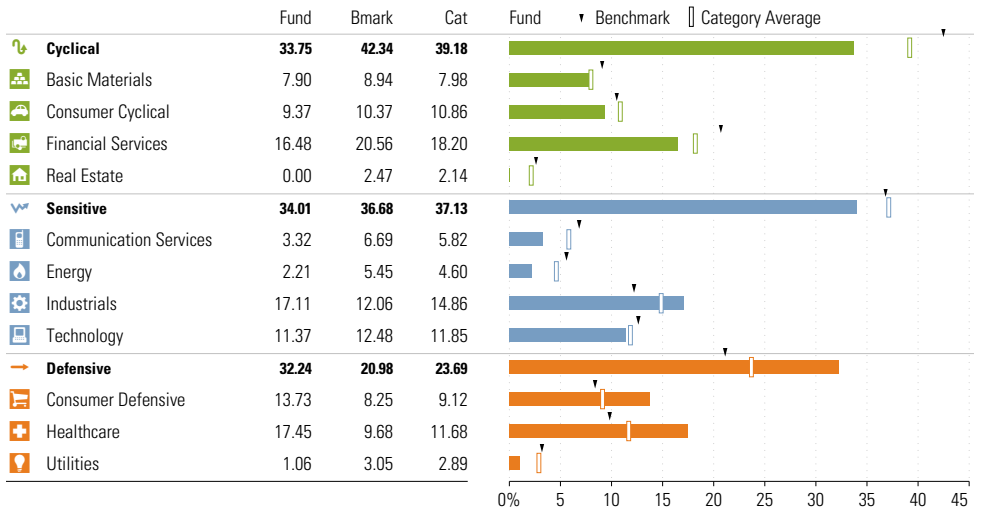


## Asset Allocation as of 03-31-2022

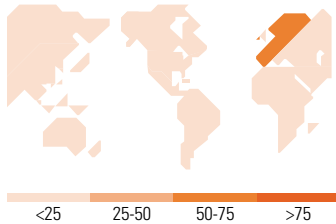


Asset Class	Net %	Cat%
US Stocks	2.28	3.24
Non-US Stocks	96.91	94.72
Bonds	0.00	0.04
Cash	0.81	1.42
Other	0.00	0.61
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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	24.05	35.41	Americas	7.15	8.71	Greater Europe	68.80	55.90	Developed Markets	95.23
Japan	14.20	18.15	North America	7.15	7.56	United Kingdom	10.95	13.12	Emerging Markets	4.77
Australasia	0.00	5.00	Central/Latin	0.00	1.15	W euro-ex UK	56.55	41.43	Not Available	0.00
Asia-4 Tigers	5.08	7.10				Emrgng Europe	0.00	0.28		
Asia-ex 4 Tigers	4.77	5.16				Africa	1.30	1.07		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Nestle SA	4.00	4.00	-5.68	Consumer Defensive
Roche Holding AG	3.32	7.33	-1.74	Healthcare
Schneider Electric SE	3.20	10.53	-11.77	Industrials
Air Liquide SA	2.85	13.37	3.65	Basic Materials
Capgemini SE	2.37	15.75	-6.03	Technology
LVMH Moet Hennessy Louis Vuitton SE	2.34	18.09	-10.67	Consumer Cyclical
Novo Nordisk A/S Class B	2.30	20.39	2.58	Healthcare
AIA Group Ltd	2.20	22.59	4.90	Financial Services
UBS Group AG	2.16	24.75	10.51	Financial Services
Canadian National Railway Co	2.14	26.88	8.40	Industrials

**Total Holdings 83**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# PIMCO Commodity Real Ret Strat Instl PCRIX

**Morningstar Category**  
Commodities Broad Basket

**Morningstar Index**  
Bloomberg Commodity TR USD

## Portfolio Manager(s)

Greg Sharenow since 11-2018  
Stephen Rodosky since 01-2019  
Andrew Dewitt since 02-2022

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 3.41 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.82 is 21.9% lower than the Commodities Broad Basket category average.

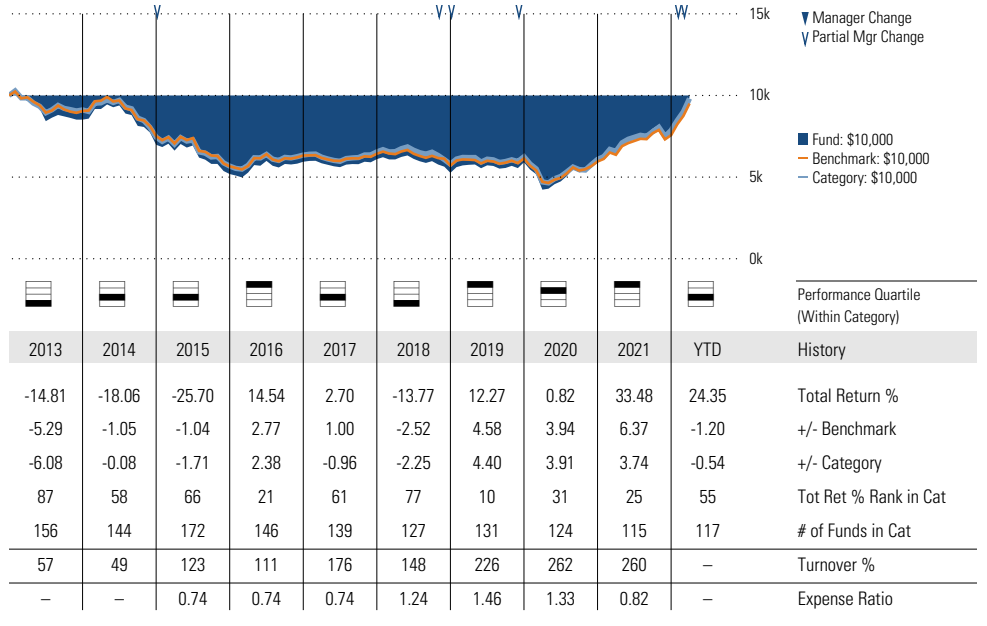
## Morningstar Investment Management LLC Analysis

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.

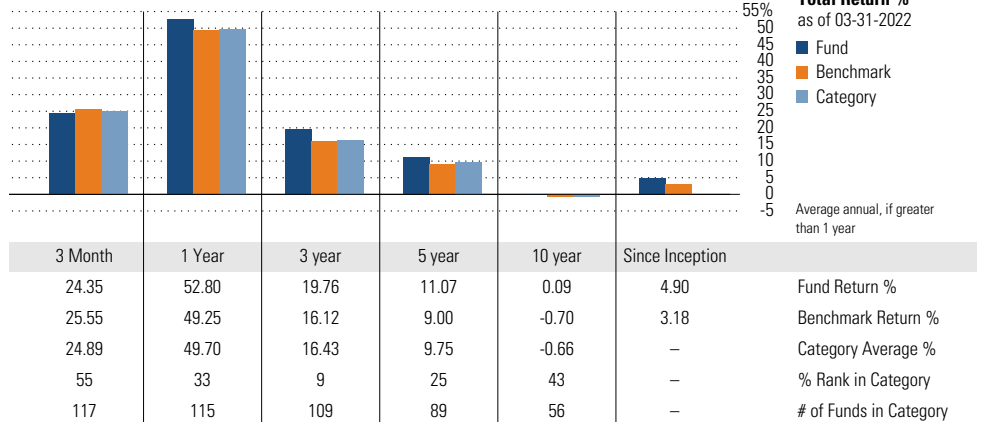
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	02-28-2022

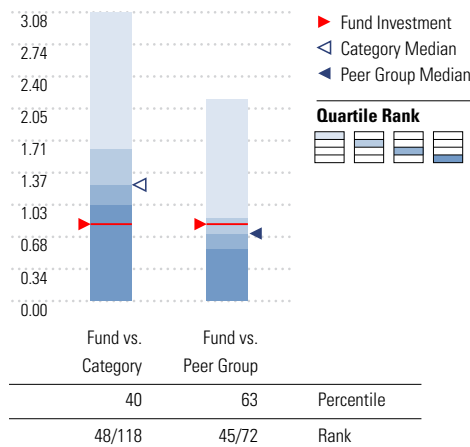
## Growth of \$10,000



## 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	1.43	-	-0.08
Beta	1.14	-	1.07
R-Squared	95.85	-	86.07
Standard Deviation	19.42	16.74	19.57
Sharpe Ratio	1.00	0.94	0.89
Tracking Error	4.56	-	7.45
Information Ratio	0.80	-	0.17
Up Capture Ratio	114.29	-	105.69
Down Capture Ratio	107.92	-	107.94

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.32	-	14.38
Price/Book Ratio	1.51	-	1.78
Geom Avg Mkt Cap \$B	20.09	-	30.14
ROE	16.78	-	12.41

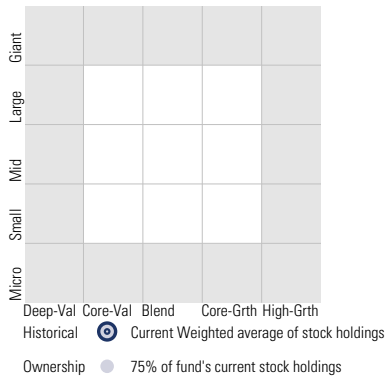
# PIMCO Commodity Real Ret Strat Instl PCRIX

**Morningstar Category**  
Commodities Broad Basket

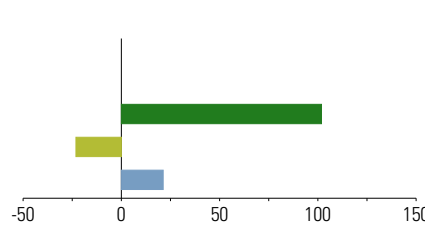
**Morningstar Index**  
Bloomberg Commodity TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™

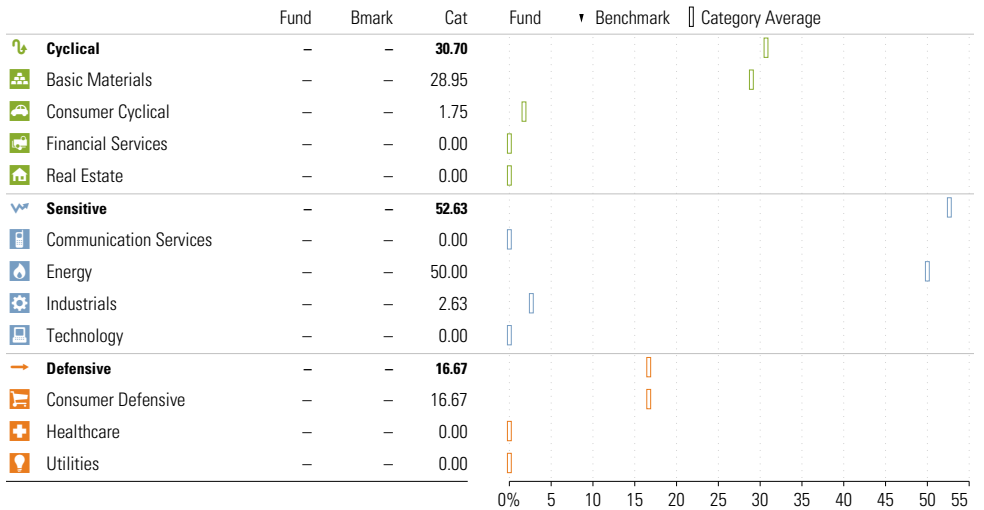


## Asset Allocation as of 03-31-2022

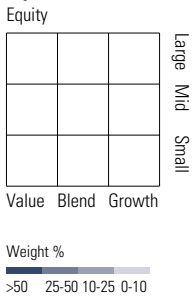


Asset Class	Net %	Cat%
US Stocks	0.00	2.13
Non-US Stocks	0.00	0.62
Bonds	101.84	30.07
Cash	-23.11	61.26
Other	21.28	5.91
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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
⊖ U S TIPS REV REPO	25.49	25.49	-	-
⊖ Euro Schatz Future Mar 22	25.35	50.85	-	-
✳ Offset: Unsettled Trades	19.45	70.30	-	-
⊖ U S TIPS REV REPO	19.37	89.67	-	-
⊕ Pimco Cayman Cmdty Fd Ltd Instl	15.91	105.58	-	-
⊕ United States Treasury Notes 0.125%	14.22	119.80	-	-
⊖ OIS GBP SONIO/1.01250 09/20/23-0Y* LCH Pay	12.17	131.97	-	-
⊕ OIS GBP SONIO/0.90000 09/21/22-0Y* LCH Pay	12.17	144.14	-	-
⊕ OIS GBP SONIO/0.90000 09/21/22-0Y* LCH Receive	12.15	156.29	-	-
⊖ OIS GBP SONIO/1.01250 09/20/23-0Y* LCH Receive	12.15	168.44	-	-
⊕ 2 Year Treasury Note Future Mar 22	11.04	179.48	-	-
⊕ 3 Month Euribor Future Mar 23	9.61	189.10	-	-
✳ Cash Offset	9.49	198.58	-	-
⊕ United States Treasury Notes 0.125%	8.64	207.23	-	-
⊖ EUROPEAN MONETARY UNION EURO Sold	7.42	214.65	-	-

**Total Holdings 776**

⊕ Increase ⊖ Decrease ✳ New to Portfolio



# PIMCO International Bond (USD-Hdg) Instl PFORX

**Morningstar Category**  
World Bond-USD Hedged

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

## Portfolio Manager(s)

Andrew Balls since 09-2014  
Lorenzo Pagani since 09-2014  
Sachin Gupta since 09-2014

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 7.52 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.52 is 29.73% lower than the World Bond-USD Hedged category average.

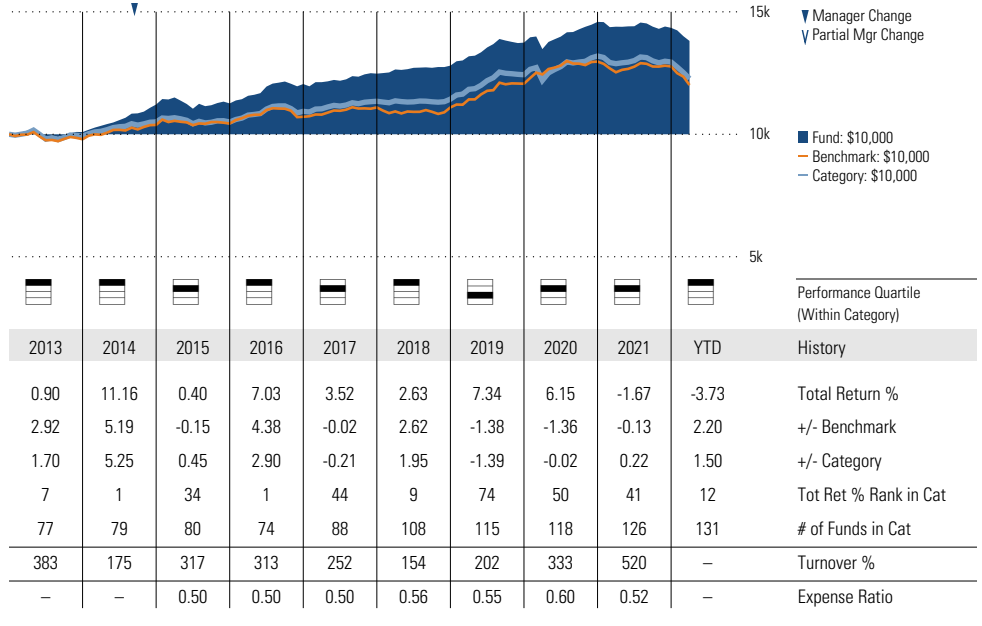
## Morningstar Investment Management LLC Analysis

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.

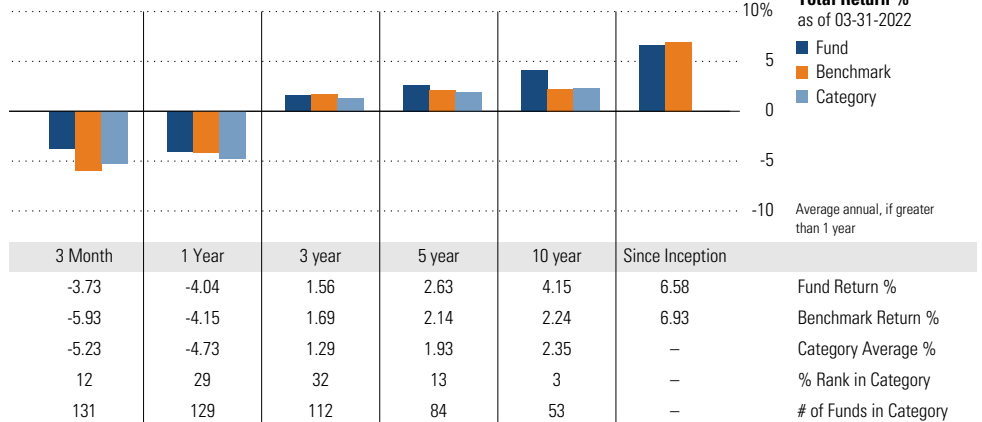
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	11-30-2021

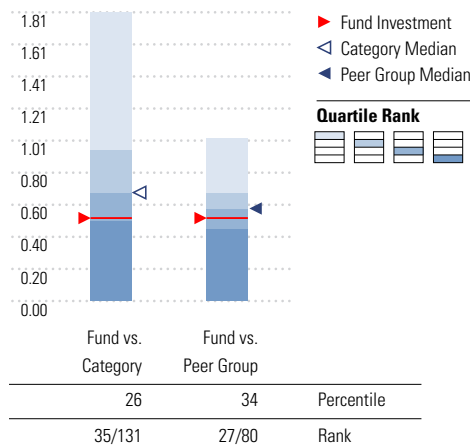
## Growth of \$10,000



## 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	-	-0.07
Beta	0.66	-	0.92
R-Squared	48.88	-	54.93
Standard Deviation	3.82	4.03	5.10
Sharpe Ratio	0.25	0.27	0.15
Tracking Error	3.05	-	3.60
Information Ratio	-0.04	-	-0.11
Up Capture Ratio	80.16	-	106.75
Down Capture Ratio	75.75	-	114.83

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.92	4.43	7.04
Avg Eff Maturity	8.12	-	8.71

# PIMCO International Bond (USD-Hdg) Instl PFORX

**Morningstar Category**  
World Bond-USD Hedged

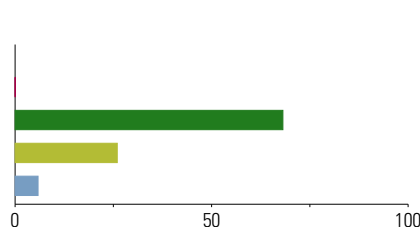
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

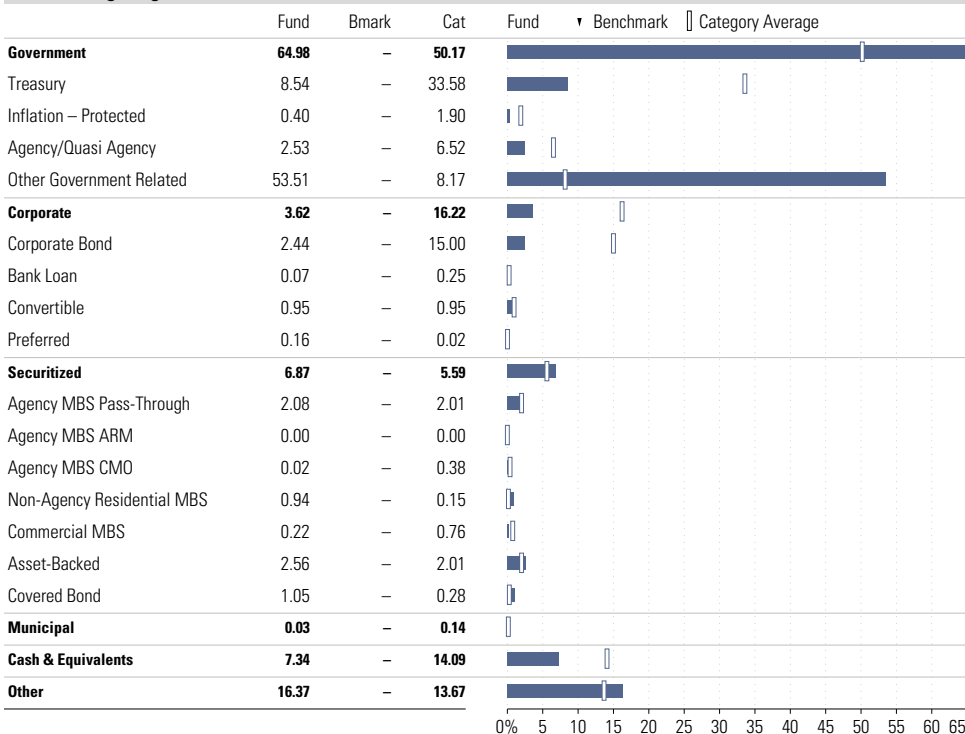


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.04	0.00
Bonds	68.14	83.88
Cash	25.99	14.59
Other	5.84	1.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	20.59	3.53	25.05
AA	11.82	74.59	12.21
A	40.15	10.82	26.05
BBB	20.60	8.32	20.57
BB	2.63	0.28	5.51
B	1.17	0.00	2.70
Below B	3.04	0.00	0.34
Not Rated	0.00	2.46	7.56

## Sector Weighting as of 03-31-2022



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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ IRS USD R 3ML/1ML+9.125 03/18/21-22 CME Pay	03-2022	22.36	22.36	-
⊕ IRS USD R 3ML/1ML+9.125 03/18/21-22 CME Receive	03-2022	22.36	44.72	-
✱ Cash Offset	-	19.02	63.74	-
⊕ IRS EUR -0.25000 03/16/22-5Y LCH Pay	03-2027	14.36	78.10	-
⊕ IRS EUR -0.25000 03/16/22-5Y LCH Receive	03-2027	14.12	92.22	-
⊖ JAPANESE YEN Sold	01-2022	13.93	106.15	-
⊖ JAPANESE YEN Purchased	01-2022	13.93	120.08	-
⊕ IRS EUR 0.25000 03/16/22-10Y LCH Pay	03-2032	13.65	133.73	-
⊕ IRS EUR 0.25000 03/16/22-10Y LCH Receive	03-2032	13.52	147.25	-
⊕ Euro Schatz Future Mar 22	03-2022	13.32	160.57	-

**Total Holdings 1834**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# State St Russell Sm Cap® Gr Indx NL CI C

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Management Team since 09-2009

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 12.66 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95.45% lower than the Small Growth category average.

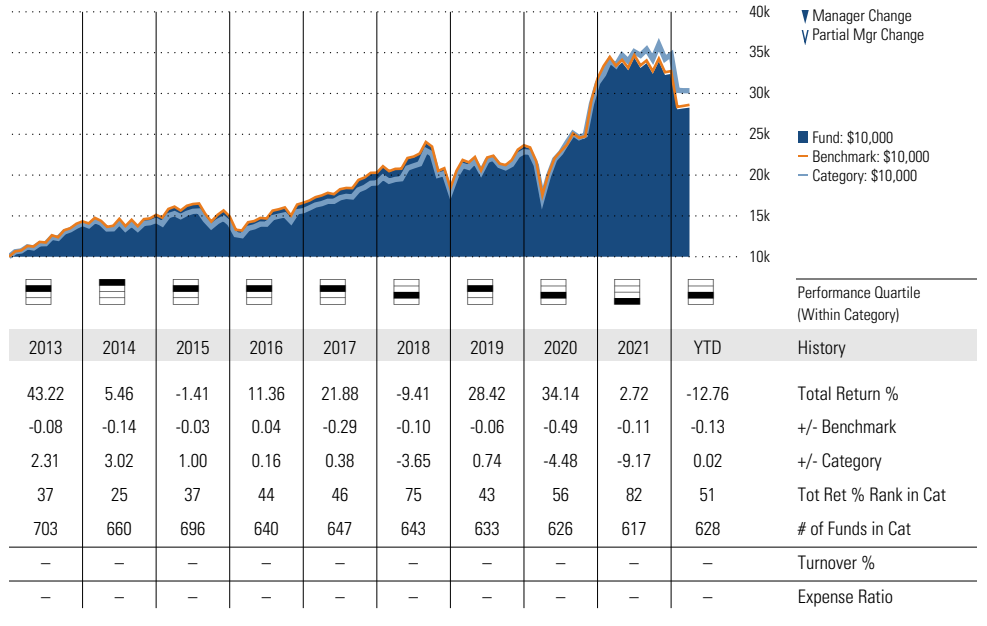
## Morningstar Investment Management LLC Analysis

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

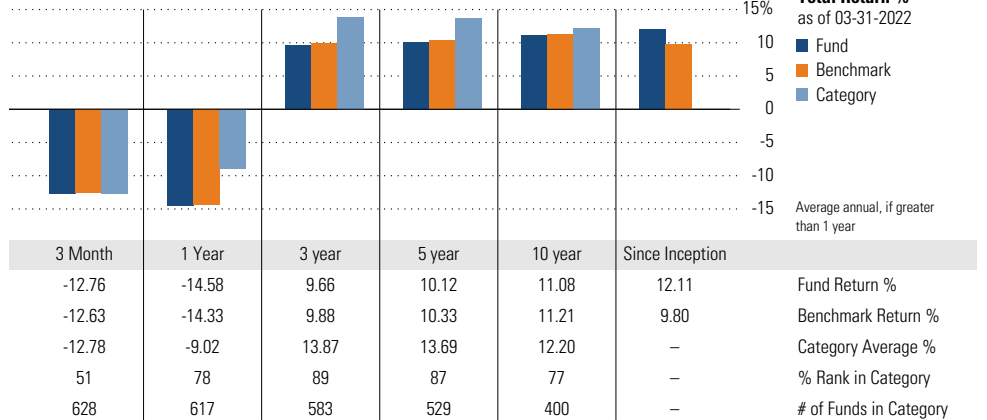
## ESG Metrics

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

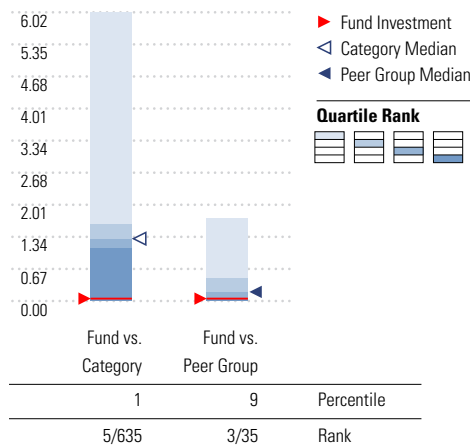
## Growth of \$10,000



## 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	-0.20	-	3.25
Beta	1.00	-	0.95
R-Squared	100.00	-	92.78
Standard Deviation	24.03	24.03	23.59
Sharpe Ratio	0.48	0.48	0.60
Tracking Error	0.12	-	5.66
Information Ratio	-1.84	-	0.08
Up Capture Ratio	99.52	-	100.12
Down Capture Ratio	100.13	-	90.34

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.55	19.55	25.23
Price/Book Ratio	4.03	4.02	4.23
Geom Avg Mkt Cap \$B	2.87	2.87	5.16
ROE	8.79	8.75	14.53

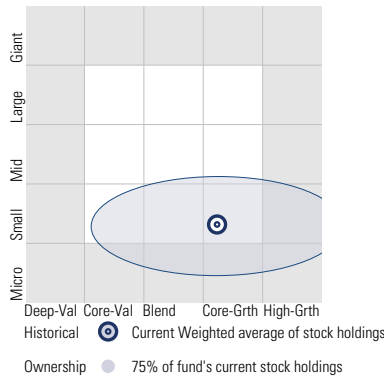
# State St Russell Sm Cap® Gr Indx NL CI C

**Morningstar Category**  
Small Growth

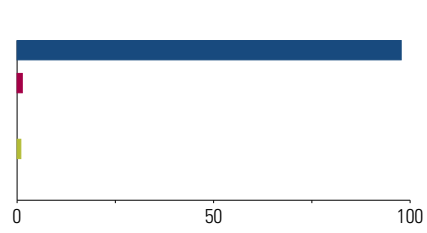
**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™



## Asset Allocation as of 03-31-2022

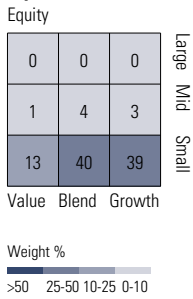


Asset Class	Net %	Cat%
US Stocks	97.73	92.92
Non-US Stocks	1.32	4.34
Bonds	0.00	0.00
Cash	0.95	2.32
Other	0.00	0.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>24.56</b>	<b>24.56</b>	<b>27.27</b>			
Basic Materials	3.56	3.55	2.73			
Consumer Cyclical	12.19	12.23	12.55			
Financial Services	5.51	5.49	9.04			
Real Estate	3.30	3.29	2.95			
<b>Sensitive</b>	<b>45.66</b>	<b>45.60</b>	<b>46.36</b>			
Communication Services	3.48	3.49	2.44			
Energy	3.43	3.41	2.02			
Industrials	16.33	16.26	16.86			
Technology	22.42	22.44	25.04			
<b>Defensive</b>	<b>29.77</b>	<b>29.84</b>	<b>26.37</b>			
Consumer Defensive	4.25	4.25	3.71			
Healthcare	25.00	25.07	22.20			
Utilities	0.52	0.52	0.46			

## Style Breakdown



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
State Street Corporation Short Term Investment Fund	0.95	0.95	-	-
Tetra Tech Inc	0.67	1.62	-2.74	Industrials
Lattice Semiconductor Corp	0.63	2.25	-20.91	Technology
EastGroup Properties Inc	0.63	2.87	-10.30	Real Estate
WillScot Mobile Mini Holdings Corp	0.62	3.49	-4.19	Industrials
Synaptics Inc	0.60	4.08	-31.09	Technology
Southwestern Energy Co	0.55	4.64	53.86	Energy
II-VI Inc	0.54	5.18	6.09	Technology
ShockWave Medical Inc	0.54	5.71	16.28	Healthcare
Performance Food Group Co	0.53	6.24	10.94	Consumer Defensive
Inspire Medical Systems Inc	0.52	6.76	11.58	Healthcare
BJ's Wholesale Club Holdings Inc	0.52	7.28	0.96	Consumer Defensive
KBR Inc	0.51	7.79	15.18	Industrials
E-Mini Russ 2000 Jun22 Xcme 20220617	0.51	8.30	-	-
Saia Inc	0.49	8.79	-27.66	Industrials

**Total Holdings 1214**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# State St Russell Sm Cp® Val Indx NL CI C

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Management Team since 09-2009

## Quantitative Screens

✔ **Performance:** The fund has finished in the Small Value 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 12.66 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95.33% lower than the Small Value category average.

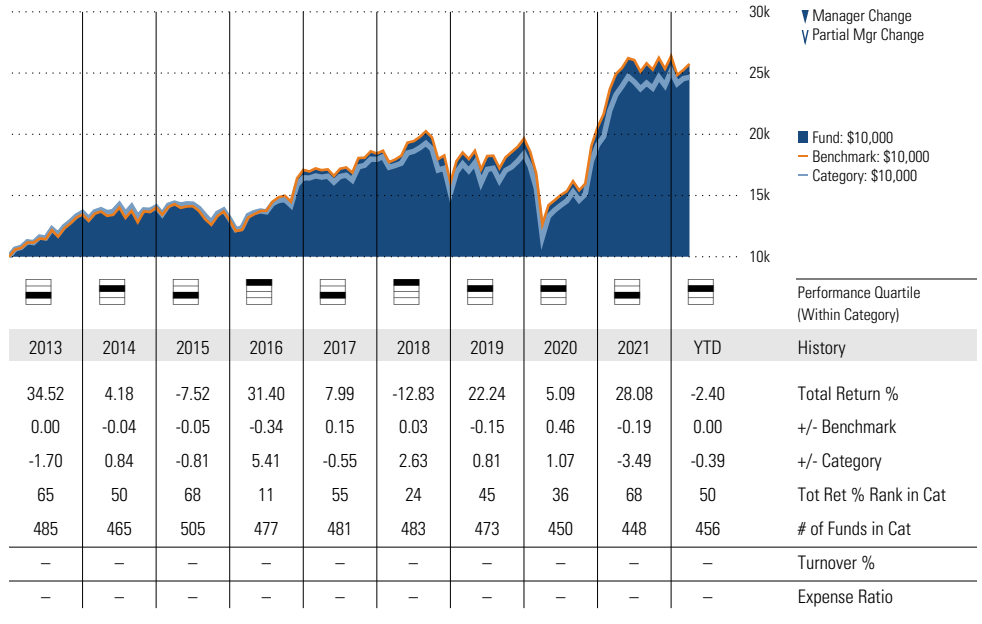
## Morningstar Investment Management LLC Analysis

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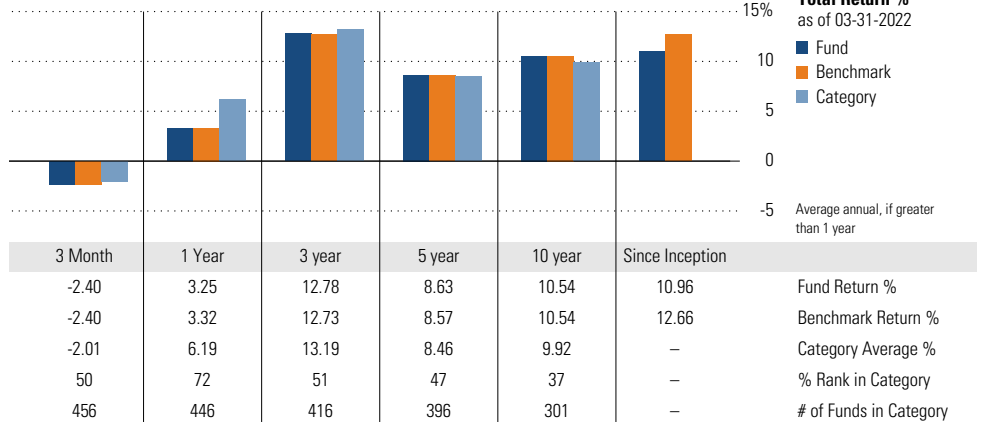
## ESG Metrics

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

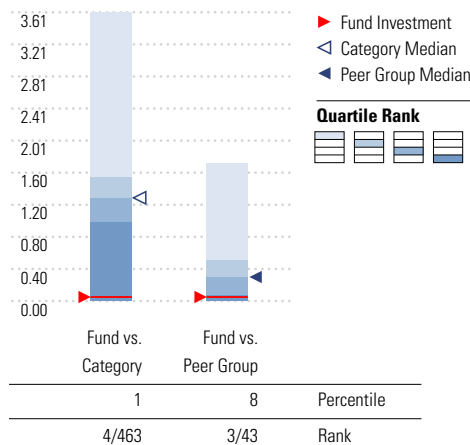
## Growth of \$10,000



## 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	0.11	-	0.57
Beta	0.99	-	1.01
R-Squared	99.99	-	97.39
Standard Deviation	24.72	24.94	25.57
Sharpe Ratio	0.59	0.58	0.60
Tracking Error	0.32	-	3.57
Information Ratio	0.16	-	-0.63
Up Capture Ratio	99.64	-	101.59
Down Capture Ratio	99.34	-	100.18

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	12.53	12.54	12.81
Price/Book Ratio	1.53	1.53	1.72
Geom Avg Mkt Cap \$B	2.34	2.34	4.24
ROE	8.75	8.77	16.11

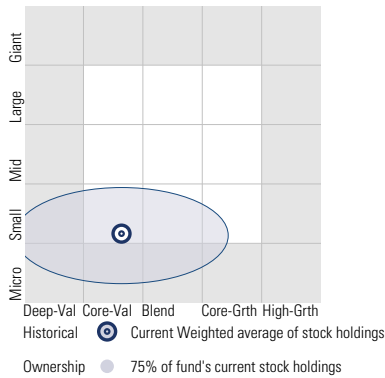
# State St Russell Sm Cp® Val Indx NL CI C

**Morningstar Category**  
Small Value

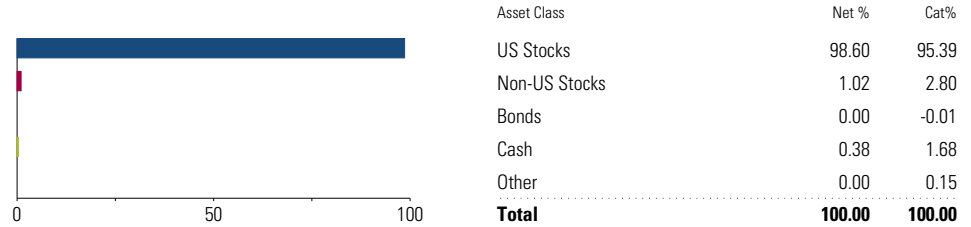
**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 03-31-2022

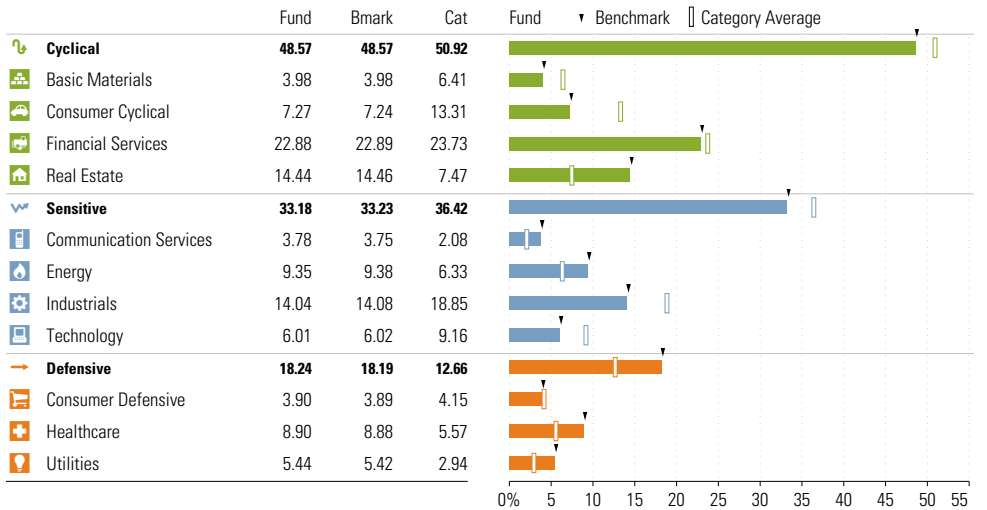
Morningstar Style Box™



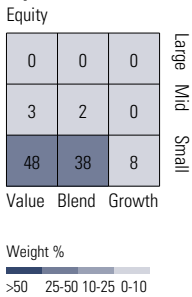
## Asset Allocation as of 03-31-2022



## 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
⊖ Ovintiv Inc	0.93	0.93	61.04	Energy
⊖ AMC Entertainment Holdings Inc Class A	0.88	1.81	-9.41	Communication Svc
Avis Budget Group Inc	0.76	2.57	26.97	Industrials
Chesapeake Energy Corp Ordinary Shares - New	0.60	3.17	37.58	Energy
⊕ E-Mini Russ 2000 Jun22 Xcme 20220617	0.60	3.77	-	-
⊖ Tenet Healthcare Corp	0.55	4.32	5.23	Healthcare
⊖ Antero Resources Corp	0.53	4.86	74.46	Energy
⊕ Stag Industrial Inc	0.51	5.37	-13.02	Real Estate
⊖ Macy's Inc	0.51	5.88	-6.35	Consumer Cyclical
⊖ Range Resources Corp	0.50	6.38	70.39	Energy
⊖ PDC Energy Inc	0.49	6.87	49.51	Energy
⊖ SouthState Corp	0.43	7.30	2.46	Financial Services
⊖ Murphy Oil Corp	0.41	7.71	55.27	Energy
⊕ Independence Realty Trust Inc	0.40	8.11	2.83	Real Estate
⊖ Terreno Realty Corp	0.38	8.49	-12.78	Real Estate

**Total Holdings 1397**

⊕ 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.

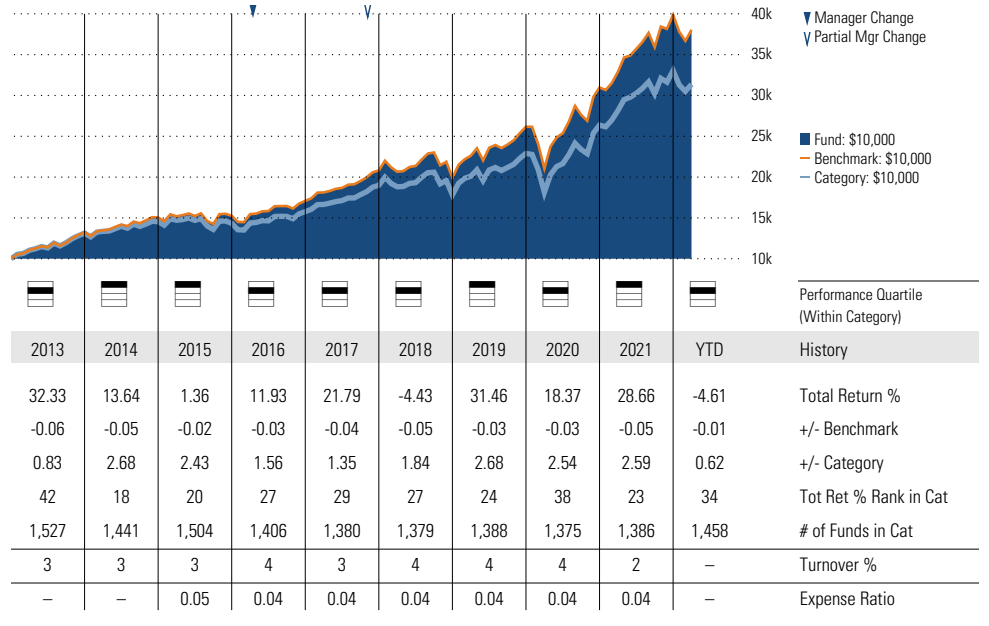
## Morningstar Investment Management LLC Analysis

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.

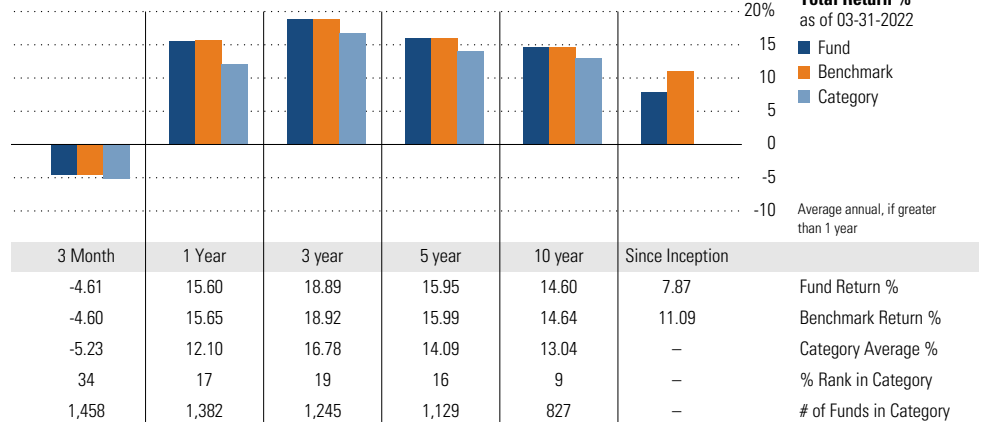
## ESG Metrics

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

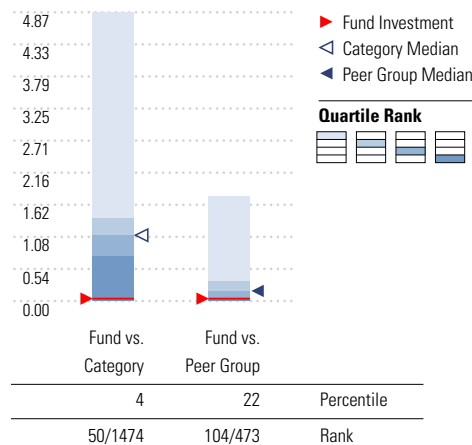
## Growth of \$10,000



## 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	-0.03	-	-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

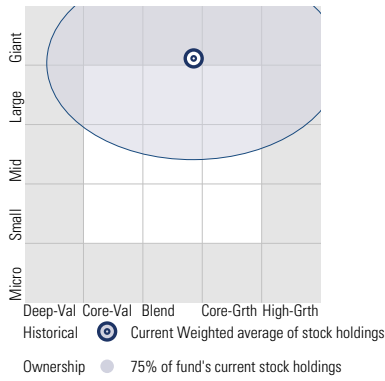
# Vanguard 500 Index Admiral VFIAX

Morningstar Category  
Large Blend

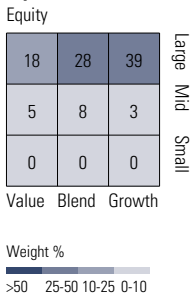
Morningstar Index  
S&P 500 TR USD

## Style Analysis as of 03-31-2022

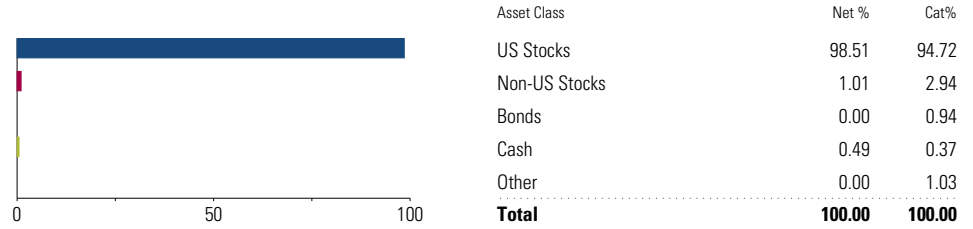
Morningstar Style Box™



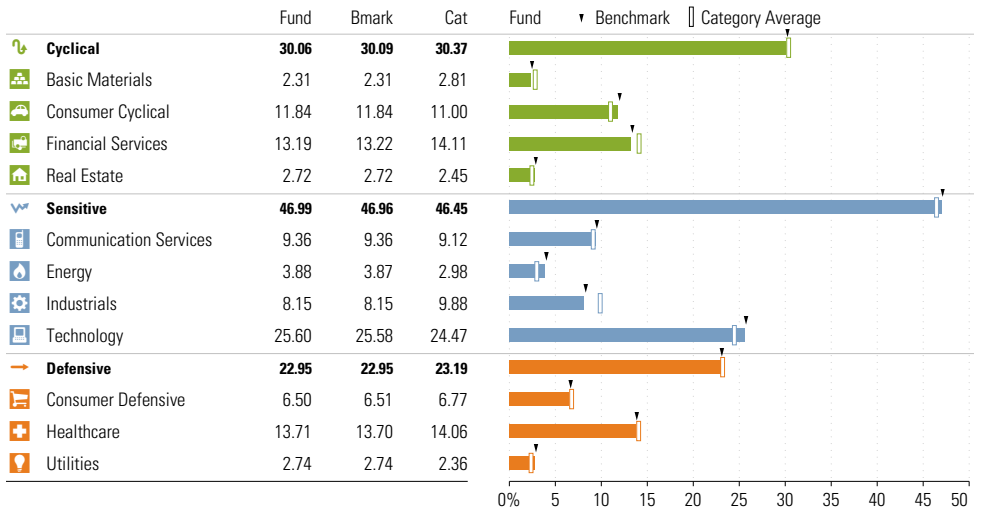
## Style Breakdown



## 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 Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Portfolio Manager(s)

Christine Franquin since 02-2013  
Michael Perre since 11-2017

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 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 0.07 is 92.47% lower than the Foreign Large Blend category average.

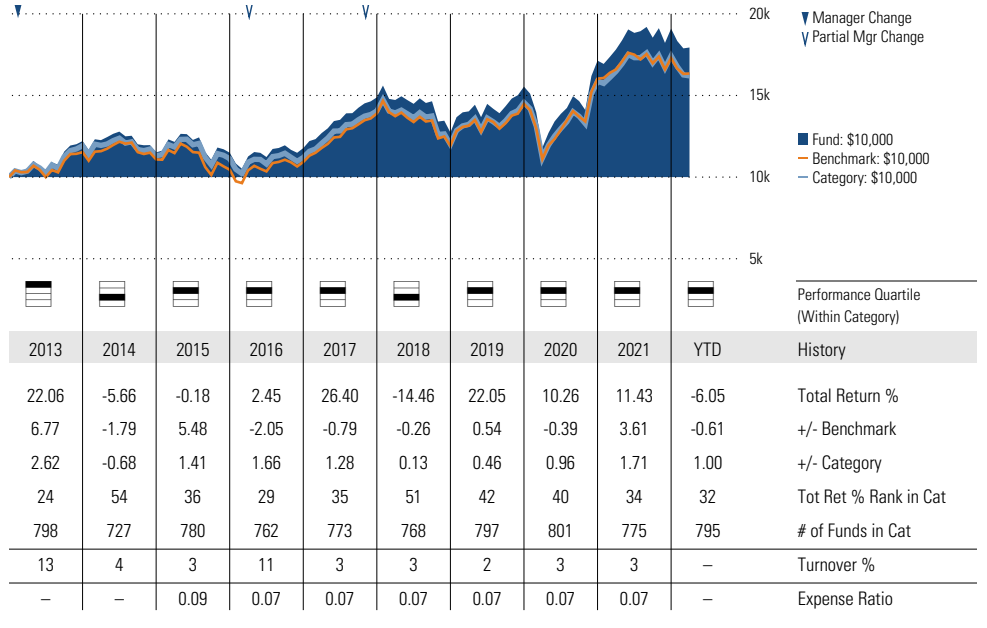
## Morningstar Investment Management LLC Analysis

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.

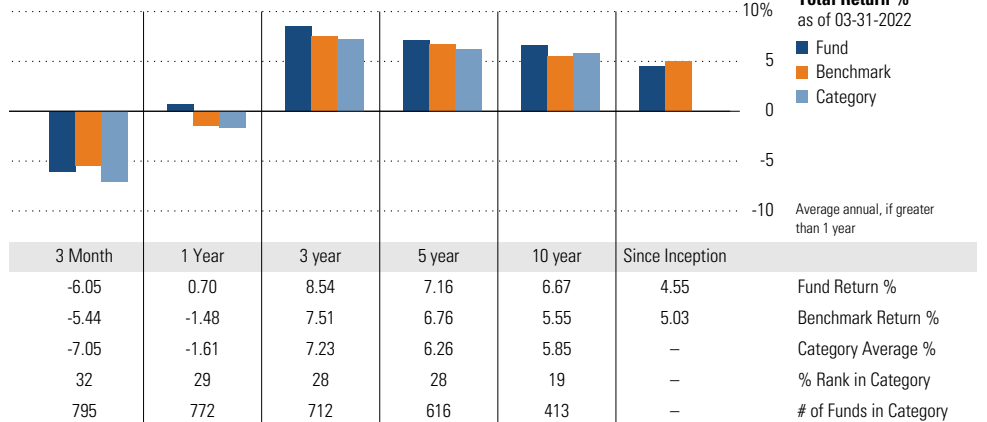
## ESG Metrics

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

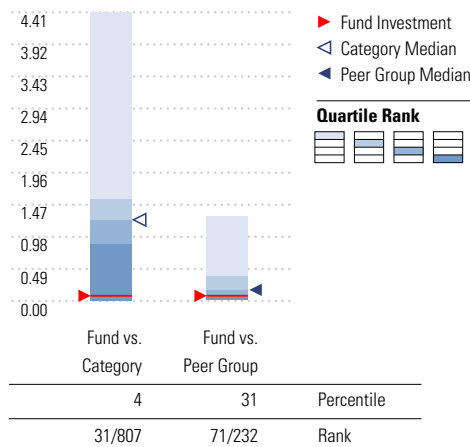
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	0.77	-	0.12
Beta	1.04	-	1.00
R-Squared	96.86	-	93.68
Standard Deviation	17.85	16.88	17.51
Sharpe Ratio	0.51	0.47	0.47
Tracking Error	3.24	-	4.46
Information Ratio	0.32	-	0.03
Up Capture Ratio	105.24	-	100.75
Down Capture Ratio	102.03	-	100.82

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.78	13.81	14.09
Price/Book Ratio	1.64	1.78	1.79
Geom Avg Mkt Cap \$B	29.96	45.25	51.25
ROE	17.66	18.45	19.89

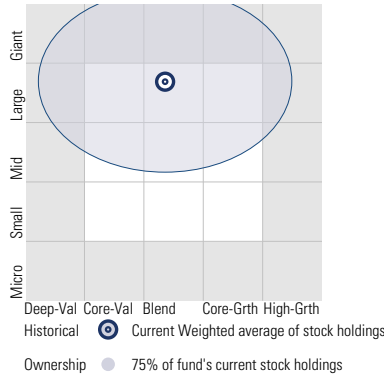
# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

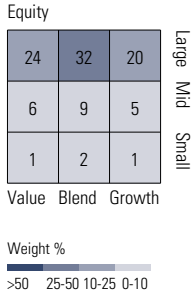
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 03-31-2022

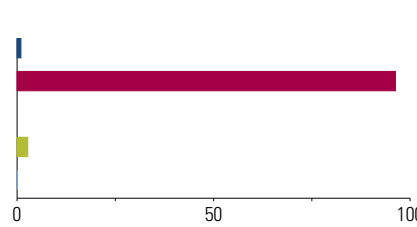
Morningstar Style Box™



## Style Breakdown

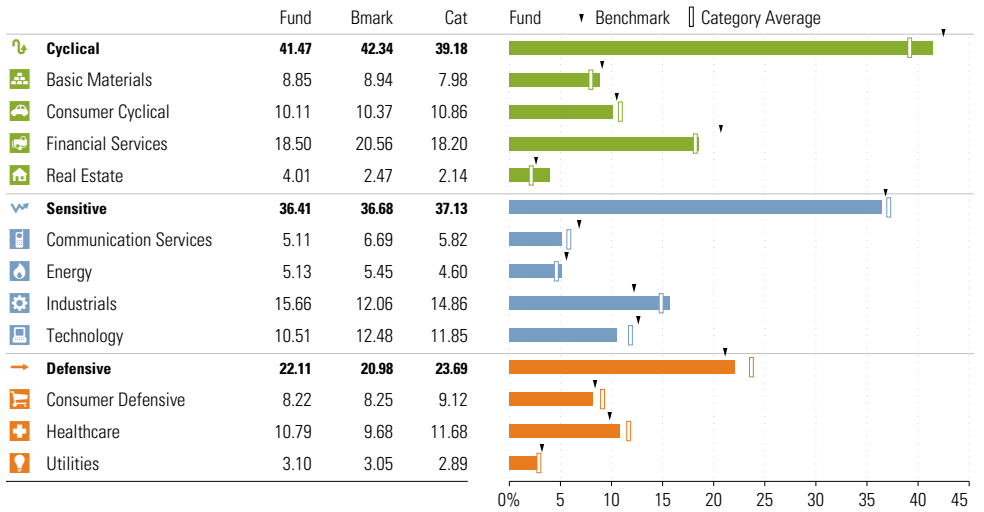


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	9.97	3.24
Non-US Stocks	96.26	94.72
Bonds	0.00	0.04
Cash	2.72	1.42
Other	0.05	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 %	Region	Fund %
Greater Asia	36.13	35.41	Americas	11.55	8.71	Greater Europe	52.31	55.90	Market Maturity	Fund %
Japan	19.99	18.15	North America	11.44	7.56	United Kingdom	12.22	13.12	Developed Markets	99.24
Australasia	7.59	5.00	Central/Latin	0.11	1.15	W euro-ex UK	39.06	41.43	Emerging Markets	0.76
Asia-4 Tigers	8.24	7.10				Emrgng Europe	0.33	0.28	Not Available	0.00
Asia-ex 4 Tigers	0.31	5.16				Africa	0.70	1.07		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	2.02	2.02	-	-
⊕ Nestle SA	1.57	3.60	-5.68	Consumer Defensive
⊕ Roche Holding AG	1.19	4.78	-1.74	Healthcare
⊕ Samsung Electronics Co Ltd	1.17	5.95	-	Technology
⊖ ASML Holding NV	1.12	7.08	-13.68	Technology
⊖ Toyota Motor Corp	0.96	8.04	6.47	Consumer Cyclical
⊖ Shell PLC	0.92	8.96	31.14	Energy
⊕ AstraZeneca PLC	0.90	9.86	18.43	Healthcare
⊕ BHP Group Ltd	0.85	10.71	29.71	Basic Materials
⊕ Novartis AG	0.81	11.52	3.72	Healthcare

**Total Holdings 4170**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard Emerging Mkts Stock Idx Adm VEMAX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

Michael Perre since 08-2008  
Jeffrey Miller since 02-2016

## Quantitative Screens

✔ **Performance:** The fund has finished in the Diversified Emerging Mkts 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 13.59 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 88.14% lower than the Diversified Emerging Mkts category average.

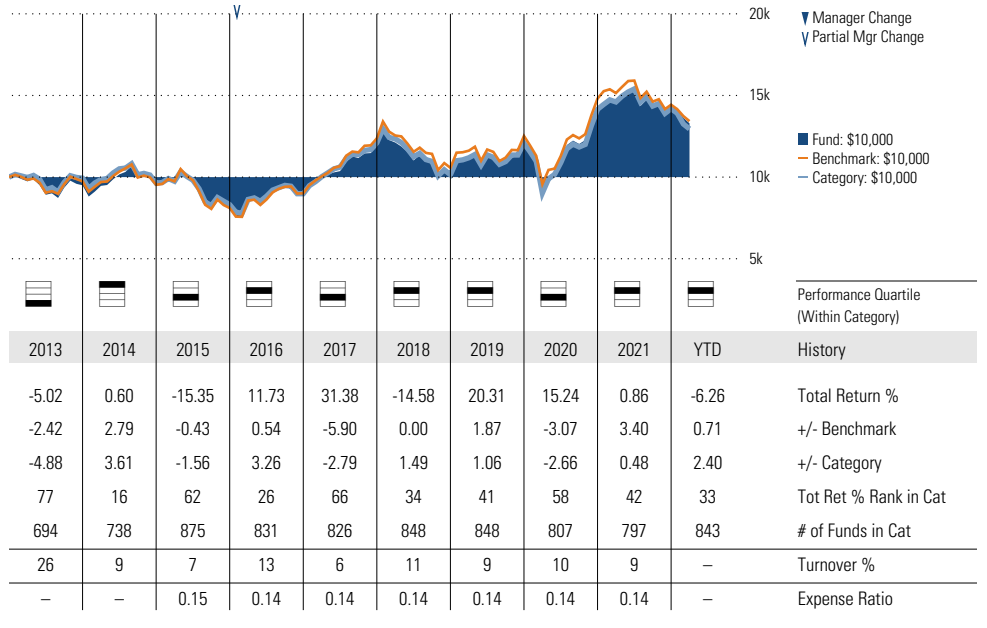
## Morningstar Investment Management LLC Analysis

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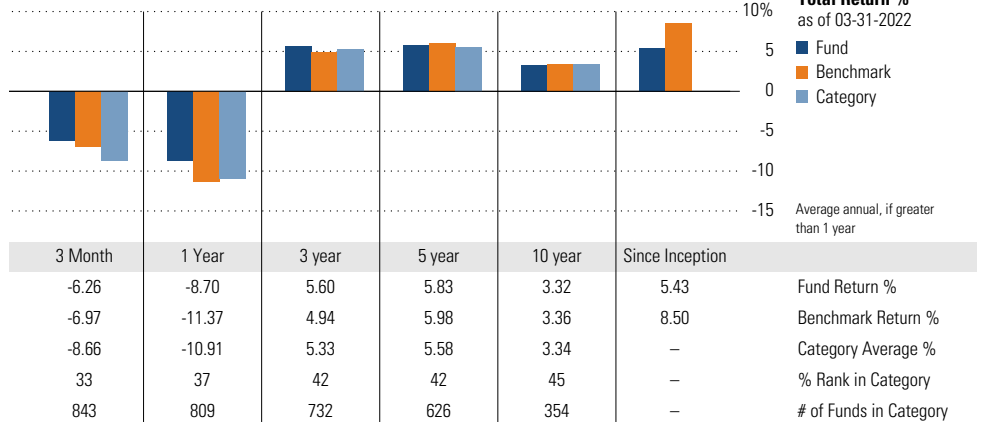
## ESG Metrics

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

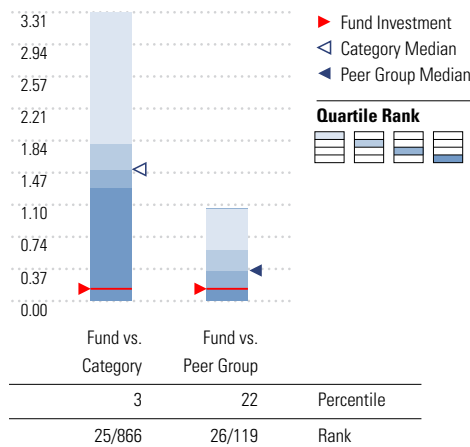
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	0.81	-	0.37
Beta	0.97	-	1.00
R-Squared	97.11	-	88.96
Standard Deviation	17.91	18.28	19.51
Sharpe Ratio	0.36	0.32	0.32
Tracking Error	3.11	-	6.33
Information Ratio	0.21	-	-0.01
Up Capture Ratio	96.83	-	101.11
Down Capture Ratio	93.51	-	100.73

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	12.52	12.40	11.75
Price/Book Ratio	1.83	1.77	2.10
Geom Avg Mkt Cap \$B	24.41	40.80	48.50
ROE	17.88	18.08	19.38

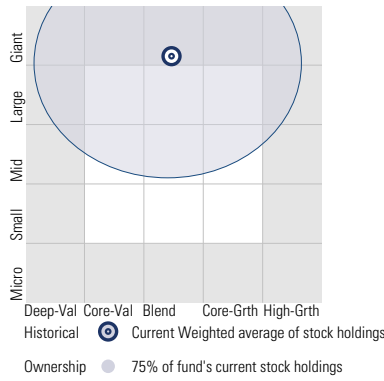
# Vanguard Emerging Mkts Stock Idx Adm VEMAX

**Morningstar Category**  
Diversified Emerging Mkts

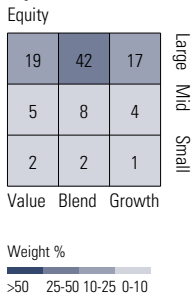
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 03-31-2022

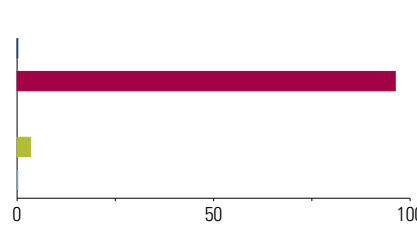
Morningstar Style Box™



## Style Breakdown

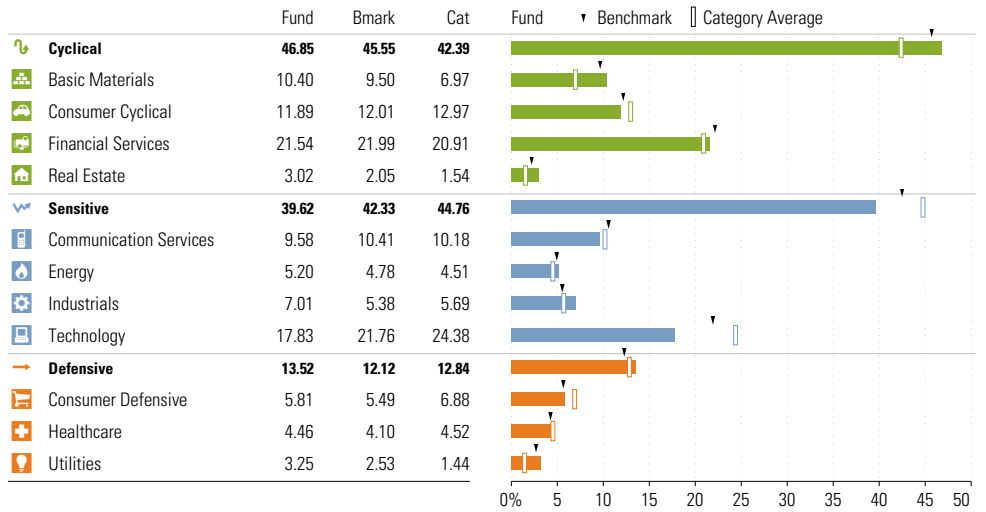


## Asset Allocation as of 03-31-2022

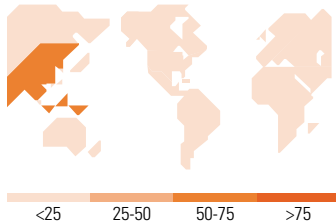


Asset Class	Net %	Cat%
US Stocks	0.19	2.90
Non-US Stocks	96.22	94.97
Bonds	0.00	0.01
Cash	3.45	2.35
Other	0.15	-0.24
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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	75.03	75.23	Americas	10.70	12.82	Greater Europe	14.26	11.97	Developed Markets	23.51
Japan	0.00	0.13	North America	0.13	2.77	United Kingdom	0.00	0.75	Emerging Markets	76.49
Australasia	0.00	0.06	Central/Latin	10.57	10.05	W euro-ex UK	0.39	2.03	Not Available	0.00
Asia-4 Tigers	19.45	28.36				Emrgng Europe	1.00	3.85		
Asia-ex 4 Tigers	55.58	46.68				Africa	12.87	5.34		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Taiwan Semiconductor Manufacturing Co Ltd	5.08	5.08	-2.48	Technology
⊖ Tencent Holdings Ltd	3.56	8.64	-21.54	Communication Svc
⊖ Alibaba Group Holding Ltd Ordinary Shares	2.50	11.14	2.10	Consumer Cyclical
⊕ Slbbh1142	1.67	12.81	-	-
⊖ Reliance Industries Ltd	1.46	14.27	11.26	Energy
⊕ Mktliq 12/31/2049	1.40	15.67	-	-
⊖ Taiwan Semiconductor Manufacturing Co Ltd ADR	1.27	16.94	-13.02	Technology
⊖ Infosys Ltd	1.14	18.08	1.01	Technology
⊕ Vale SA	0.98	19.06	27.40	Basic Materials
⊖ Meituan Class B	0.95	20.01	-30.25	Consumer Cyclical

**Total Holdings 4554**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard High-Yield Corporate Adm VWEAX

**Morningstar Category**  
High Yield Bond

**Morningstar Index**  
ICE BofA US High Yield TR USD

## Portfolio Manager(s)

Michael Hong since 02-2008

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 14.13 years.

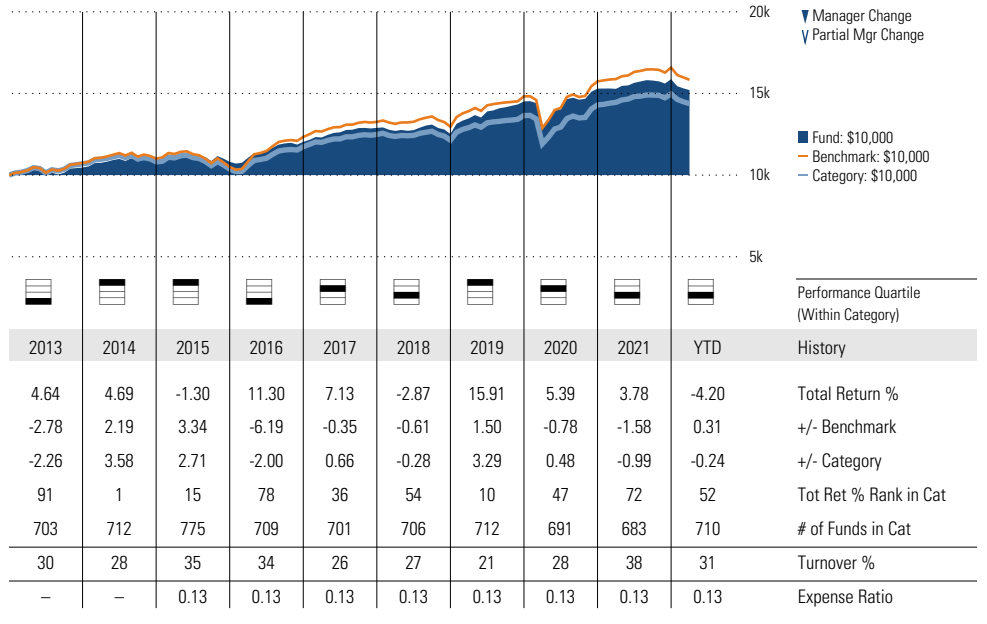
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.13 is 85.87% lower than the High Yield Bond category average.

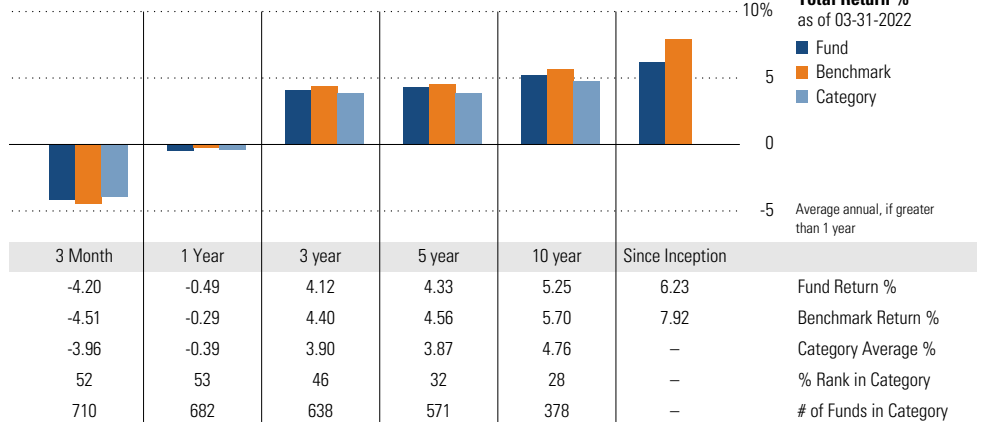
## Morningstar Investment Management LLC Analysis

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

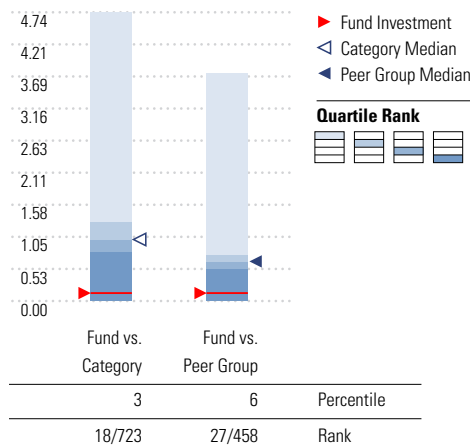
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.30	-	-0.26
Beta	0.86	-	0.97
R-Squared	97.98	-	95.71
Standard Deviation	7.99	9.23	9.15
Sharpe Ratio	0.46	0.44	0.41
Tracking Error	1.74	-	2.20
Information Ratio	-0.16	-	-0.21
Up Capture Ratio	87.45	-	94.11
Down Capture Ratio	84.02	-	96.34

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	3.80	-	3.65
Avg Eff Maturity	4.50	-	5.52

# Vanguard High-Yield Corporate Adm VWEAX

**Morningstar Category**  
High Yield Bond

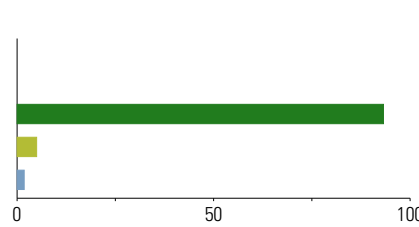
**Morningstar Index**  
ICE BofA US High Yield TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

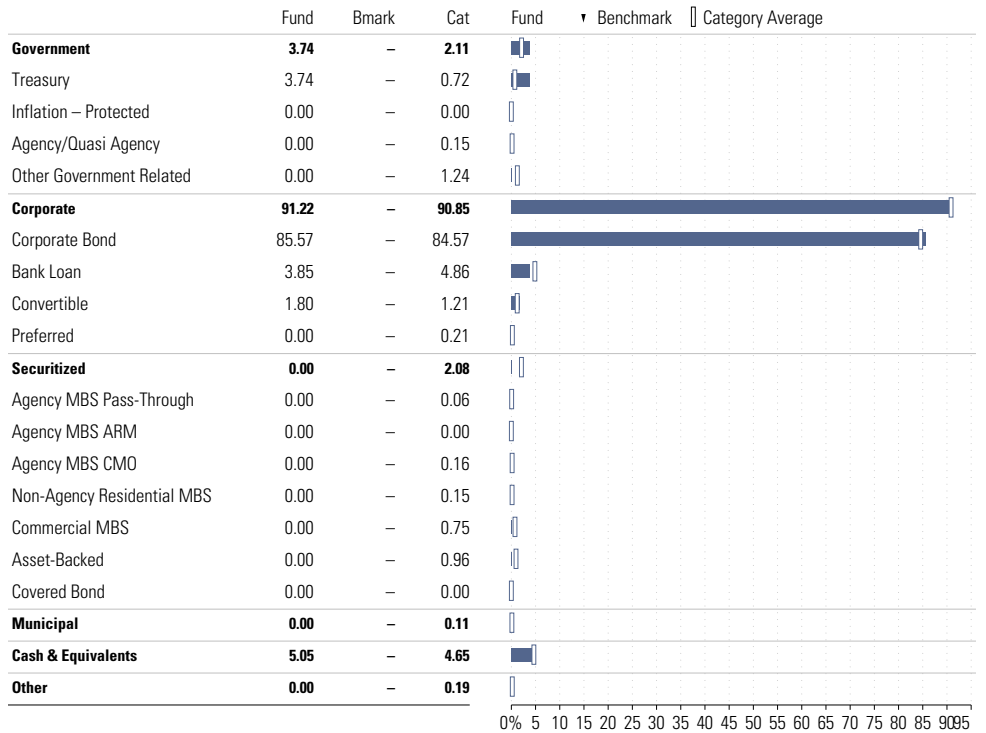


Asset Class	Net %	Cat%
US Stocks	0.00	1.06
Non-US Stocks	0.00	0.00
Bonds	93.22	94.30
Cash	4.97	2.82
Other	1.80	1.82
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	5.33	-	1.18
AA	-0.05	-	0.05
A	0.00	-	0.13
BBB	4.89	-	3.99
BB	53.73	-	36.62
B	28.78	-	35.10
Below B	5.10	-	20.49
Not Rated	2.22	-	2.43

## Sector Weighting as of 03-31-2022



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

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
T-Mobile US, Inc.	-	1.08	1.08	-
United States Treasury Notes	-	0.94	2.02	-
United States Treasury Notes	-	0.94	2.96	-
United States Treasury Notes	-	0.93	3.89	-
United States Treasury Notes	-	0.93	4.83	-
⊕ United States Treasury Notes	-	0.93	5.76	-
Imola Merger Corporation	-	0.84	6.60	-
⊕ Euro	-	0.78	7.38	-
HCA Inc.	-	0.74	8.12	-
Mozart Debt Merger Subordinated Incorporated	-	0.73	8.85	-

**Total Holdings 631**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

John Madziyire since 11-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.62 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 83.05% lower than the Inflation-Protected Bond category average.

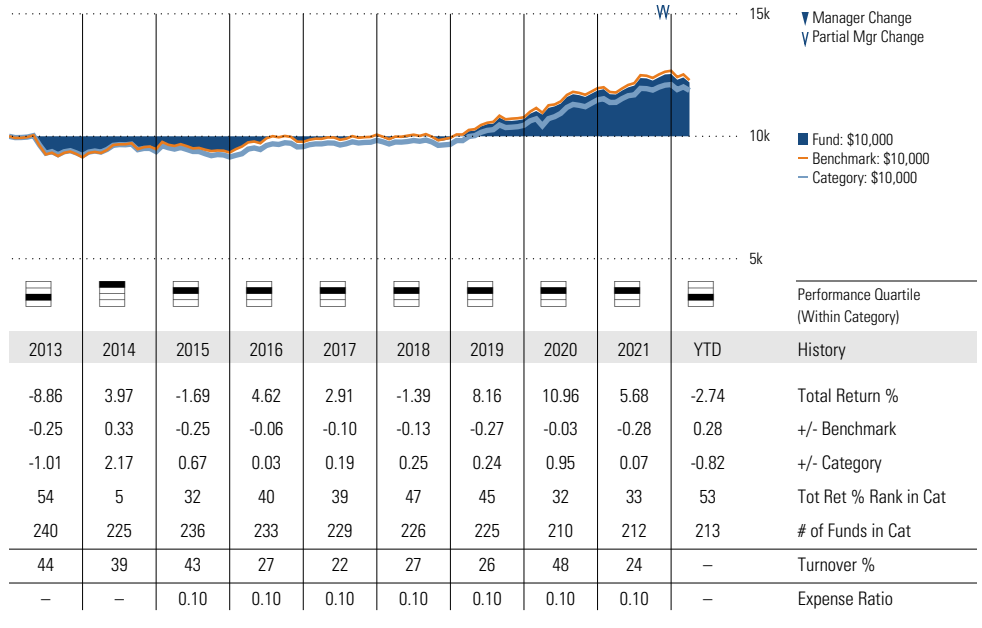
## Morningstar Investment Management LLC Analysis

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.

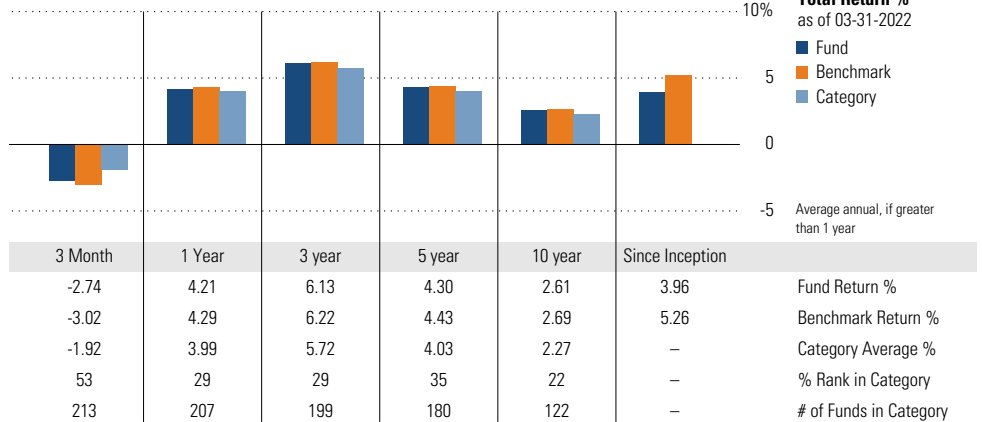
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	02-28-2022

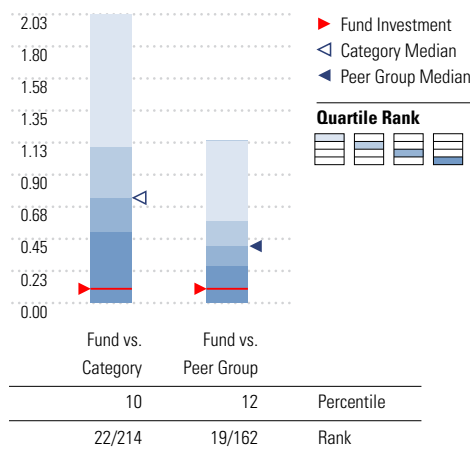
## Growth of \$10,000



## 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	0.35	-	0.12
Beta	0.93	-	0.89
R-Squared	98.69	-	78.62
Standard Deviation	4.05	4.33	4.52
Sharpe Ratio	1.33	1.27	1.17
Tracking Error	0.56	-	2.27
Information Ratio	-0.15	-	-0.47
Up Capture Ratio	94.98	-	89.99
Down Capture Ratio	88.91	-	89.93

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	7.50	4.52	6.20
Avg Eff Maturity	7.90	-	6.87

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

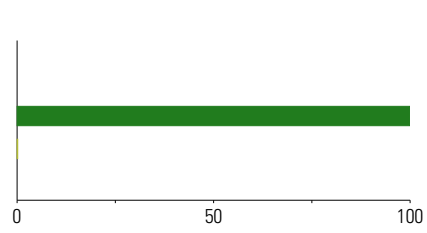
**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

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

**Style Breakdown**



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

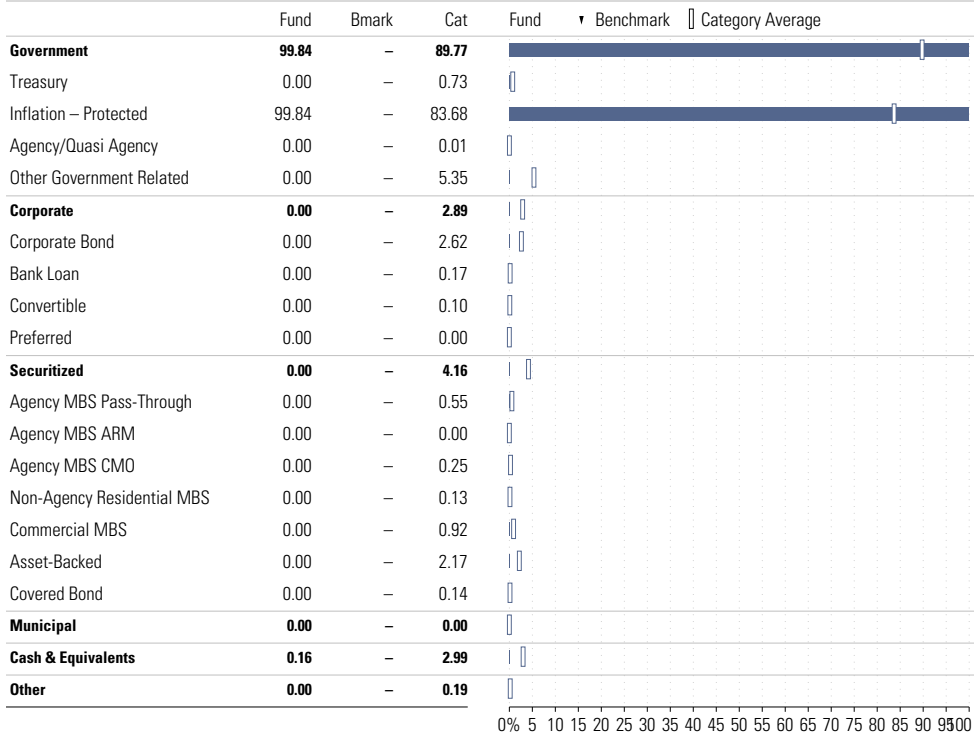


Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	99.84	97.98
Cash	0.16	1.52
Other	0.00	0.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	99.85	0.00	96.97
AA	0.00	99.60	0.27
A	0.00	0.00	0.47
BBB	0.00	0.00	0.87
BB	0.00	0.00	0.20
B	0.00	0.00	0.13
Below B	0.00	0.00	0.07
Not Rated	0.15	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	-	6.07	6.07	-
⊕ United States Treasury Notes	-	3.92	9.98	-
⊕ United States Treasury Notes	-	3.89	13.88	-
⊕ United States Treasury Notes	-	3.55	17.43	-
⊕ United States Treasury Notes	-	3.48	20.92	-
⊕ United States Treasury Notes	-	3.32	24.24	-
⊕ United States Treasury Notes	-	3.17	27.41	-
United States Treasury Notes	-	3.15	30.57	-
United States Treasury Notes	-	3.08	33.64	-
⊕ United States Treasury Notes	-	2.87	36.51	-

**Total Holdings** 47

⊕ 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.

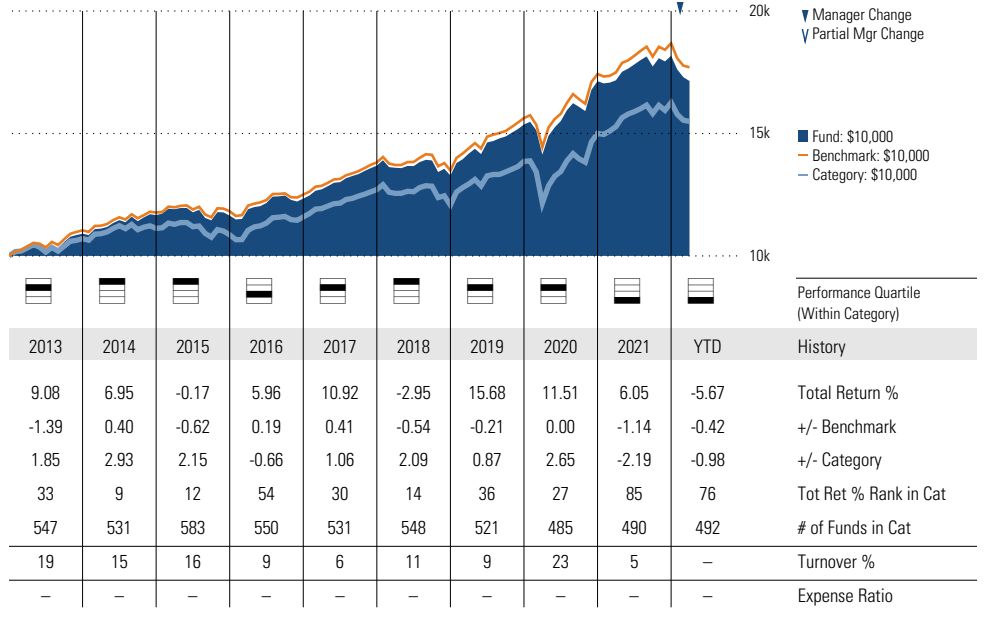
## Morningstar Investment Management LLC Analysis

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.

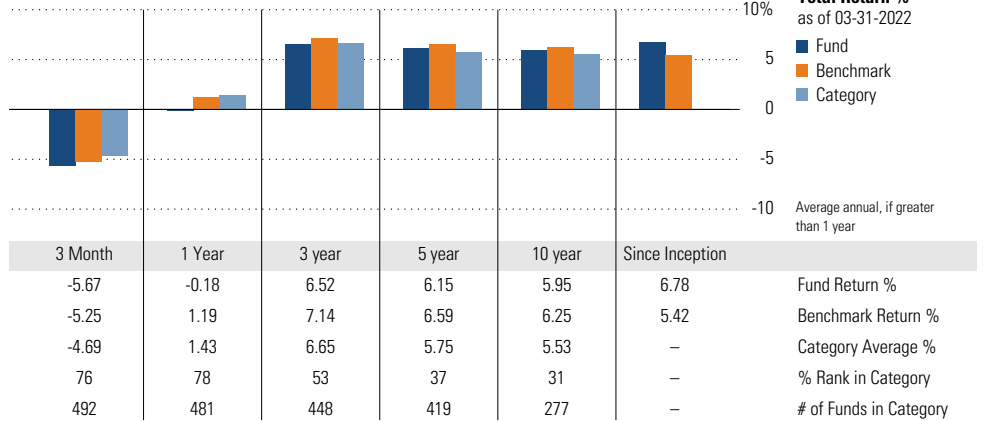
## ESG Metrics

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

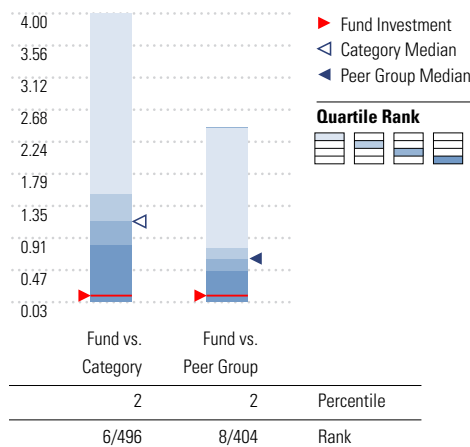
## Growth of \$10,000



## Trailing Performance



## Net Expense



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	-0.61	-	-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

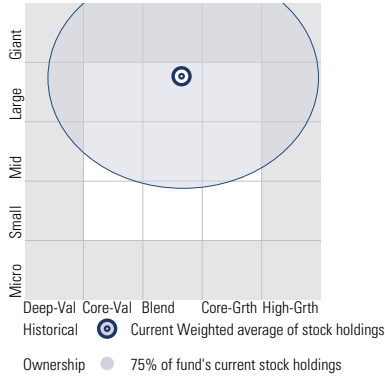
# Vanguard LifeStrategy Cnsvr Gr Inv VSCGX

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

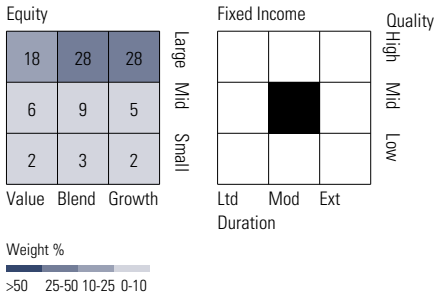
**Morningstar Index**  
Morningstar US Mod Con Tgt Alloc NR  
USD

## Style Analysis as of 03-31-2022

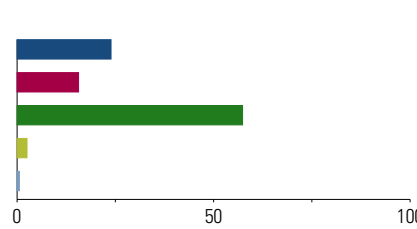
Morningstar Style Box™



## Style Breakdown

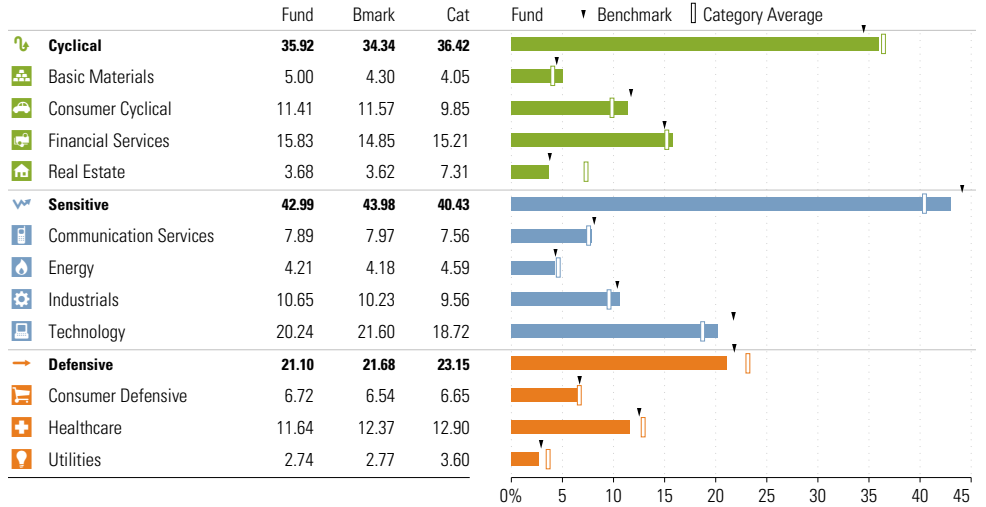


## Asset Allocation as of 03-31-2022



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.

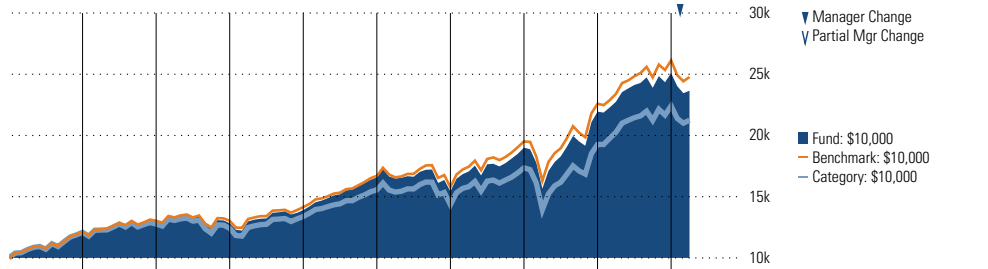
## Morningstar Investment Management LLC Analysis

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

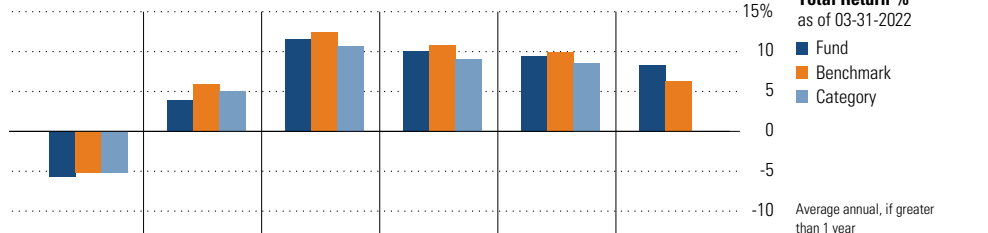
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## Growth of \$10,000



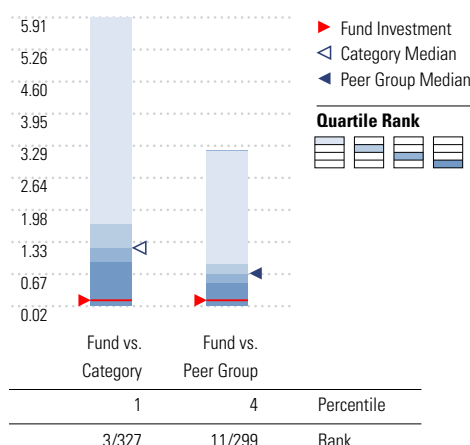
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	21.20	7.18	-1.17	8.33	19.21	-6.90	23.13	15.45	14.35	-5.72	History
	-0.07	-0.32	-1.14	-0.23	1.18	-1.37	-0.54	-0.33	-1.30	-0.54	Total Return %
	-0.11	1.47	1.60	0.40	3.41	1.03	1.78	1.94	-2.15	-0.57	+/- Benchmark
	53	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

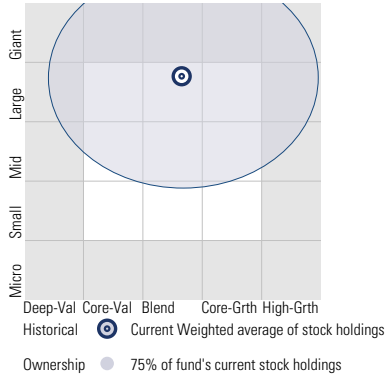
# Vanguard LifeStrategy Growth Inv VASGX

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

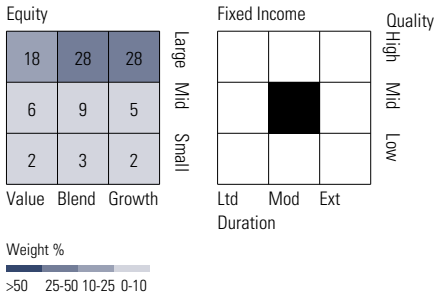
**Morningstar Index**  
Morningstar US Mod Agg Tgt Alloc NR  
USD

## Style Analysis as of 03-31-2022

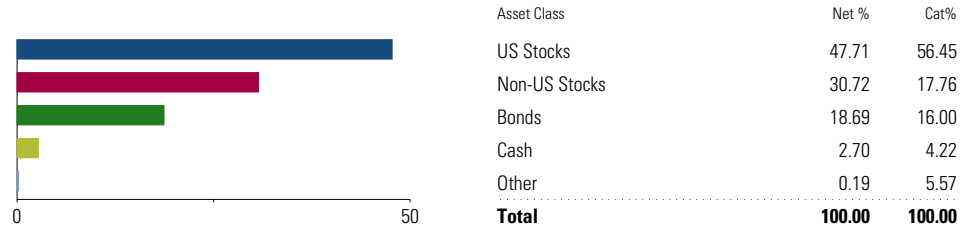
Morningstar Style Box™



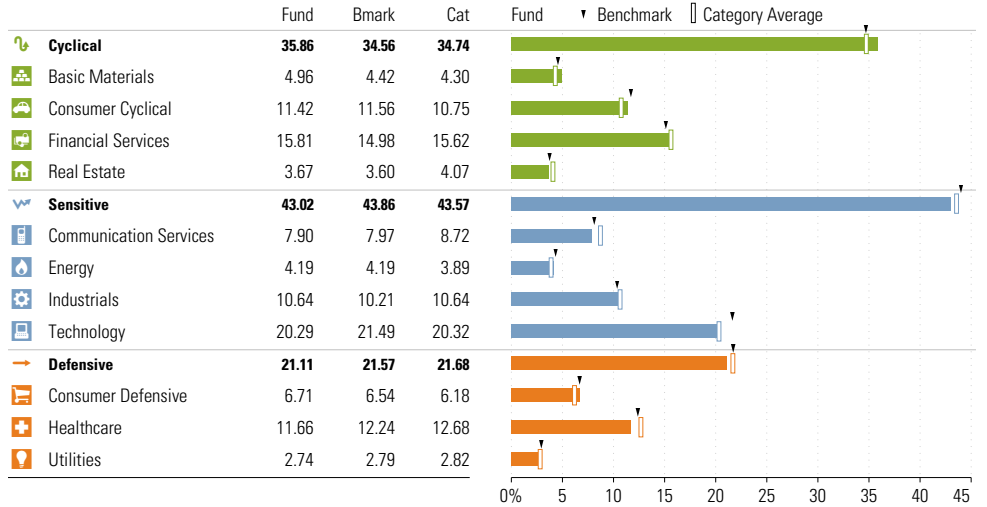
## Style Breakdown



## 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.

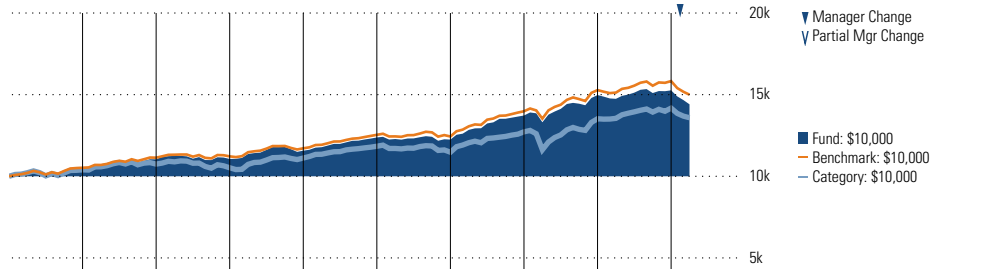
## Morningstar Investment Management LLC Analysis

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

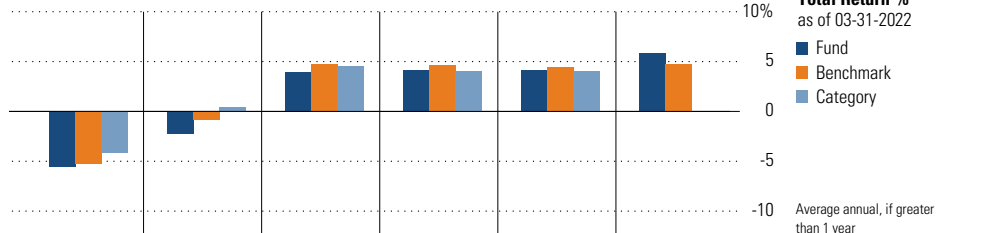
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



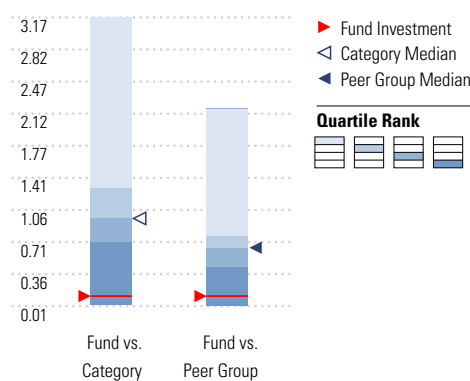
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
	3.40	6.76	0.22	4.58	6.98	-1.05	12.05	9.13	1.92	-5.61	History
	-1.84	0.92	-0.51	0.17	-0.06	-0.24	-0.38	-0.13	-1.69	-0.35	Total Return %
	-0.62	3.22	2.29	-0.97	0.73	2.09	0.85	1.84	-3.12	-1.44	+/- Benchmark
	68	4	8	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	
	-5.61	-2.29	3.90	4.11	4.11	5.90	Fund Return %
	-5.26	-0.86	4.72	4.68	4.49	4.79	Benchmark Return %
	-4.17	0.41	4.56	4.02	4.09	-	Category Average %
	80	88	68	49	45	-	% Rank in Category
	197	193	178	167	116	-	# 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%

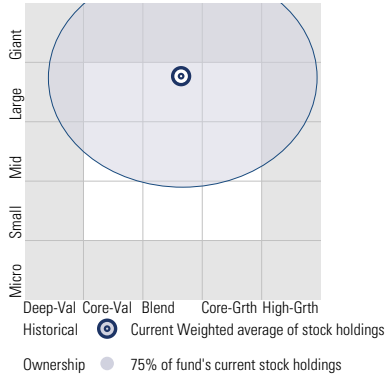
**Morningstar Index**

Morningstar US Con Tgt Alloc NR USD

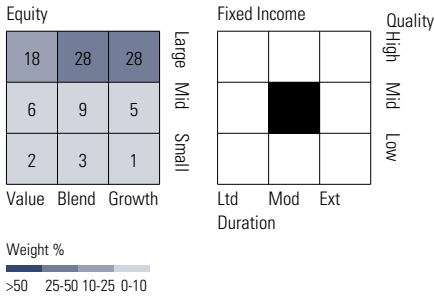
Equity

## Style Analysis as of 03-31-2022

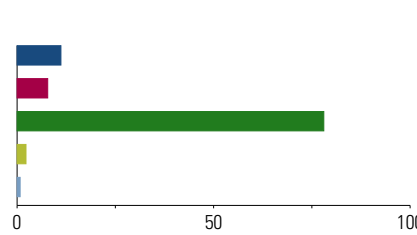
Morningstar Style Box™



## Style Breakdown

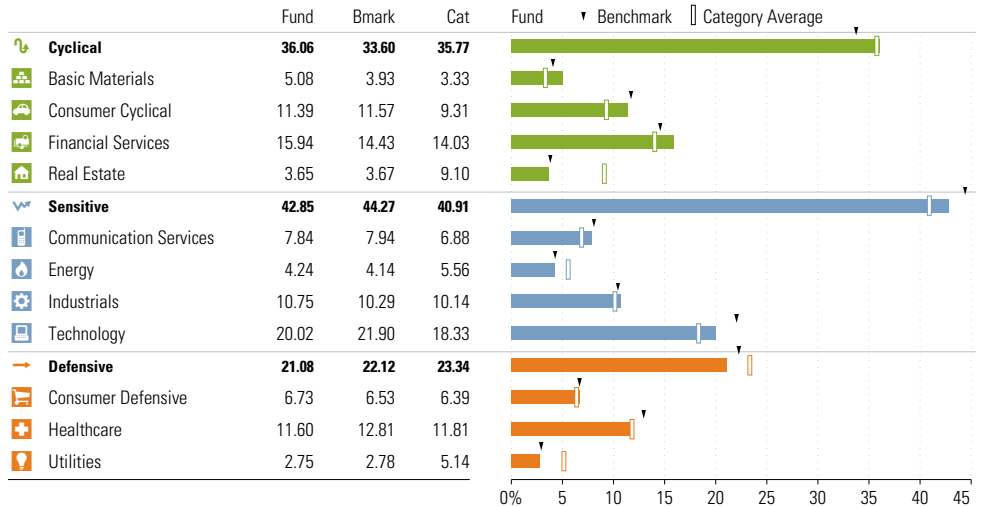


## Asset Allocation as of 03-31-2022



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.

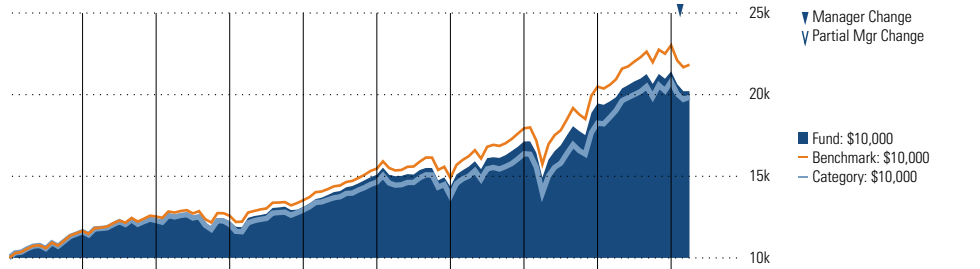
## Morningstar Investment Management LLC Analysis

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

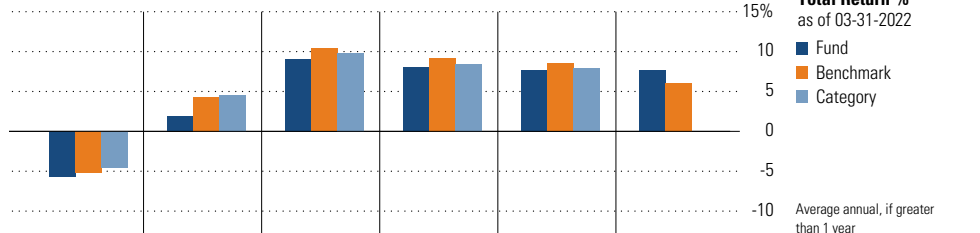
Metric	Rating	Updated
Sustainability Rating	3	02-28-2022
ESG Commitment	1-Low	02-15-2022
Carbon Risk Score	Low Risk	12-31-2021

## Growth of \$10,000



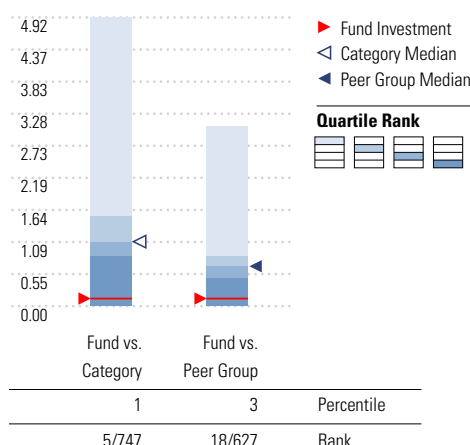
	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
											History
Total Return %	15.04	7.07	-0.57	7.13	15.04	-4.91	19.37	13.59	10.08	-5.66	
+/- Benchmark	-1.49	-0.50	-0.93	-0.47	0.76	-1.25	-0.96	-0.67	-2.29	-0.49	
+/- Category	-1.44	0.86	1.36	-0.21	1.83	0.85	0.14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

## Trailing Performance



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

## 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%

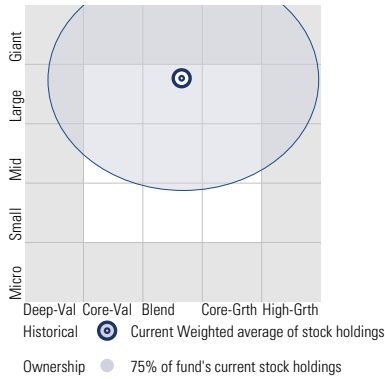
**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

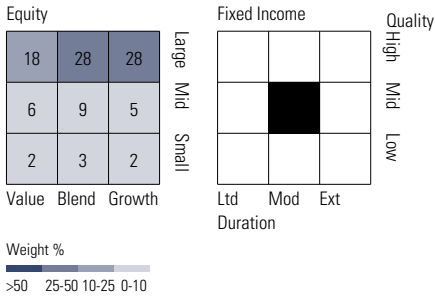
Equity

## Style Analysis as of 03-31-2022

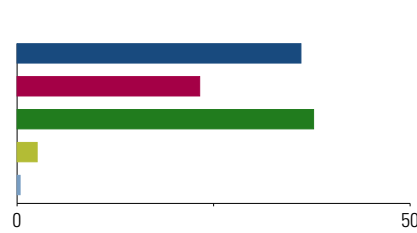
Morningstar Style Box™



## Style Breakdown

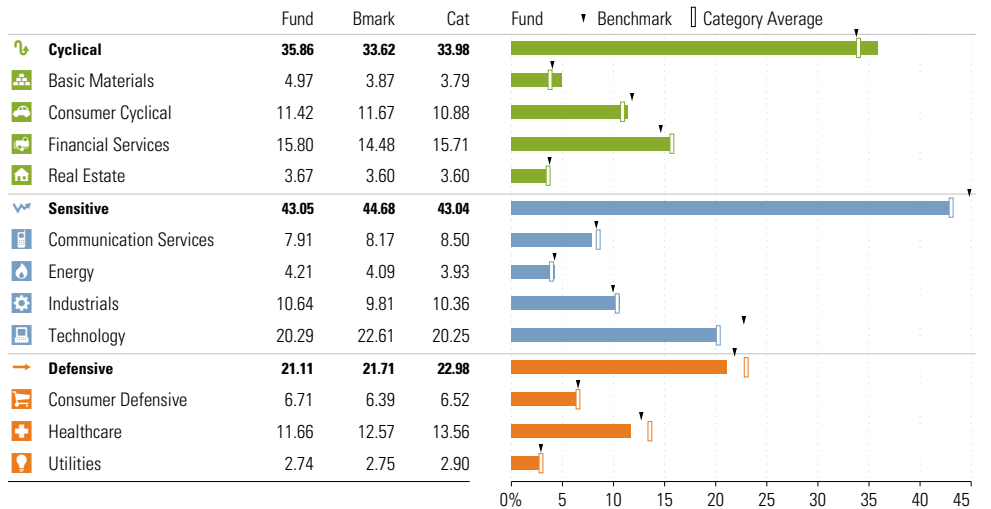


## Asset Allocation as of 03-31-2022



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 Growth Index Admiral VMGMX

**Morningstar Category**  
Mid-Cap Growth

**Morningstar Index**  
Russell Mid Cap Growth TR USD

## Portfolio Manager(s)

Donald Butler since 02-2013  
Awais Khan since 07-2021

## Quantitative Screens

- Performance:** The fund has finished in the Mid-Cap Growth category's top three quartiles in 10 of the 10 years it's been in existence.
- Management:** The fund's management has been in place for 9.11 years.
- Style:** The fund has landed in its primary style box — Mid-Cap Growth — 100 % of the time over the past three years.
- Net Expense:** The fund's expense ratio of 0.07 is 93.4% lower than the Mid-Cap Growth category average.

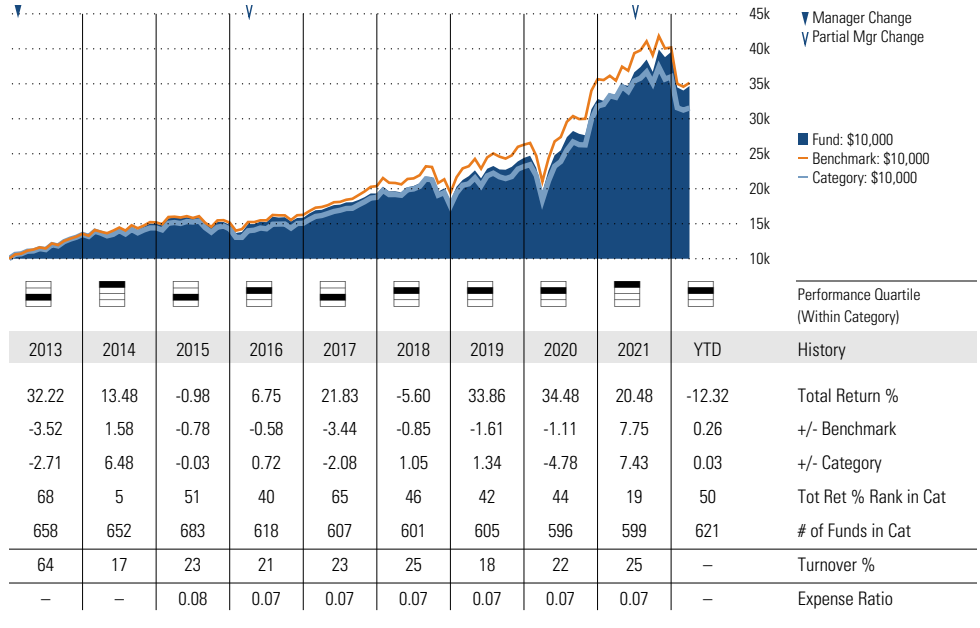
## Morningstar Investment Management LLC Analysis

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

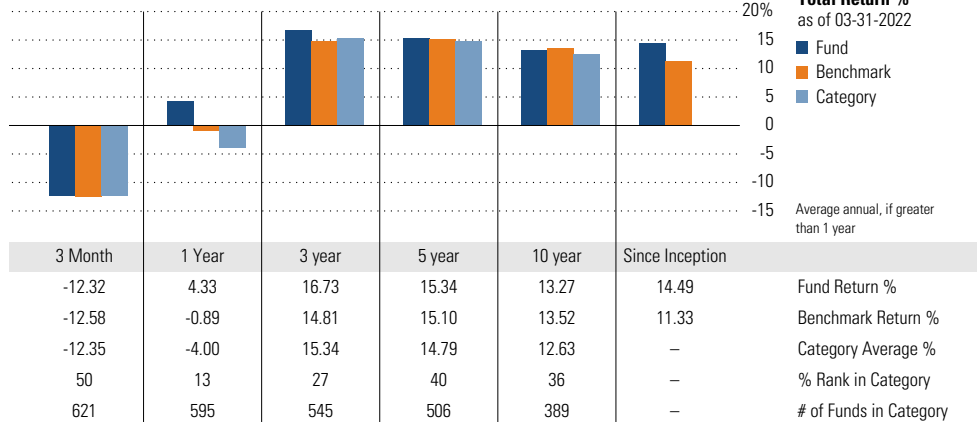
## ESG Metrics

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

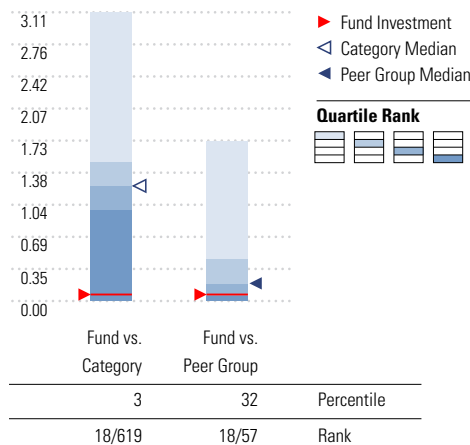
## Growth of \$10,000



## 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

Metric	Fund	Bmark	Cat
Alpha	2.02	-	0.91
Beta	0.97	-	0.98
R-Squared	98.34	-	90.26
Standard Deviation	21.03	21.40	22.33
Sharpe Ratio	0.81	0.72	0.72
Tracking Error	2.76	-	6.93
Information Ratio	0.69	-	-0.02
Up Capture Ratio	100.88	-	100.70
Down Capture Ratio	93.53	-	99.24

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	32.58	27.52	30.48
Price/Book Ratio	5.47	7.96	5.40
Geom Avg Mkt Cap \$B	26.87	21.62	17.68
ROE	15.50	20.91	18.85

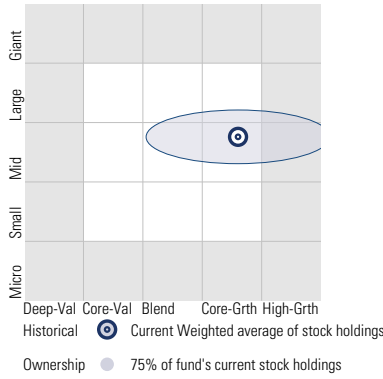
# Vanguard Mid-Cap Growth Index Admiral VMGMX

**Morningstar Category**  
Mid-Cap Growth

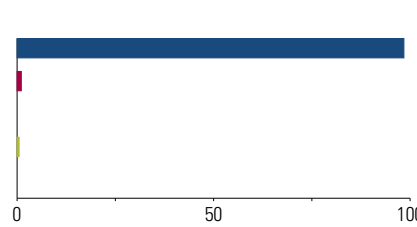
**Morningstar Index**  
Russell Mid Cap Growth TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™



## Asset Allocation as of 03-31-2022

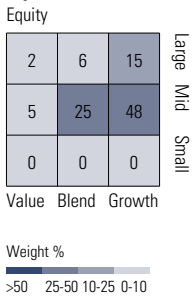


Asset Class	Net %	Cat%
US Stocks	98.42	94.18
Non-US Stocks	1.07	3.57
Bonds	0.00	0.07
Cash	0.51	1.90
Other	0.00	0.29
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>26.41</b>	<b>26.12</b>	<b>30.01</b>			
Basic Materials	2.98	1.83	2.40			
Consumer Cyclical	11.28	16.32	14.22			
Financial Services	5.59	5.30	9.82			
Real Estate	6.56	2.67	3.57			
<b>Sensitive</b>	<b>54.92</b>	<b>55.05</b>	<b>48.70</b>			
Communication Services	5.89	3.84	3.48			
Energy	3.67	2.51	1.58			
Industrials	12.48	14.76	14.13			
Technology	32.88	33.94	29.51			
<b>Defensive</b>	<b>18.68</b>	<b>18.84</b>	<b>21.29</b>			
Consumer Defensive	1.23	2.10	2.11			
Healthcare	17.45	16.55	18.67			
Utilities	0.00	0.19	0.51			

## Style Breakdown



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Synopsys Inc	1.52	1.52	-9.56	Technology
⊖ DexCom Inc	1.48	3.00	-4.72	Healthcare
⊖ Centene Corp	1.46	4.46	2.17	Healthcare
⊖ Cadence Design Systems Inc	1.36	5.82	-11.75	Technology
⊖ Amphenol Corp Class A	1.34	7.16	-13.62	Technology
⊖ IQVIA Holdings Inc	1.31	8.48	-18.05	Healthcare
⊖ Microchip Technology Inc	1.24	9.72	-13.40	Technology
⊕ Realty Income Corp	1.22	10.94	-2.17	Real Estate
⊖ Digital Realty Trust Inc	1.20	12.14	-19.14	Real Estate
⊖ Devon Energy Corp	1.17	13.31	36.50	Energy
⊖ MSCI Inc	1.16	14.47	-17.75	Financial Services
⊕ Cintas Corp	1.12	15.59	-3.80	Industrials
⊖ SBA Communications Corp	1.11	16.70	-11.36	Real Estate
⊖ Datadog Inc Class A	1.10	17.80	-14.96	Technology
⊖ Waste Connections Inc	1.07	18.88	2.69	Industrials

**Total Holdings 185**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Mid-Cap Value Index Admiral VMVAX

**Morningstar Category**  
Mid-Cap Value

**Morningstar Index**  
Russell Mid Cap Value TR USD

## Portfolio Manager(s)

Donald Butler since 08-2006  
Awais Khan since 07-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 15.63 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.07 is 92.93% lower than the Mid-Cap Value category average.

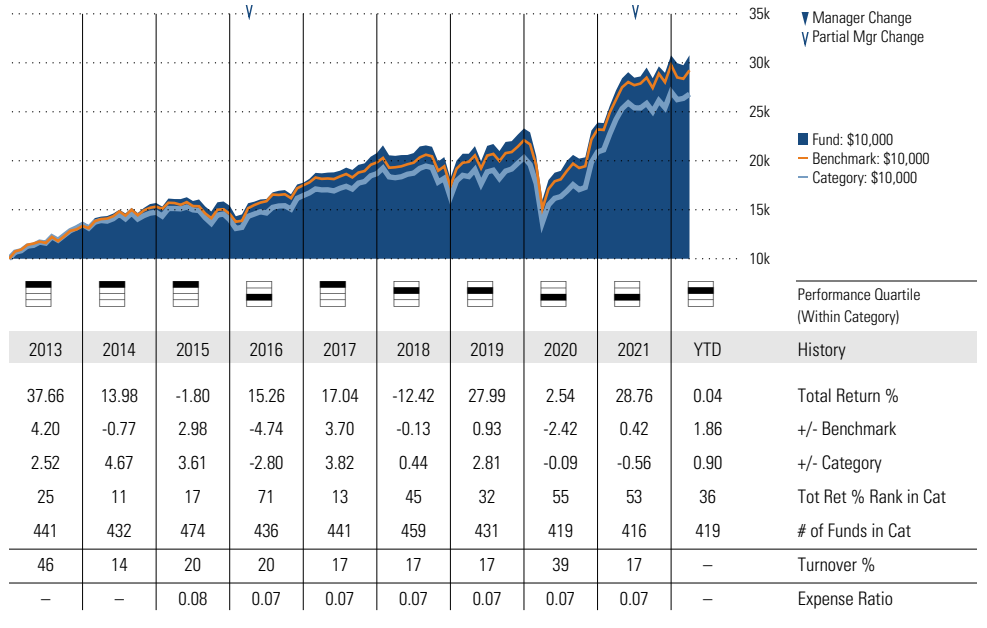
## Morningstar Investment Management LLC Analysis

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

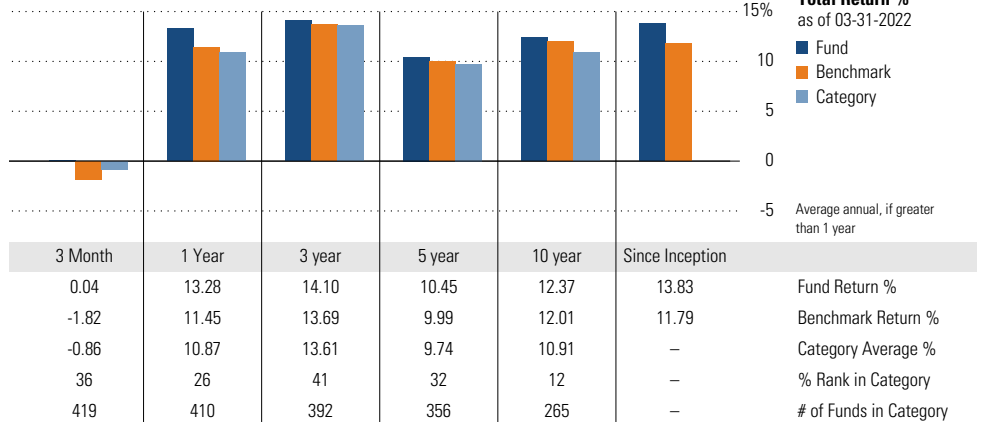
## ESG Metrics

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

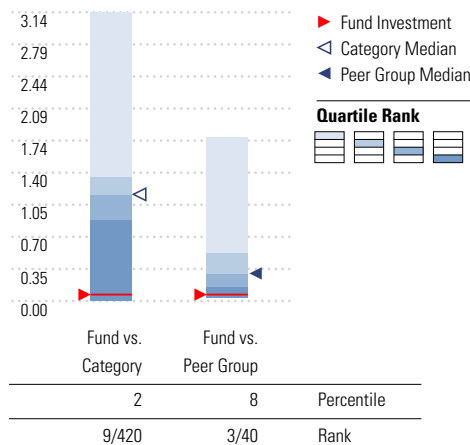
## Growth of \$10,000



## 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	0.65	-	-0.43
Beta	0.98	-	1.02
R-Squared	98.98	-	95.69
Standard Deviation	21.51	21.94	22.90
Sharpe Ratio	0.69	0.67	0.64
Tracking Error	2.24	-	5.20
Information Ratio	0.18	-	-0.09
Up Capture Ratio	99.10	-	100.60
Down Capture Ratio	96.96	-	102.56

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.34	16.83	14.66
Price/Book Ratio	2.38	2.34	2.05
Geom Avg Mkt Cap \$B	23.98	18.60	14.12
ROE	18.56	16.32	17.32

# Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category

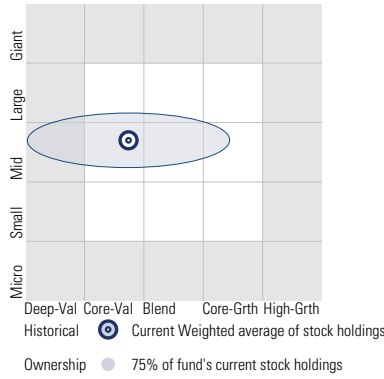
Mid-Cap Value

Morningstar Index

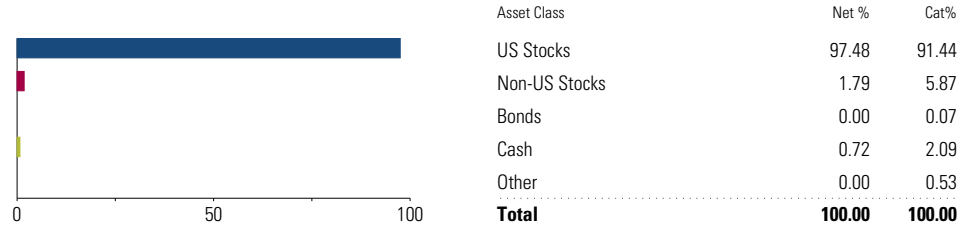
Russell Mid Cap Value TR USD

## Style Analysis as of 03-31-2022

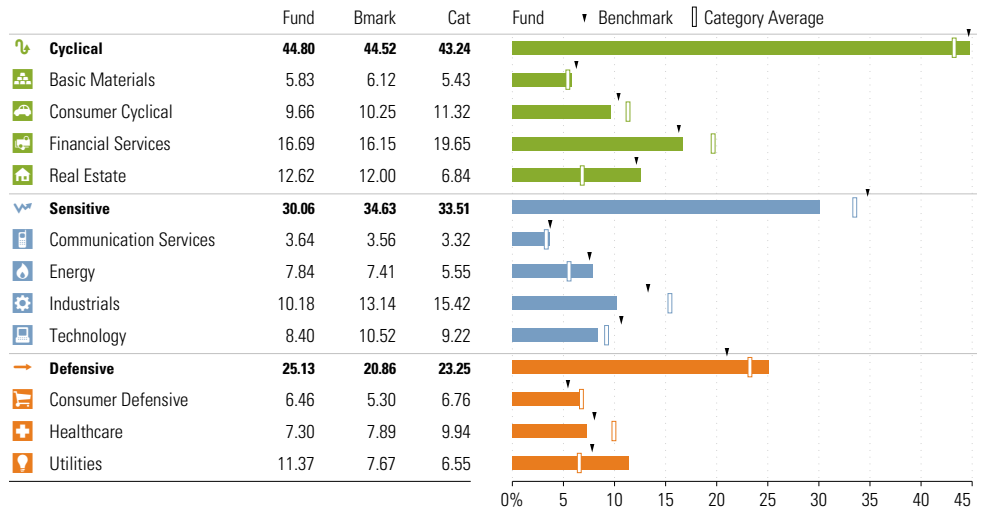
Morningstar Style Box™



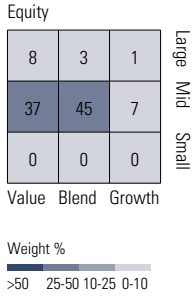
## Asset Allocation as of 03-31-2022



## 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
⊕ Occidental Petroleum Corp	1.39	1.39	96.17	Energy
⊕ Welltower Inc	1.19	2.58	12.80	Real Estate
⊕ Nucor Corp	1.18	3.76	30.66	Basic Materials
⊖ Corvea Inc	1.16	4.91	21.87	Basic Materials
⊕ Valero Energy Corp	1.15	6.06	36.49	Energy
⊖ Motorola Solutions Inc	1.13	7.19	-10.57	Technology
⊖ Carrier Global Corp Ordinary Shares	1.09	8.28	-15.43	Industrials
⊖ The Kroger Co	1.05	9.33	27.22	Consumer Defensive
⊕ Arthur J. Gallagher & Co	1.01	10.33	3.21	Financial Services
⊕ Dollar Tree Inc	1.00	11.33	13.97	Consumer Defensive
⊕ AvalonBay Communities Inc	0.96	12.29	-1.04	Real Estate
⊕ Ameriprise Financial Inc	0.93	13.22	-0.06	Financial Services
⊕ Consolidated Edison Inc	0.93	14.15	11.90	Utilities
⊕ International Flavors & Fragrances Inc	0.92	15.07	-12.30	Basic Materials
⊕ Baker Hughes Co Class A	0.91	15.99	52.08	Energy

**Total Holdings 210**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

**Morningstar Index**  
S&P United States REIT TR USD

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 25.9 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 88.57% lower than the Real Estate category average.

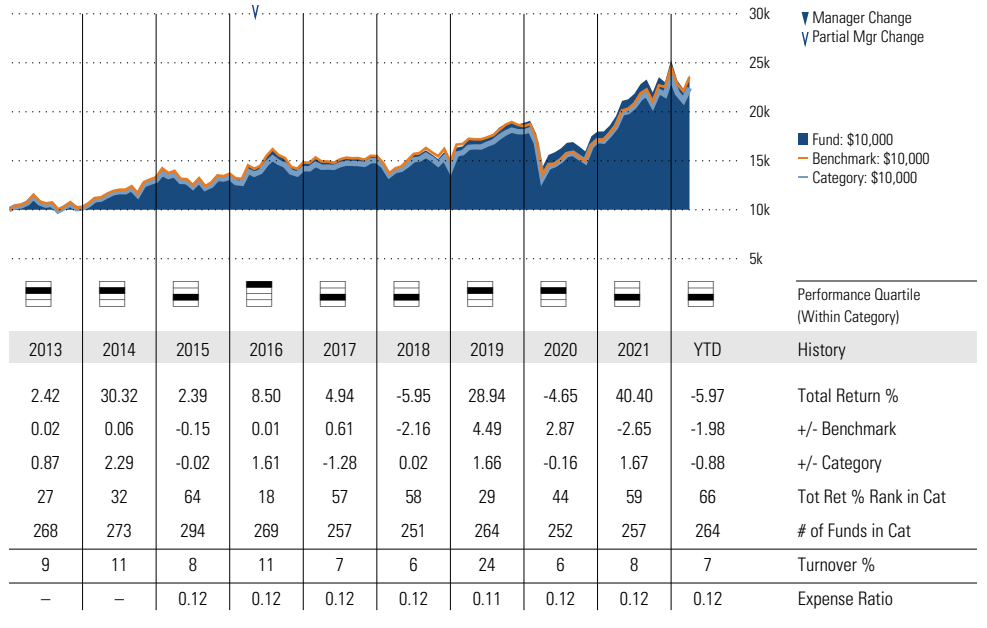
## Morningstar Investment Management LLC Analysis

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

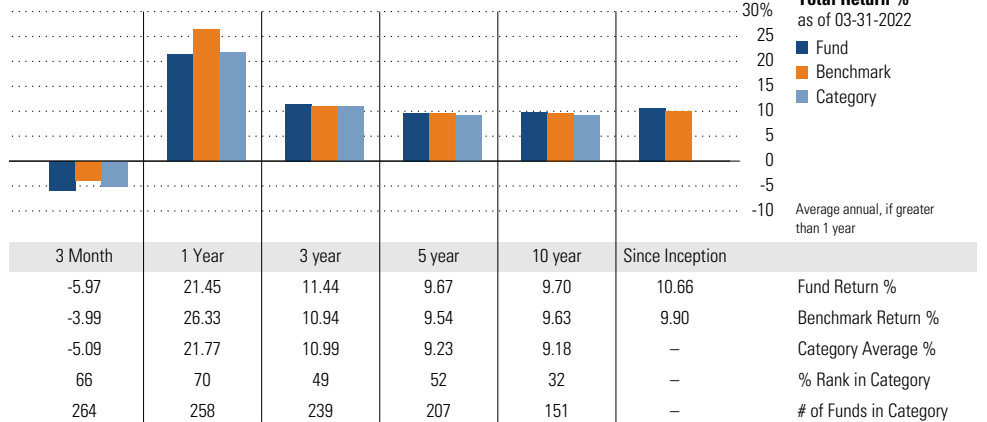
## ESG Metrics

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

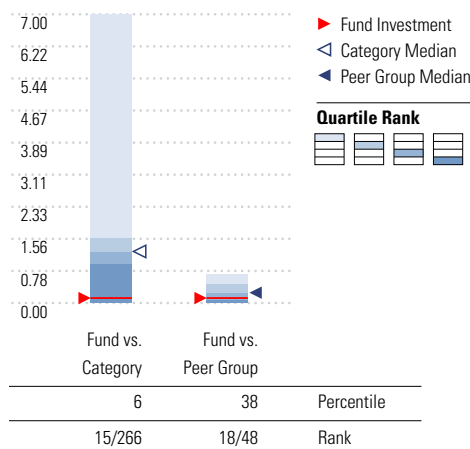
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	0.89	-	1.24
Beta	0.95	-	0.93
R-Squared	98.17	-	92.56
Standard Deviation	19.08	19.90	19.32
Sharpe Ratio	0.63	0.59	0.65
Tracking Error	2.77	-	5.15
Information Ratio	0.18	-	0.19
Up Capture Ratio	99.01	-	97.39
Down Capture Ratio	96.26	-	93.78

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	32.34	38.46	32.27
Price/Book Ratio	2.98	2.42	3.33
Geom Avg Mkt Cap \$B	23.92	9.35	28.10
ROE	15.30	9.56	16.07

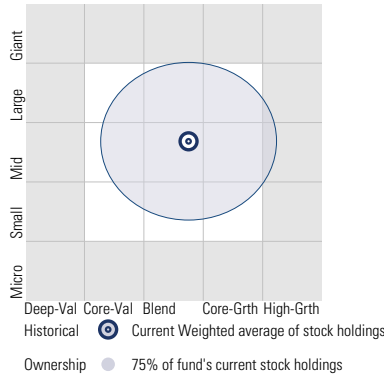
# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

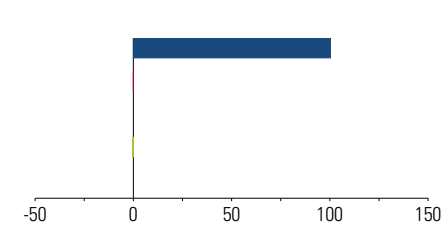
**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 03-31-2022

Morningstar Style Box™



## Asset Allocation as of 03-31-2022

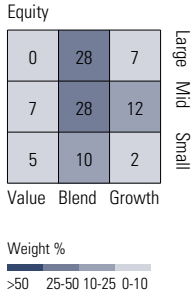


Asset Class	Net %	Cat%
US Stocks	100.29	85.77
Non-US Stocks	0.05	1.76
Bonds	0.00	3.26
Cash	-0.34	2.47
Other	0.00	6.72
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 03-31-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>99.27</b>	<b>99.13</b>	<b>98.94</b>			
Basic Materials	0.00	0.00	0.08			
Consumer Cyclical	0.00	0.13	1.64			
Financial Services	0.00	0.00	0.24			
Real Estate	99.27	99.00	96.98			
<b>Sensitive</b>	<b>0.73</b>	<b>0.87</b>	<b>1.02</b>			
Communication Services	0.73	0.00	0.28			
Energy	0.00	0.00	0.02			
Industrials	0.00	0.87	0.15			
Technology	0.00	0.00	0.57			
<b>Defensive</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>			
Consumer Defensive	0.00	0.00	0.00			
Healthcare	0.00	0.00	0.00			
Utilities	0.00	0.00	0.03			

## Style Breakdown



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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.37	11.37	-	-
⊕ Prologis Inc	6.65	18.02	-3.62	Real Estate
⊕ American Tower Corp	6.37	24.39	-14.11	Real Estate
⊕ Crown Castle International Corp	4.44	28.84	-10.86	Real Estate
⊕ Equinix Inc	3.72	32.55	-11.95	Real Estate
⊕ Public Storage	3.43	35.98	4.73	Real Estate
⊕ Simon Property Group Inc	2.35	38.33	-16.62	Real Estate
⊕ Welltower Inc	2.33	40.66	12.80	Real Estate
⊕ Digital Realty Trust Inc	2.20	42.86	-19.14	Real Estate
⊕ Realty Income Corp	2.18	45.04	-2.17	Real Estate
⊕ SBA Communications Corp	2.08	47.13	-11.36	Real Estate
⊕ AvalonBay Communities Inc	1.93	49.06	-1.04	Real Estate
⊕ Equity Residential	1.78	50.85	0.05	Real Estate
⊕ CBRE Group Inc Class A	1.71	52.55	-15.66	Real Estate
⊕ Alexandria Real Estate Equities Inc	1.65	54.20	-9.22	Real Estate

**Total Holdings 168**

⊕ 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.

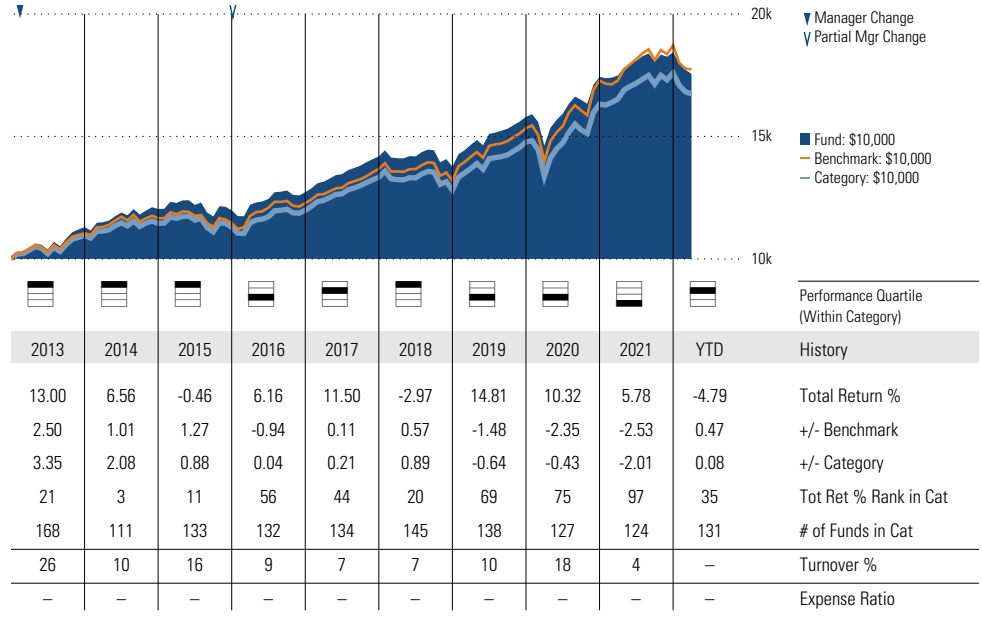
## Morningstar Investment Management LLC Analysis

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

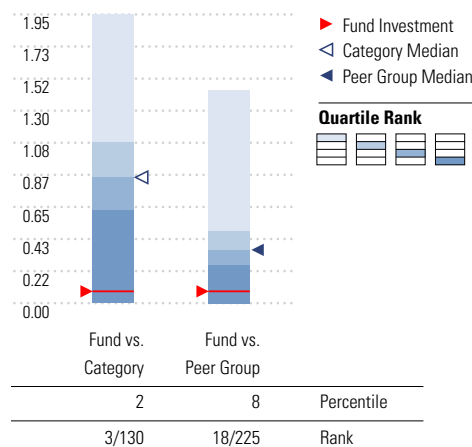
## Growth of \$10,000



## 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

	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

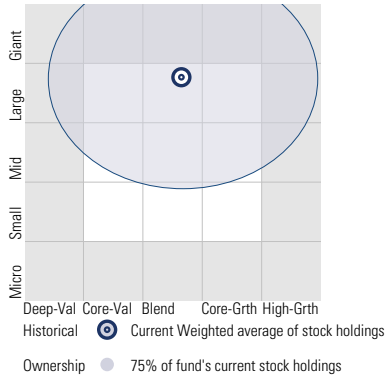
	Fund	Bmark	Cat
Price/Earnings Ratio	16.84	17.78	17.39
Price/Book Ratio	2.48	2.63	2.75
Avg Eff Duration	6.17	7.80	5.89

# Vanguard Target Retirement 2015 Fund VTXVX

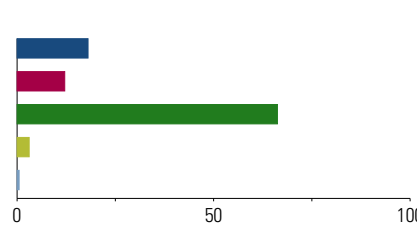
**Morningstar Category**  
Target-Date 2015

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

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

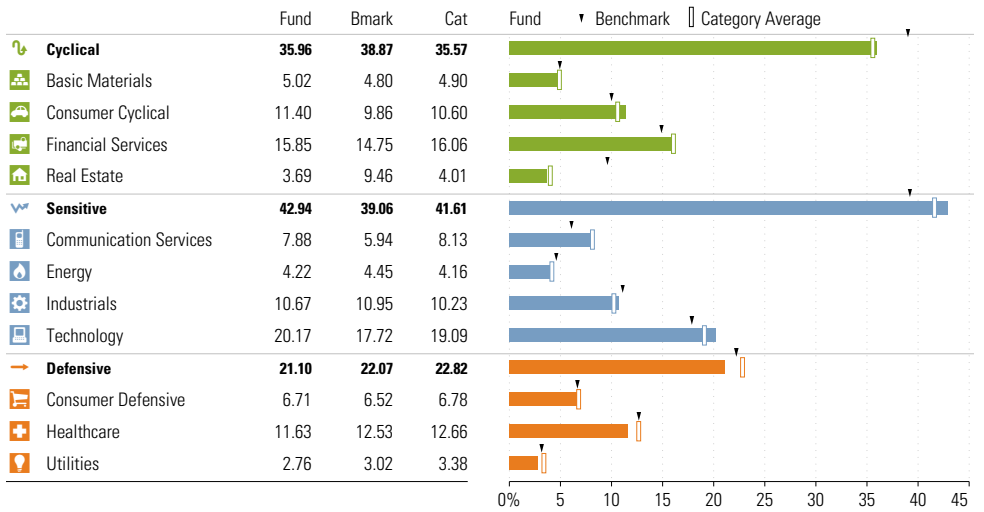


**Asset Allocation** as of 03-31-2022

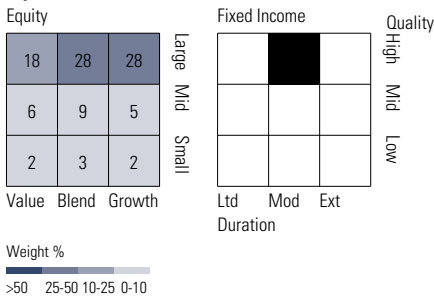


Asset Class	Net %	Cat%
US Stocks	18.05	26.62
Non-US Stocks	12.12	14.44
Bonds	66.24	48.43
Cash	3.07	6.09
Other	0.51	4.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

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



**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	—	36.03	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.

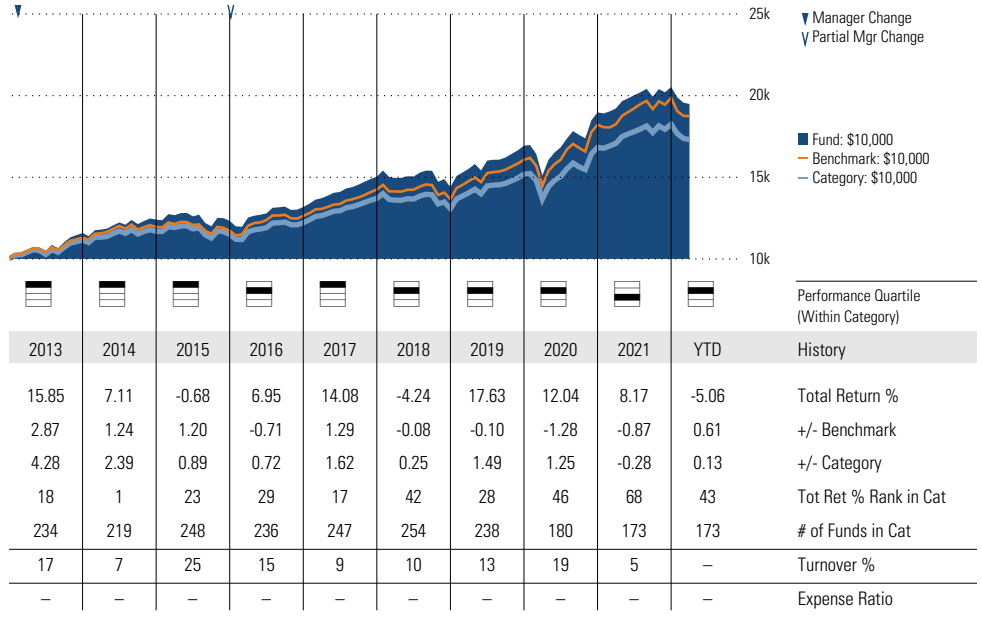
## Morningstar Investment Management LLC Analysis

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

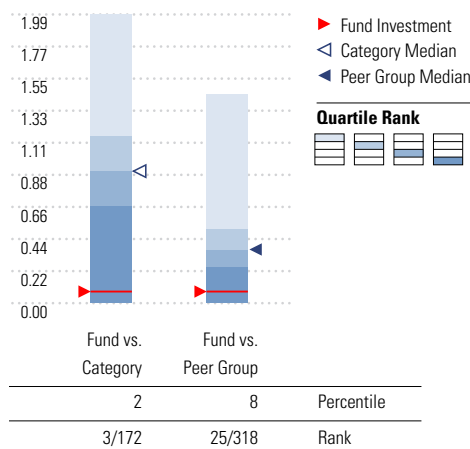
## Growth of \$10,000



## 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

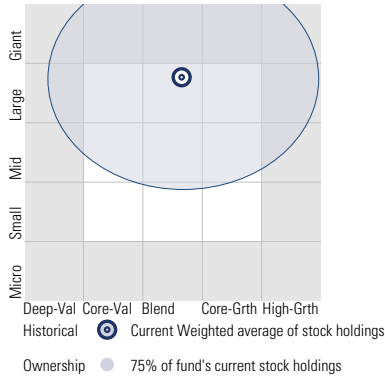
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.61	17.77
Price/Book Ratio	2.50	2.60	2.67
Avg Eff Duration	6.41	8.70	5.98

# Vanguard Target Retirement 2020 Fund VTWNX

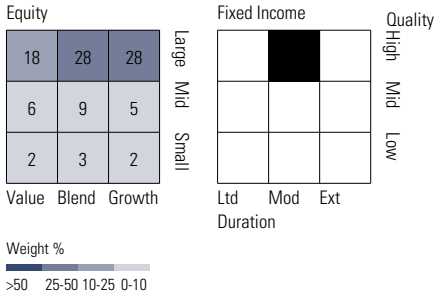
**Morningstar Category**  
Target-Date 2020

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

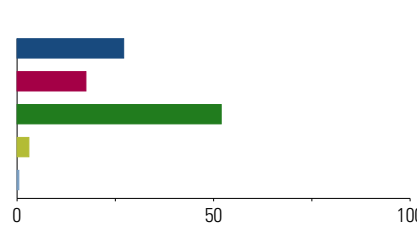
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

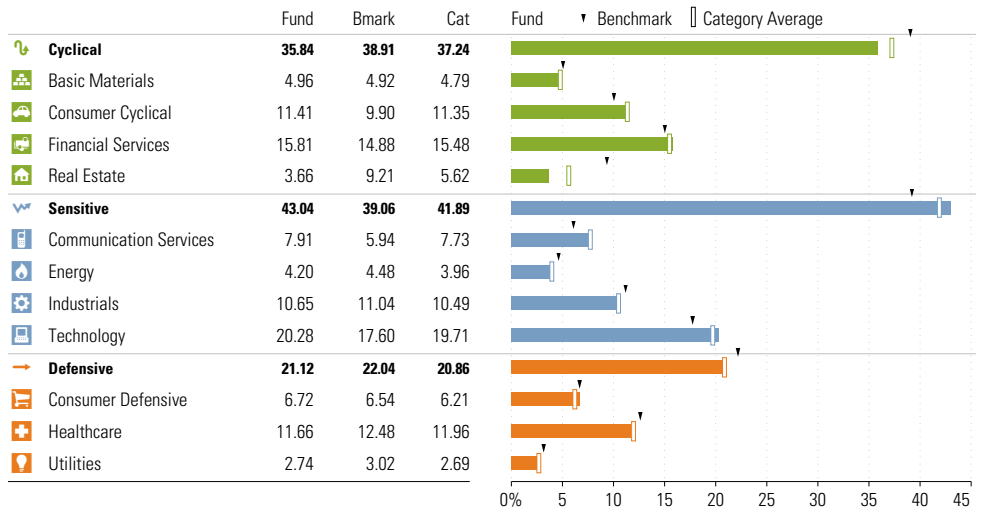


**Asset Allocation** as of 03-31-2022



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.

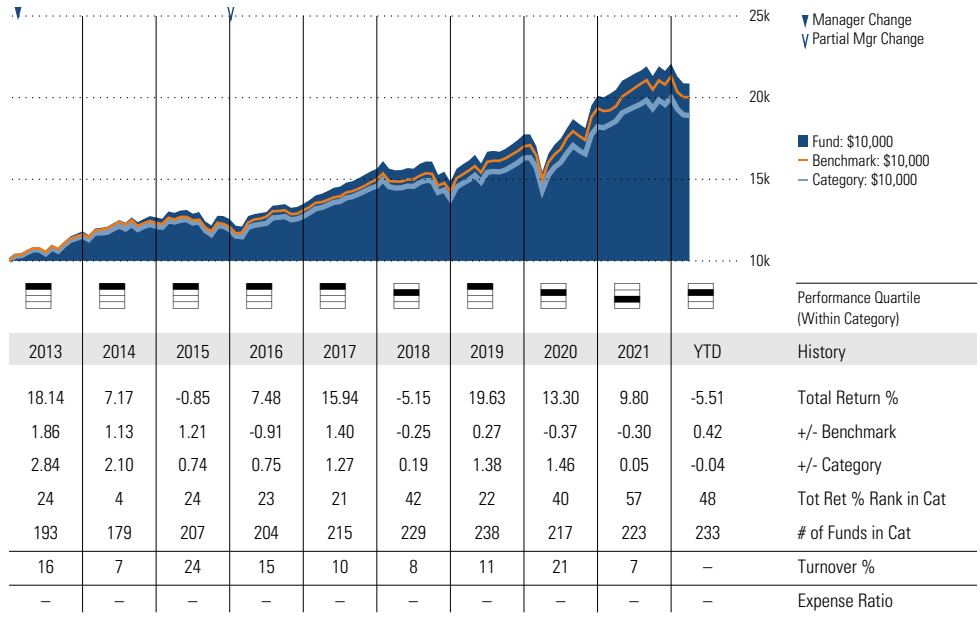
## Morningstar Investment Management LLC Analysis

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

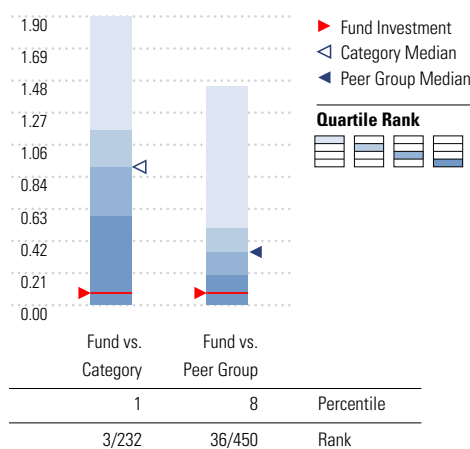
## Growth of \$10,000



## 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

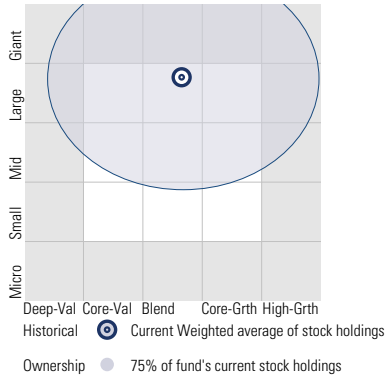
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.45	17.82
Price/Book Ratio	2.50	2.56	2.69
Avg Eff Duration	6.96	9.46	6.52

# Vanguard Target Retirement 2025 Fund VTTVX

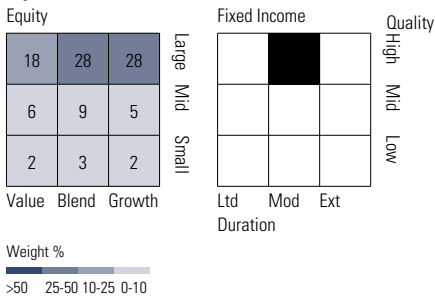
**Morningstar Category**  
Target-Date 2025

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

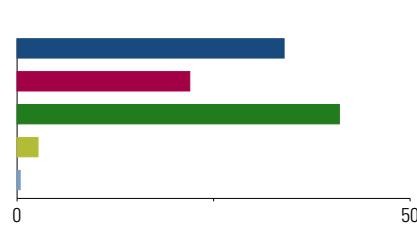
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

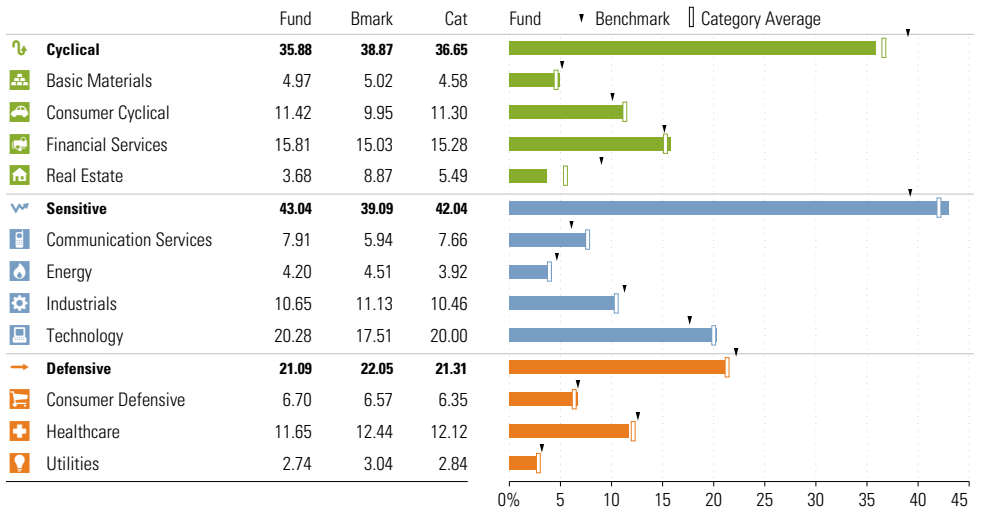


**Asset Allocation** as of 03-31-2022



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.

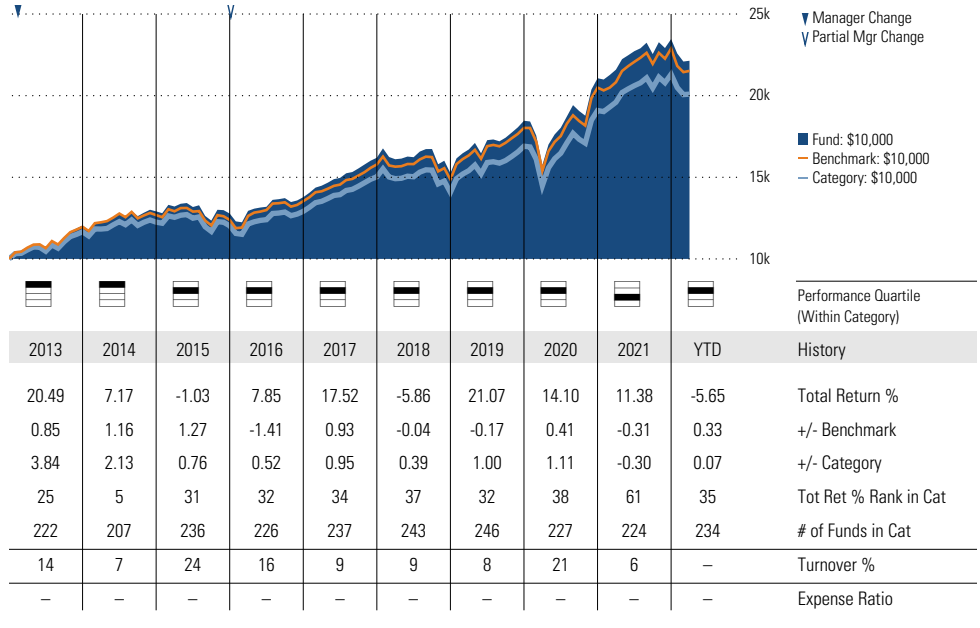
## Morningstar Investment Management LLC Analysis

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.

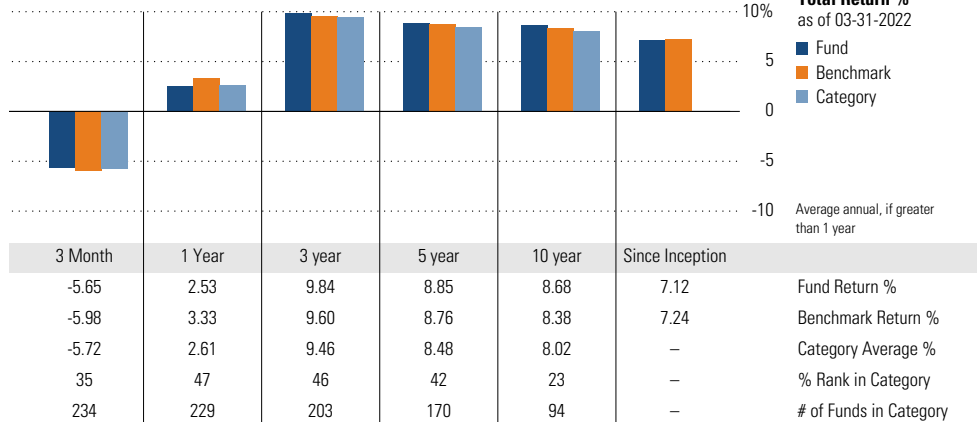
## ESG Metrics

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

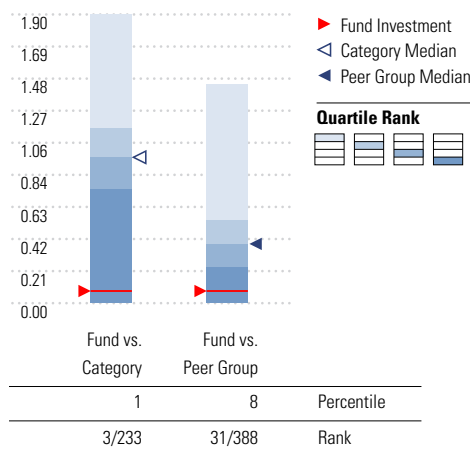
## Growth of \$10,000



## 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

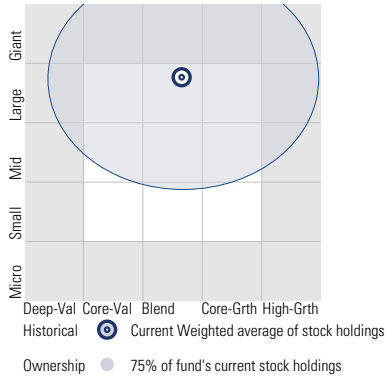
	Fund	Bmark	Cat
Price/Earnings Ratio	16.92	17.27	17.76
Price/Book Ratio	2.50	2.53	2.73
Avg Eff Duration	7.25	10.10	6.93

# Vanguard Target Retirement 2030 Fund VTHRX

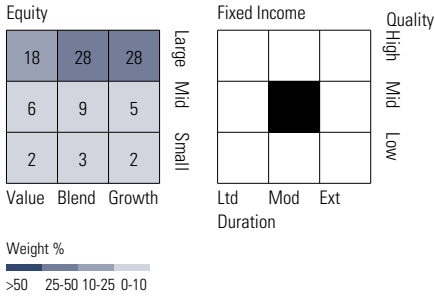
**Morningstar Category**  
Target-Date 2030

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

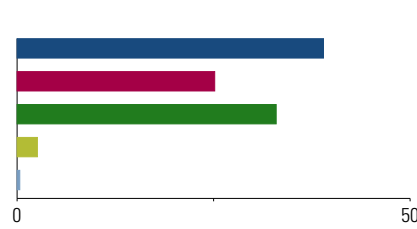
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

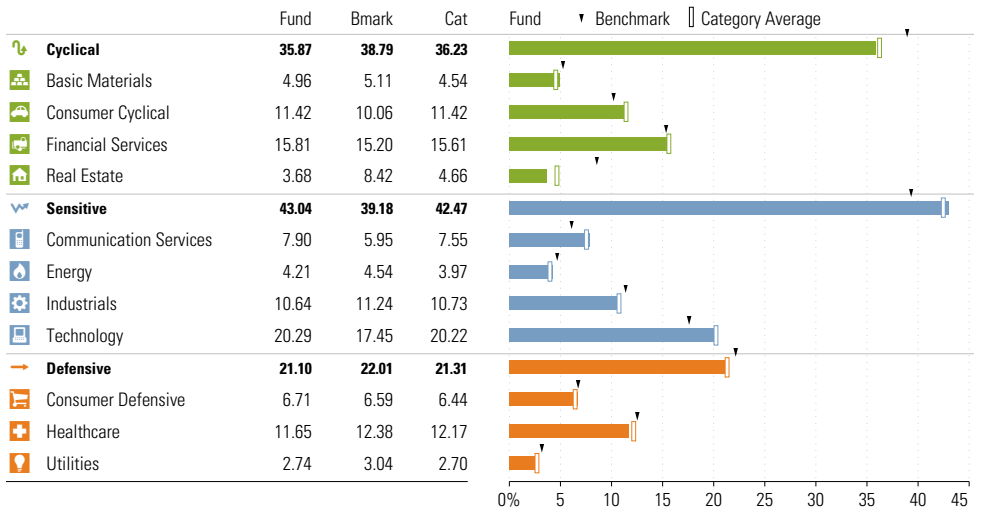


**Asset Allocation** as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	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



**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.

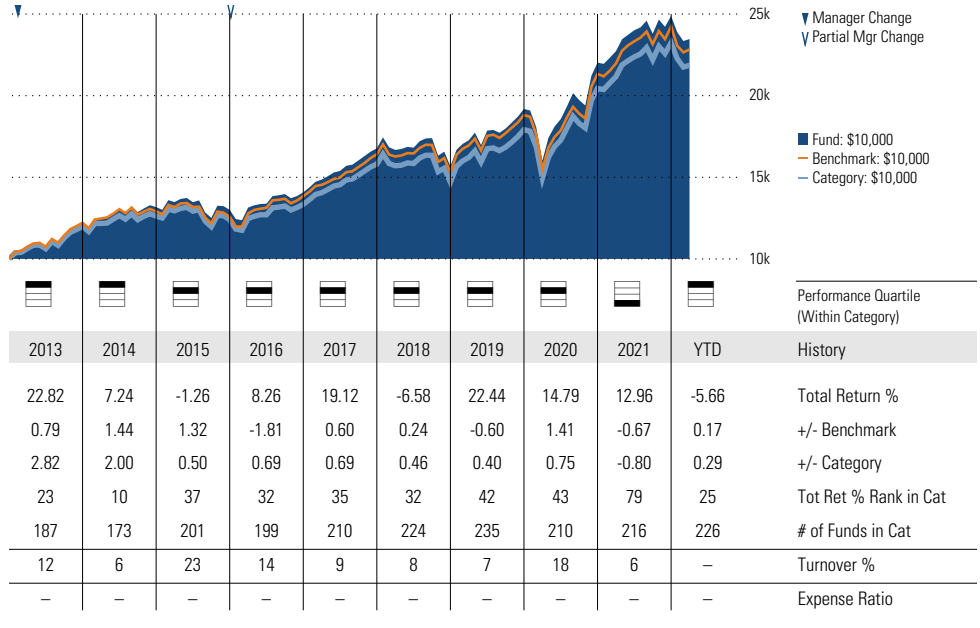
## Morningstar Investment Management LLC Analysis

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.

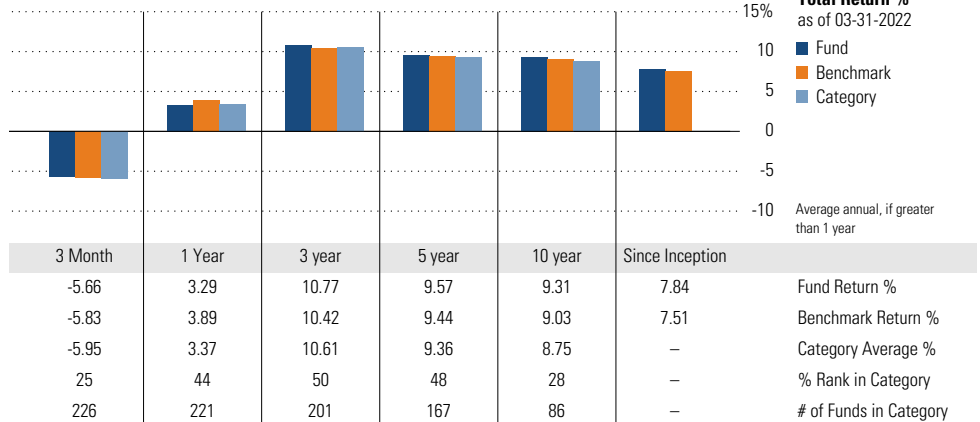
## ESG Metrics

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

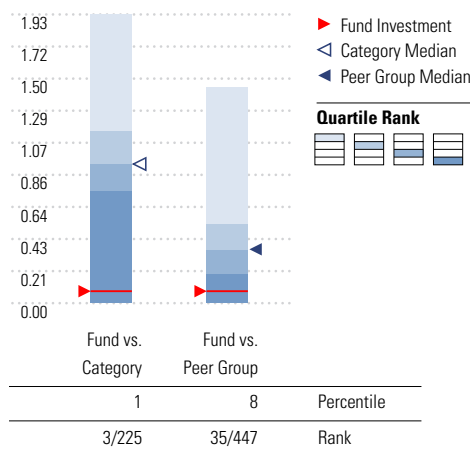
## Growth of \$10,000



## 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

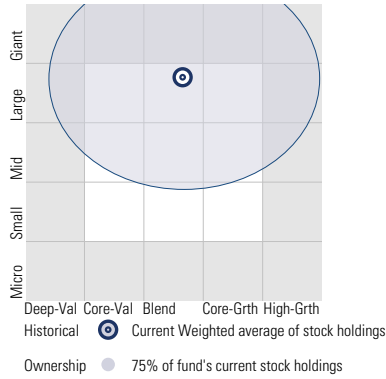
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	17.09	17.61
Price/Book Ratio	2.50	2.49	2.68
Avg Eff Duration	7.25	10.66	7.24

# Vanguard Target Retirement 2035 Fund VTTHX

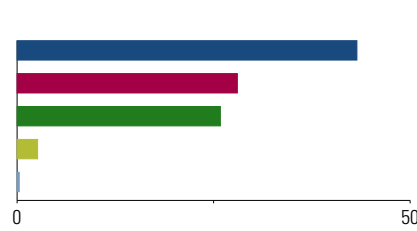
**Morningstar Category**  
Target-Date 2035

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

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

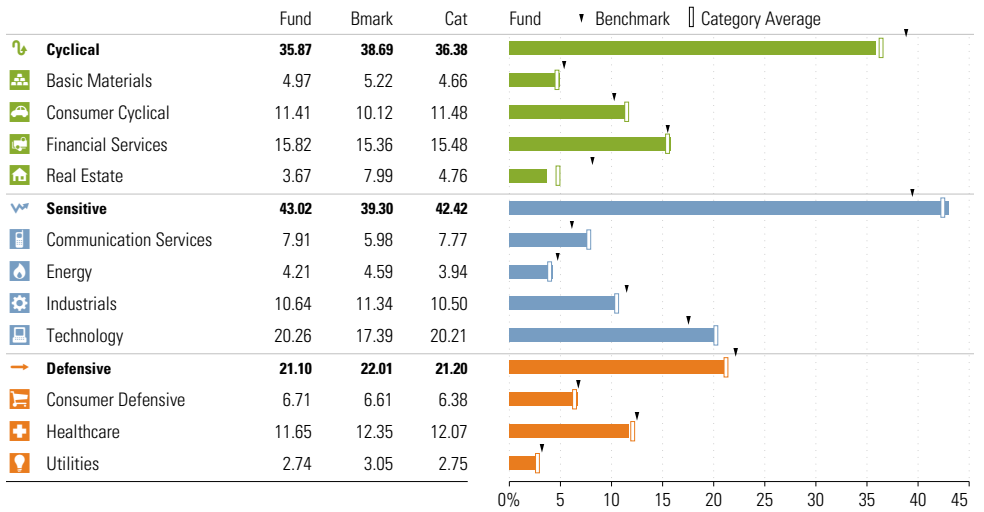


**Asset Allocation** as of 03-31-2022

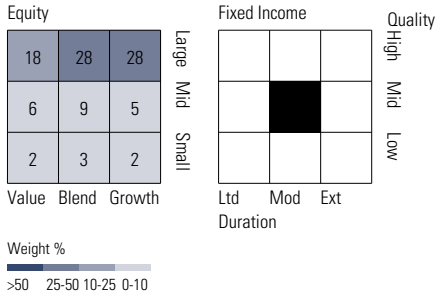


Asset Class	Net %	Cat%
US Stocks	43.23	42.95
Non-US Stocks	28.02	24.35
Bonds	25.86	20.27
Cash	2.61	2.59
Other	0.27	9.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**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.

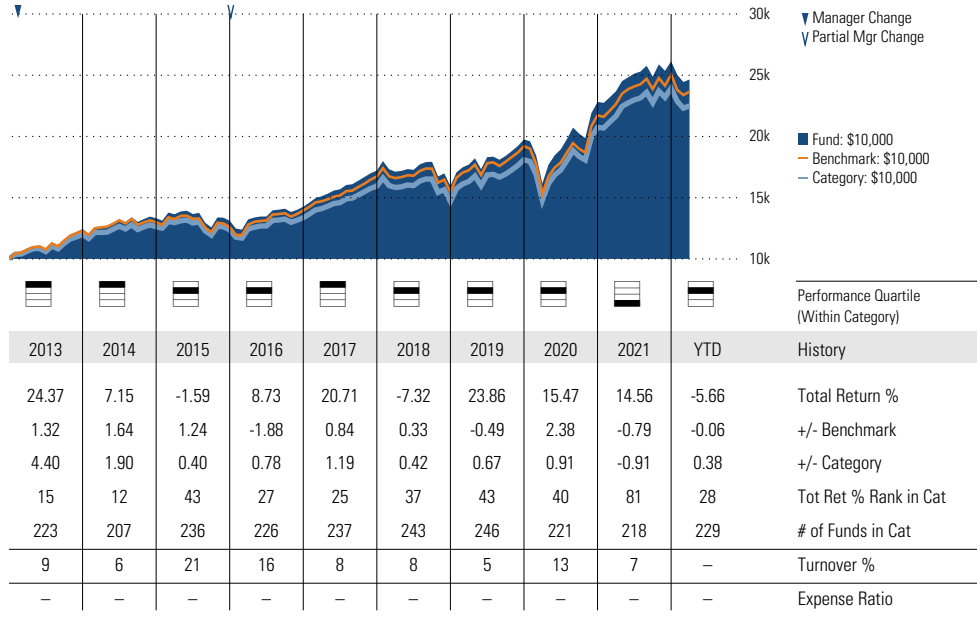
## Morningstar Investment Management LLC Analysis

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.

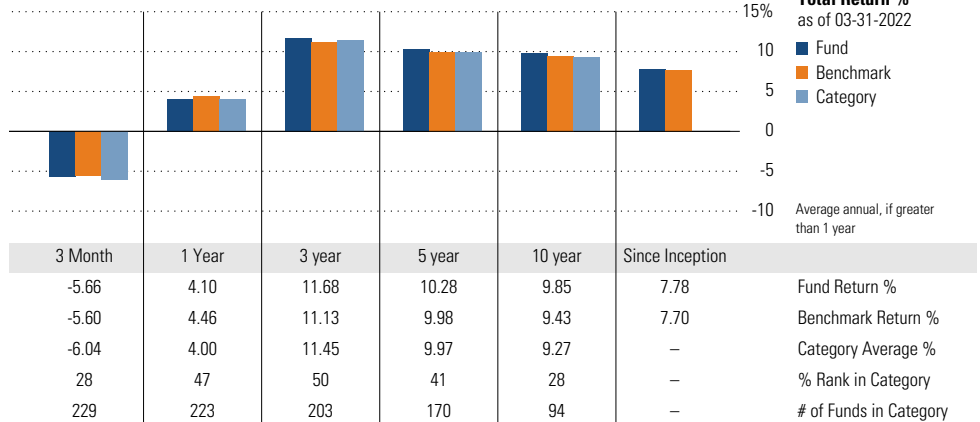
## ESG Metrics

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

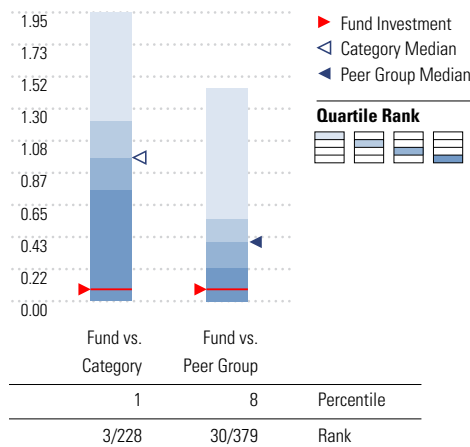
## Growth of \$10,000



## 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

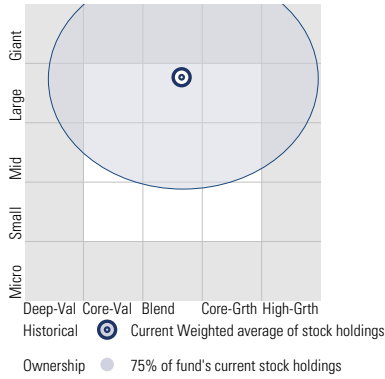
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.93	17.52
Price/Book Ratio	2.50	2.46	2.66
Avg Eff Duration	7.25	11.14	7.50

# Vanguard Target Retirement 2040 Fund VFORX

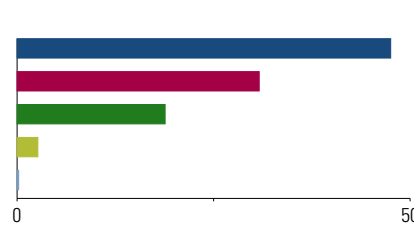
**Morningstar Category**  
Target-Date 2040

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

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

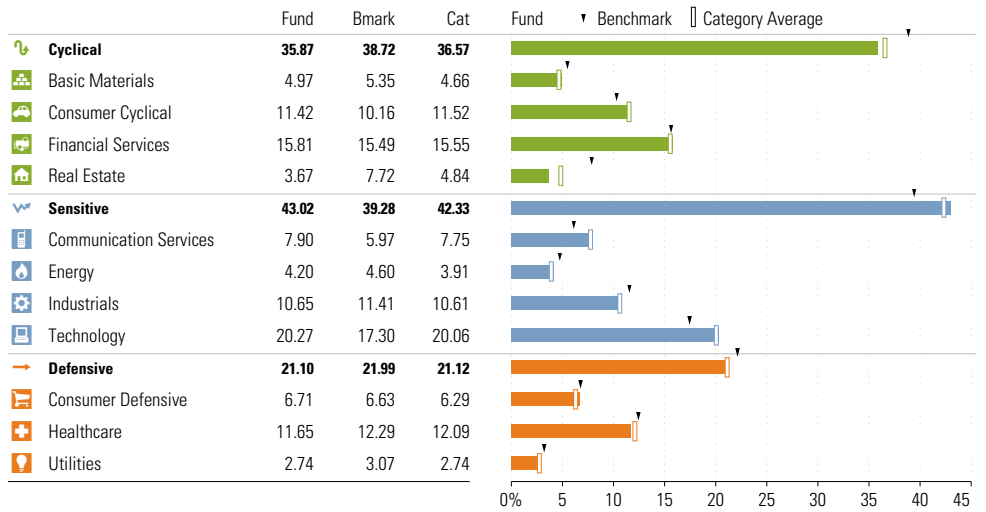


**Asset Allocation** as of 03-31-2022

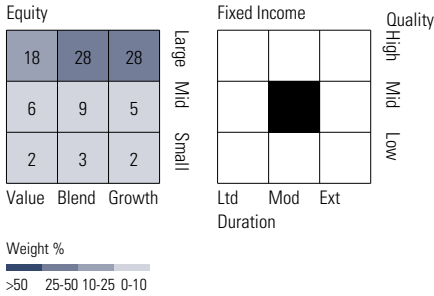


Asset Class	Net %	Cat%
US Stocks	47.53	48.66
Non-US Stocks	30.80	28.01
Bonds	18.83	12.89
Cash	2.64	2.05
Other	0.20	8.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

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



**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	-	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.

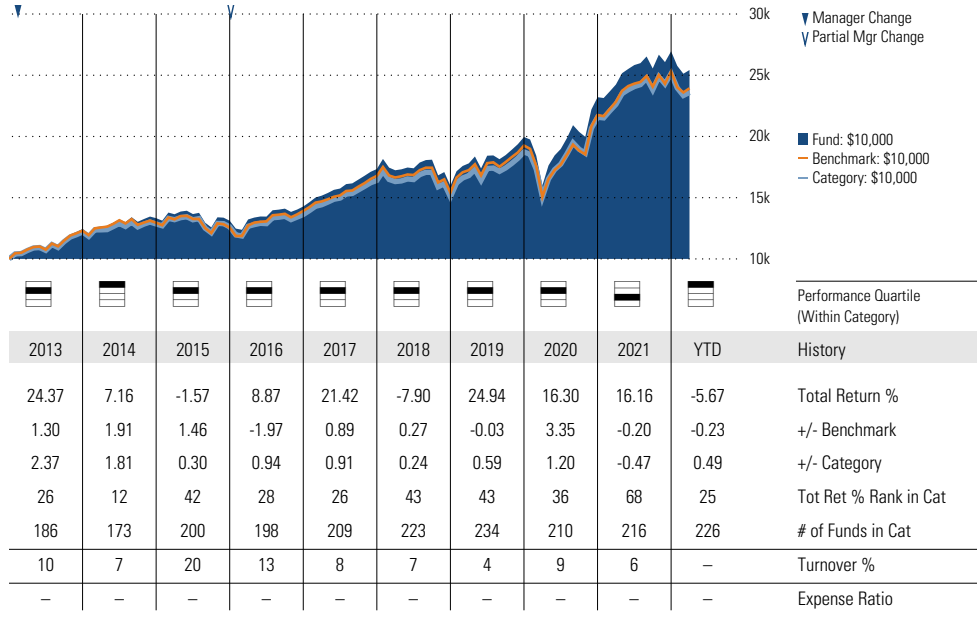
## Morningstar Investment Management LLC Analysis

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.

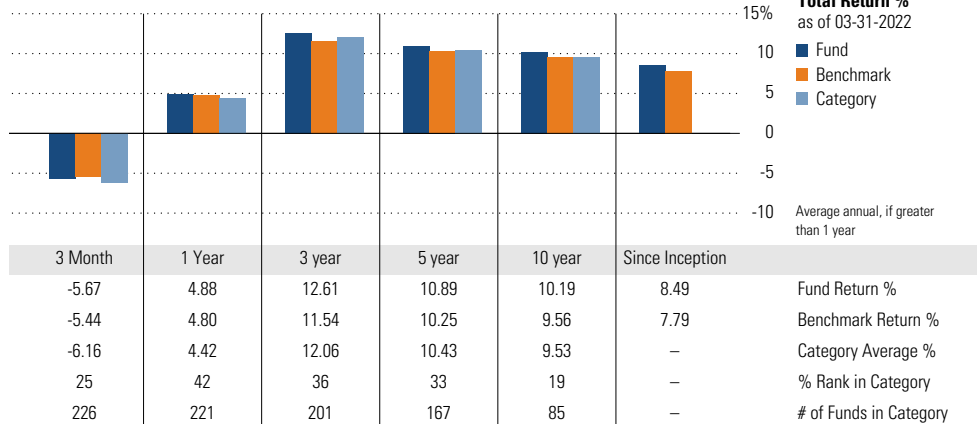
## ESG Metrics

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

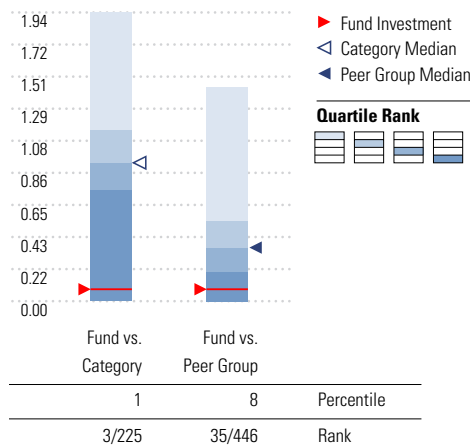
## Growth of \$10,000



## 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

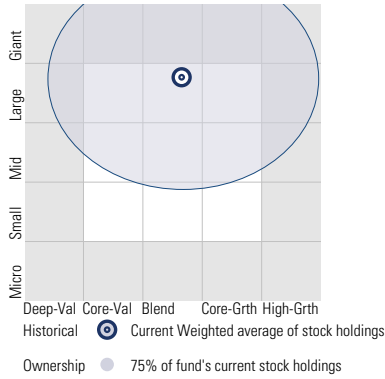
	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.80	17.62
Price/Book Ratio	2.50	2.43	2.65
Avg Eff Duration	7.25	11.57	7.28

# Vanguard Target Retirement 2045 Fund VTIVX

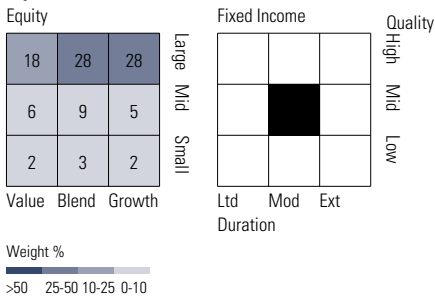
**Morningstar Category**  
Target-Date 2045

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

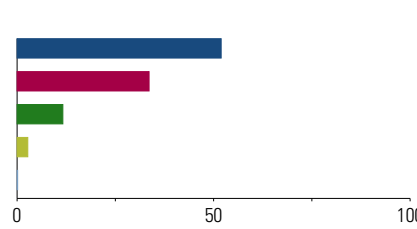
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

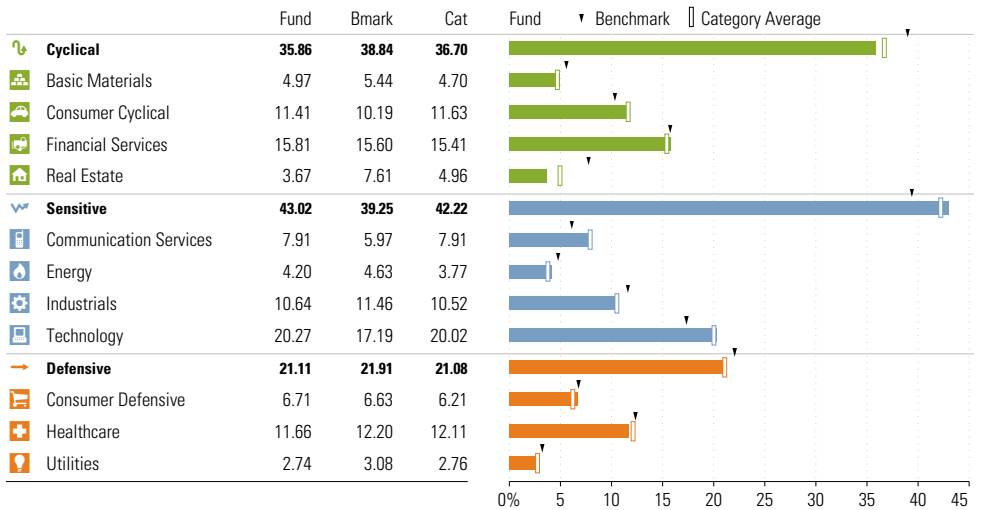


**Asset Allocation** as of 03-31-2022



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



**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 VFI5X

**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.

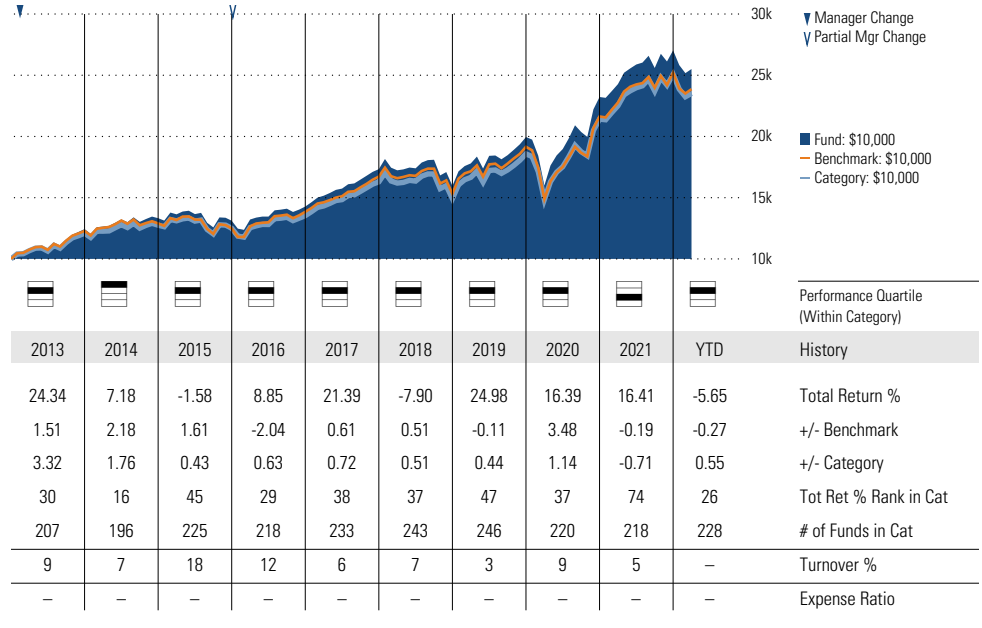
## Morningstar Investment Management LLC Analysis

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.

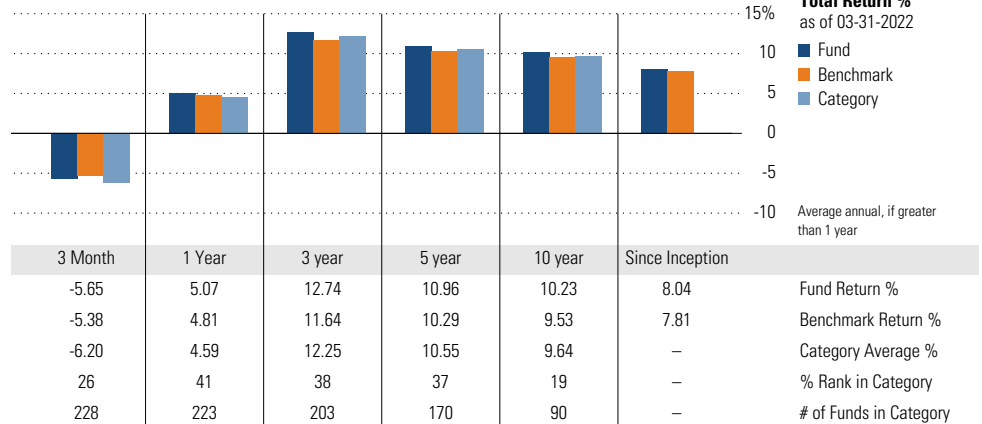
## ESG Metrics

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

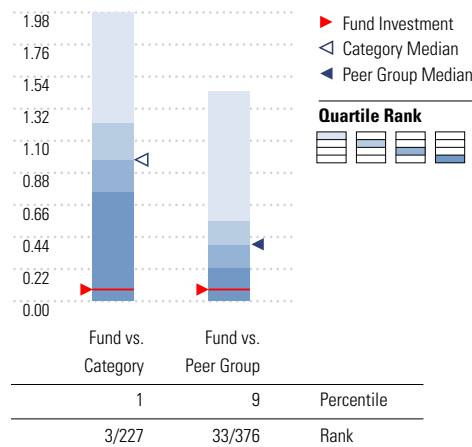
## Growth of \$10,000



## 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

Metric	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

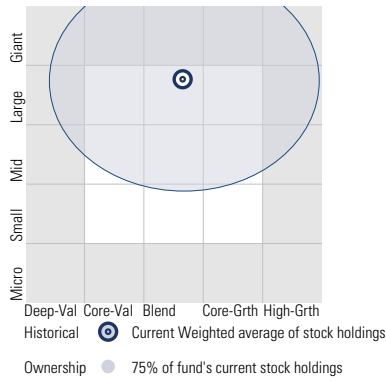
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	16.68	17.57
Price/Book Ratio	2.50	2.41	2.64
Avg Eff Duration	7.26	-	6.69

# Vanguard Target Retirement 2050 Fund VFIIX

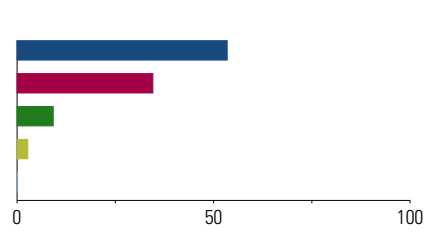
**Morningstar Category**  
Target-Date 2050

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

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

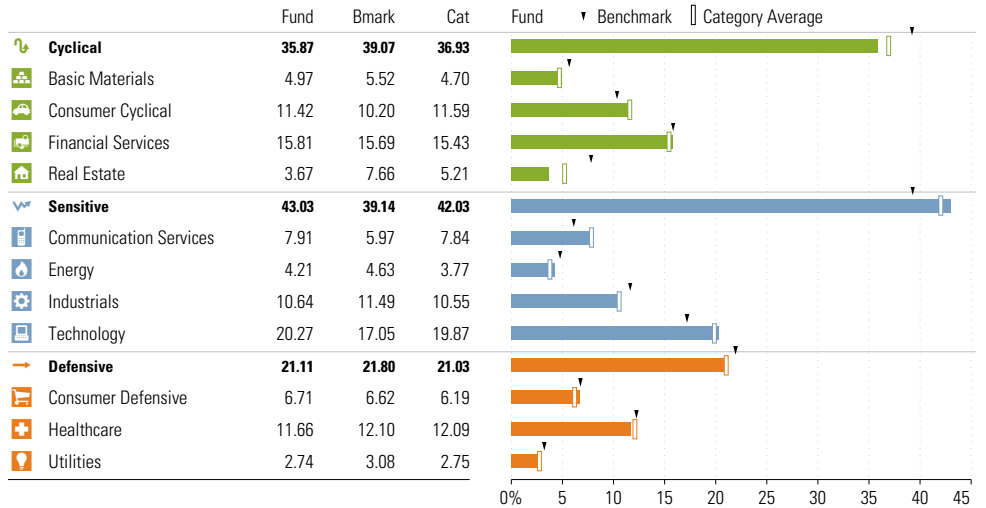


**Asset Allocation** as of 03-31-2022

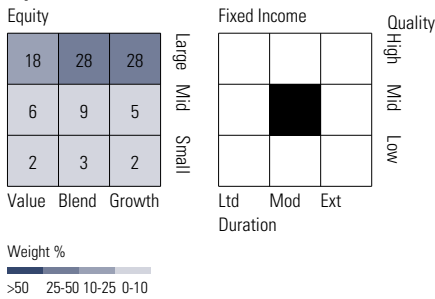


Asset Class	Net %	Cat%
US Stocks	53.45	54.18
Non-US Stocks	34.54	31.45
Bonds	9.19	5.37
Cash	2.70	1.73
Other	0.11	7.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**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.

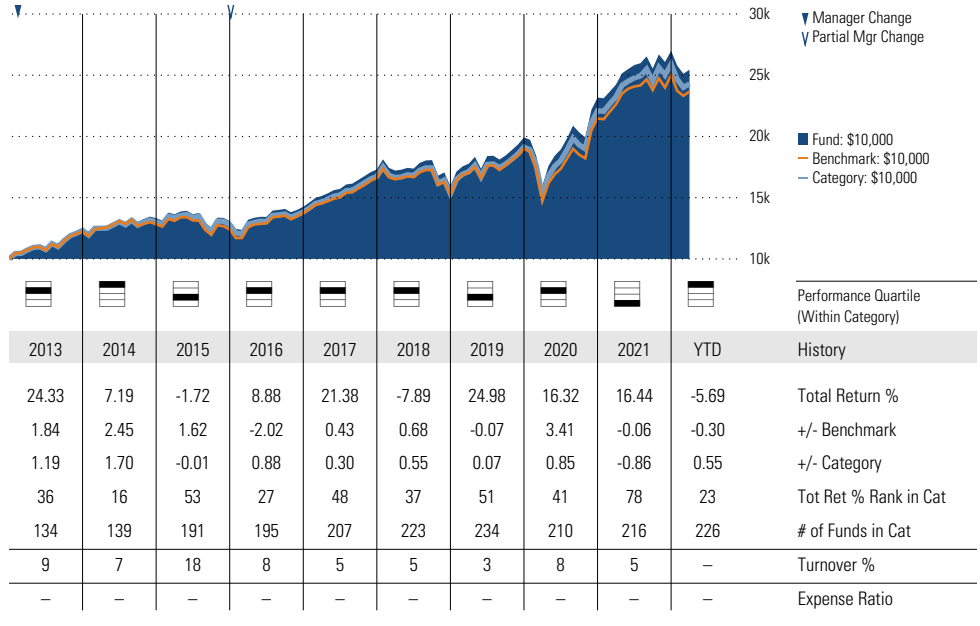
## Morningstar Investment Management LLC Analysis

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.

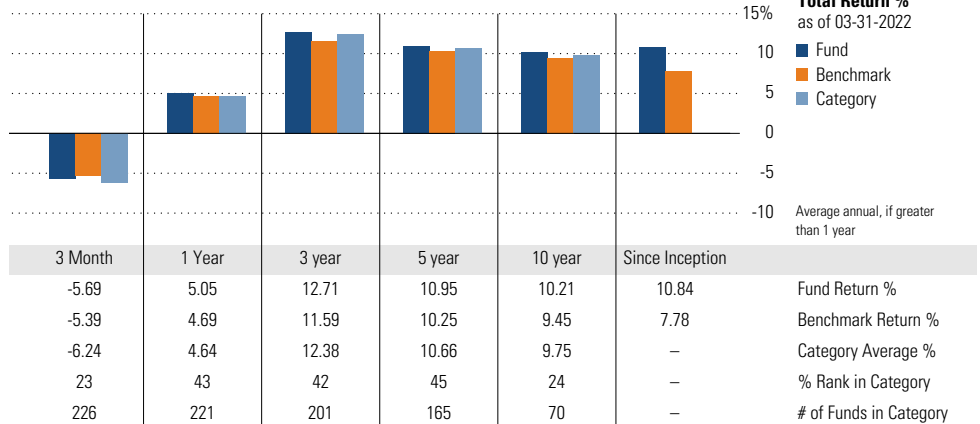
## ESG Metrics

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

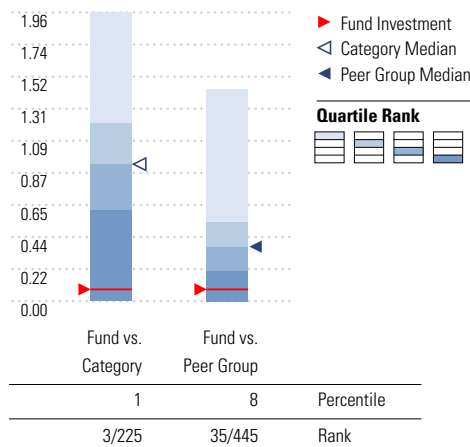
## Growth of \$10,000



## 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

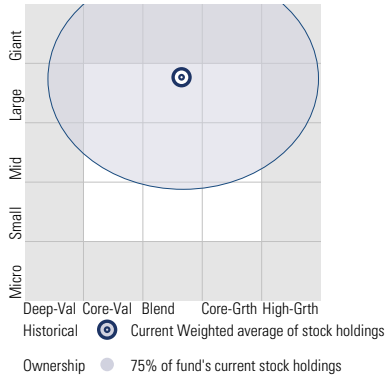
	Fund	Bmark	Cat
Price/Earnings Ratio	16.89	16.56	17.29
Price/Book Ratio	2.49	2.38	2.57
Avg Eff Duration	7.25	-	6.54

# Vanguard Target Retirement 2055 Fund VFFVX

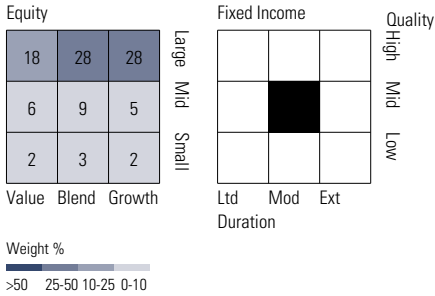
**Morningstar Category**  
Target-Date 2055

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

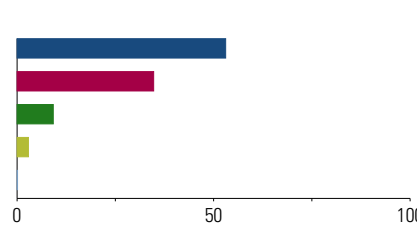
**Style Analysis** as of 03-31-2022  
Morningstar Style Box™



**Style Breakdown**

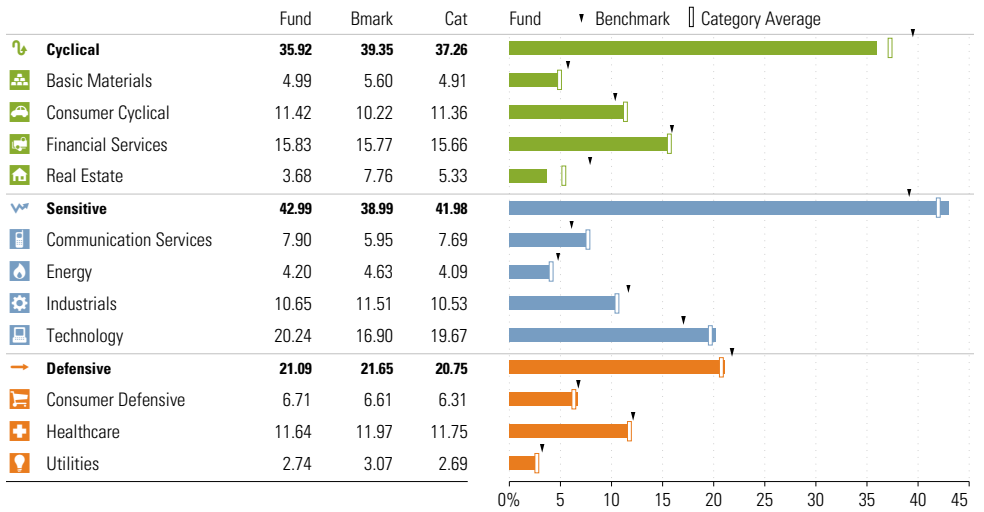


**Asset Allocation** as of 03-31-2022



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



**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.

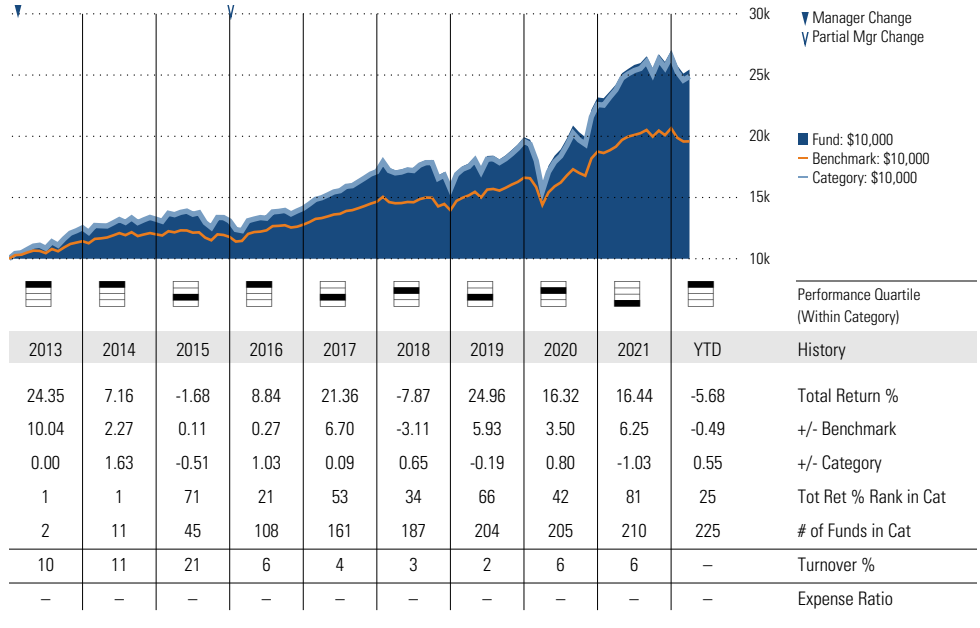
## Morningstar Investment Management LLC Analysis

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.

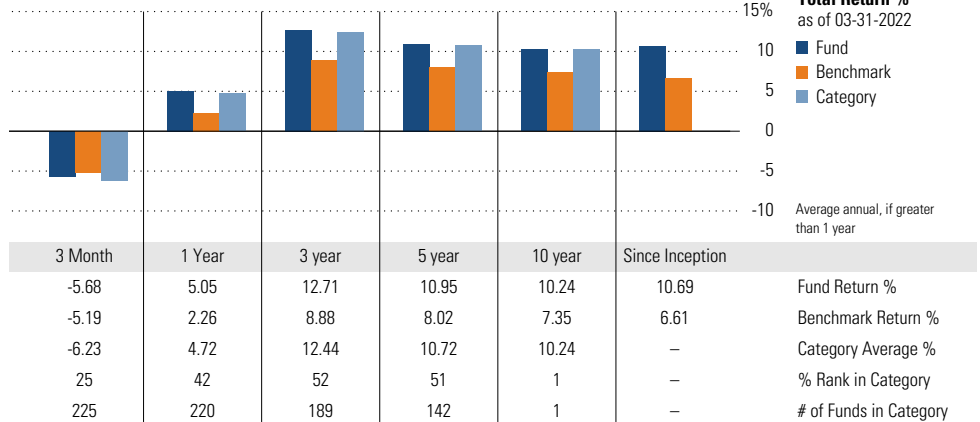
## ESG Metrics

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

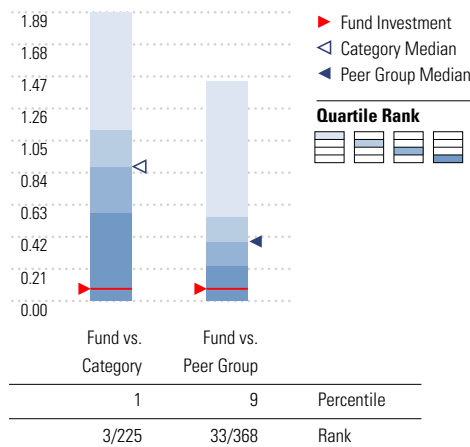
## Growth of \$10,000



## 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

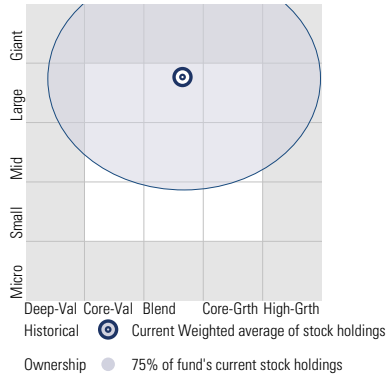
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

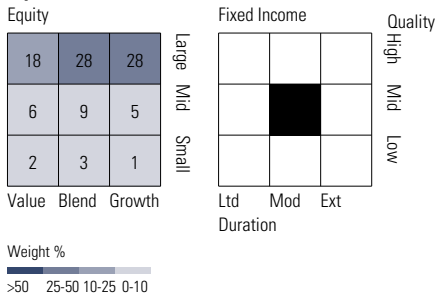
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 03-31-2022

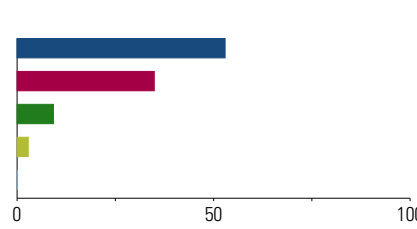
Morningstar Style Box™



## Style Breakdown

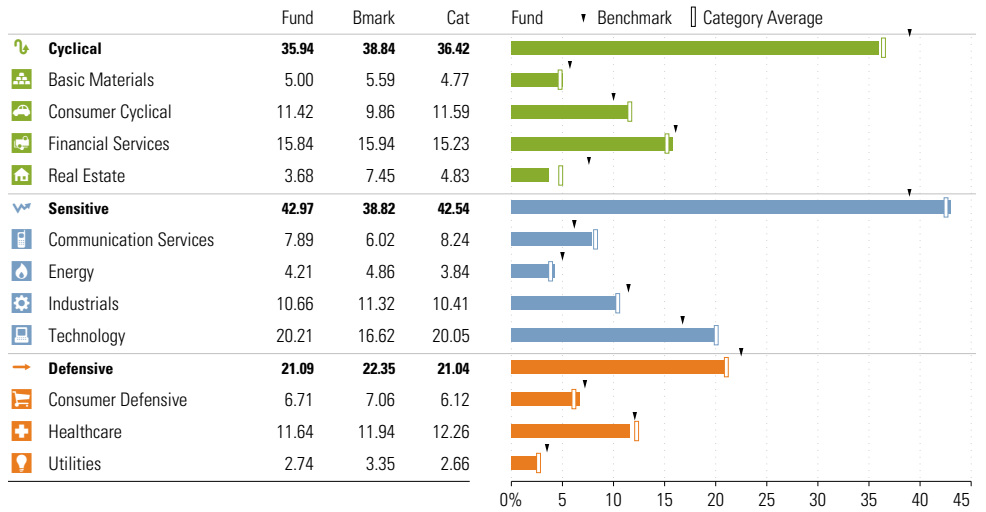


## Asset Allocation as of 03-31-2022



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.

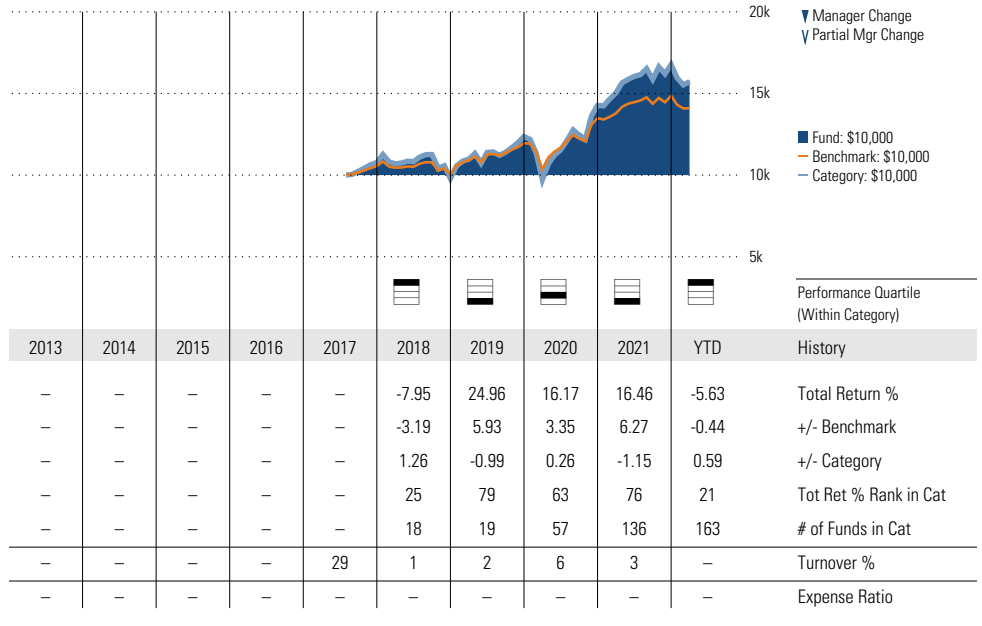
## Morningstar Investment Management LLC Analysis

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.

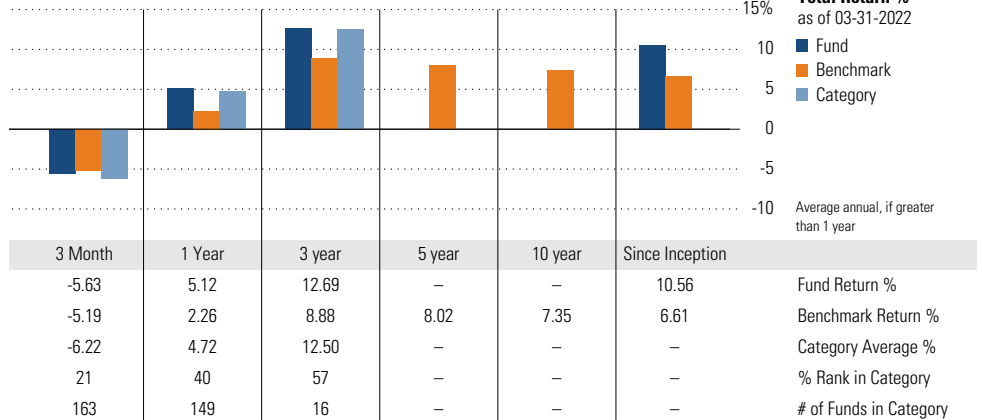
## ESG Metrics

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

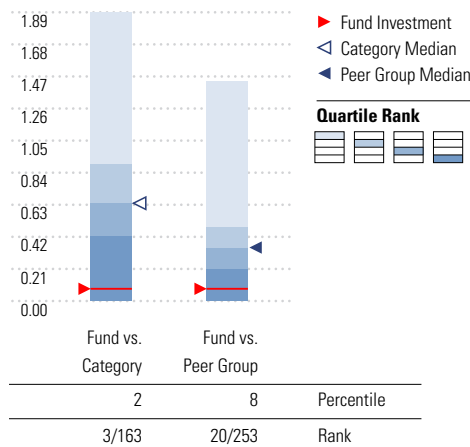
## Growth of \$10,000



## 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

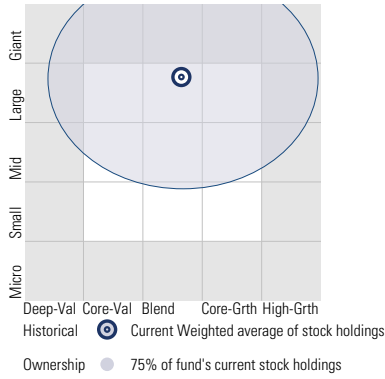
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

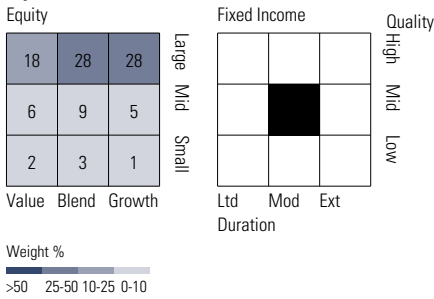
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 03-31-2022

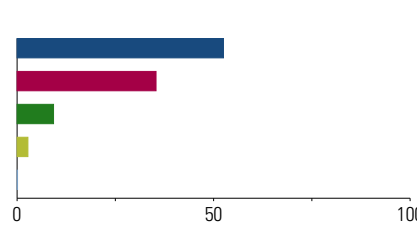
Morningstar Style Box™



## Style Breakdown

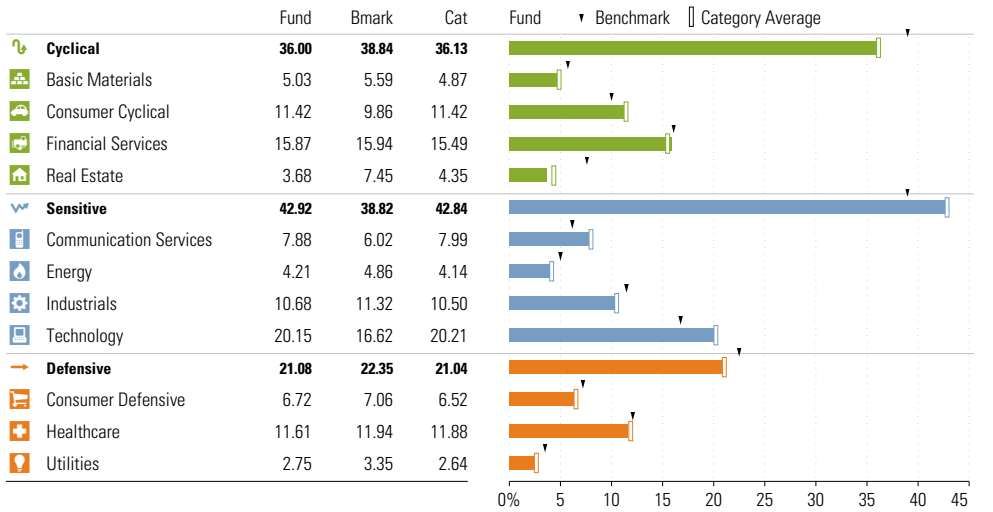


## Asset Allocation as of 03-31-2022



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.

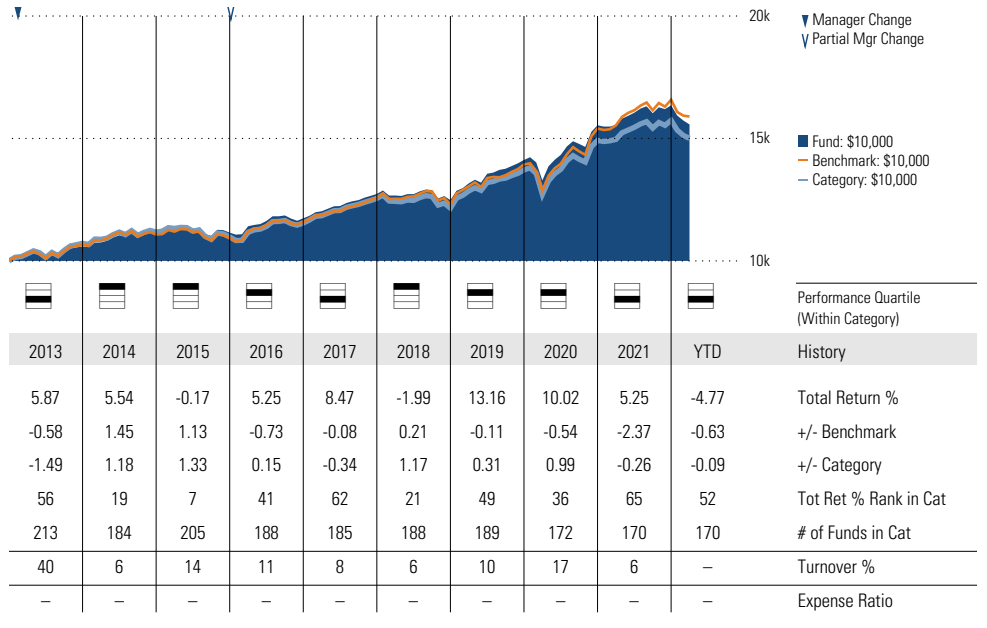
## Morningstar Investment Management LLC Analysis

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

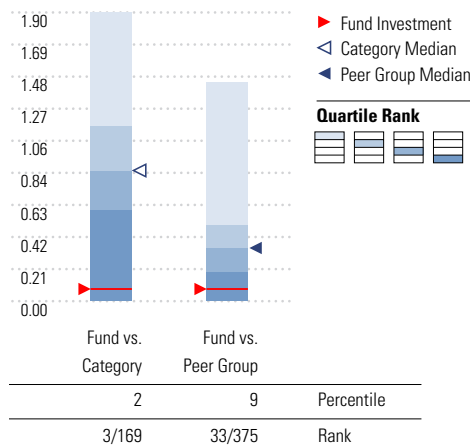
## Growth of \$10,000



## 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

	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

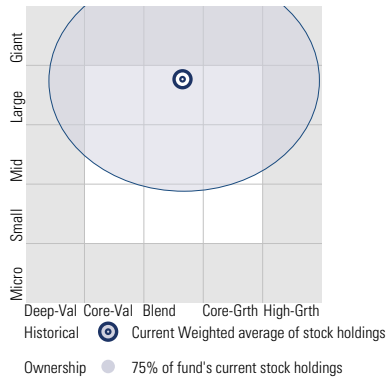
	Fund	Bmark	Cat
Price/Earnings Ratio	16.87	18.05	17.49
Price/Book Ratio	2.49	2.70	2.57
Avg Eff Duration	6.15	5.68	6.50

# Vanguard Target Retirement Income Fund VTINX

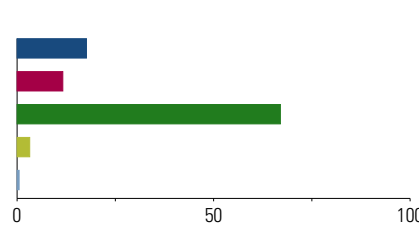
**Morningstar Category**  
Target-Date Retirement

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

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

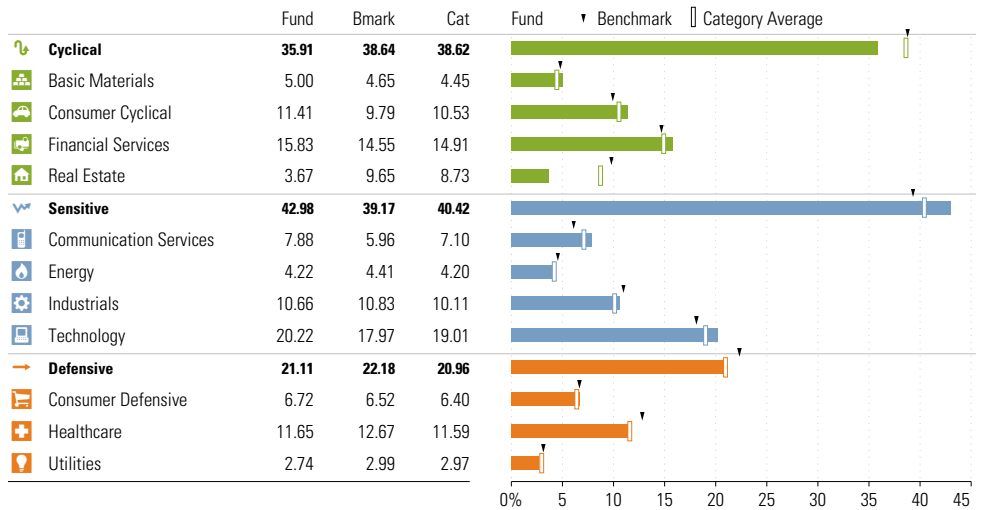


**Asset Allocation** as of 03-31-2022

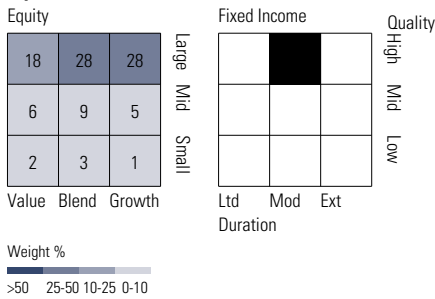


Asset Class	Net %	Cat%
US Stocks	17.65	18.44
Non-US Stocks	11.63	9.98
Bonds	66.99	52.27
Cash	3.21	5.53
Other	0.51	13.78
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**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.

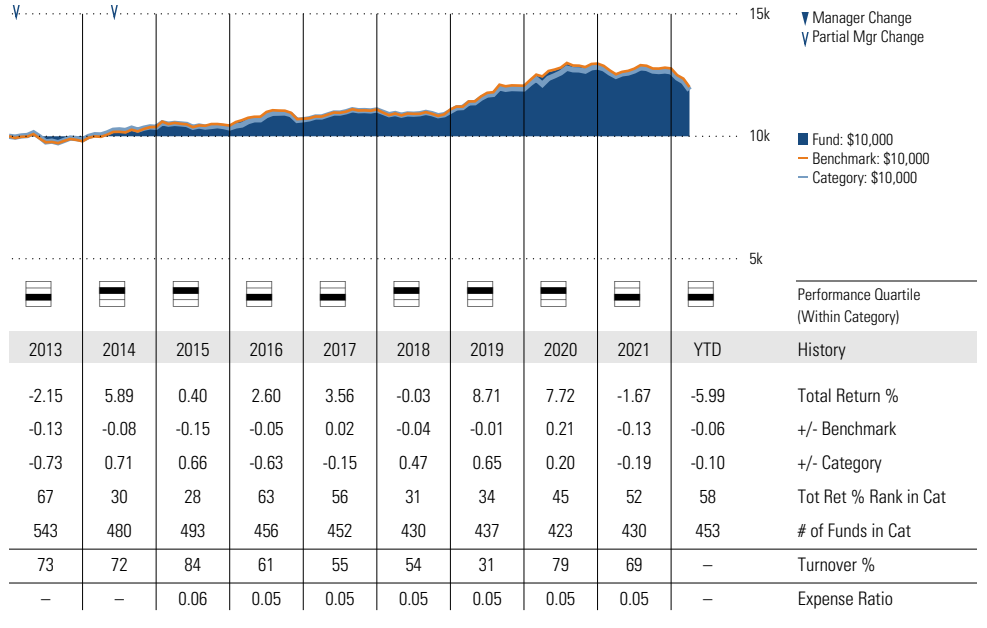
## Morningstar Investment Management LLC Analysis

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.

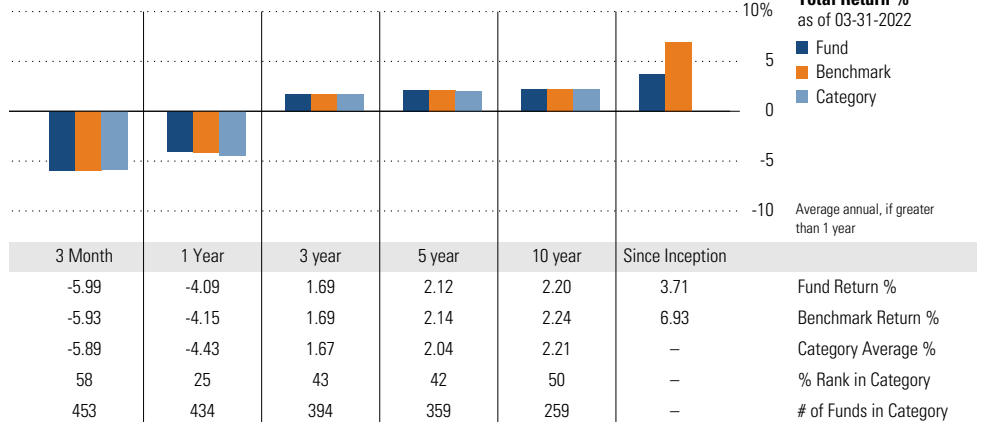
## ESG Metrics

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

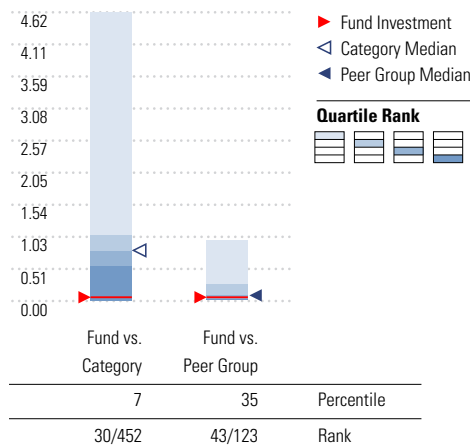
## Growth of \$10,000



## 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

	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

	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

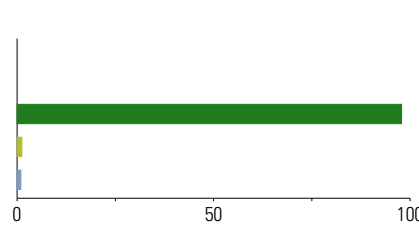
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 03-31-2022

### Style Breakdown



## Asset Allocation as of 03-31-2022

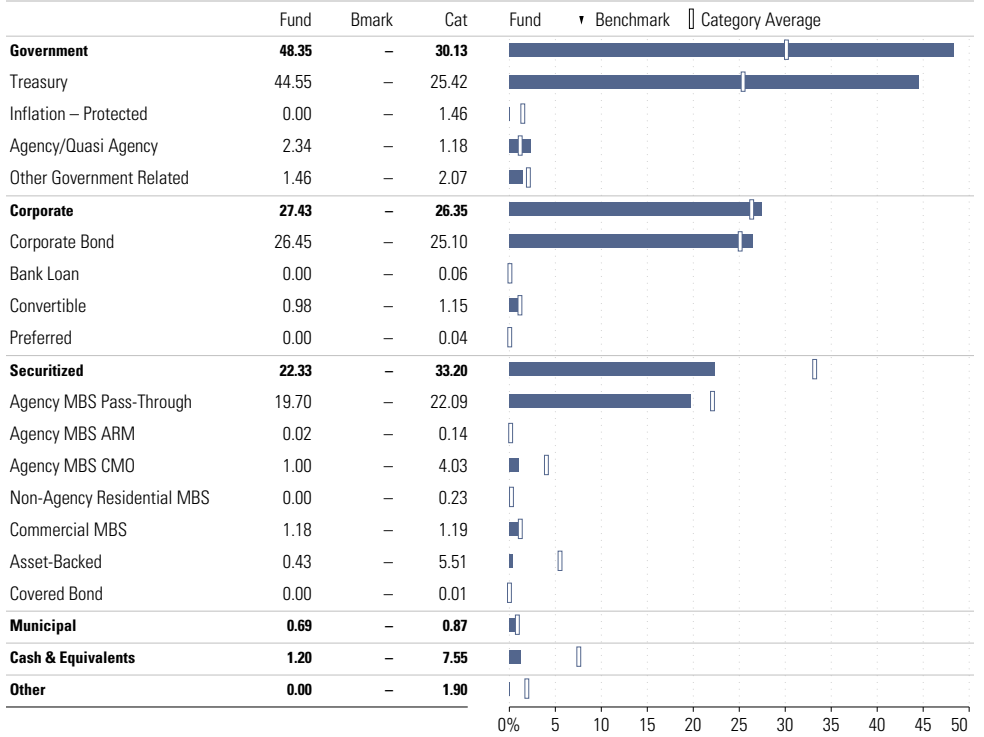


Asset Class	Net %	Cat%
US Stocks	0.00	0.27
Non-US Stocks	0.00	0.00
Bonds	97.83	93.20
Cash	1.20	4.16
Other	0.97	2.37
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## 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



# Vanguard Total World Stock Index Admiral VTWAX

**Morningstar Category**  
World Large-Stock Blend

**Morningstar Index**  
MSCI ACWI NR USD

## Portfolio Manager(s)

Christine Franquin since 02-2013  
Scott Geiger since 11-2017

## Quantitative Screens

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

- ✔ **Management:** The fund's management has been in place for 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 0.1 is 89.69% lower than the World Large-Stock Blend category average.

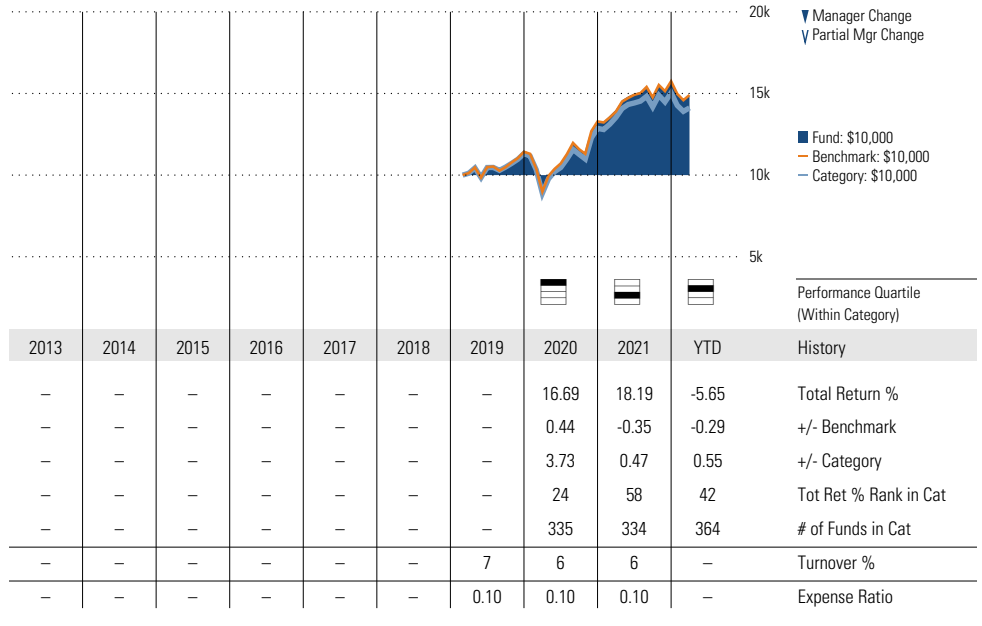
## Morningstar Investment Management LLC Analysis

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

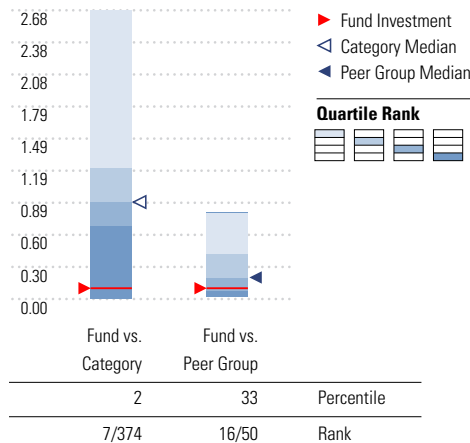
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	-0.30	-	-0.80
Beta	1.02	-	0.97
R-Squared	99.62	-	92.99
Standard Deviation	17.58	17.22	17.36
Sharpe Ratio	0.78	0.80	0.72
Tracking Error	1.13	-	4.57
Information Ratio	-0.09	-	-0.32
Up Capture Ratio	100.49	-	95.53
Down Capture Ratio	101.30	-	99.42

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.19	17.88	18.52
Price/Book Ratio	2.55	2.75	2.88
Geom Avg Mkt Cap \$B	73.90	111.50	80.62
ROE	25.33	26.90	24.82

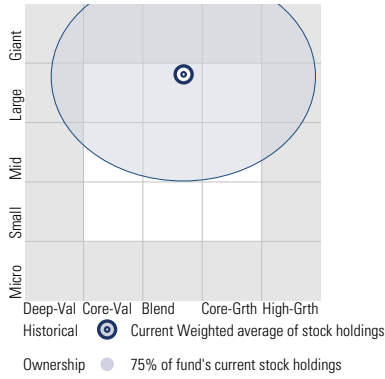
# Vanguard Total World Stock Index Admiral VTWAX

**Morningstar Category**  
World Large-Stock Blend

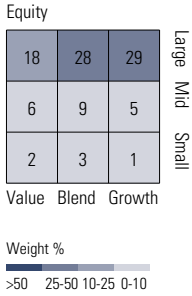
**Morningstar Index**  
MSCI ACWI NR USD

## Style Analysis as of 03-31-2022

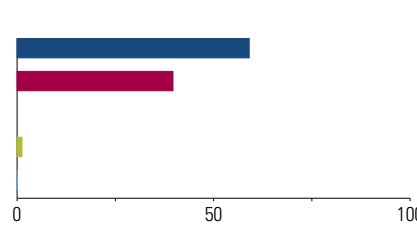
Morningstar Style Box™



## Style Breakdown

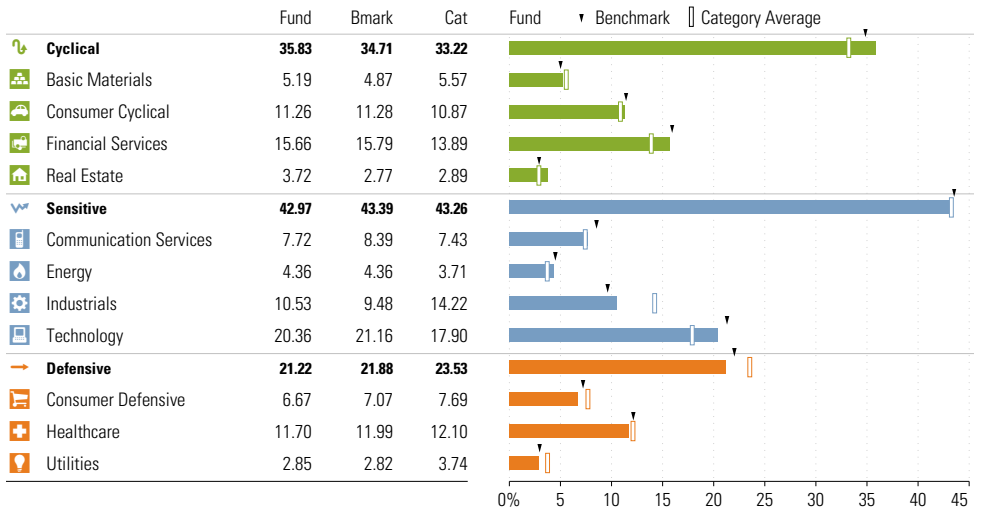


## Asset Allocation as of 03-31-2022



Asset Class	Net %	Cat%
US Stocks	59.06	56.87
Non-US Stocks	39.66	39.15
Bonds	0.00	1.07
Cash	1.24	1.71
Other	0.03	1.19
<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	18.27	13.43	Americas	64.20	62.94	Greater Europe	17.53	23.64	Developed Markets	92.00
Japan	5.92	5.84	North America	62.96	62.30	United Kingdom	3.94	6.38	Emerging Markets	8.00
Australasia	2.25	1.17	Central/Latin	1.24	0.64	W euro-ex UK	11.85	16.70	Not Available	0.00
Asia-4 Tigers	4.45	3.56				Emrgng Europe	0.20	0.21		
Asia-ex 4 Tigers	5.65	2.86				Africa	1.54	0.35		
Not Classified	0.00	0.00								

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

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	3.59	3.59	-1.54	Technology
⊕ Microsoft Corp	3.09	6.68	-8.14	Technology
⊕ Amazon.com Inc	1.88	8.57	-2.23	Consumer Cyclical
⊕ Tesla Inc	1.19	9.76	1.97	Consumer Cyclical
⊕ Alphabet Inc Class A	1.12	10.88	-3.99	Communication Svc
⊖ Alphabet Inc Class C	1.03	11.90	-3.48	Communication Svc
⊕ NVIDIA Corp	0.87	12.77	-7.21	Technology
⊕ Berkshire Hathaway Inc Class B	0.70	13.47	18.03	Financial Services
⊕ Slcmt1142	0.69	14.15	-	-
⊖ Meta Platforms Inc Class A	0.68	14.84	-33.89	Communication Svc

**Total Holdings 9576**

⊕ Increase ⊖ Decrease ✨ New to Portfolio