

# American Funds American Balanced R6 RLBGX

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

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 23.51 years.

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

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

## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



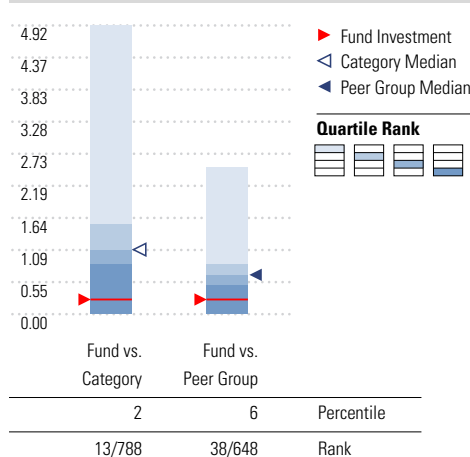
2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
22.12	9.22	2.03	8.90	15.84	-2.42	19.55	11.22	16.11	-13.38	History
5.59	1.65	1.67	1.30	1.56	1.24	-0.78	-3.04	3.74	2.67	Total Return %
5.64	3.01	3.96	1.56	2.63	3.34	0.32	-0.50	2.22	1.05	+/- Benchmark
5	16	3	20	15	8	48	57	28	28	+/- Category
834	808	858	806	787	805	779	753	766	776	Tot Ret % Rank in Cat
55	68	82	79	95	72	104	176	158	-	# of Funds in Cat
-	-	0.29	0.29	0.28	0.28	0.27	0.26	0.25	-	Turnover %
-	-	0.29	0.29	0.28	0.28	0.27	0.26	0.25	-	Expense Ratio

## Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 06-30-2022
-9.83	-8.19	6.38	7.19	9.06	10.41	Fund Return %
-11.47	-12.23	4.77	6.01	7.37	5.38	Benchmark Return %
-10.58	-11.07	4.54	5.29	6.69	-	Category Average %
25	20	19	14	5	-	% Rank in Category
785	756	710	646	481	-	# 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	1.77	-	-0.38
Beta	0.94	-	1.02
R-Squared	96.66	-	93.07
Standard Deviation	11.38	11.84	12.60
Sharpe Ratio	0.55	0.40	0.36
Tracking Error	2.18	-	3.26
Information Ratio	0.74	-	-0.11
Up Capture Ratio	103.00	-	100.35
Down Capture Ratio	92.77	-	103.04

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.34	16.17	16.05
Price/Book Ratio	3.56	2.64	2.58
Avg Eff Duration	7.18	6.45	5.14

# American Funds American Balanced R6 RLBGX

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

**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

Equity

## Style Analysis as of 06-30-2022

Morningstar Style Box™



## Style Breakdown

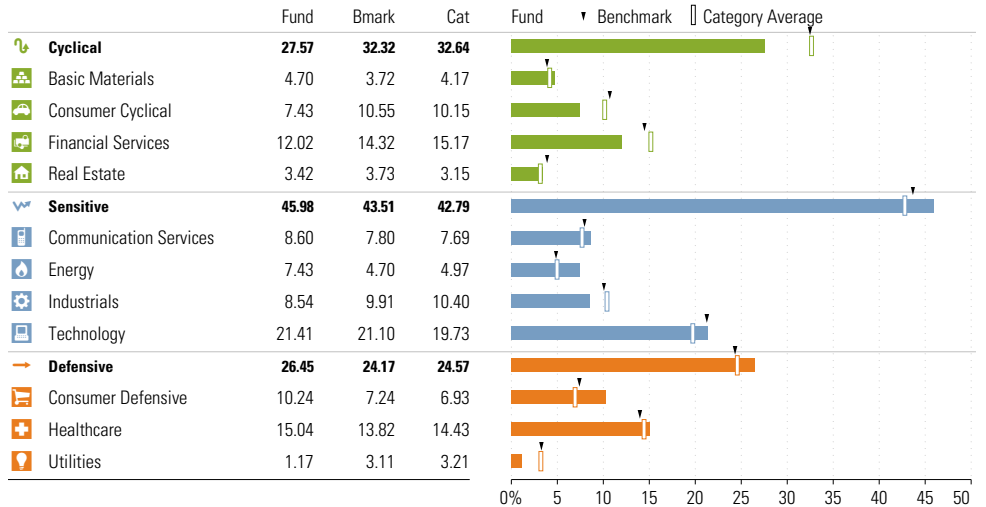


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	53.67	45.60
Non-US Stocks	9.71	10.41
Bonds	27.08	34.10
Cash	4.09	5.87
Other	5.45	4.02
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 10 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	—	6.05	6.05	—	—
Cap Grp Cent Fd Ser Ii	—	4.86	10.91	—	—
Microsoft Corp	—	4.14	15.05	-23.27	Technology
Broadcom Inc	—	2.93	17.98	-25.76	Technology
UnitedHealth Group Inc	—	2.49	20.46	2.91	Healthcare
* Cash And Other Assets Less Liabilities	—	2.09	22.56	—	—
Philip Morris International Inc	—	1.75	24.31	6.57	Consumer Defensive
Taiwan Semiconductor Manufacturing Co Ltd ADR	—	1.37	25.68	-31.42	Technology
Comcast Corp Class A	—	1.33	27.01	-21.00	Communication Svc
The Home Depot Inc	—	1.22	28.23	-33.00	Consumer Cyclical

**Total Holdings 1859**

⊕ Increase ⊖ Decrease \* New to Portfolio

# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

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

## Portfolio Manager(s)

Steven Watson since 10-2008  
 Andrew Suzman since 10-2008  
 Patrice Collette since 09-2010  
 Leo Hee since 07-2015  
 Paul Flynn since 09-2017  
 Michael Cohen since 07-2018  
 Lisa Thompson since 09-2018

## Quantitative Screens

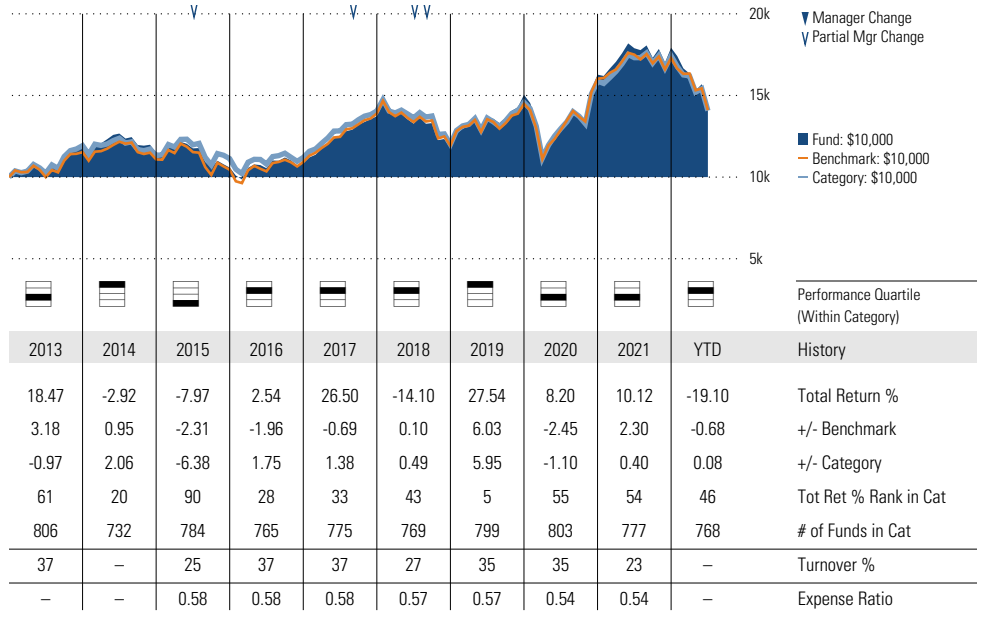
✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.75 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.54 is 41.94% lower than the Foreign Large Blend category average.

## Growth of \$10,000



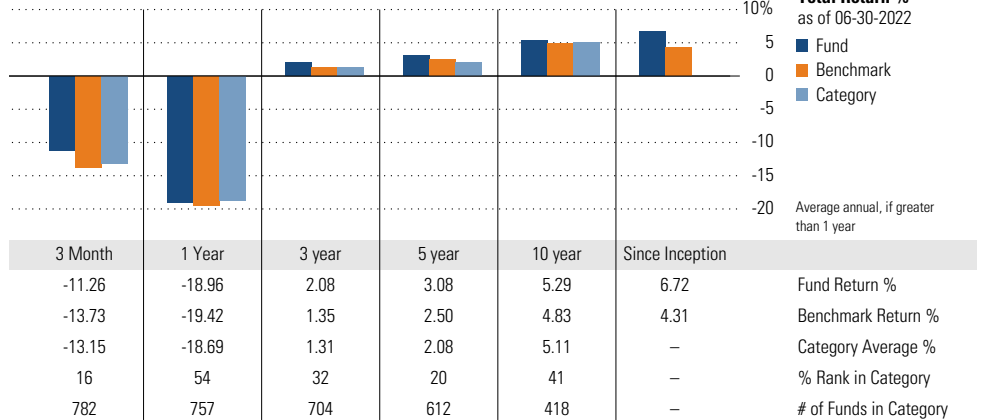
## Morningstar Investment Management LLC Analysis

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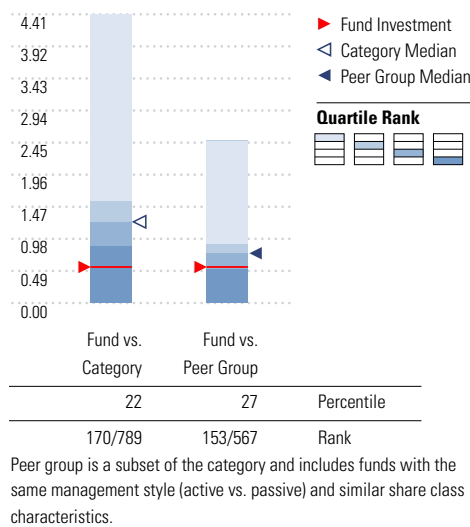
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.80	-	0.29
Beta	1.08	-	1.00
R-Squared	96.66	-	93.77
Standard Deviation	19.25	17.47	18.09
Sharpe Ratio	0.17	0.13	0.14
Tracking Error	3.81	-	4.55
Information Ratio	0.19	-	0.06
Up Capture Ratio	108.98	-	101.51
Down Capture Ratio	106.01	-	100.74

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.56	12.10	11.95
Price/Book Ratio	1.99	1.59	1.62
Geom Avg Mkt Cap \$B	52.87	39.31	43.47
ROE	20.84	17.75	19.51

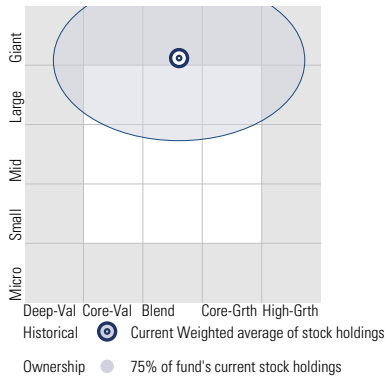
# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 06-30-2022

Morningstar Style Box™



## Style Breakdown

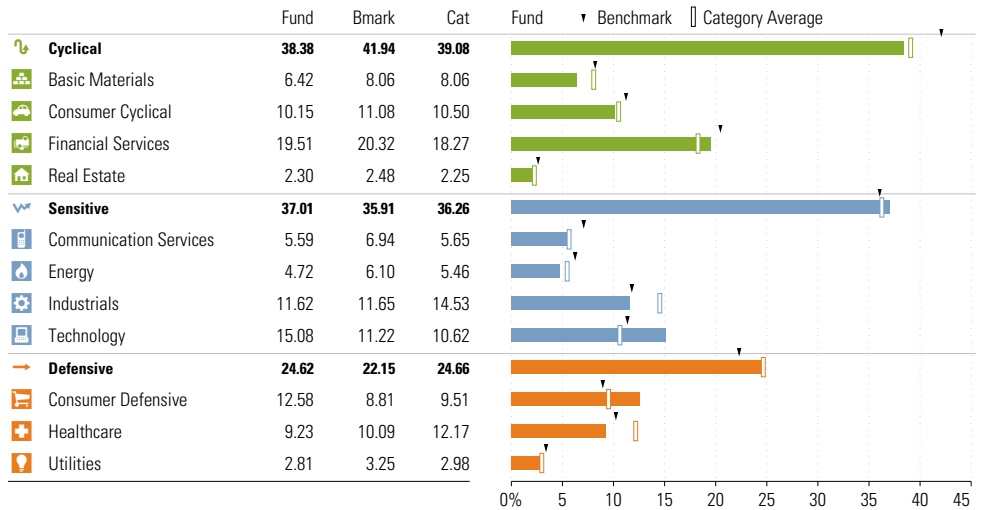


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	5.13	3.05
Non-US Stocks	85.15	95.07
Bonds	0.40	0.28
Cash	9.31	1.25
Other	0.01	0.34
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## World Regions % Equity 06-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	29.77	35.16	Americas	15.77	8.86	Greater Europe	54.47	55.97	Developed Markets	84.35
Japan	5.98	17.94	North America	11.03	7.72	United Kingdom	15.36	13.89	Emerging Markets	15.65
Australasia	0.69	5.40	Central/Latin	4.74	1.14	W euro-ex UK	38.33	40.85	Not Available	0.00
Asia-4 Tigers	12.89	6.91				Emrgng Europe	0.33	0.09		
Asia-ex 4 Tigers	10.21	4.91				Africa	0.45	1.14		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	9.16	9.16	—	—
⊖ Taiwan Semiconductor Manufacturing Co Ltd	3.53	12.70	-21.71	Technology
⊕ British American Tobacco PLC	2.85	15.55	30.75	Consumer Defensive
AstraZeneca PLC	2.70	18.25	26.13	Healthcare
ASML Holding NV	2.20	20.45	-34.97	Technology
⊕ Airbus SE	1.78	22.23	-16.38	Industrials
⊖ Tokyo Electron Ltd	1.66	23.89	-32.25	Technology
⊖ Philip Morris International Inc	1.47	25.36	6.57	Consumer Defensive
⊕ AXA SA	1.47	26.83	-11.40	Financial Services
⊖ Vale SA	1.46	28.29	2.97	Basic Materials

**Total Holdings 251**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 21.76 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 49.15% lower than the Intermediate Core Bond category average.

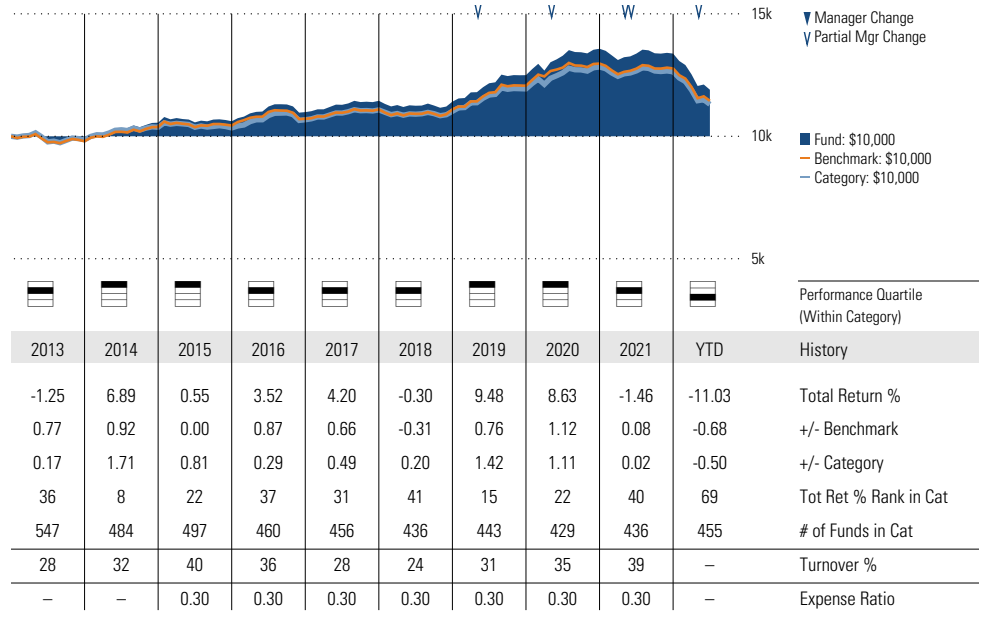
## Morningstar Investment Management LLC Analysis

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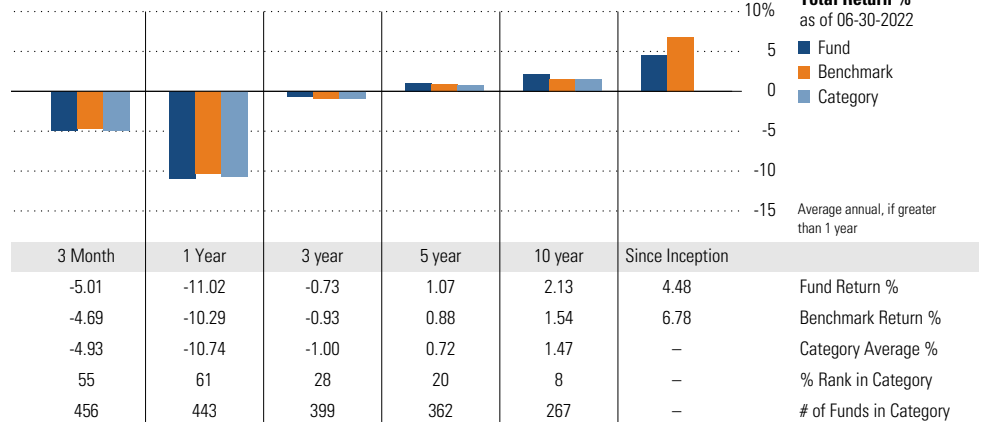
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

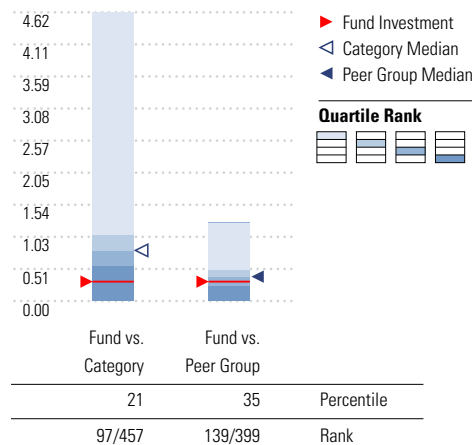
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.29	-	-0.03
Beta	1.07	-	1.00
R-Squared	94.98	-	89.84
Standard Deviation	5.02	4.56	4.83
Sharpe Ratio	-0.24	-0.31	-0.31
Tracking Error	1.17	-	1.50
Information Ratio	0.18	-	-0.13
Up Capture Ratio	114.97	-	104.20
Down Capture Ratio	109.33	-	104.27

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.58	4.43	6.22
Avg Eff Maturity	8.50	-	8.25

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

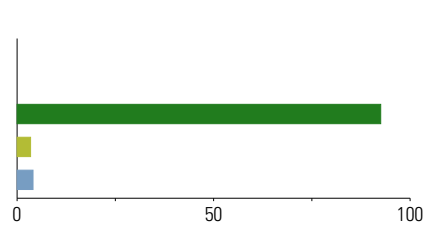
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

**Style Analysis** as of 06-30-2022

**Style Breakdown**



**Asset Allocation** as of 06-30-2022

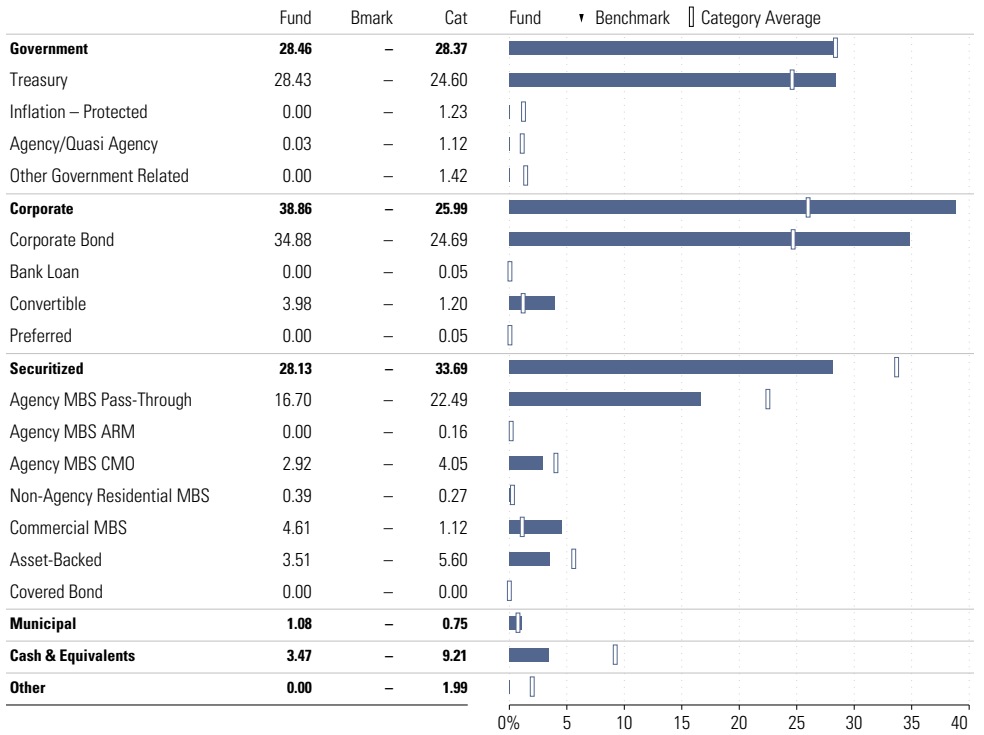


Asset Class	Net %	Cat%
US Stocks	0.00	0.25
Non-US Stocks	0.00	0.00
Bonds	92.52	93.22
Cash	3.43	4.32
Other	4.05	2.21
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	58.90	3.53	45.64
AA	3.70	74.59	12.81
A	12.90	10.82	25.25
BBB	23.90	8.32	13.12
BB	0.60	0.28	1.45
B	0.00	0.00	0.60
Below B	0.00	0.00	0.30
Not Rated	0.00	2.46	0.84

**Sector Weighting** as of 06-30-2022



**Top 10 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Bonds 2.5%	02-2045	4.09	4.09	-
United States Treasury Bonds 2.88%	05-2043	3.42	7.52	-
⊖ First American Government Obligs U	02-2030	3.16	10.68	-
⊖ United States Treasury Notes 0.38%	07-2024	3.02	13.70	-
⊕ United States Treasury Notes 1.13%	08-2028	2.96	16.67	-
⊖ United States Treasury Notes 2.25%	11-2025	2.81	19.48	-
⊖ United States Treasury Notes 2.25%	11-2027	2.02	21.50	-
⊖ United States Treasury Bonds 1.38%	11-2040	1.99	23.48	-
⊖ United States Treasury Notes 2%	11-2026	1.65	25.13	-
⊕ United States Treasury Notes 1.25%	08-2031	1.60	26.73	-

**Total Holdings 1528**

⊕ 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 10.34 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.

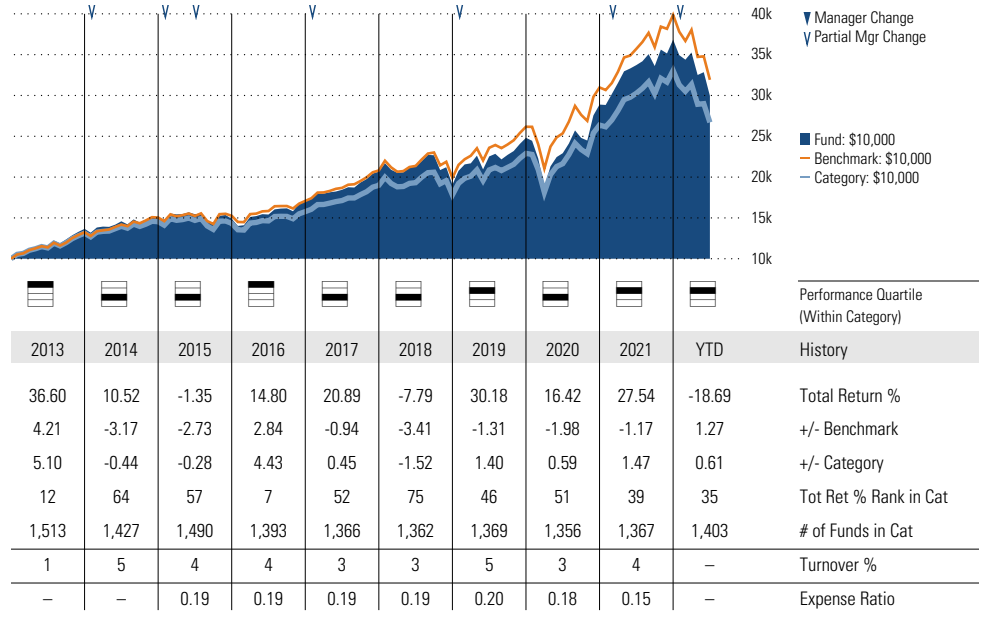
## Morningstar Investment Management LLC Analysis

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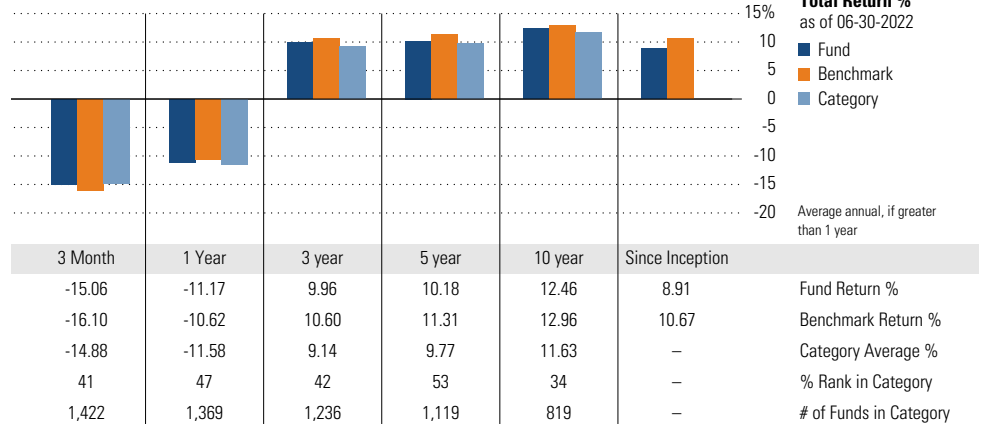
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022

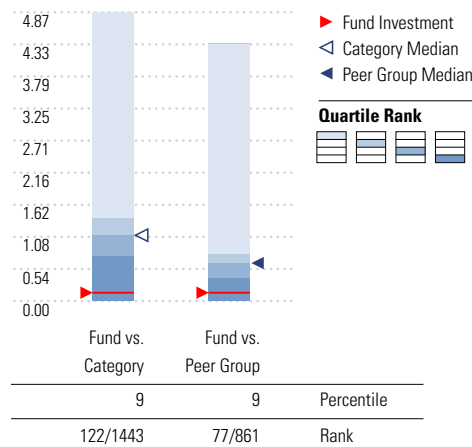
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.94	-	-1.37
Beta	1.05	-	0.96
R-Squared	96.96	-	94.93
Standard Deviation	19.88	18.64	18.43
Sharpe Ratio	0.55	0.60	0.50
Tracking Error	3.59	-	3.92
Information Ratio	-0.18	-	-1.04
Up Capture Ratio	101.78	-	93.13
Down Capture Ratio	105.26	-	98.50

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.67	18.44	18.70
Price/Book Ratio	3.07	3.53	4.24
Geom Avg Mkt Cap \$B	66.44	172.47	216.36
ROE	30.12	32.85	36.39

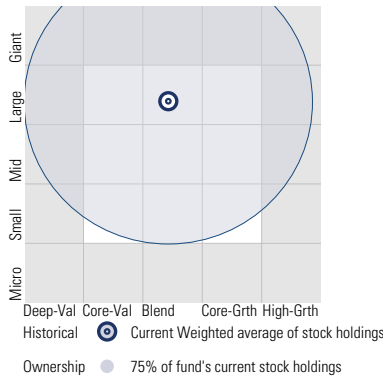
# DFA US Core Equity 1 I DFEQX

**Morningstar Category**  
Large Blend

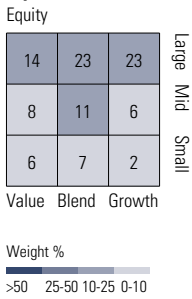
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 06-30-2022

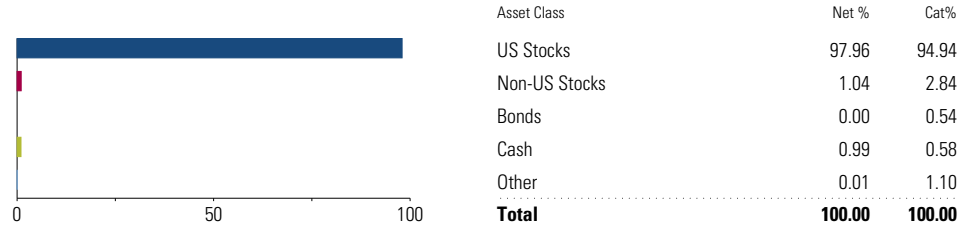
Morningstar Style Box™



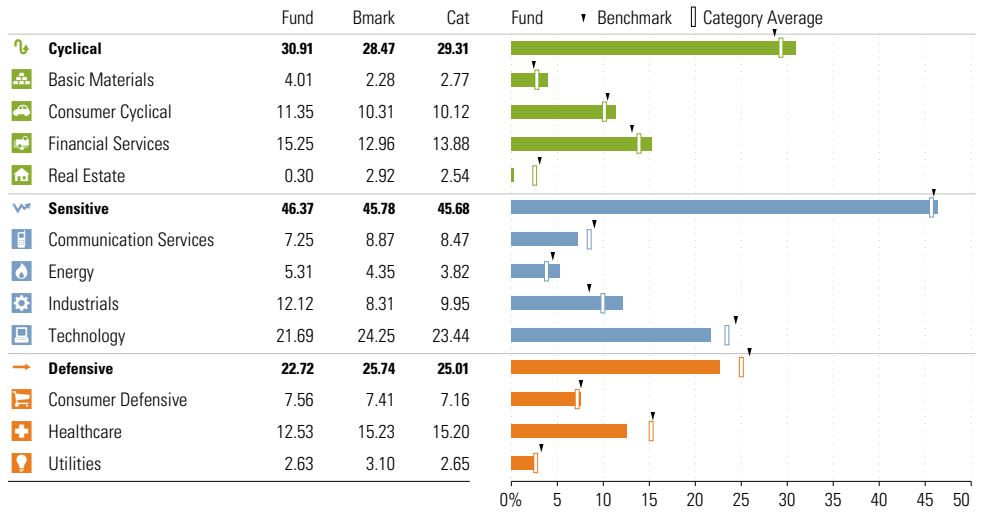
## Style Breakdown



## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	5.02	5.02	-22.75	Technology
Microsoft Corp	3.85	8.87	-23.27	Technology
Amazon.com Inc	2.04	10.92	-36.29	Consumer Cyclical
Alphabet Inc Class A	1.23	12.14	-24.78	Communication Svc
Alphabet Inc Class C	1.11	13.25	-24.40	Communication Svc
Johnson & Johnson	1.08	14.33	5.04	Healthcare
Berkshire Hathaway Inc Class B	1.03	15.36	-8.69	Financial Services
Meta Platforms Inc Class A	0.97	16.33	-52.06	Communication Svc
Ssc Government Mm Gvmxx	0.95	17.28	-	-
UnitedHealth Group Inc	0.95	18.23	2.91	Healthcare
JPMorgan Chase & Co	0.88	19.11	-27.62	Financial Services
Procter & Gamble Co	0.85	19.96	-11.01	Consumer Defensive
S+p500 Emini Fut Jun22 Xcme 20220617	0.84	20.80	-	-
Exxon Mobil Corp	0.81	21.61	42.83	Energy
Mastercard Inc Class A	0.71	22.33	-11.93	Financial Services

**Total Holdings 2470**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 24.99 years.

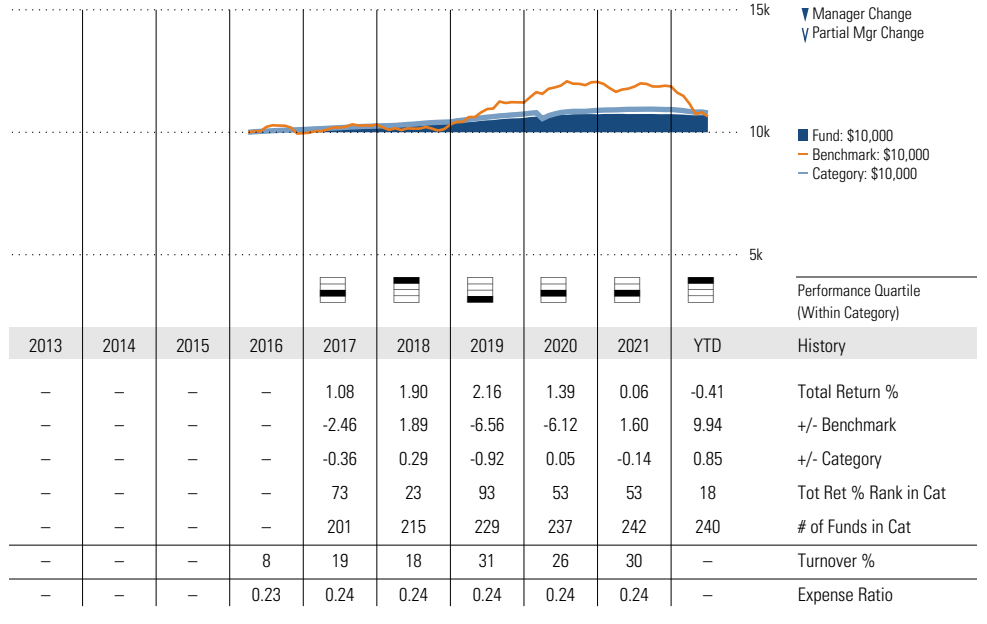
Style Consistency is not calculated for Fixed Income funds.

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

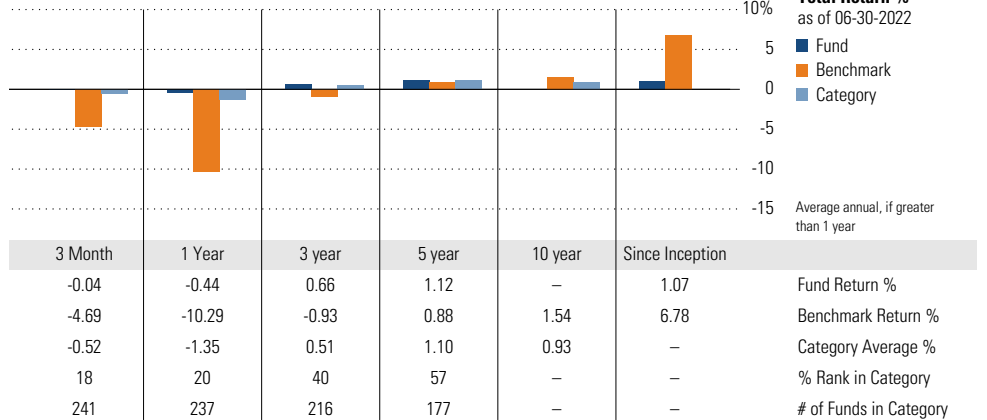
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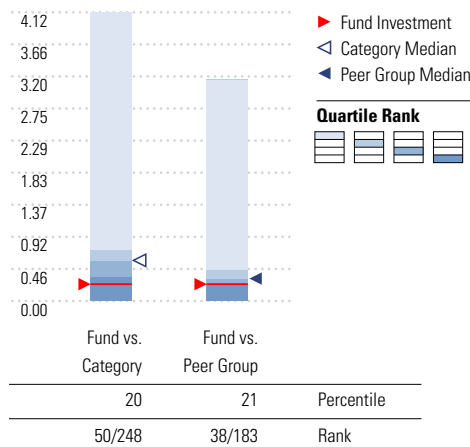
## Growth of \$10,000



## 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	0.71	-	0.61
Beta	0.07	-	0.15
R-Squared	30.74	-	18.16
Standard Deviation	0.55	4.56	1.87
Sharpe Ratio	0.16	-0.31	-0.06
Tracking Error	4.28	-	4.39
Information Ratio	0.37	-	0.32
Up Capture Ratio	12.31	-	25.90
Down Capture Ratio	0.11	-	14.87

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.36	4.43	0.84
Avg Eff Maturity	2.55	-	2.01

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

**Style Analysis** as of 06-30-2022

**Style Breakdown**



**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	61.87	80.56
Cash	38.13	15.18
Other	0.00	4.25
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	25.22
AA	0.00	74.59	6.37
A	0.00	10.82	20.89
BBB	0.00	8.32	27.37
BB	0.00	0.28	3.05
B	0.00	0.00	3.23
Below B	0.00	0.00	0.50
Not Rated	0.00	2.46	13.37

**Sector Weighting** as of 06-30-2022



**Top 10 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Novasc Repo 1 Repo	04-2022	23.03	23.03	-
⊕ Bofam Repo 1 Repo	04-2022	12.06	35.09	-
⊕ Government National Mortgage Association 0.74857%	07-2050	6.50	41.59	-
Federal Home Loan Banks 0.4%	06-2024	4.40	45.99	-
⊖ Federal National Mortgage Association 0.95657%	08-2059	2.45	48.44	-
⊖ Federal Home Loan Mortgage Corporation 0.90657%	09-2049	2.08	50.52	-
⊖ Federal National Mortgage Association 0.90657%	06-2050	2.04	52.55	-
⊖ Federal Home Loan Mortgage Corporation 0.90657%	01-2050	1.76	54.31	-
⊖ Government National Mortgage Association 2.26188%	03-2067	1.70	56.02	-
⊖ Government National Mortgage Association 0.82%	02-2065	1.68	57.70	-

**Total Holdings 222**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard FTSE Social Index Admiral VFTAX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

Gerard O'Reilly since 12-2015  
William Coleman since 12-2015

## 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 6.53 years.

✘ **Style:** The fund has landed in its primary style box — Large Blend — 40 % 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.

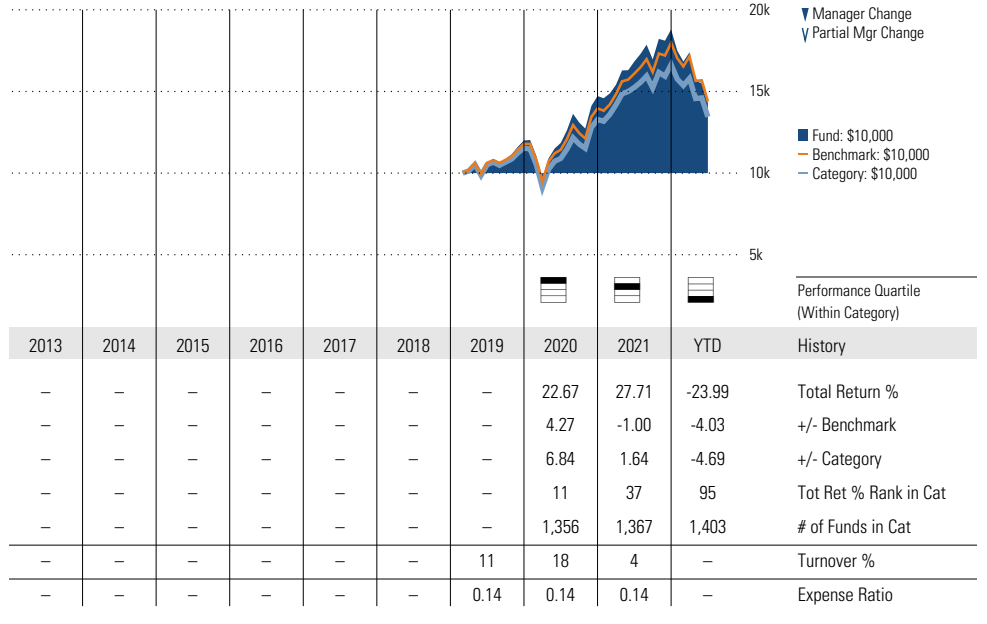
## Morningstar Investment Management LLC Analysis

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

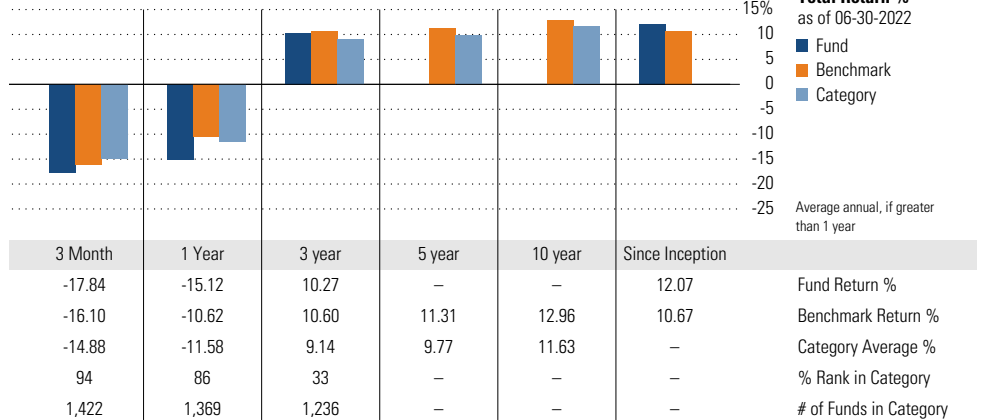
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	2-Basic	02-15-2022

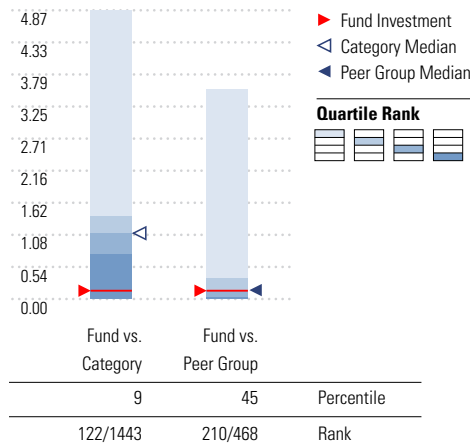
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.77	-	-1.37
Beta	1.06	-	0.96
R-Squared	98.87	-	94.93
Standard Deviation	19.85	18.64	18.43
Sharpe Ratio	0.56	0.60	0.50
Tracking Error	2.38	-	3.92
Information Ratio	-0.14	-	-1.04
Up Capture Ratio	104.49	-	93.13
Down Capture Ratio	107.75	-	98.50

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.06	18.44	18.70
Price/Book Ratio	3.94	3.53	4.24
Geom Avg Mkt Cap \$B	176.61	172.47	216.36
ROE	34.19	32.85	36.39

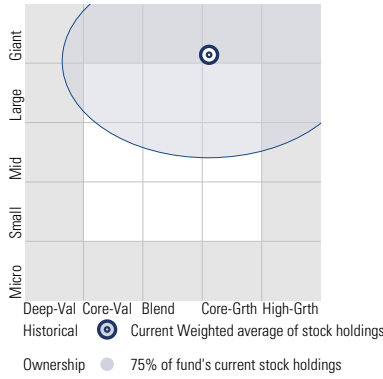
# Vanguard FTSE Social Index Admiral VFTAX

**Morningstar Category**  
Large Blend

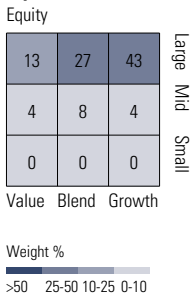
**Morningstar Index**  
S&P 500 TR USD

## Style Analysis as of 06-30-2022

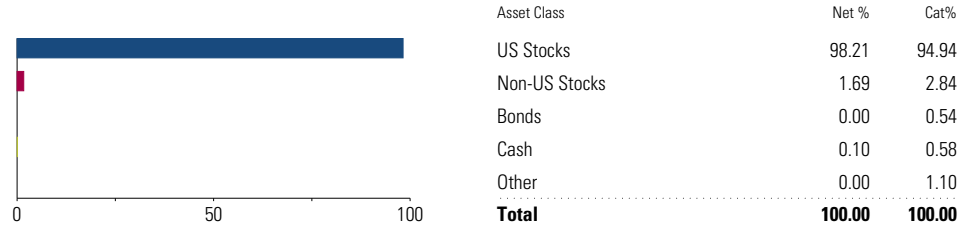
Morningstar Style Box™



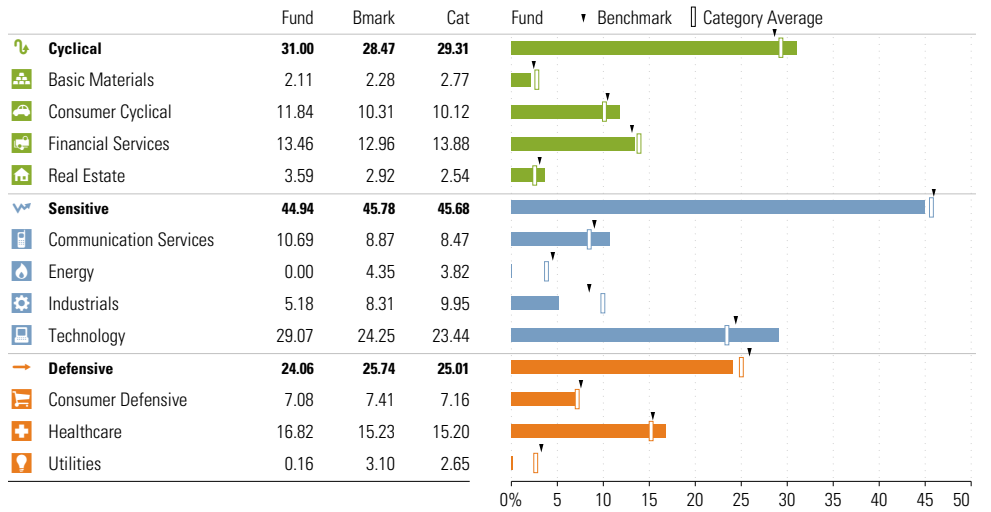
## Style Breakdown



## Asset Allocation as of 06-30-2022



## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	7.68	7.68	-22.75	Technology
Microsoft Corp	7.06	14.74	-23.27	Technology
Amazon.com Inc	3.47	18.20	-36.29	Consumer Cyclical
Alphabet Inc Class A	2.39	20.59	-24.78	Communication Svc
Alphabet Inc Class C	2.22	22.82	-24.40	Communication Svc
Tesla Inc	2.10	24.91	-36.28	Consumer Cyclical
UnitedHealth Group Inc	1.77	26.68	2.91	Healthcare
Meta Platforms Inc Class A	1.36	28.04	-52.06	Communication Svc
NVIDIA Corp	1.34	29.38	-48.43	Technology
Procter & Gamble Co	1.26	30.64	-11.01	Consumer Defensive
JPMorgan Chase & Co	1.21	31.85	-27.62	Financial Services
Visa Inc Class A	1.19	33.04	-8.80	Financial Services
Pfizer Inc	1.09	34.12	-9.86	Healthcare
The Home Depot Inc	1.04	35.17	-33.00	Consumer Cyclical
Eli Lilly and Co	1.00	36.17	18.09	Healthcare

**Total Holdings 492**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

John Madziyire since 11-2021

## Quantitative Screens

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

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

Style Consistency is not calculated for Fixed Income funds.

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

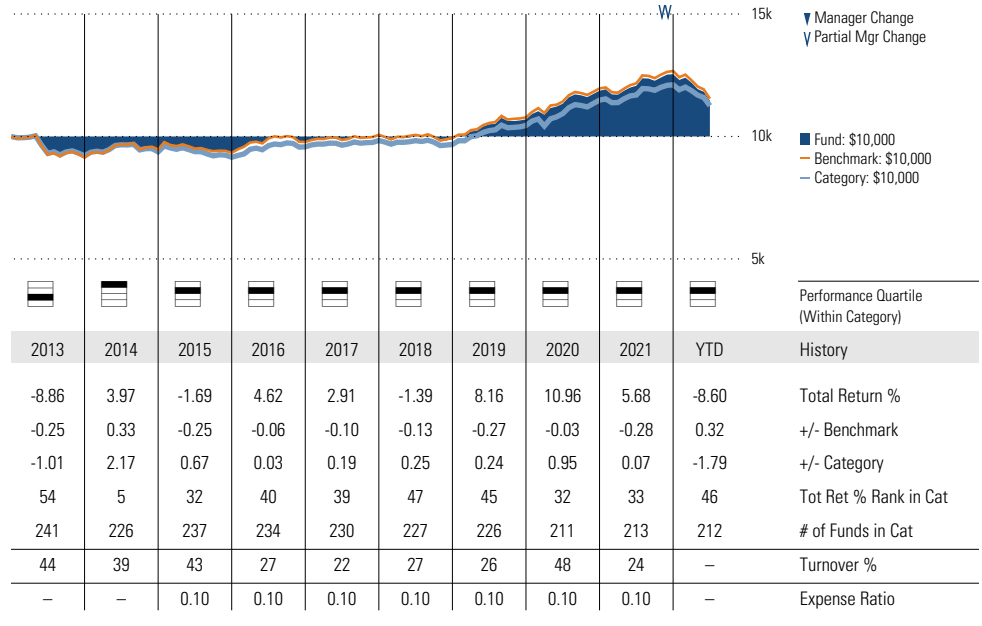
## Morningstar Investment Management LLC Analysis

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

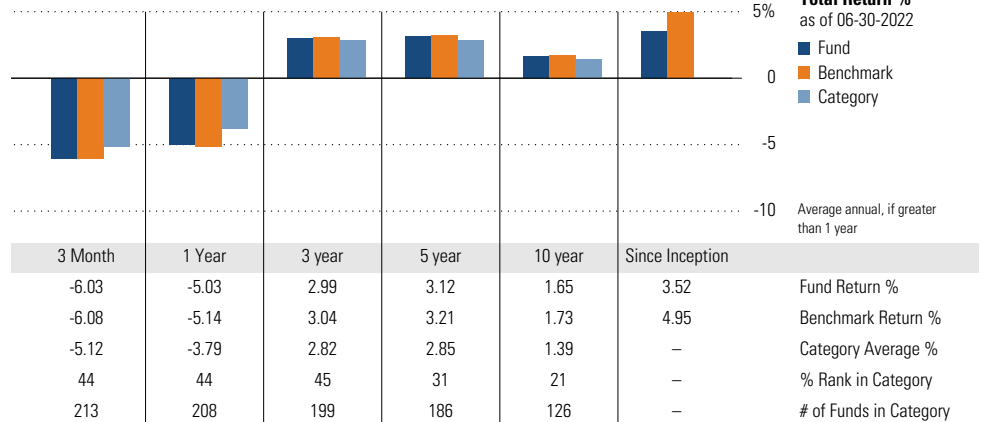
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022

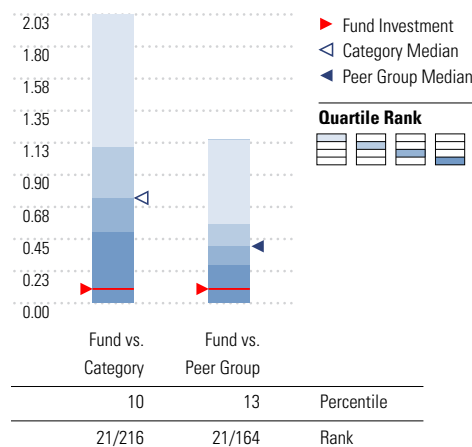
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.12	-	0.12
Beta	0.94	-	0.90
R-Squared	98.95	-	81.19
Standard Deviation	4.75	5.01	5.14
Sharpe Ratio	0.52	0.51	0.51
Tracking Error	0.57	-	2.40
Information Ratio	-0.09	-	-0.31
Up Capture Ratio	94.57	-	90.59
Down Capture Ratio	92.65	-	89.58

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.37	4.52	6.23
Avg Eff Maturity	7.70	-	7.41

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

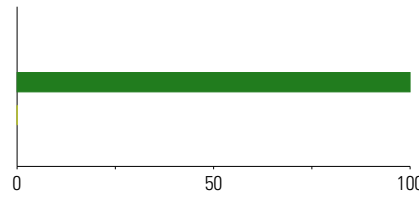
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

**Style Analysis** as of 06-30-2022

**Style Breakdown**



**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	0.00	0.11
Non-US Stocks	0.00	0.00
Bonds	99.99	94.74
Cash	0.01	4.31
Other	0.00	0.83
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	99.96	0.00	87.52
AA	0.00	99.60	8.49
A	0.00	0.00	0.26
BBB	0.00	0.00	0.89
BB	0.00	0.00	0.23
B	0.00	0.00	0.05
Below B	0.00	0.00	0.10
Not Rated	0.04	0.40	2.46

**Sector Weighting** as of 06-30-2022



**Top 10 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes	-	6.32	6.32	-
⊕ United States Treasury Notes	-	4.11	10.44	-
⊖ United States Treasury Notes	-	3.73	14.17	-
⊕ United States Treasury Notes	-	3.54	17.71	-
⊕ United States Treasury Notes	-	3.33	21.04	-
United States Treasury Notes	-	3.23	24.27	-
⊖ United States Treasury Notes	-	2.99	27.26	-
United States Treasury Notes	-	2.88	30.14	-
⊕ United States Treasury Notes	-	2.80	32.94	-
⊖ United States Treasury Notes	-	2.74	35.68	-

**Total Holdings 49**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard Mid Cap Index Admiral VIMAX

**Morningstar Category**  
Mid-Cap Blend

**Morningstar Index**  
Russell Mid Cap TR USD

## Portfolio Manager(s)

Donald Butler since 05-1998

Awais Khan since 07-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 24.13 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.68% lower than the Mid-Cap Blend category average.

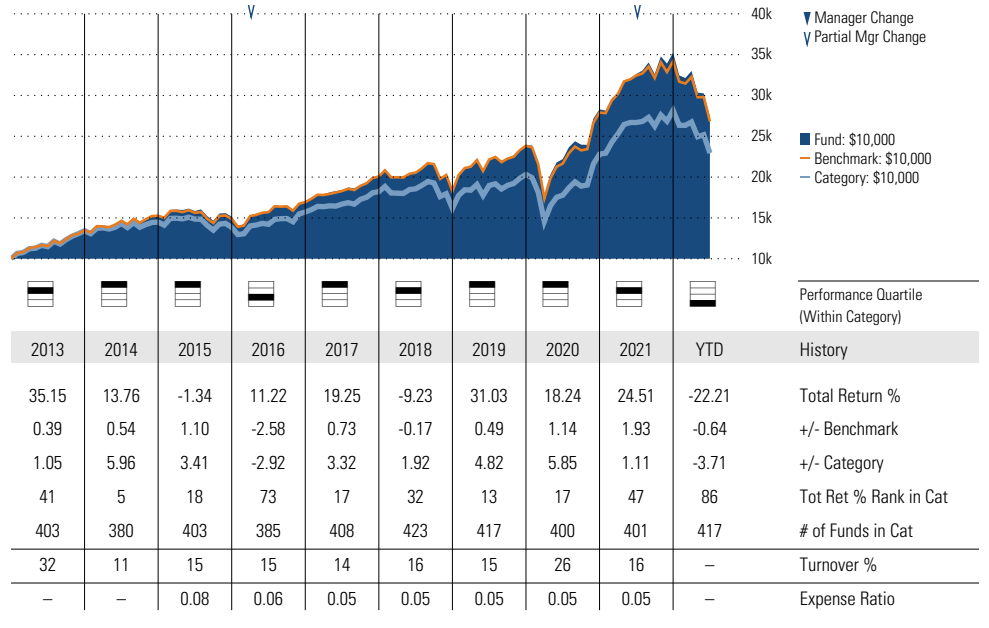
## Morningstar Investment Management LLC Analysis

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

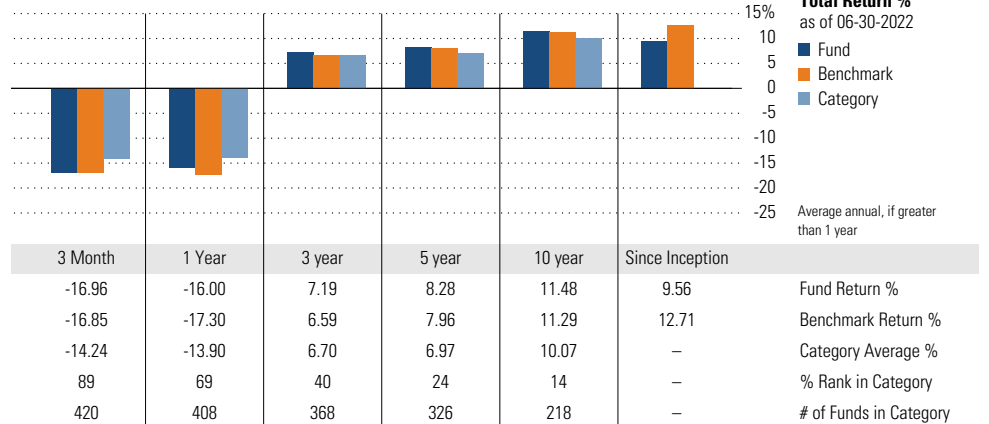
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

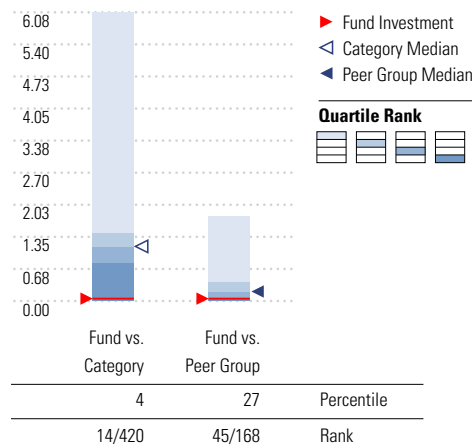
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.64	-	0.35
Beta	0.98	-	0.97
R-Squared	99.55	-	93.64
Standard Deviation	21.25	21.66	21.71
Sharpe Ratio	0.41	0.38	0.38
Tracking Error	1.50	-	5.49
Information Ratio	0.40	-	-0.07
Up Capture Ratio	99.21	-	97.09
Down Capture Ratio	96.78	-	96.35

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.42	15.70	13.00
Price/Book Ratio	2.72	2.55	2.30
Geom Avg Mkt Cap \$B	21.17	16.08	9.35
ROE	19.38	19.50	20.14

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

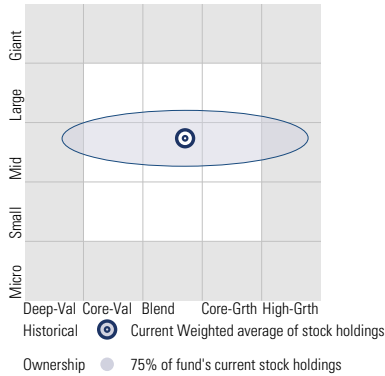
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 06-30-2022

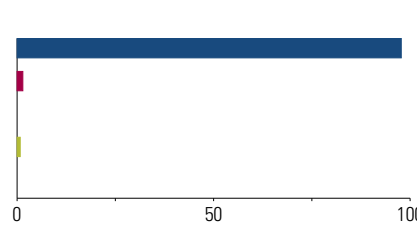
Morningstar Style Box™



## Style Breakdown

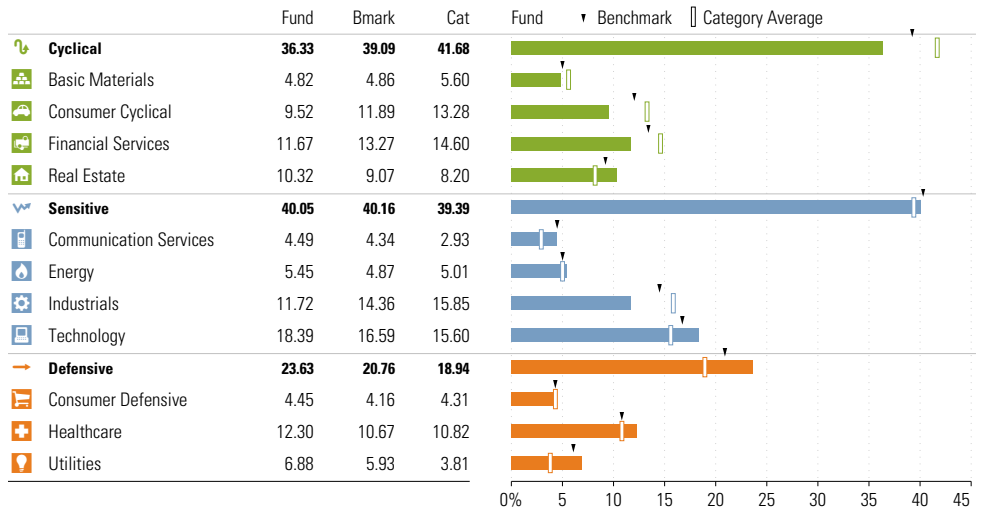


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	97.75	95.90
Non-US Stocks	1.46	1.87
Bonds	0.00	-0.07
Cash	0.79	1.87
Other	0.00	0.42
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Centene Corp	0.86	0.86	2.68	Healthcare
⊕ Synopsys Inc	0.81	1.67	-17.58	Technology
⊕ Cadence Design Systems Inc	0.72	2.39	-19.49	Technology
⊕ IQVIA Holdings Inc	0.72	3.11	-23.09	Healthcare
⊕ Realty Income Corp	0.72	3.83	-2.58	Real Estate
⊕ Corvea Inc	0.68	4.51	15.10	Basic Materials
⊕ Amphenol Corp Class A	0.67	5.18	-25.93	Technology
⊕ Welltower OP LLC	0.65	5.83	-2.57	Real Estate
⊕ Digital Realty Trust Inc	0.64	6.48	-25.22	Real Estate
⊕ Devon Energy Corp	0.63	7.11	30.26	Energy
⊕ Motorola Solutions Inc	0.61	7.72	-22.27	Technology
⊕ SBA Communications Corp	0.60	8.33	-17.36	Real Estate
⊕ Arthur J. Gallagher & Co	0.60	8.92	-3.31	Financial Services
⊕ Consolidated Edison Inc	0.59	9.51	13.31	Utilities
⊖ Dollar Tree Inc	0.58	10.09	10.91	Consumer Defensive

**Total Holdings 380**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Small Cap Index Adm VSMAX

**Morningstar Category**  
Small Blend

**Morningstar Index**  
Russell 2000 TR USD

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 6.18 years.

✘ **Style:** The fund has landed in its primary style box — Small Blend — 57.14 % of the time over the past three years.

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

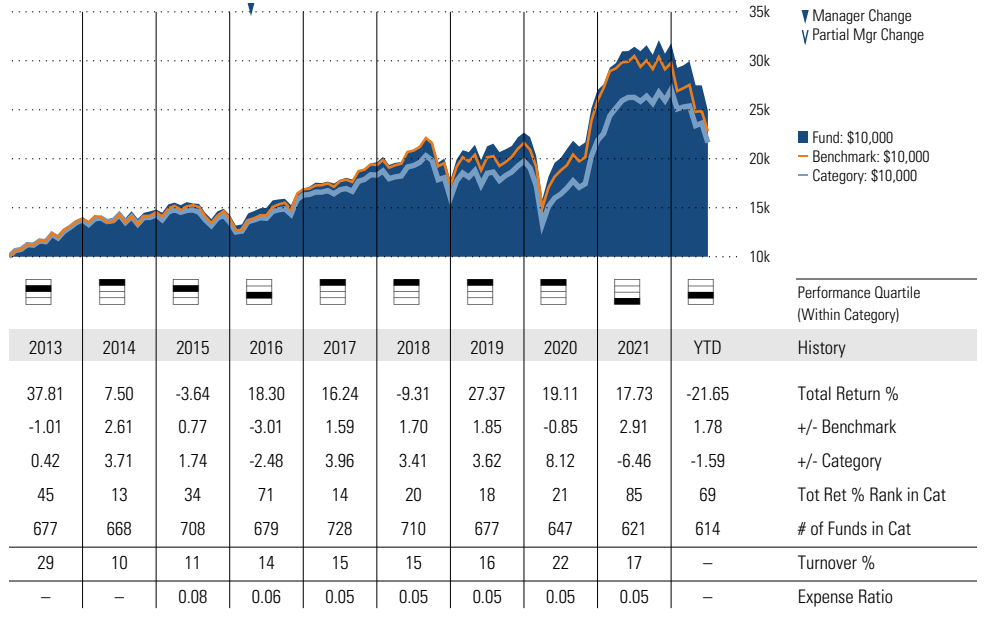
## Morningstar Investment Management LLC Analysis

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

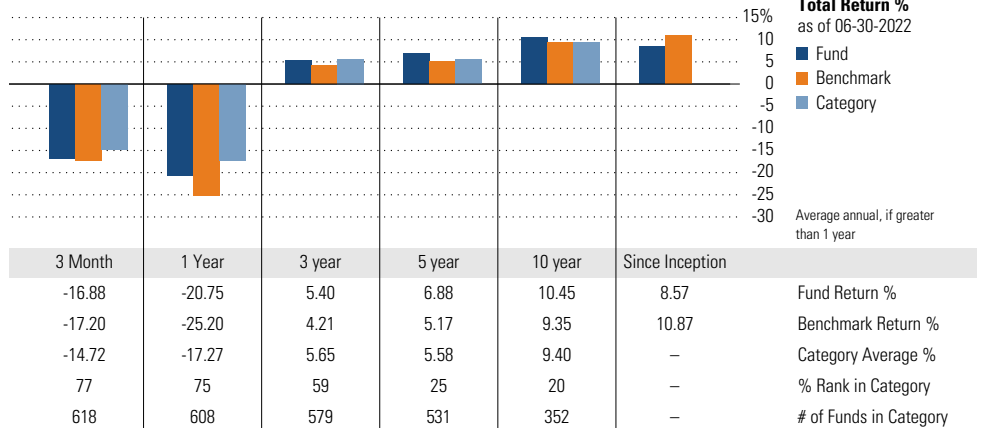
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2022
Carbon Risk Score	Medium Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

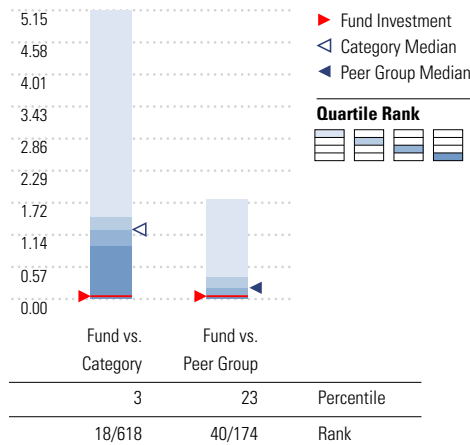
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.30	—	1.37
Beta	0.95	—	0.95
R-Squared	97.29	—	93.43
Standard Deviation	23.28	24.26	23.91
Sharpe Ratio	0.32	0.27	0.32
Tracking Error	4.05	—	6.01
Information Ratio	0.29	—	0.06
Up Capture Ratio	96.51	—	98.16
Down Capture Ratio	92.36	—	94.40

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	12.56	11.79	12.28
Price/Book Ratio	2.03	1.78	1.96
Geom Avg Mkt Cap \$B	4.65	2.01	3.93
ROE	14.54	8.51	18.29

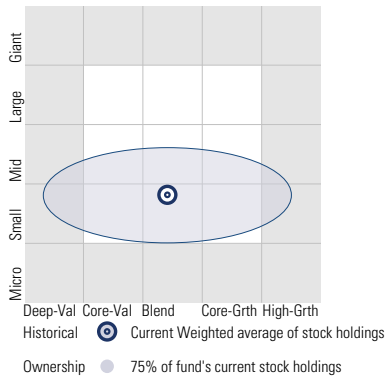
# Vanguard Small Cap Index Adm VSMAX

**Morningstar Category**  
Small Blend

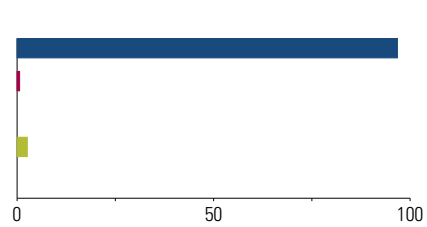
**Morningstar Index**  
Russell 2000 TR USD

## Style Analysis as of 06-30-2022

Morningstar Style Box™

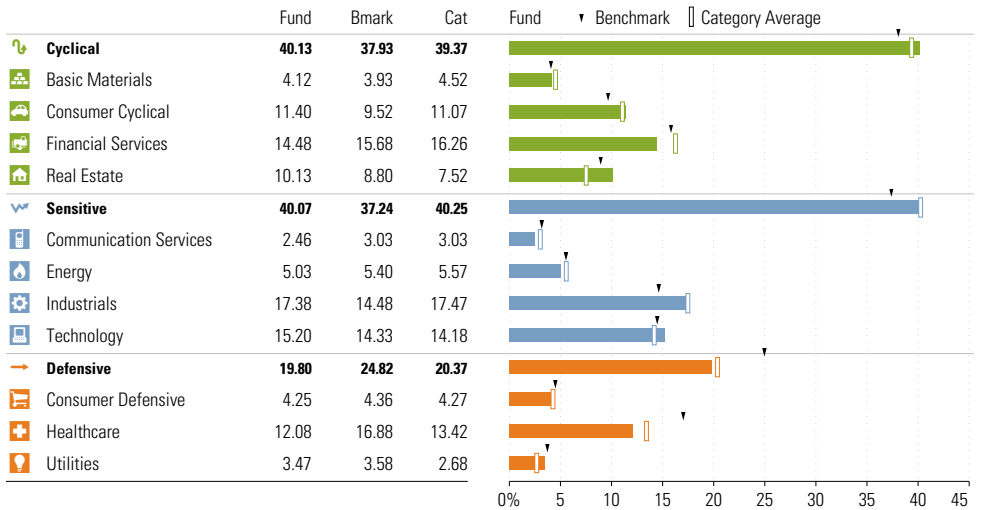


## Asset Allocation as of 06-30-2022

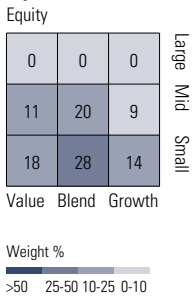


Asset Class	Net %	Cat%
US Stocks	96.77	96.29
Non-US Stocks	0.64	1.88
Bonds	0.00	0.38
Cash	2.59	1.30
Other	0.00	0.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Style Breakdown



## Top 15 Holdings as of 06-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	1.79	1.79	—	—
⊕ Mktliq 12/31/2049	0.73	2.52	—	—
⊕ Quanta Services Inc	0.41	2.93	9.50	Industrials
⊕ Molina Healthcare Inc	0.37	3.30	-12.09	Healthcare
⊕ Atmos Energy Corp	0.36	3.66	8.29	Utilities
⊕ LPL Financial Holdings Inc	0.32	3.98	15.55	Financial Services
⊕ IDEX Corp	0.32	4.29	-22.66	Industrials
⊕ Bunge Ltd	0.31	4.61	-1.74	Consumer Defensive
⊕ Targa Resources Corp	0.31	4.92	15.56	Energy
⊕ Bio-Techne Corp	0.31	5.23	-32.87	Healthcare
⊕ Brown & Brown Inc	0.30	5.53	-16.70	Financial Services
⊕ Entegris Inc	0.29	5.81	-33.37	Technology
⊖ Carlisle Companies Inc	0.28	6.10	-3.40	Industrials
⊕ Liberty Formula One Group C	0.28	6.38	0.36	Communication Svc
⊕ Kimco Realty Corp	0.28	6.65	-18.22	Real Estate

**Total Holdings 1533**

⊕ 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 9.36 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.

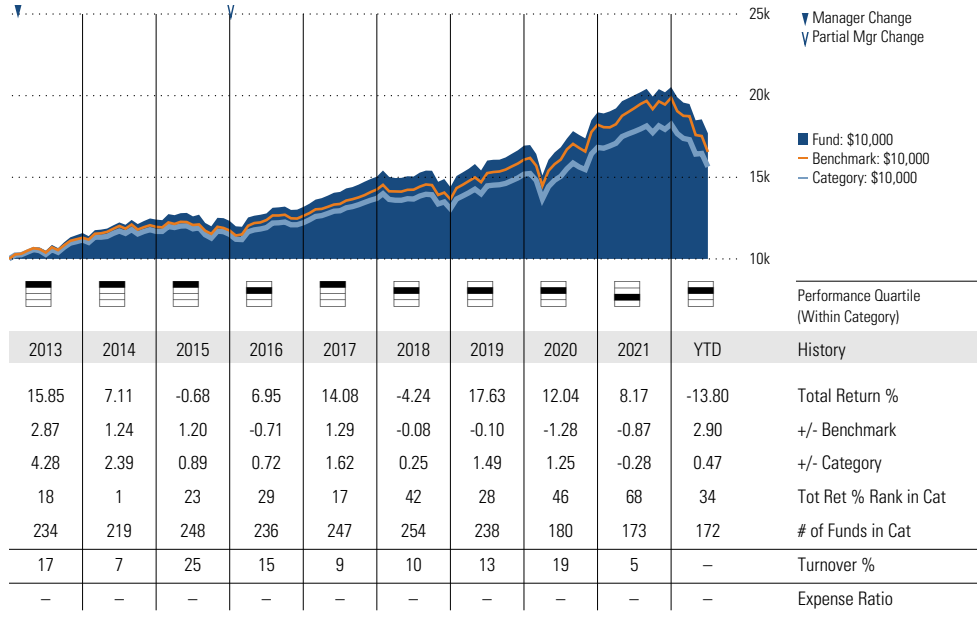
## Morningstar Investment Management LLC Analysis

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.

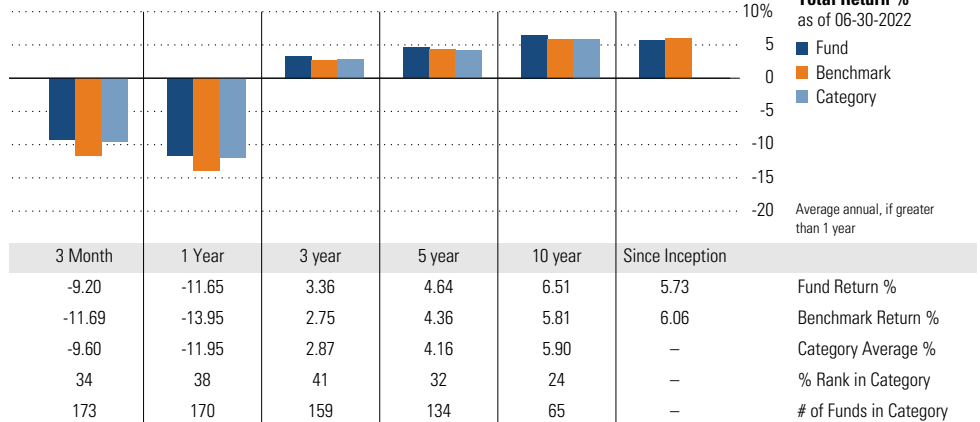
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

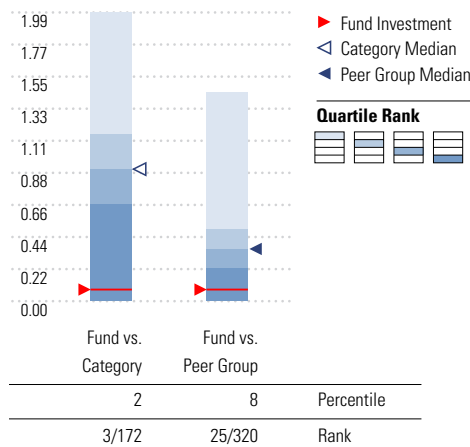
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.79	-	0.20
Beta	0.92	-	0.91
R-Squared	98.10	-	95.98
Standard Deviation	9.81	10.61	9.84
Sharpe Ratio	0.33	0.25	0.26
Tracking Error	1.62	-	2.31
Information Ratio	0.38	-	0.02
Up Capture Ratio	93.18	-	89.71
Down Capture Ratio	87.05	-	87.91

## Portfolio Metrics

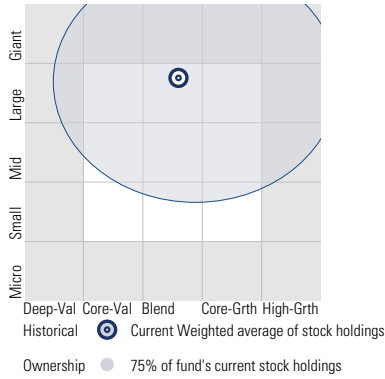
	Fund	Bmark	Cat
Price/Earnings Ratio	14.30	15.09	15.28
Price/Book Ratio	2.14	2.24	2.32
Avg Eff Duration	6.25	-	5.88

# Vanguard Target Retirement 2020 Fund VTWNX

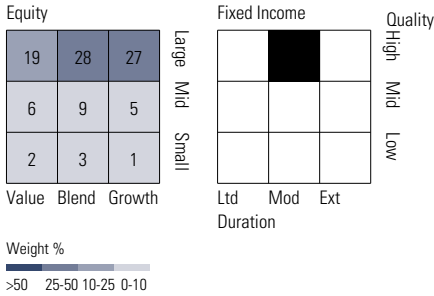
**Morningstar Category**  
Target-Date 2020

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

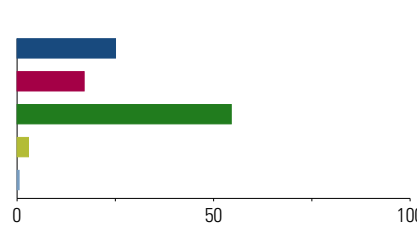
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

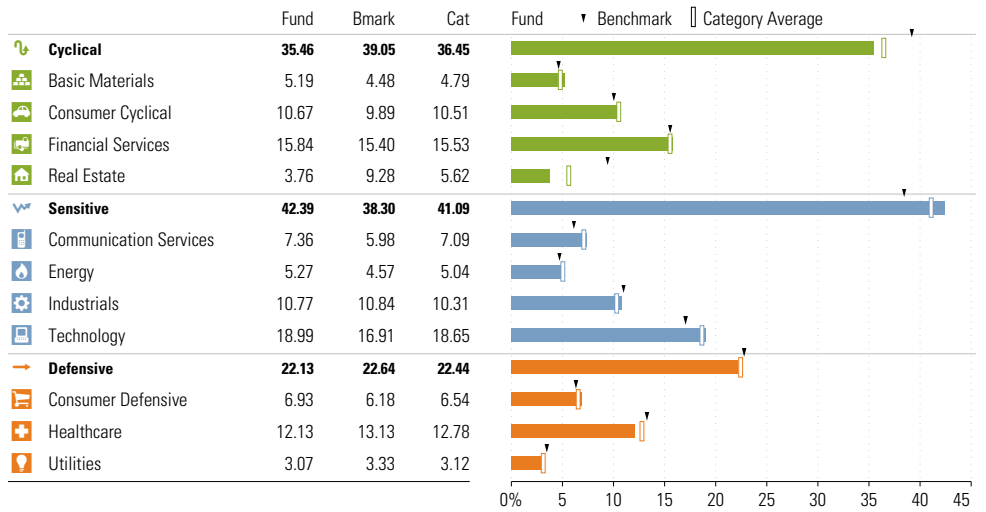


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	25.04	26.18
Non-US Stocks	17.06	14.33
Bonds	54.49	47.75
Cash	2.90	3.18
Other	0.51	8.56
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	–	31.43	31.43	–	–
⊖ Vanguard Total Stock Mkt Idx Instl Pls	–	25.38	56.81	–	–
⊖ Vanguard Total Intl Stock Index Inv	–	17.48	74.28	–	–
⊖ Vanguard Total Intl Bd II Idx Instl	–	14.00	88.29	–	–
⊖ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	–	10.59	98.88	–	–
⊖ Mktliq 12/31/2049	–	1.12	100.00	–	–
⊕ Us Dollar	–	0.00	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 9.36 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 88.06% lower than the Target-Date 2025 category average.

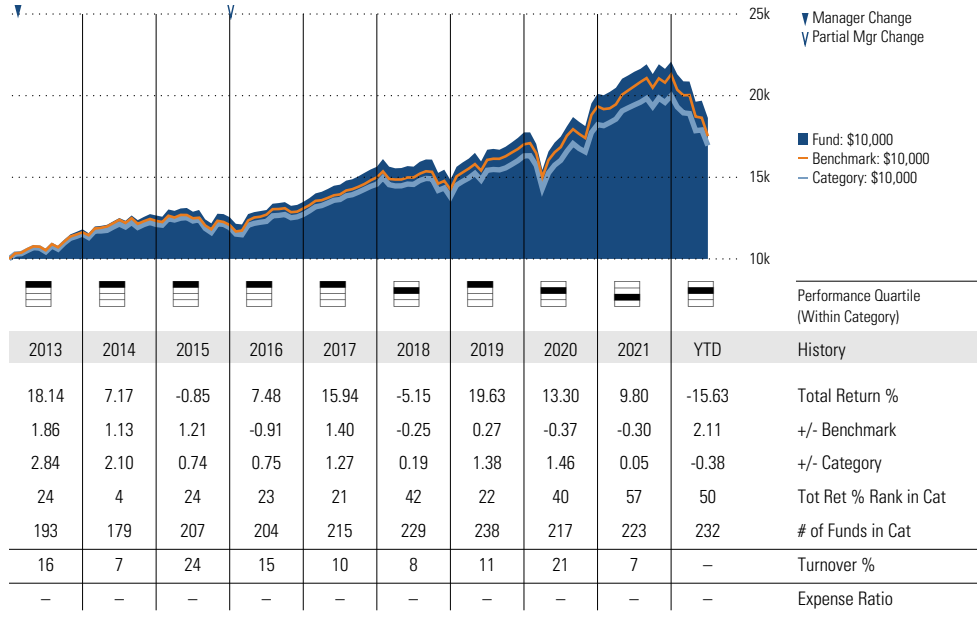
## Morningstar Investment Management LLC Analysis

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.

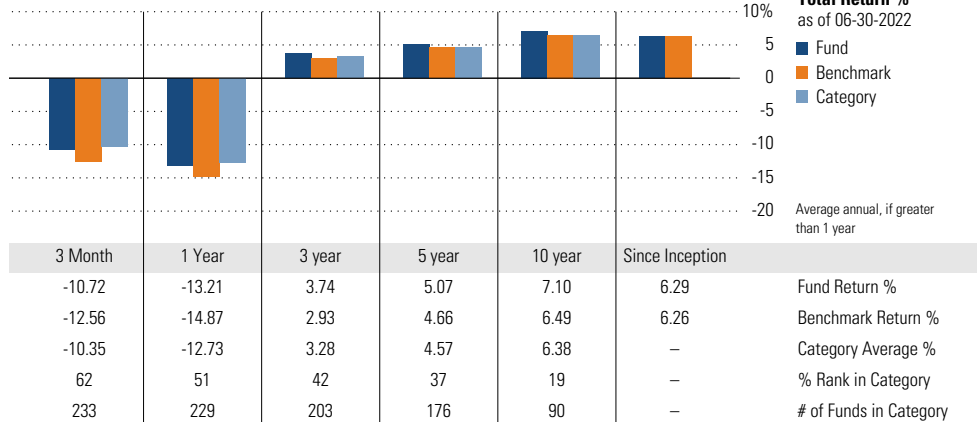
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

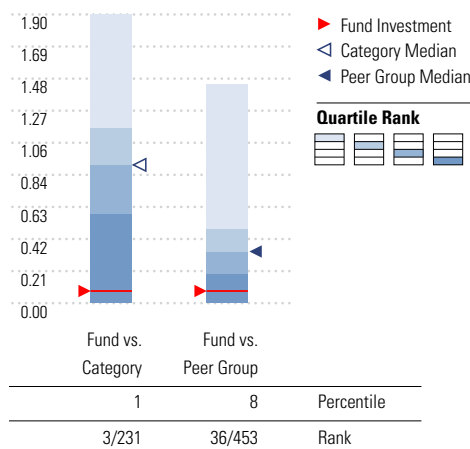
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.85	-	0.45
Beta	0.97	-	0.92
R-Squared	98.54	-	96.81
Standard Deviation	11.54	11.75	11.00
Sharpe Ratio	0.32	0.25	0.28
Tracking Error	1.43	-	2.34
Information Ratio	0.57	-	0.18
Up Capture Ratio	100.67	-	93.67
Down Capture Ratio	95.10	-	90.72

## Portfolio Metrics

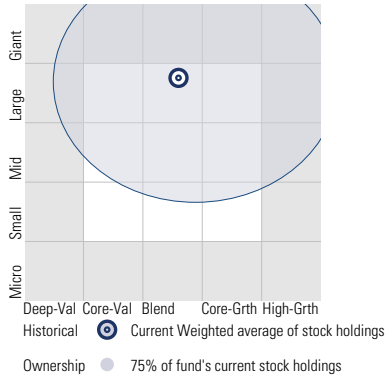
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.95	15.35
Price/Book Ratio	2.15	2.21	2.34
Avg Eff Duration	6.77	-	6.65

# Vanguard Target Retirement 2025 Fund VTTVX

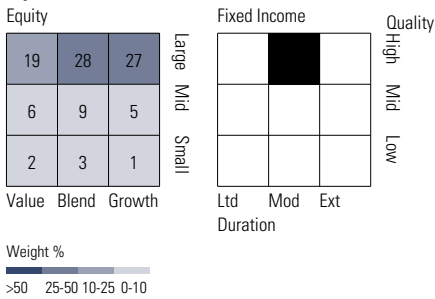
**Morningstar Category**  
Target-Date 2025

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

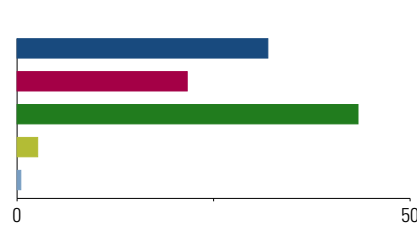
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

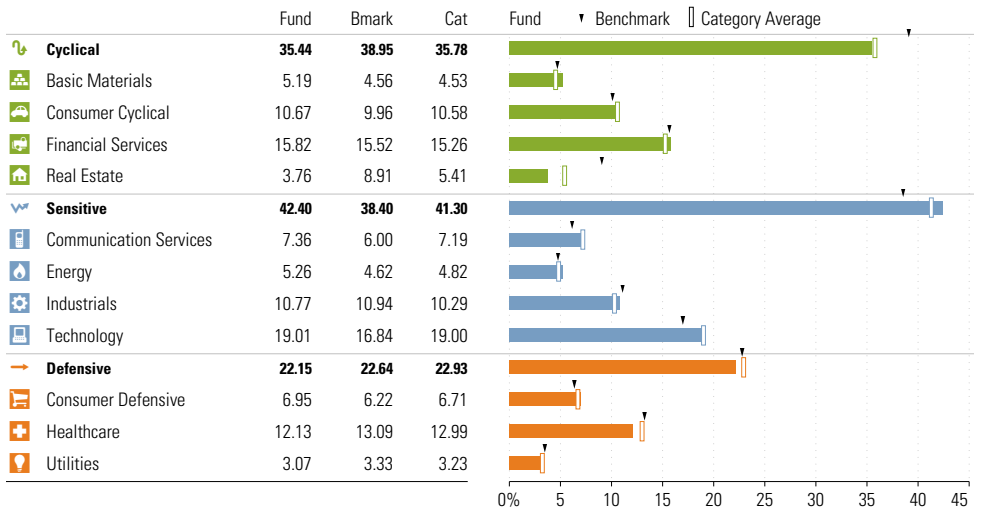


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	31.90	30.47
Non-US Stocks	21.64	15.59
Bonds	43.37	37.86
Cash	2.62	3.44
Other	0.47	12.65
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	32.33	32.33	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	28.58	60.90	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	22.17	83.07	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	12.67	95.75	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	3.15	98.89	-	-
⊖ Mktliq 12/31/2049	-	1.11	100.00	-	-
⊕ Us Dollar	-	0.00	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 9.36 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.24% lower than the Target-Date 2030 category average.

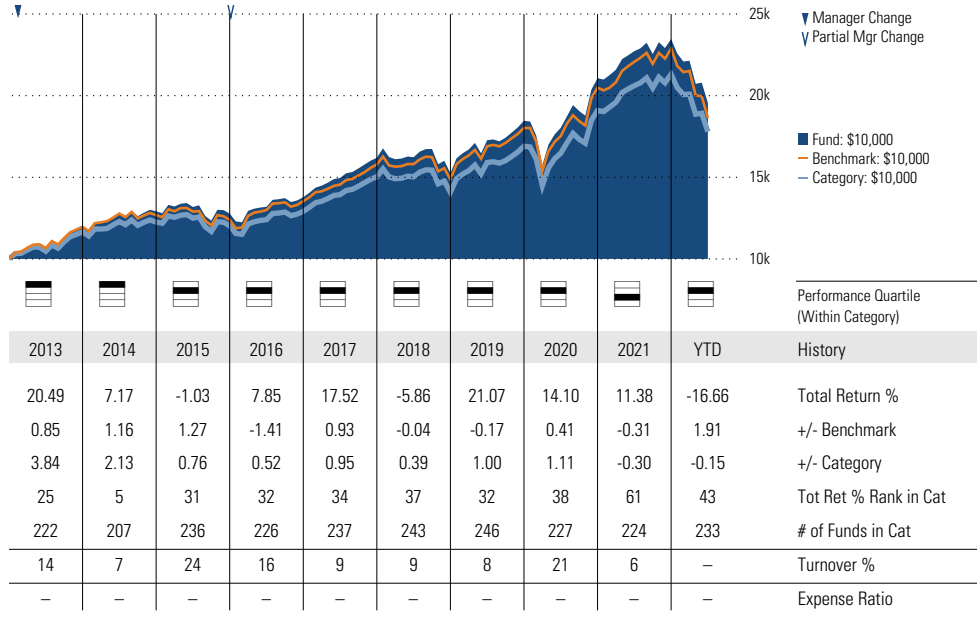
## Morningstar Investment Management LLC Analysis

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.

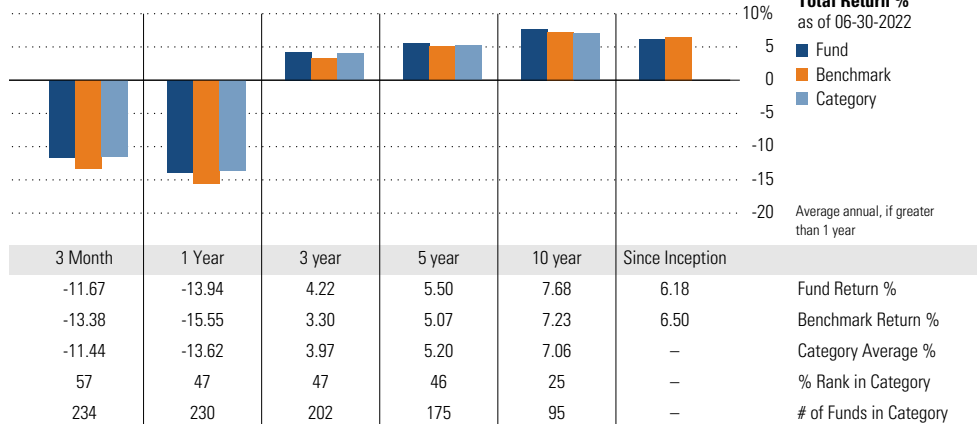
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

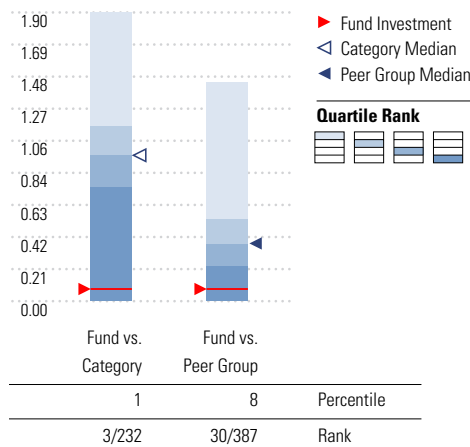
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.98	-	0.68
Beta	0.97	-	0.95
R-Squared	99.07	-	97.91
Standard Deviation	12.82	13.22	12.65
Sharpe Ratio	0.34	0.27	0.31
Tracking Error	1.32	-	2.12
Information Ratio	0.70	-	0.32
Up Capture Ratio	100.14	-	97.49
Down Capture Ratio	94.47	-	93.63

## Portfolio Metrics

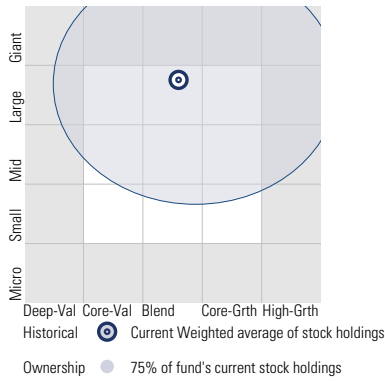
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.80	15.36
Price/Book Ratio	2.15	2.19	2.38
Avg Eff Duration	7.08	-	6.64

# Vanguard Target Retirement 2030 Fund VTHR

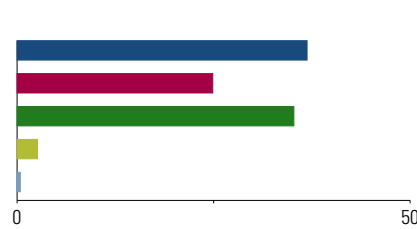
**Morningstar Category**  
Target-Date 2030

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

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

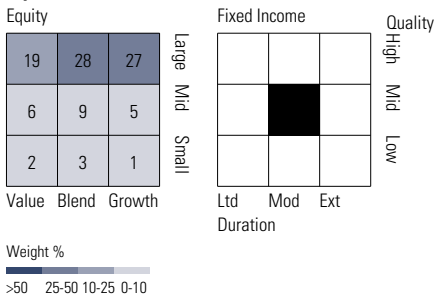


**Asset Allocation** as of 06-30-2022

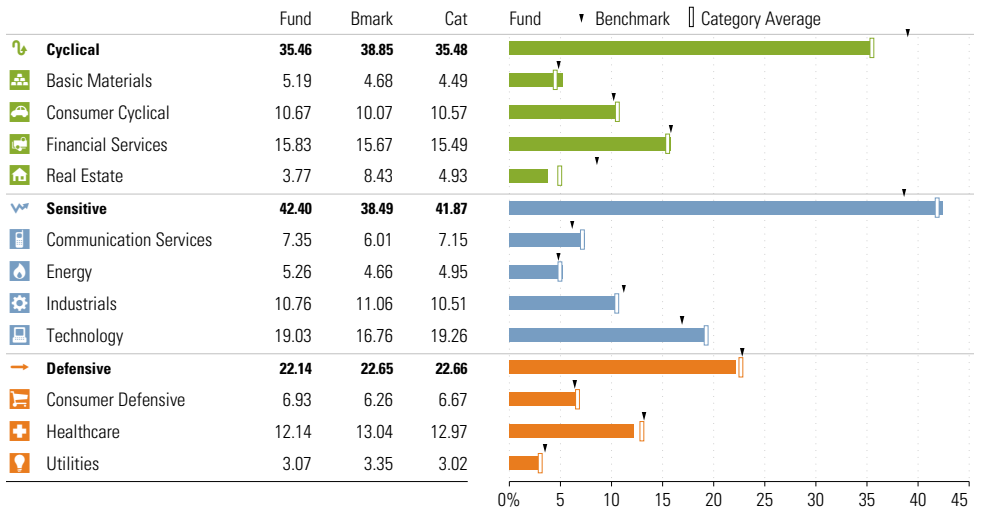


Asset Class	Net %	Cat%
US Stocks	36.89	37.57
Non-US Stocks	24.89	18.18
Bonds	35.21	28.20
Cash	2.59	2.28
Other	0.41	13.77
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Style Breakdown**



**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	37.38	37.38	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	25.49	62.88	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	24.97	87.85	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	10.99	98.84	-	-
⊕ Mktliq 12/31/2049	-	1.17	100.00	-	-
⊕ Us Dollar	-	0.00	100.01	-	-

**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 9.36 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 2035 category average.

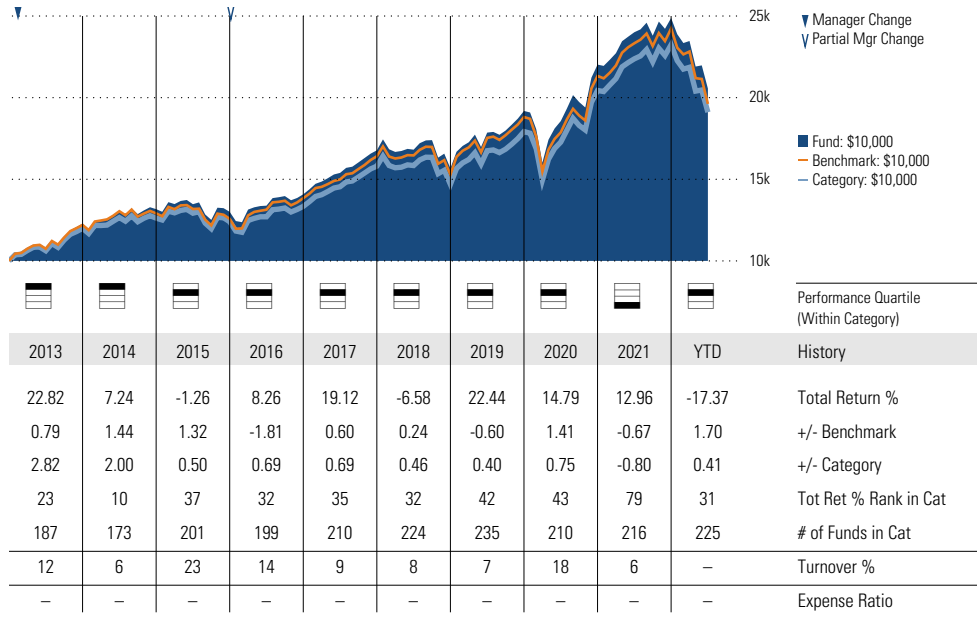
## Morningstar Investment Management LLC Analysis

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.

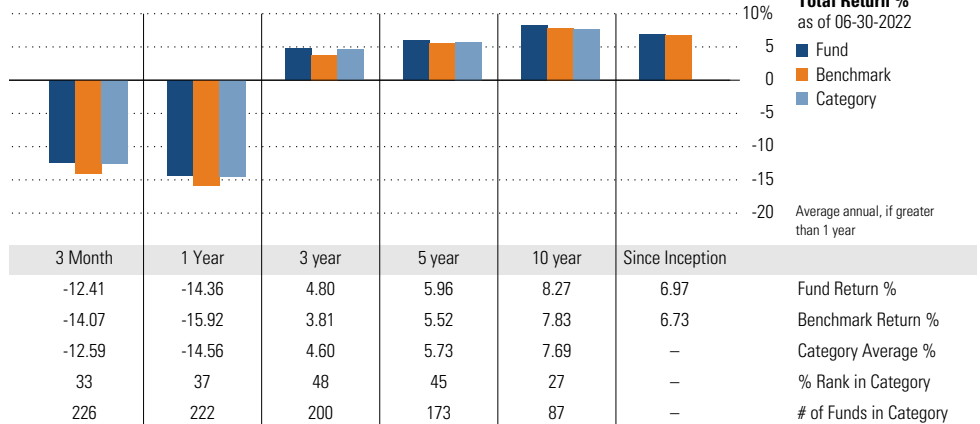
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

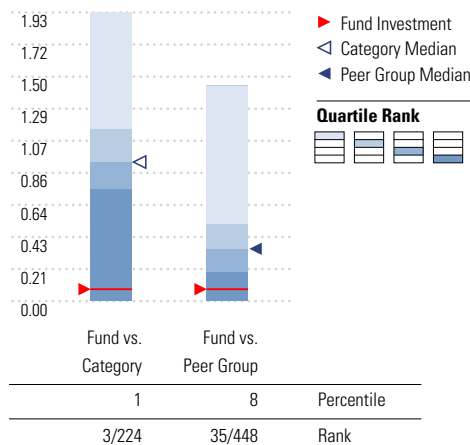
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.12	-	0.86
Beta	0.94	-	0.96
R-Squared	99.34	-	98.36
Standard Deviation	14.06	14.88	14.37
Sharpe Ratio	0.36	0.29	0.34
Tracking Error	1.43	-	2.09
Information Ratio	0.70	-	0.44
Up Capture Ratio	97.53	-	98.73
Down Capture Ratio	91.71	-	94.43

## Portfolio Metrics

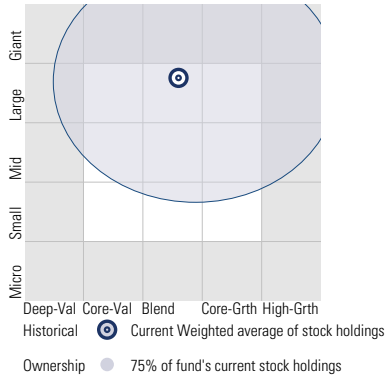
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.66	15.28
Price/Book Ratio	2.15	2.16	2.34
Avg Eff Duration	7.08	-	6.63

# Vanguard Target Retirement 2035 Fund VTTX

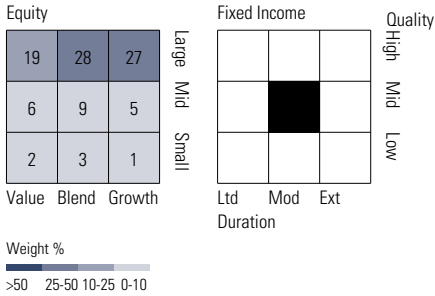
**Morningstar Category**  
Target-Date 2035

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

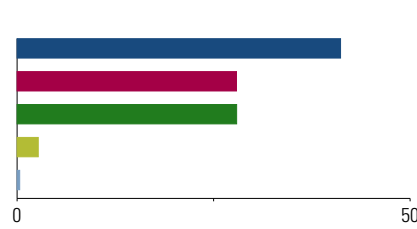
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

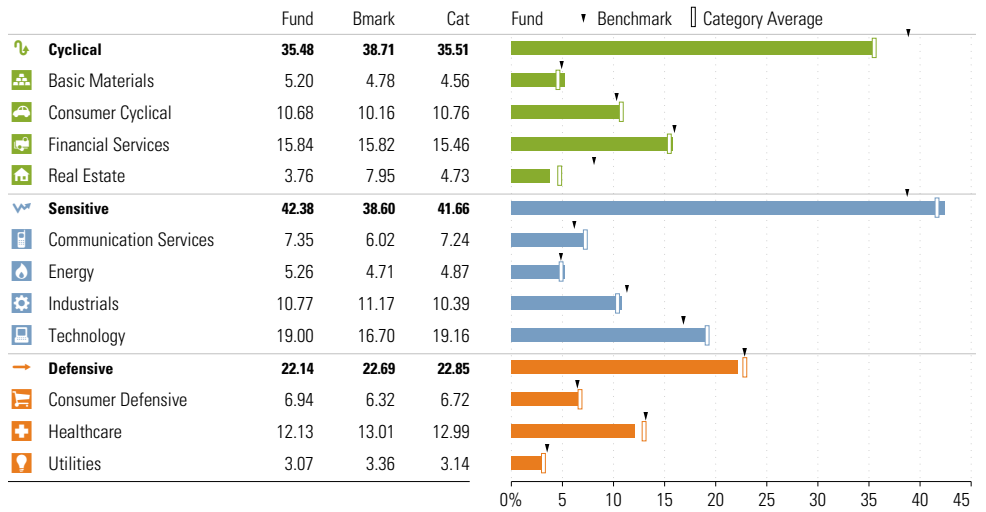


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	41.15	43.47
Non-US Stocks	27.91	22.72
Bonds	27.93	19.22
Cash	2.69	2.45
Other	0.33	12.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	41.70	41.70	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	28.59	70.28	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	19.78	90.06	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	8.74	98.80	-	-
⊕ Mktliq 12/31/2049	-	1.23	100.03	-	-
⊕ Us Dollar	-	0.03	100.07	-	-

**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 9.36 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2040 category average.

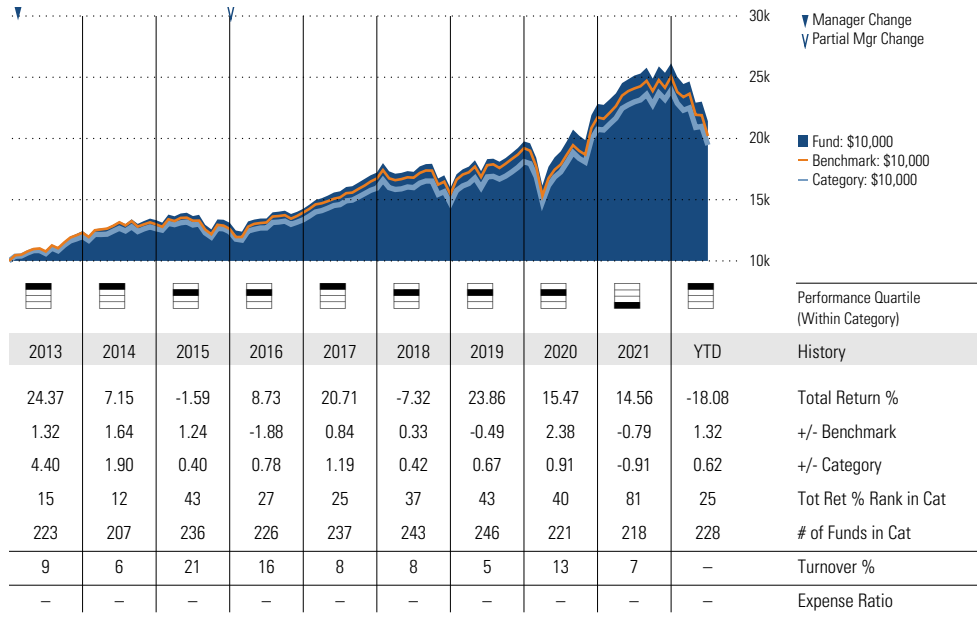
## Morningstar Investment Management LLC Analysis

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.

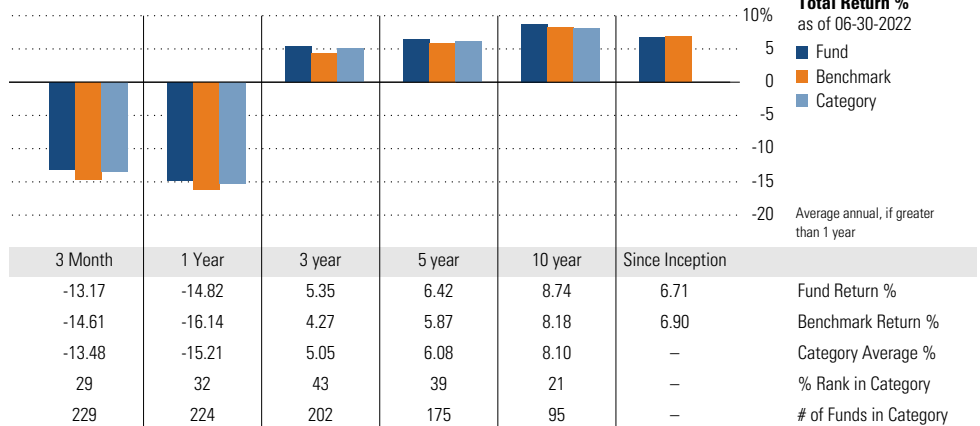
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

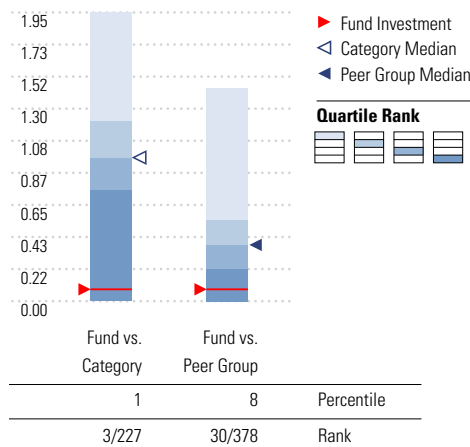
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.24	-	0.87
Beta	0.93	-	0.95
R-Squared	99.30	-	98.43
Standard Deviation	15.30	16.33	15.67
Sharpe Ratio	0.38	0.30	0.35
Tracking Error	1.68	-	2.18
Information Ratio	0.64	-	0.41
Up Capture Ratio	96.90	-	98.23
Down Capture Ratio	91.09	-	94.31

## Portfolio Metrics

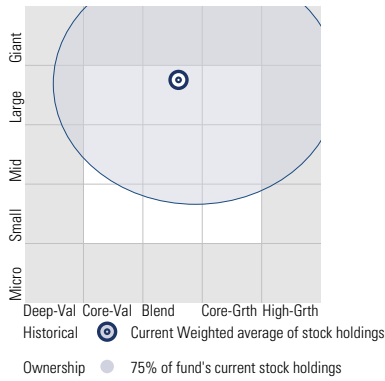
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.53	15.18
Price/Book Ratio	2.15	2.13	2.31
Avg Eff Duration	7.08	-	6.62

# Vanguard Target Retirement 2040 Fund VFORX

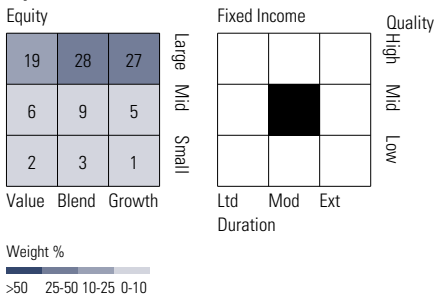
**Morningstar Category**  
Target-Date 2040

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

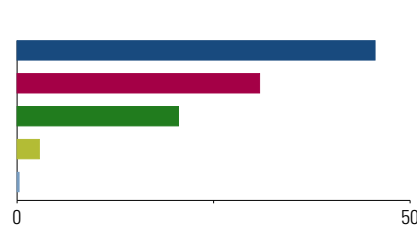
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

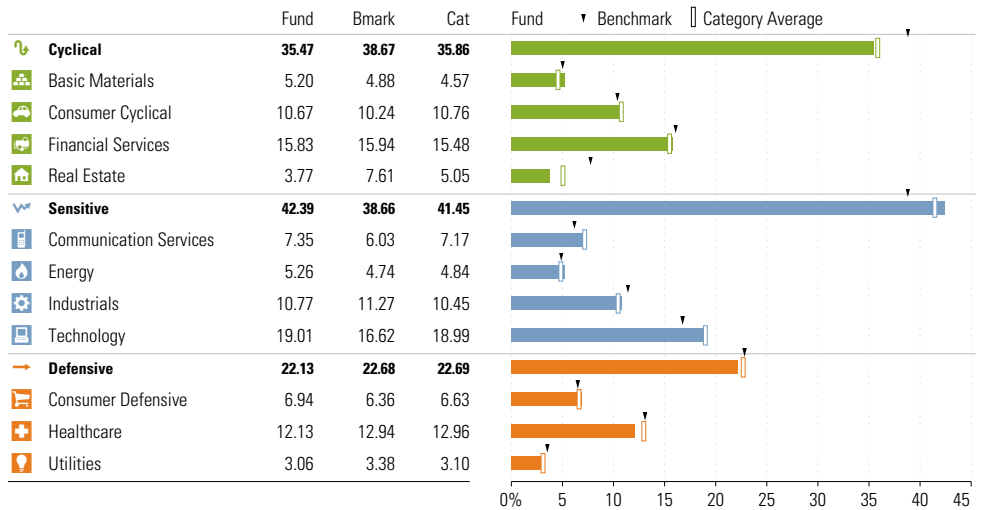


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	45.54	49.58
Non-US Stocks	30.85	26.56
Bonds	20.53	11.76
Cash	2.83	1.92
Other	0.25	10.17
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	46.15	46.15	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	31.60	77.75	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	14.60	92.35	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	6.36	98.71	-	-
⊕ Mktliq 12/31/2049	-	1.29	100.00	-	-
⊕ Us Dollar	-	0.00	100.01	-	-

**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 9.36 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2045 category average.

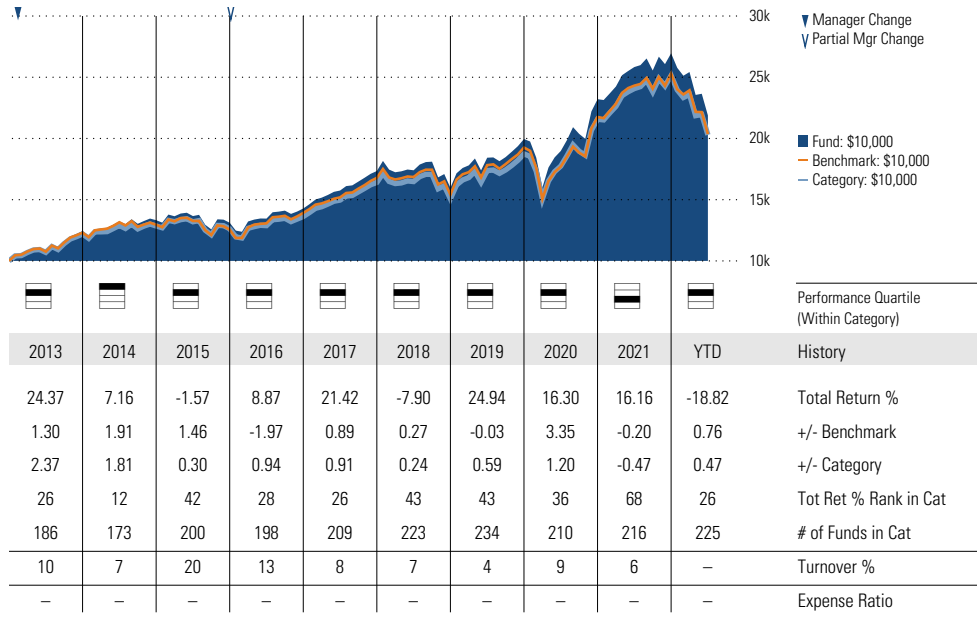
## Morningstar Investment Management LLC Analysis

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.

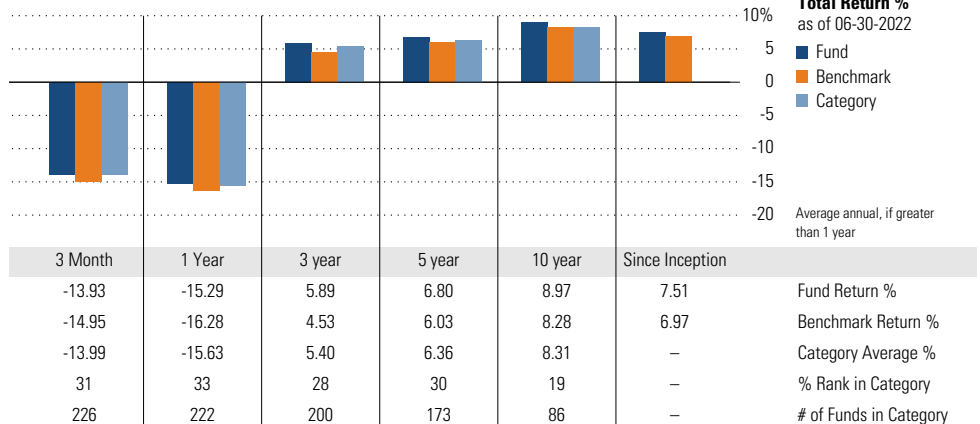
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

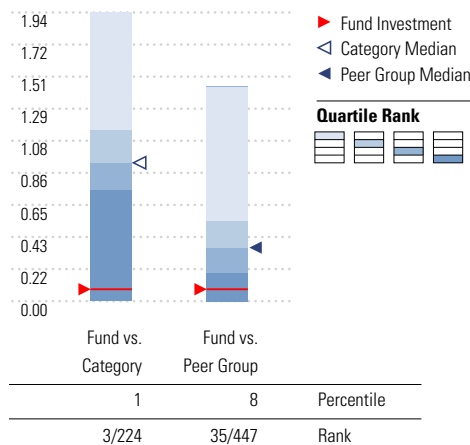
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.43	-	0.91
Beta	0.96	-	0.95
R-Squared	99.20	-	98.38
Standard Deviation	16.55	17.20	16.52
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.65	-	2.24
Information Ratio	0.83	-	0.41
Up Capture Ratio	100.03	-	98.54
Down Capture Ratio	93.77	-	94.68

## Portfolio Metrics

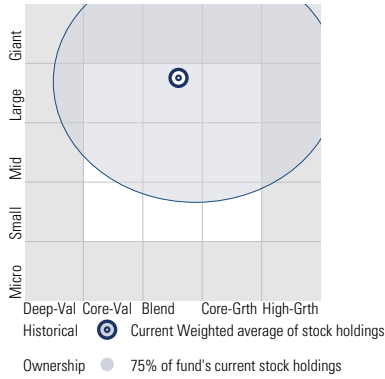
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.41	15.24
Price/Book Ratio	2.15	2.11	2.31
Avg Eff Duration	7.09	-	6.62

# Vanguard Target Retirement 2045 Fund VTIVX

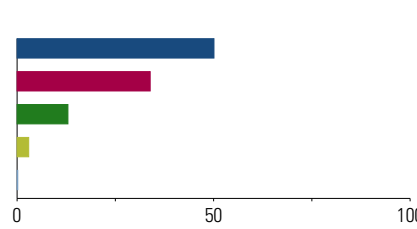
**Morningstar Category**  
Target-Date 2045

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

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

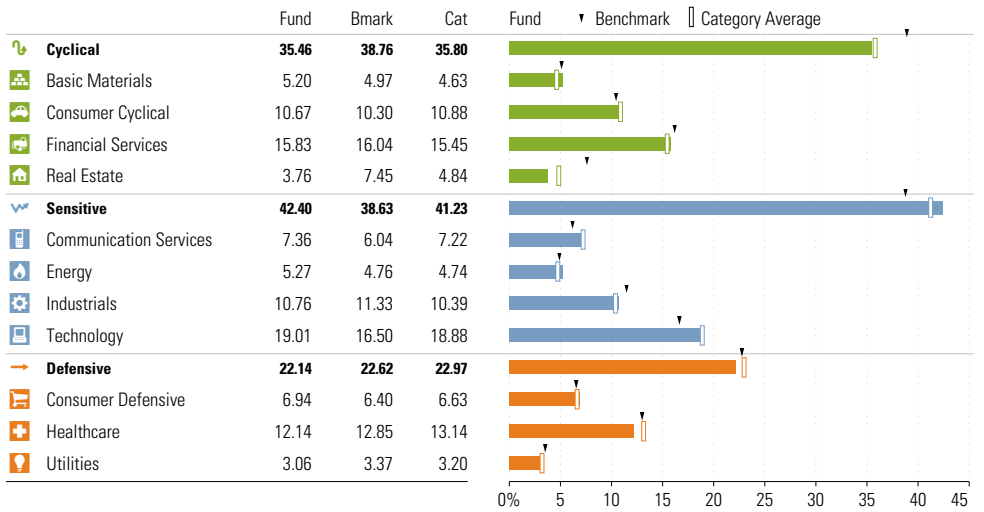


**Asset Allocation** as of 06-30-2022

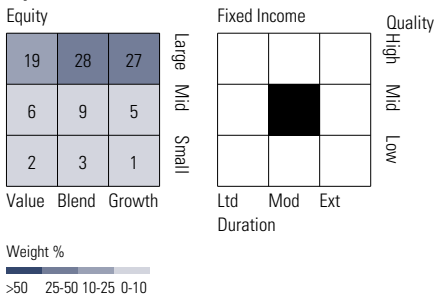


Asset Class	Net %	Cat%
US Stocks	50.09	52.43
Non-US Stocks	33.86	28.49
Bonds	12.93	6.70
Cash	2.95	2.03
Other	0.17	10.33
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	50.76	50.76	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	34.68	85.44	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	9.15	94.58	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	4.06	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 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 9.36 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2050 category average.

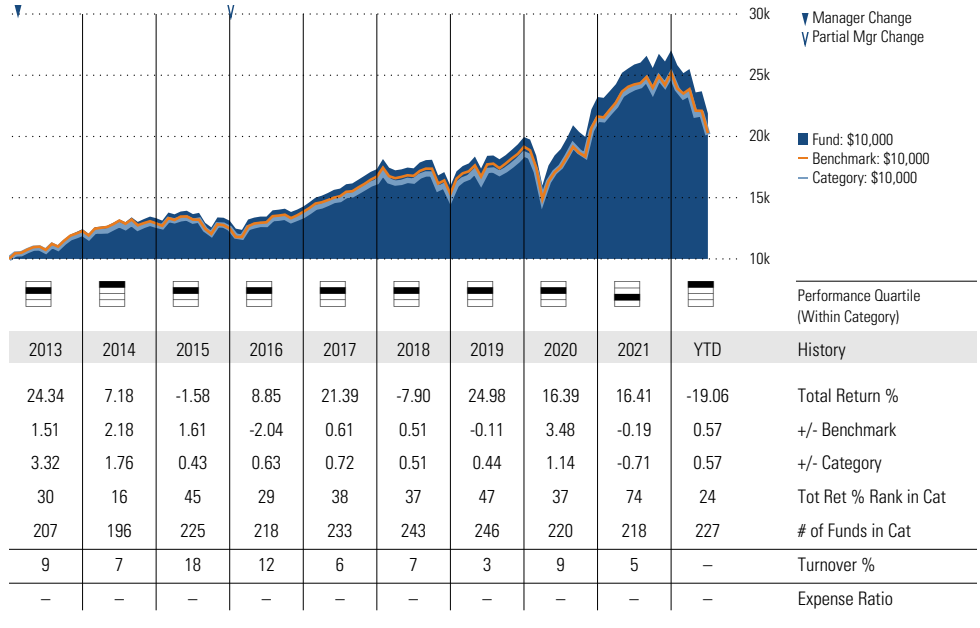
## Morningstar Investment Management LLC Analysis

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.

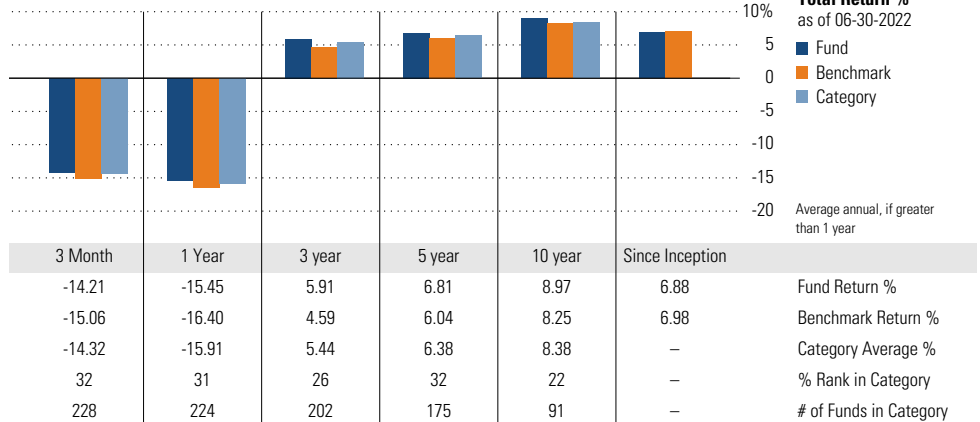
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

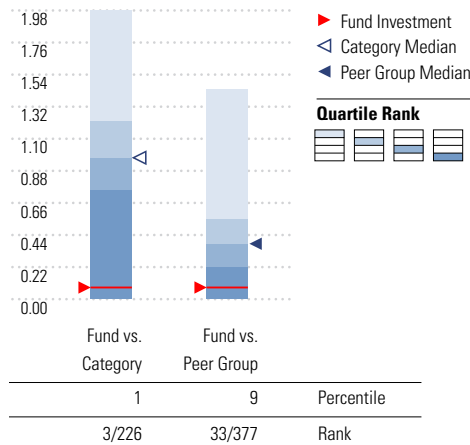
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.43	-	0.88
Beta	0.95	-	0.95
R-Squared	99.12	-	98.30
Standard Deviation	16.64	17.52	16.86
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.83	-	2.26
Information Ratio	0.72	-	0.36
Up Capture Ratio	99.07	-	98.79
Down Capture Ratio	92.95	-	95.18

## Portfolio Metrics

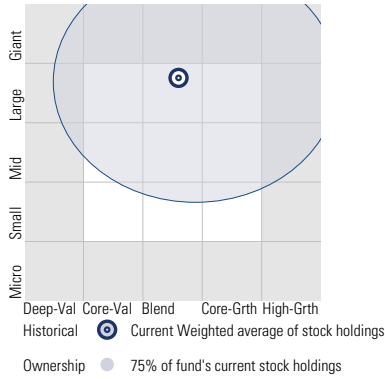
	Fund	Bmark	Cat
Price/Earnings Ratio	14.31	14.31	15.22
Price/Book Ratio	2.15	2.09	2.30
Avg Eff Duration	7.09	-	6.60

# Vanguard Target Retirement 2050 Fund VFIIFX

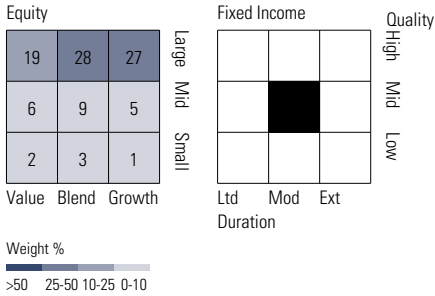
**Morningstar Category**  
Target-Date 2050

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

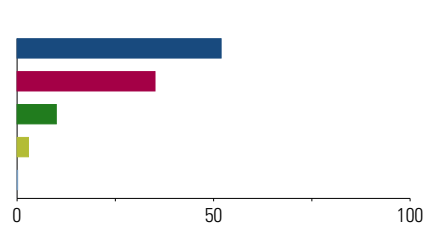
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

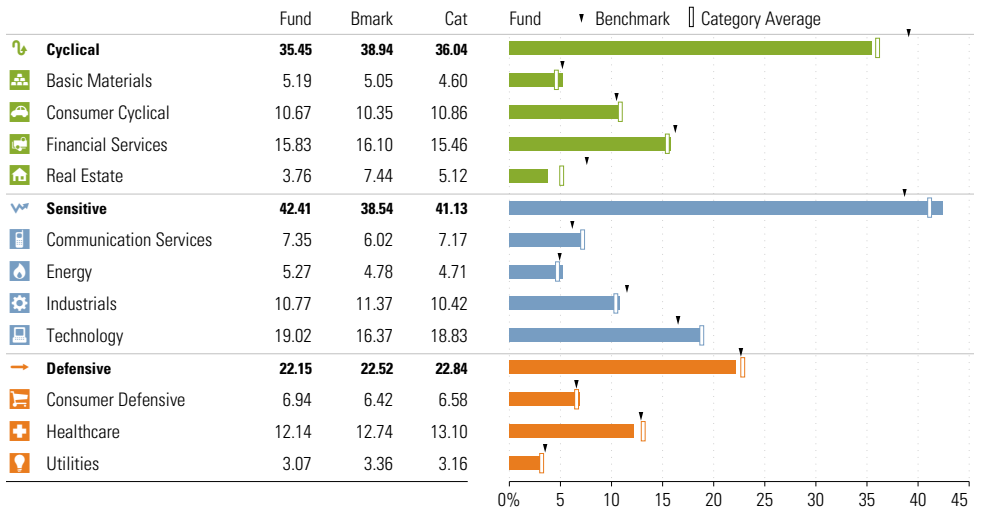


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	51.91	54.81
Non-US Stocks	35.09	29.45
Bonds	9.97	4.74
Cash	2.89	1.94
Other	0.14	9.06
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.61	52.61	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.94	88.55	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	7.00	95.55	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.18	98.73	-	-
⊕ Mktliq 12/31/2049	-	1.26	99.99	-	-
⊖ Us Dollar	-	0.01	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 9.36 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.

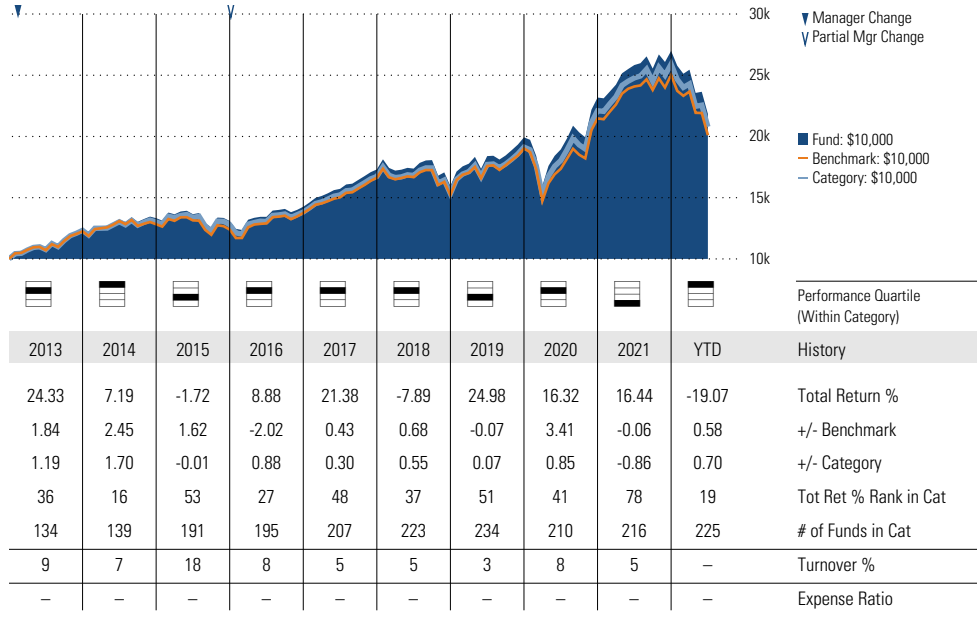
## Morningstar Investment Management LLC Analysis

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.

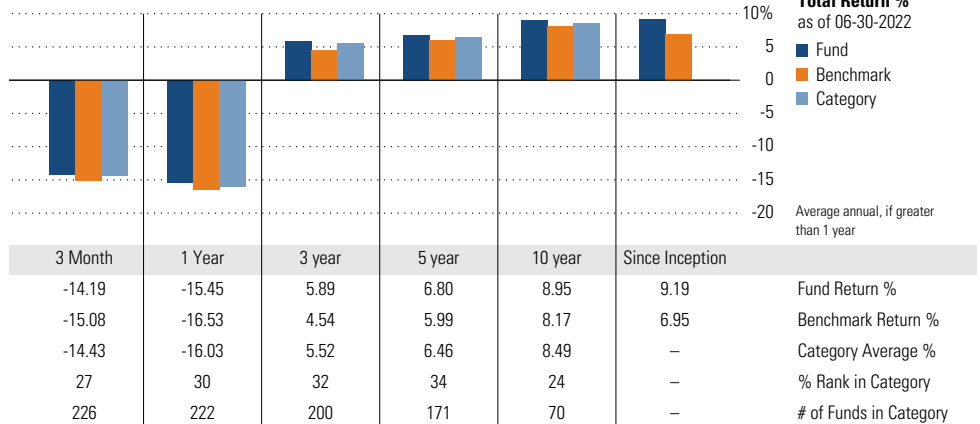
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

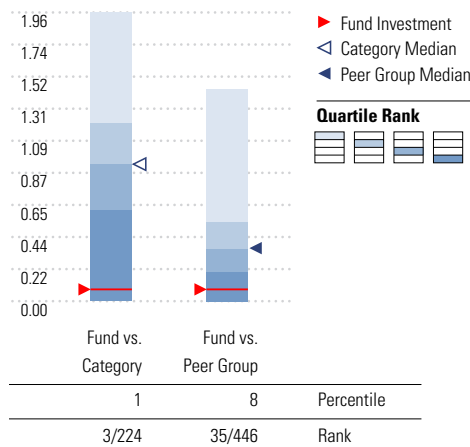
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.46	-	0.97
Beta	0.94	-	0.96
R-Squared	99.07	-	98.23
Standard Deviation	16.65	17.60	17.00
Sharpe Ratio	0.39	0.31	0.36
Tracking Error	1.91	-	2.29
Information Ratio	0.70	-	0.41
Up Capture Ratio	98.79	-	99.50
Down Capture Ratio	92.55	-	95.53

## Portfolio Metrics

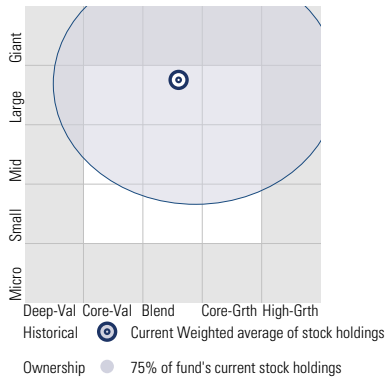
	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.22	14.97
Price/Book Ratio	2.15	2.07	2.26
Avg Eff Duration	7.09	-	6.65

# Vanguard Target Retirement 2055 Fund VFFVX

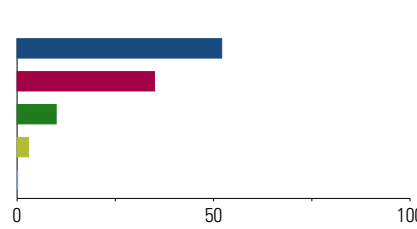
**Morningstar Category**  
Target-Date 2055

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

**Style Analysis** as of 06-30-2022  
Morningstar Style Box™

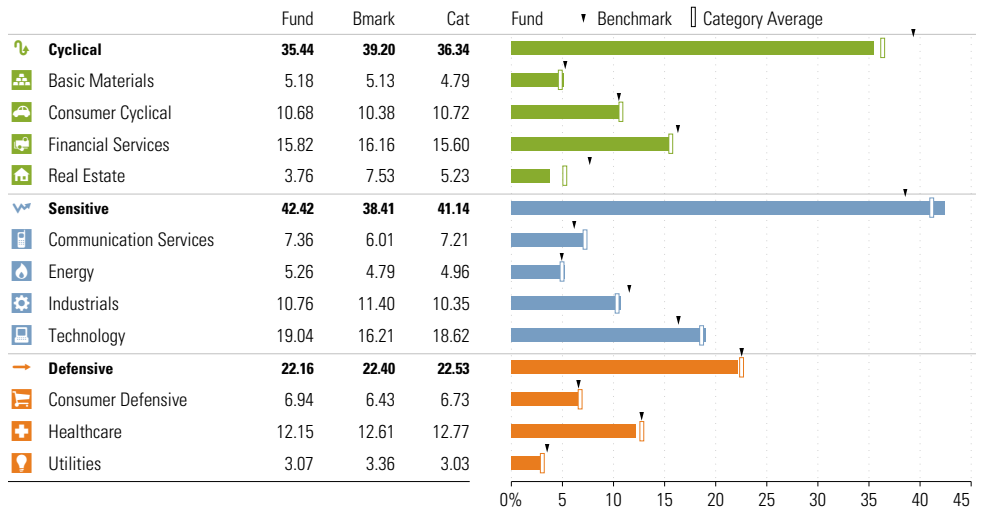


**Asset Allocation** as of 06-30-2022

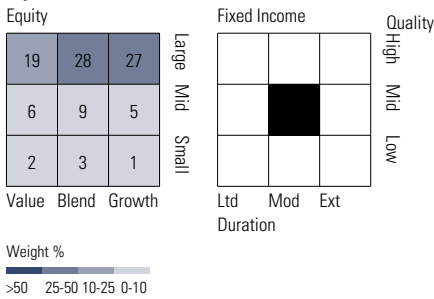


Asset Class	Net %	Cat%
US Stocks	52.06	54.30
Non-US Stocks	34.94	32.10
Bonds	9.94	4.47
Cash	2.92	1.60
Other	0.14	7.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.76	52.76	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.79	88.54	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	6.99	95.53	-	-
⊖ Vanguard Total Intl Bd II Idx Instl	-	3.16	98.70	-	-
⊕ Mktliq 12/31/2049	-	1.28	99.97	-	-
⊕ Us Dollar	-	0.03	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 9.36 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.73% lower than the Target-Date 2060 category average.

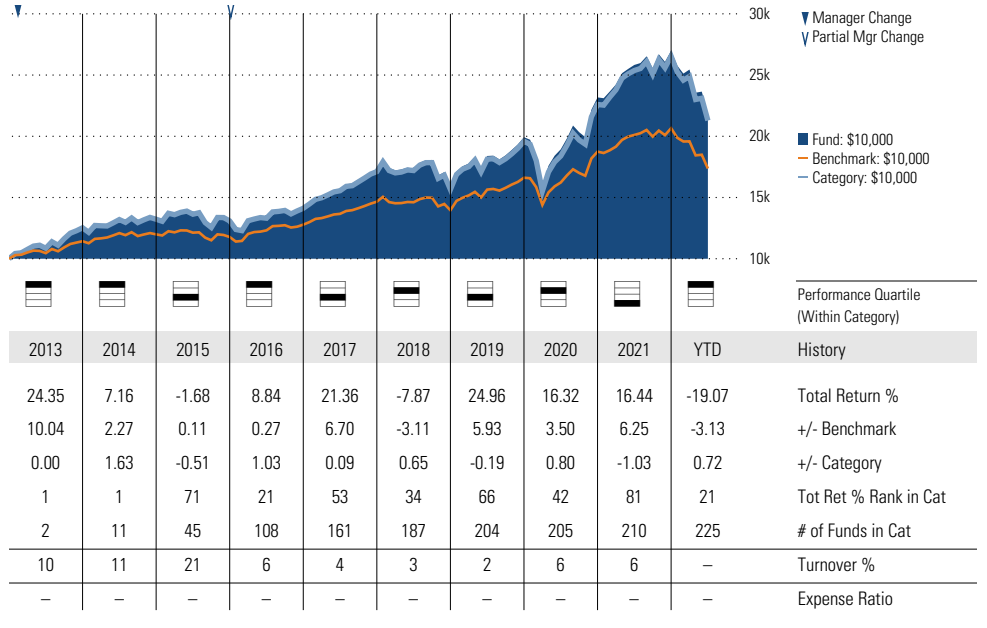
## Morningstar Investment Management LLC Analysis

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

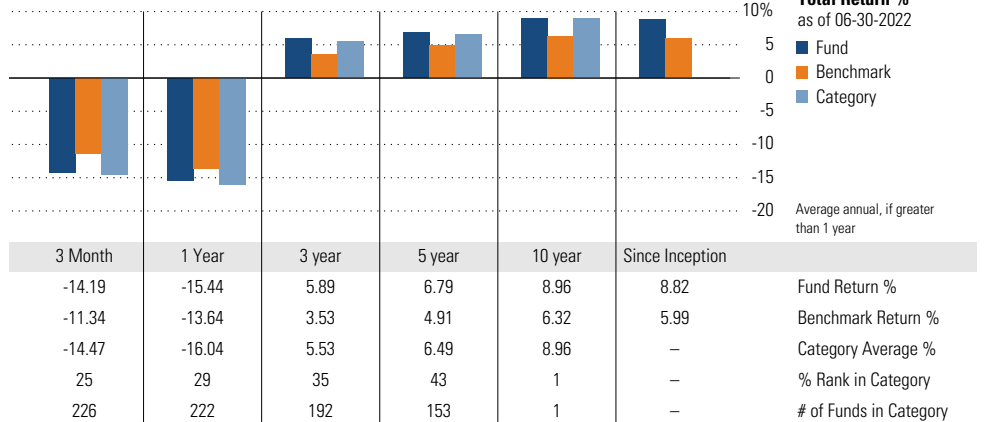
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

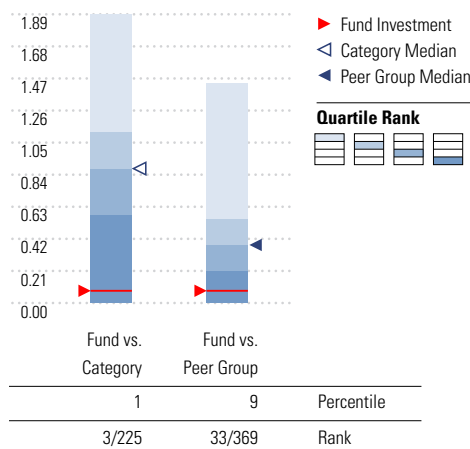
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.30	-	0.77
Beta	1.39	-	1.43
R-Squared	98.81	-	97.82
Standard Deviation	16.62	11.88	17.14
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	4.98	-	5.69
Information Ratio	0.47	-	0.33
Up Capture Ratio	145.95	-	148.03
Down Capture Ratio	139.35	-	145.16

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	15.26
Price/Book Ratio	2.15	2.04	2.33
Avg Eff Duration	7.09	-	6.56

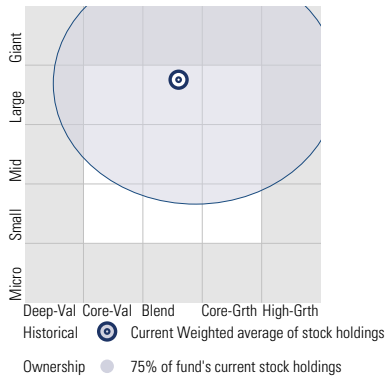
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

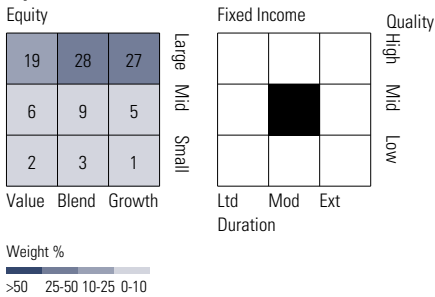
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2022

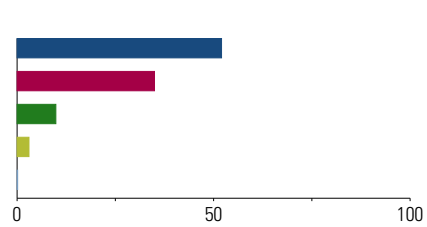
Morningstar Style Box™



## Style Breakdown

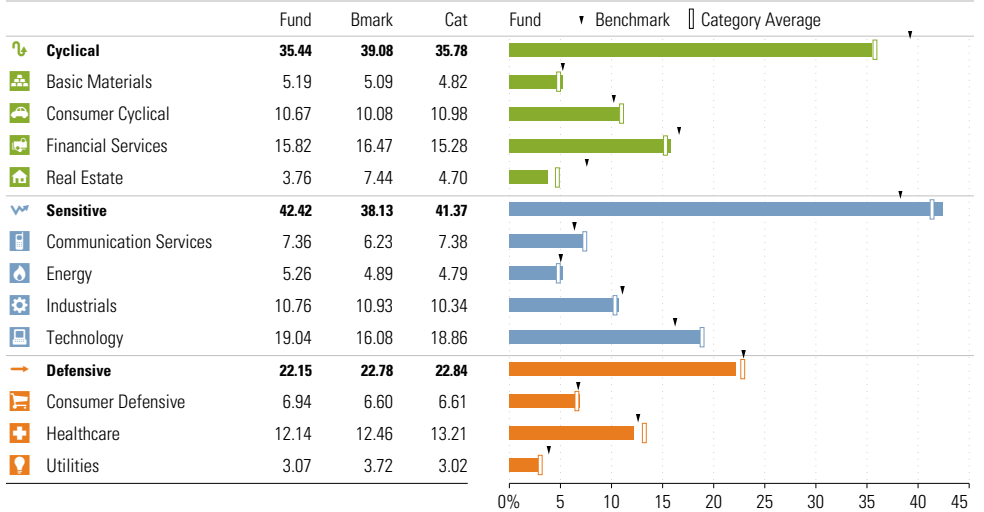


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	52.02	55.87
Non-US Stocks	34.96	32.28
Bonds	9.86	4.46
Cash	3.02	2.12
Other	0.14	5.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 6 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	52.72	52.72	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.81	88.53	—	—
⊖ Vanguard Total Bond Market II Idx Inv	—	6.95	95.48	—	—
⊖ Vanguard Total Intl Bd II Idx Instl	—	3.12	98.59	—	—
⊕ Mktliq 12/31/2049	—	1.40	99.99	—	—
⊖ Us Dollar	—	0.01	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 4.97 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 88.57% lower than the Target-Date 2065+ category average.

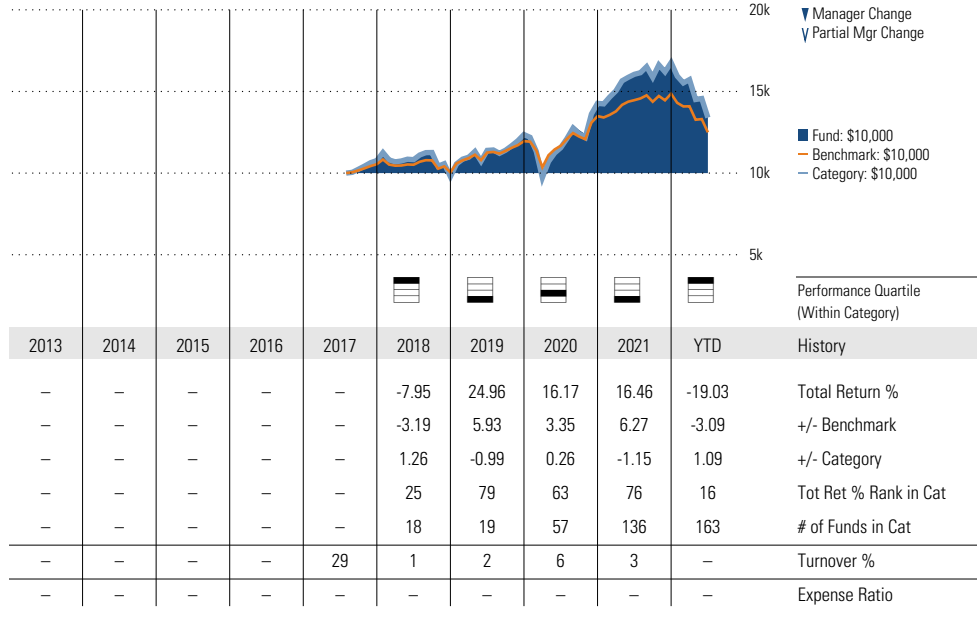
## Morningstar Investment Management LLC Analysis

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

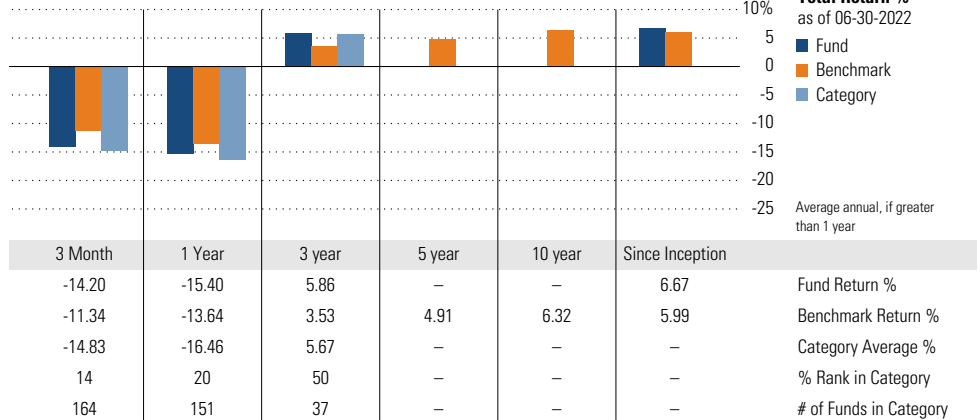
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
Carbon Risk Score	Low Risk	03-31-2022
ESG Commitment	1-Low	02-15-2022

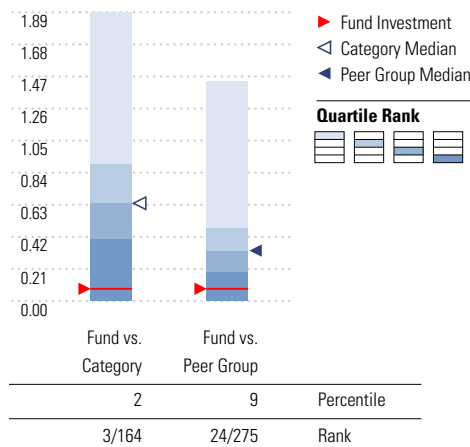
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.26	-	0.78
Beta	1.39	-	1.45
R-Squared	98.80	-	98.09
Standard Deviation	16.64	11.88	17.37
Sharpe Ratio	0.39	0.30	0.36
Tracking Error	5.00	-	5.84
Information Ratio	0.46	-	0.34
Up Capture Ratio	145.96	-	149.86
Down Capture Ratio	139.60	-	146.89

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.32	14.03	14.72
Price/Book Ratio	2.15	2.04	2.24
Avg Eff Duration	7.10	-	6.54

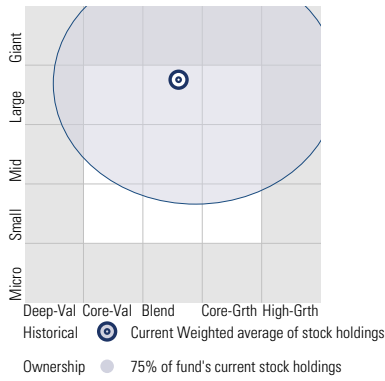
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

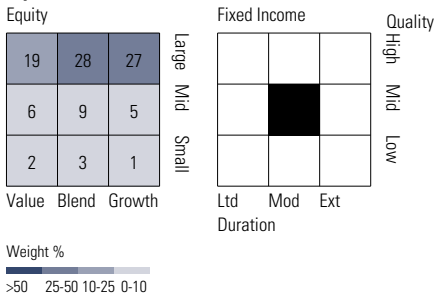
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2022

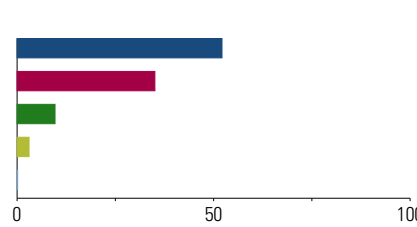
Morningstar Style Box™



## Style Breakdown

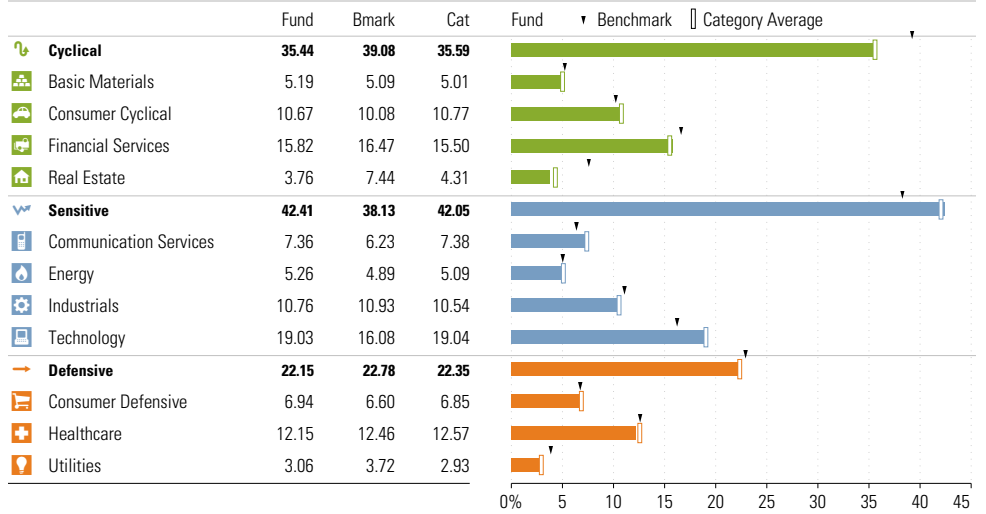


## Asset Allocation as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	52.13	53.04
Non-US Stocks	35.06	32.58
Bonds	9.65	6.86
Cash	3.04	2.42
Other	0.14	5.11
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2022



## Top 6 Holdings as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	52.82	52.82	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.91	88.73	—	—
⊖ Vanguard Total Bond Market II Idx Inv	—	6.69	95.42	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	3.16	98.58	—	—
⊖ Mktliq 12/31/2049	—	1.38	99.97	—	—
⊕ Us Dollar	—	0.03	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 9.36 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.

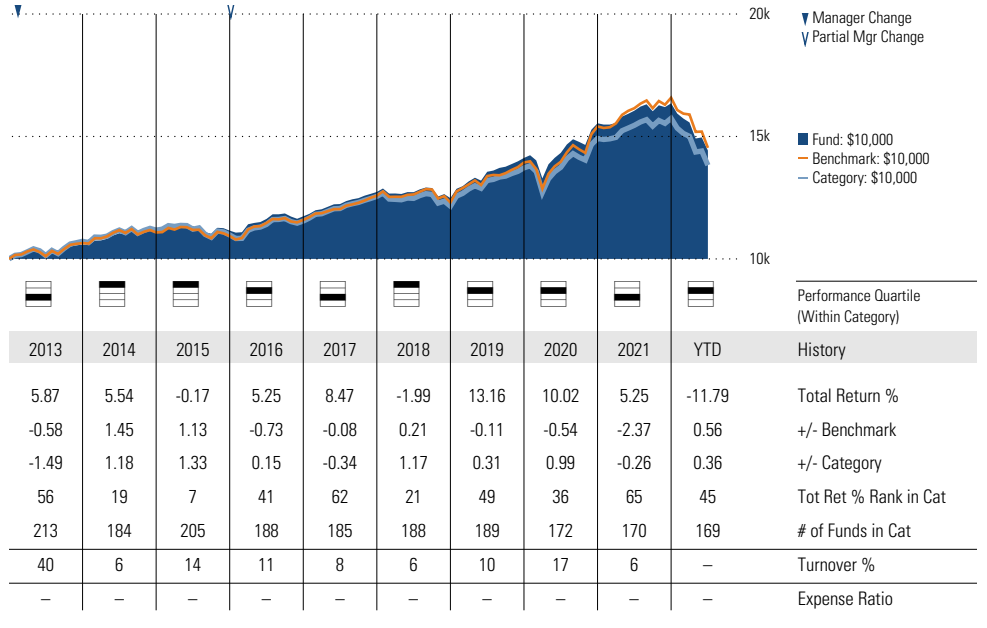
## Morningstar Investment Management LLC Analysis

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.

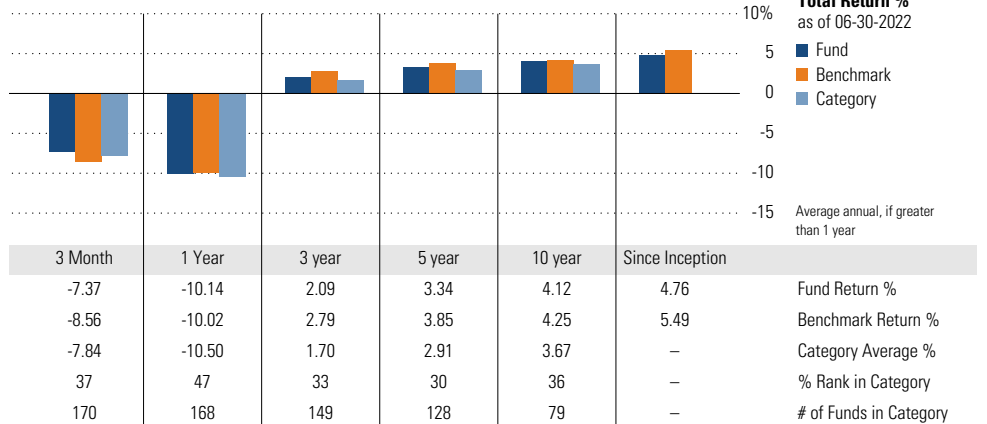
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2022
ESG Commitment	1-Low	02-15-2022

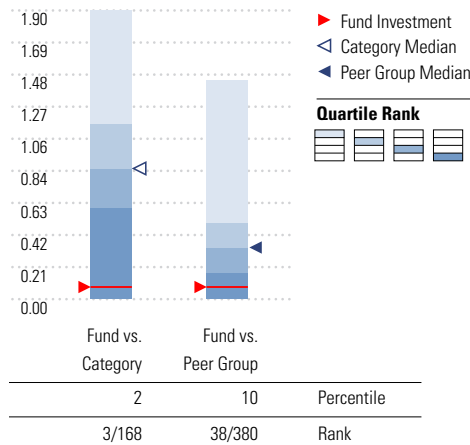
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.30	-	-0.98
Beta	0.85	-	0.93
R-Squared	97.30	-	94.49
Standard Deviation	6.89	8.01	7.64
Sharpe Ratio	0.25	0.31	0.16
Tracking Error	1.66	-	2.22
Information Ratio	-0.42	-	-0.54
Up Capture Ratio	82.60	-	85.92
Down Capture Ratio	85.16	-	94.75

## Portfolio Metrics

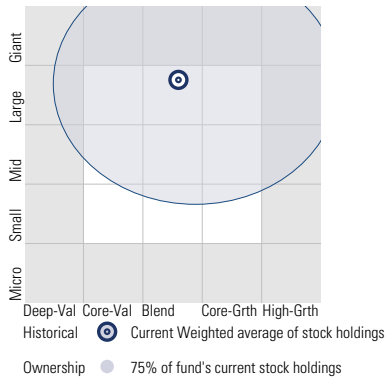
	Fund	Bmark	Cat
Price/Earnings Ratio	14.29	15.43	15.02
Price/Book Ratio	2.14	2.31	2.23
Avg Eff Duration	6.01	-	6.65

# Vanguard Target Retirement Income Fund VTINX

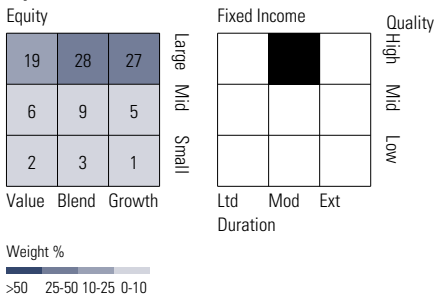
**Morningstar Category**  
Target-Date Retirement

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

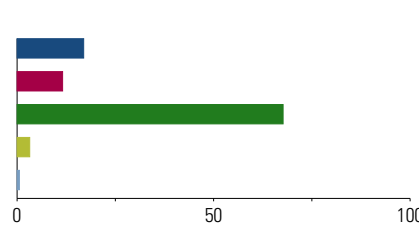
**Style Analysis** as of 06-30-2022  
Morningstar Style Box™



**Style Breakdown**

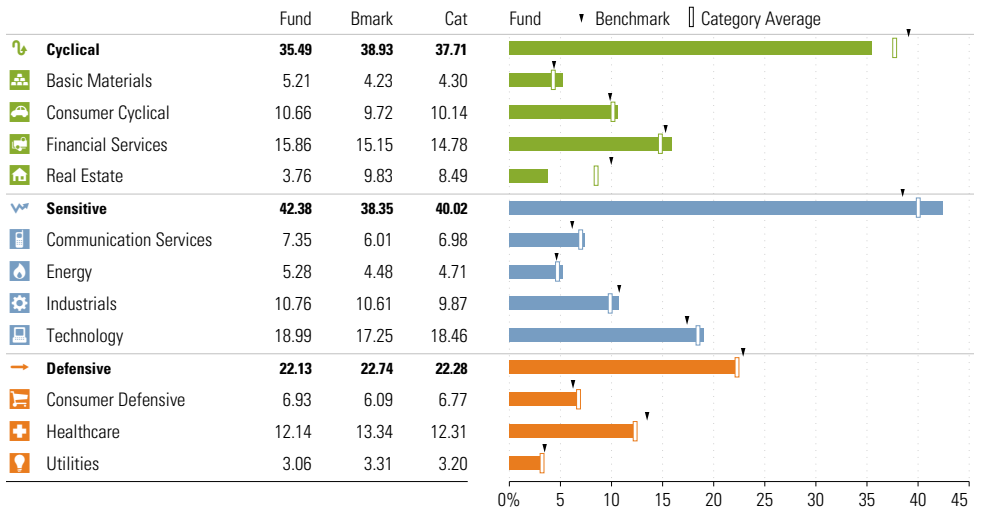


**Asset Allocation** as of 06-30-2022



Asset Class	Net %	Cat%
US Stocks	16.94	19.37
Non-US Stocks	11.58	9.96
Bonds	67.68	46.10
Cash	3.21	5.48
Other	0.58	19.09
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2022



**Top 7 Holdings** as of 06-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	—	36.70	36.70	—	—
⊕ Vanguard Total Stock Mkt Idx Instl Pls	—	17.16	53.86	—	—
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	16.93	70.80	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	16.09	86.88	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	11.87	98.75	—	—
⊕ Mktliq 12/31/2049	—	1.35	100.10	—	—
⊕ Us Dollar	—	0.10	100.20	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio