

# American Funds American Balanced R6 RLBGX

**Morningstar Category**  
Moderate Allocation

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

## Portfolio Manager(s)

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

## Quantitative Screens

**Performance:** The fund has finished in the Moderate Allocation 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 24.51 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 74.49% lower than the Moderate Allocation category average.

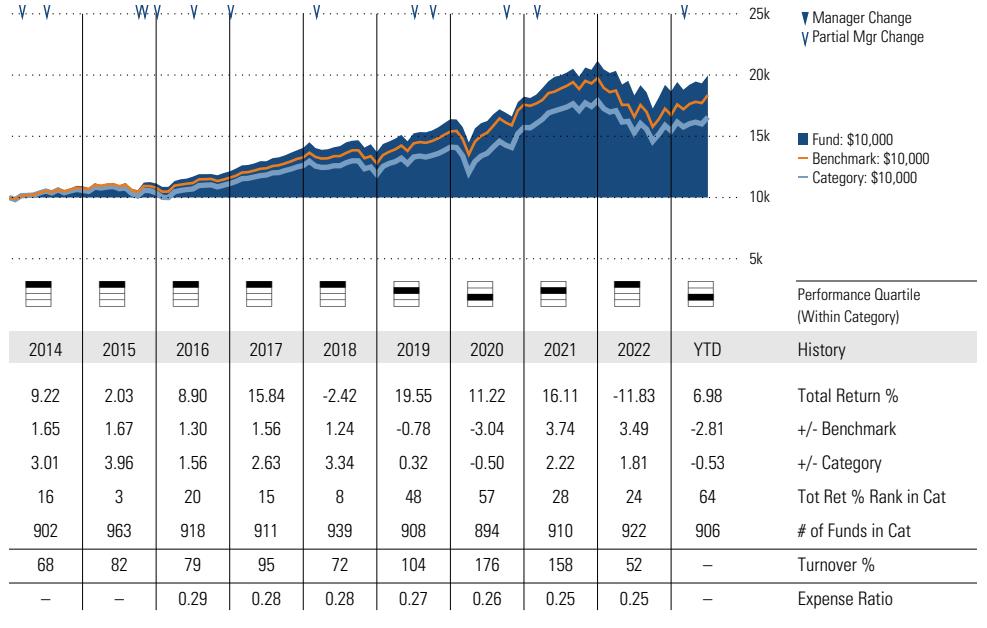
## Morningstar Investment Management LLC Analysis

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.

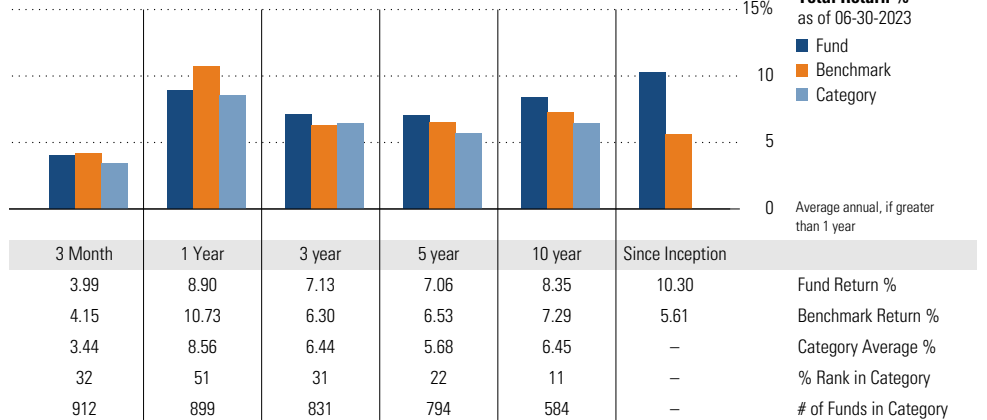
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

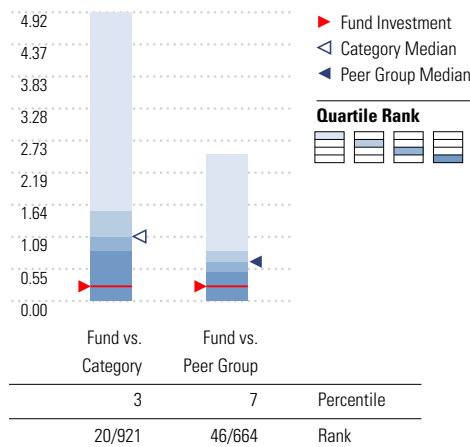
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.08	-	0.03
Beta	0.95	-	0.98
R-Squared	95.60	-	94.10
Standard Deviation	11.80	12.13	12.26
Sharpe Ratio	0.51	0.43	0.41
Tracking Error	2.55	-	2.88
Information Ratio	0.33	-	-0.10
Up Capture Ratio	102.55	-	99.31
Down Capture Ratio	98.19	-	99.98

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.73	19.10	19.34
Price/Book Ratio	3.75	2.94	3.14
Avg Eff Duration	6.67	6.11	5.12

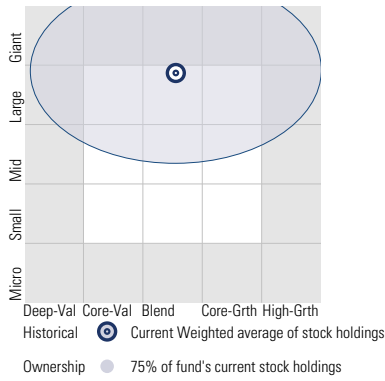
# American Funds American Balanced R6 RLBGX

**Morningstar Category**  
Moderate Allocation

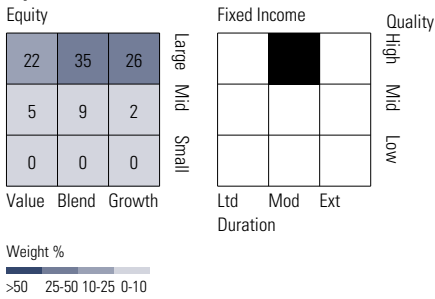
**Morningstar Index**  
Morningstar US Mod Tgt Alloc NR USD

## Style Analysis as of 06-30-2023

Morningstar Style Box™



## Style Breakdown

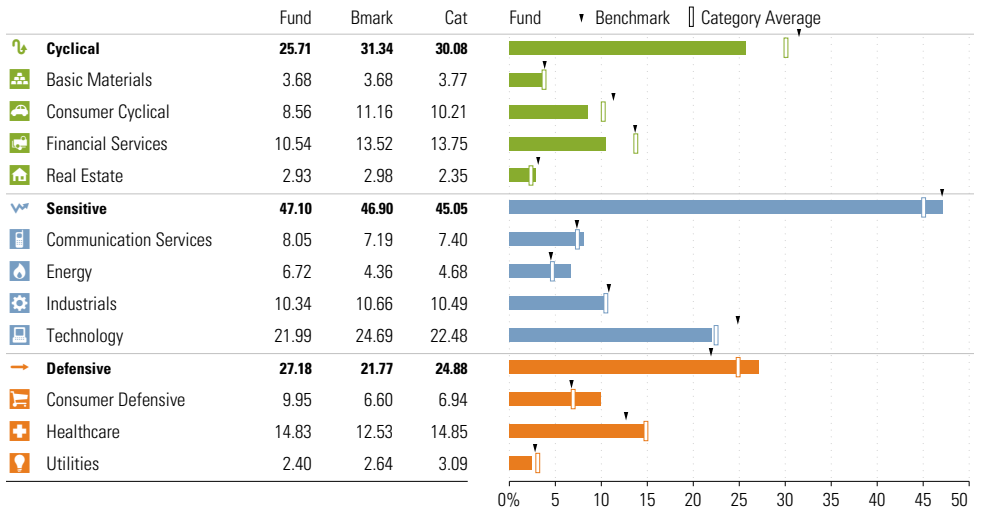


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	54.38	46.21
Non-US Stocks	7.64	10.51
Bonds	29.70	35.45
Cash	4.62	4.37
Other	3.65	3.47
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 10 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	—	10.33	10.33	—	—
✳ Cash And Other Assets Less Liabilities	—	5.72	16.05	—	—
⊖ Microsoft Corp	—	4.36	20.41	42.57	Technology
⊖ Cap Grp Cent Fd Ser Ii	—	3.65	24.06	—	—
⊖ Broadcom Inc	—	3.47	27.54	56.78	Technology
⊖ UnitedHealth Group Inc	—	2.03	29.56	-8.68	Healthcare
⊕ Philip Morris International Inc	—	2.01	31.58	-1.04	Consumer Defensive
⊖ The Home Depot Inc	—	1.38	32.96	-0.33	Consumer Cyclical
⊖ Alphabet Inc Class C	—	1.21	34.17	36.33	Communication Svc
⊕ Taiwan Semiconductor Manufacturing Co Ltd ADR	—	1.18	35.35	36.68	Technology

## Total Holdings 2324

⊕ 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

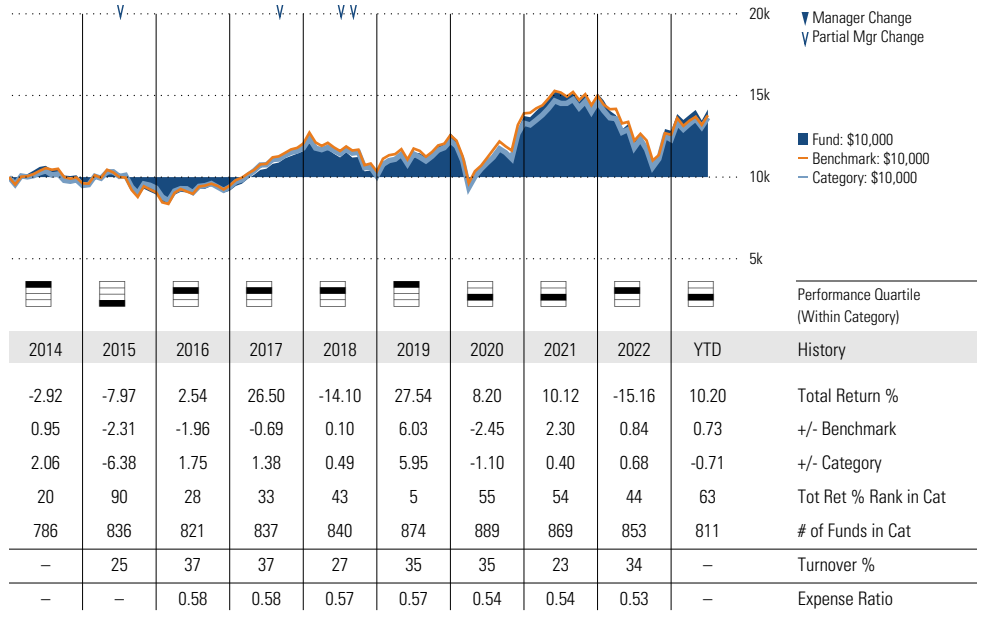
✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.75 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 37.93% lower than the Foreign Large Blend category average.

## Growth of \$10,000



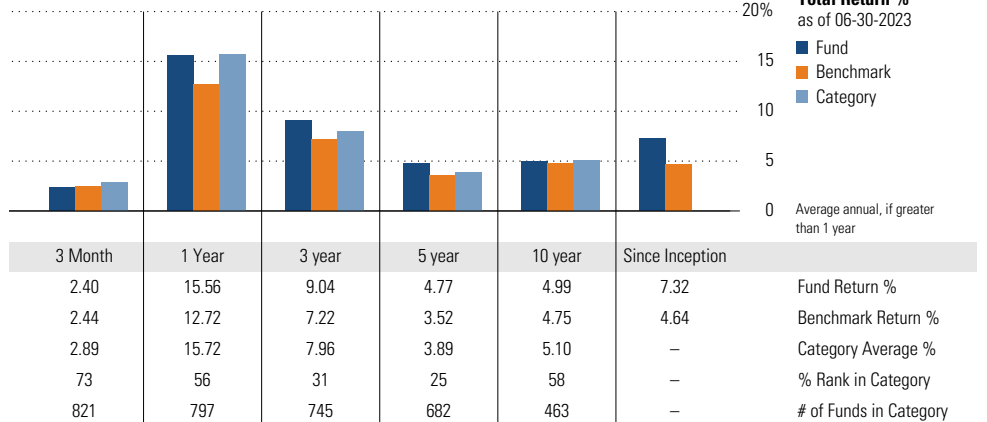
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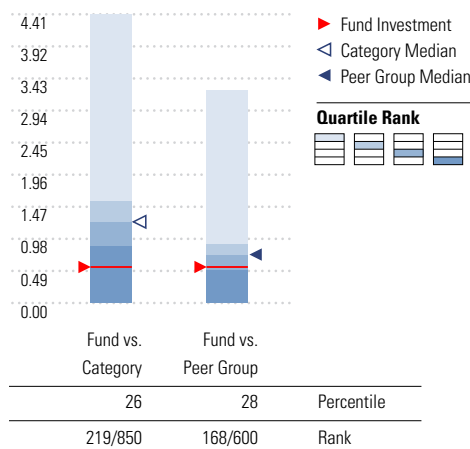
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.34	-	0.56
Beta	1.07	-	1.04
R-Squared	96.01	-	93.50
Standard Deviation	18.64	17.05	18.28
Sharpe Ratio	0.47	0.40	0.42
Tracking Error	3.92	-	4.68
Information Ratio	0.46	-	0.18
Up Capture Ratio	110.45	-	106.88
Down Capture Ratio	105.11	-	105.69

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.60	13.32	13.48
Price/Book Ratio	1.74	1.69	1.77
Geom Avg Mkt Cap \$B	49.84	43.39	51.74
ROE	20.60	17.67	19.85

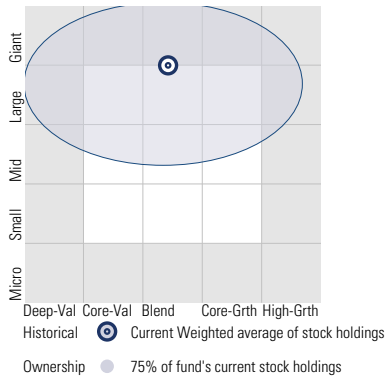
# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

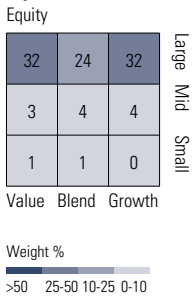
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 06-30-2023

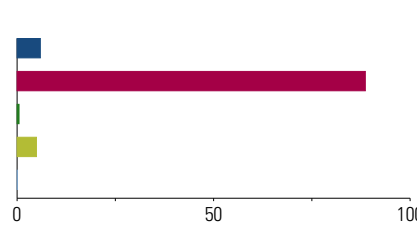
Morningstar Style Box™



## Style Breakdown

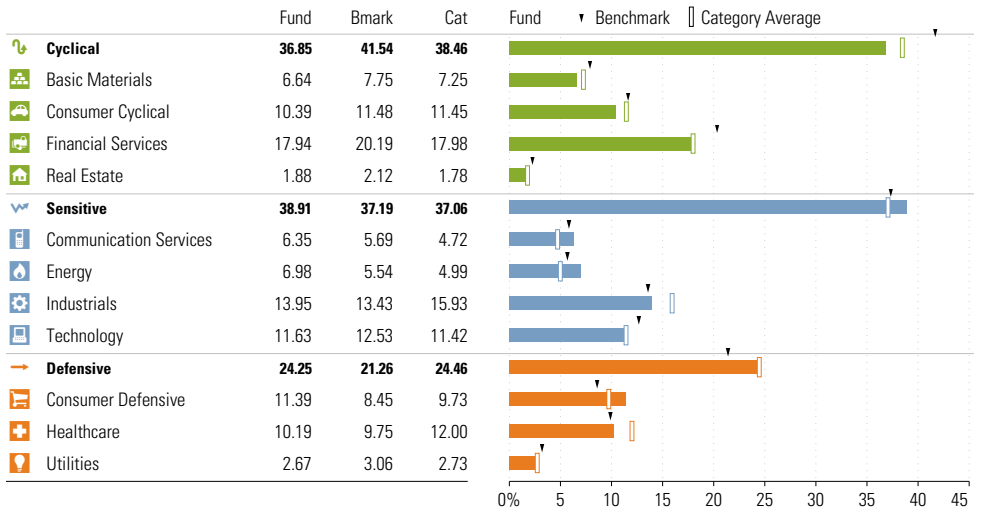


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	5.91	3.13
Non-US Stocks	88.60	94.02
Bonds	0.49	0.19
Cash	4.92	1.26
Other	0.08	1.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## World Regions % Equity 06-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	28.86	35.44	Americas	15.11	8.59	Greater Europe	56.03	55.97	Developed Markets	85.24
Japan	8.35	18.32	North America	10.62	7.30	United Kingdom	13.11	13.49	Emerging Markets	14.76
Australasia	0.49	5.01	Central/Latin	4.49	1.29	W euro-ex UK	41.30	41.42	Not Available	0.00
Asia-4 Tigers	10.67	6.74				Emrgng Europe	0.40	0.07		
Asia-ex 4 Tigers	9.35	5.37				Africa	1.22	0.99		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash M	4.56	4.56	-	-
AstraZeneca PLC	3.16	7.72	1.97	Healthcare
Taiwan Semiconductor Manufacturing Co Ltd	2.42	10.14	29.65	Technology
ASML Holding NV	2.38	12.52	32.21	Technology
Novo Nordisk A/S Class B	2.29	14.81	18.08	Healthcare
Airbus SE	2.23	17.04	20.84	Industrials
Philip Morris International Inc	2.21	19.24	-1.04	Consumer Defensive
TotalEnergies SE	1.77	21.01	-6.79	Energy
LVMH Moet Hennessy Louis Vuitton SE	1.60	22.61	27.96	Consumer Cyclical
British American Tobacco PLC	1.50	24.10	-18.77	Consumer Defensive

**Total Holdings 273**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

- Carl Kawaja since 06-1999
- Robert Lovelace since 06-1999
- Christopher Thomsen since 01-2009
- Winnie Kwan since 01-2009
- Tomonori Tani since 10-2013
- Jonathan Knowles since 01-2016
- Bradford Freer since 01-2017
- Akira Shiraishi since 01-2017
- Lisa Thompson since 10-2019
- Kirstie Spence since 12-2019
- Dawid Justus since 01-2020
- Piyada Phanaphat since 01-2020

## Quantitative Screens

✔ **Performance:** The fund has finished in the Diversified Emerging Mkts 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 24.05 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 0.57 is 50% lower than the Diversified Emerging Mkts category average.

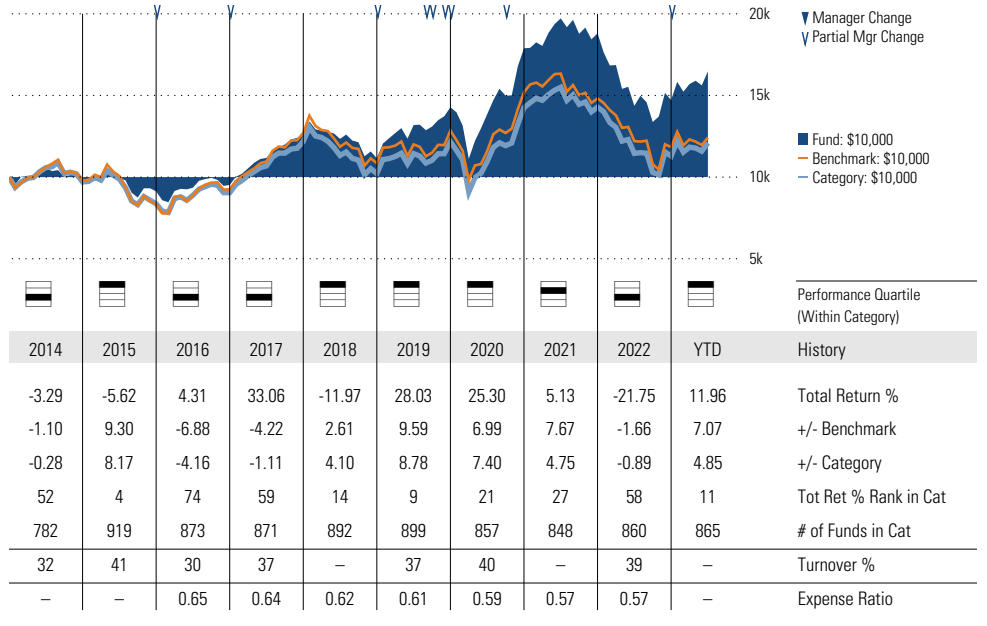
## Morningstar Investment Management LLC Analysis

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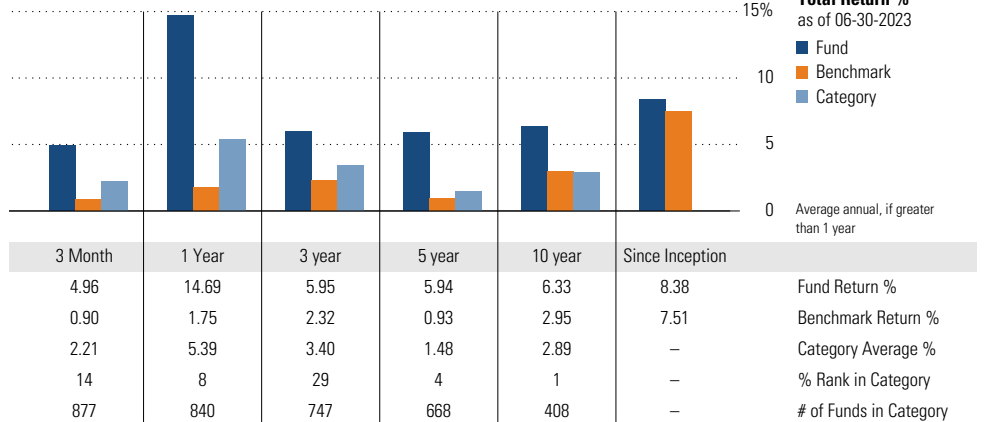
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

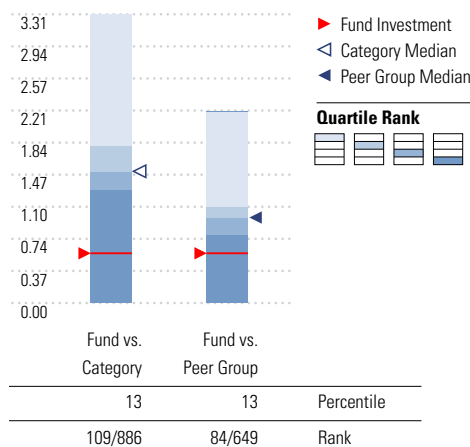
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.96	-	0.46
Beta	0.85	-	0.97
R-Squared	78.63	-	87.17
Standard Deviation	17.16	17.90	18.62
Sharpe Ratio	0.33	0.13	0.15
Tracking Error	8.38	-	6.47
Information Ratio	0.43	-	0.01
Up Capture Ratio	96.76	-	100.12
Down Capture Ratio	80.67	-	99.16

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.17	11.97	13.15
Price/Book Ratio	2.98	1.58	1.85
Geom Avg Mkt Cap \$B	59.03	35.41	43.06
ROE	22.42	16.67	18.25

# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 06-30-2023

Morningstar Style Box™



## Style Breakdown

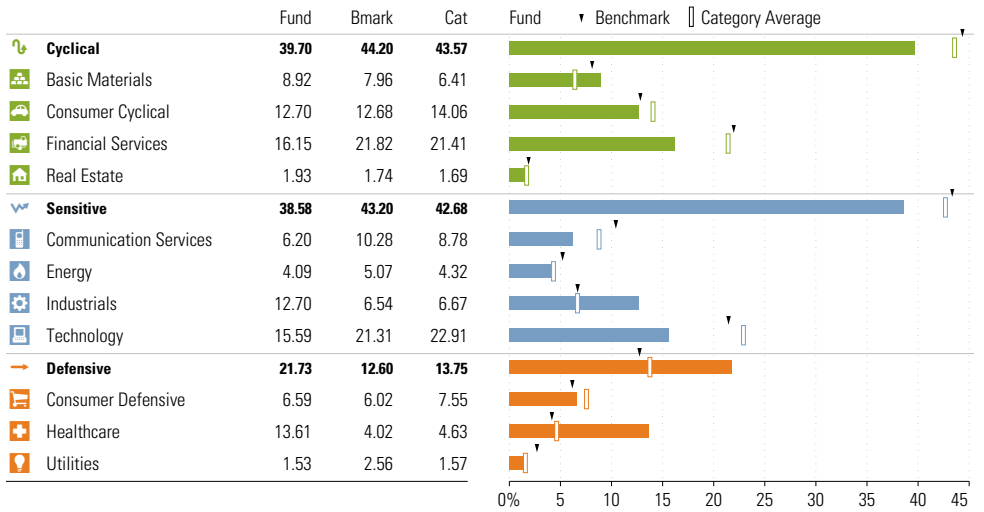


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	22.73	3.10
Non-US Stocks	68.10	94.98
Bonds	3.75	0.01
Cash	4.99	1.75
Other	0.43	0.16
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## World Regions % Equity 06-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	38.48	75.24	Americas	36.40	14.67	Greater Europe	25.12	10.08	Developed Markets	59.04
Japan	2.51	0.10	North America	26.68	2.91	United Kingdom	2.38	0.63	Emerging Markets	40.96
Australasia	0.46	0.00	Central/Latin	9.72	11.76	W euro-ex UK	20.00	1.89	Not Available	0.00
Asia-4 Tigers	6.81	27.46				Emrgng Europe	0.59	1.41		
Asia-ex 4 Tigers	28.70	47.68				Africa	2.15	6.15		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	4.81	4.81	-	-
Microsoft Corp	2.91	7.72	42.57	Technology
Novo Nordisk A/S Class B	2.17	9.89	18.08	Healthcare
Taiwan Semiconductor Manufacturing Co Ltd	2.02	11.91	29.65	Technology
LVMH Moet Hennessy Louis Vuitton SE	1.82	13.72	27.96	Consumer Cyclical
Kotak Mahindra Bank Ltd	1.61	15.33	1.06	Financial Services
Airbus SE	1.55	16.88	20.84	Industrials
Eli Lilly and Co	1.26	18.13	28.81	Healthcare
Reliance Industries Ltd	1.16	19.30	0.12	Energy
AIA Group Ltd	1.12	20.42	-7.56	Financial Services

**Total Holdings 590**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

**Management:** The fund's management has been in place for 22.76 years.

Style Consistency is not calculated for Fixed Income funds.

**Net Expense:** The fund's expense ratio of 0.3 is 45.45% lower than the Intermediate Core Bond category average.

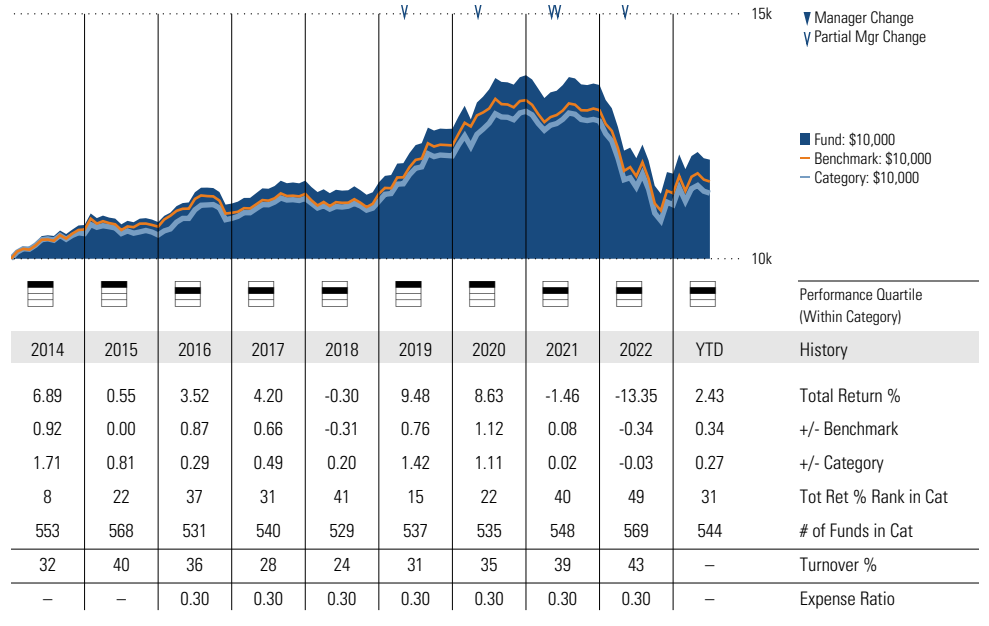
## Morningstar Investment Management LLC Analysis

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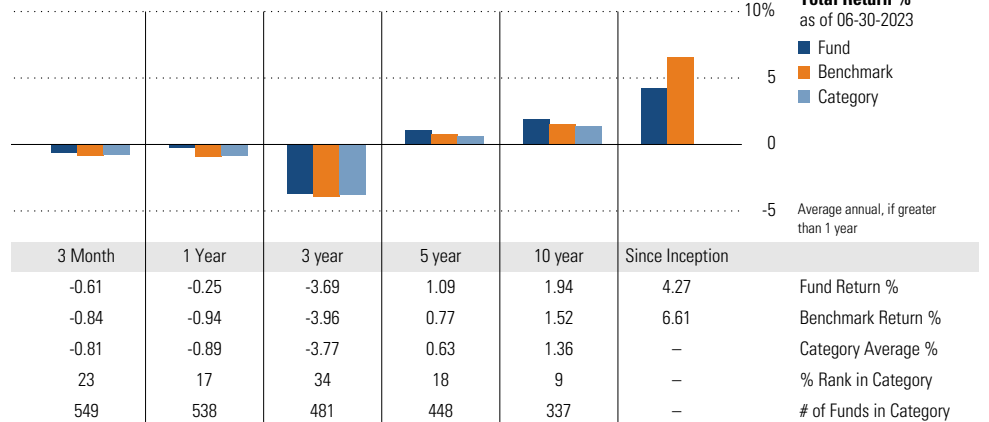
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
ESG Commitment	1-Low	02-15-2022

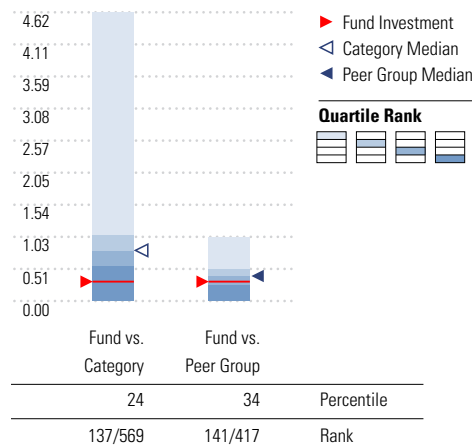
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.34	-	0.13
Beta	1.01	-	0.98
R-Squared	99.42	-	96.63
Standard Deviation	6.27	6.17	6.16
Sharpe Ratio	-0.83	-0.89	-0.86
Tracking Error	0.49	-	1.01
Information Ratio	0.56	-	-0.01
Up Capture Ratio	103.64	-	98.61
Down Capture Ratio	99.44	-	97.19

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.31	4.43	6.10
Avg Eff Maturity	8.44	-	8.59

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

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

**Style Analysis** as of 06-30-2023

**Style Breakdown**



**Asset Allocation** as of 06-30-2023

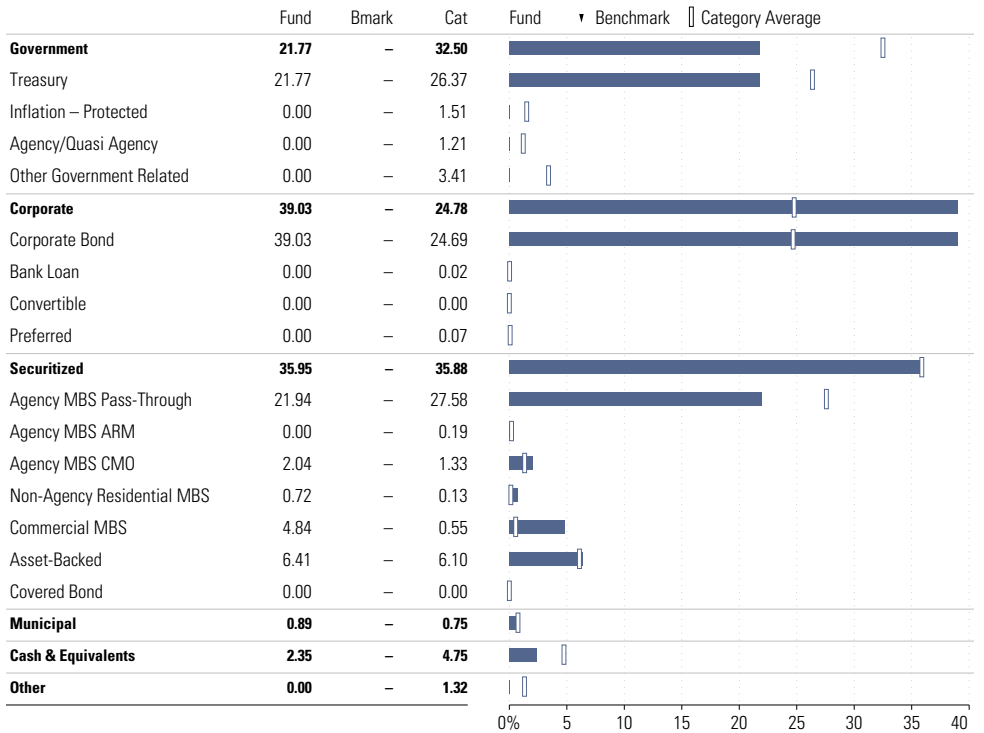


Asset Class	Net %	Cat%
US Stocks	0.00	0.18
Non-US Stocks	0.00	0.01
Bonds	97.56	96.37
Cash	2.35	2.44
Other	0.09	0.99
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	59.70	3.53	51.91
AA	3.80	74.59	10.82
A	13.10	10.82	23.19
BBB	23.20	8.32	12.64
BB	0.20	0.28	0.44
B	0.00	0.00	0.25
Below B	0.00	0.00	0.08
Not Rated	0.00	2.46	0.67

**Sector Weighting** as of 06-30-2023



**Top 10 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes 1.13%	10-2026	3.31	3.31	-
United States Treasury Bonds 2.5%	02-2045	3.13	6.44	-
⊕ First American Government Oblig U	02-2030	2.28	8.71	-
United States Treasury Bonds 2.88%	05-2043	2.27	10.99	-
⊕ United States Treasury Notes 1.13%	08-2028	2.24	13.23	-
United States Treasury Bonds 1.38%	11-2040	1.77	15.00	-
⊕ United States Treasury Notes 2.38%	03-2029	1.41	16.41	-
⊕ United States Treasury Bonds 2.38%	02-2042	1.20	17.61	-
⊖ United States Treasury Notes 2.88%	05-2032	1.04	18.65	-
⊕ United States Treasury Bonds 2.88%	05-2052	1.01	19.66	-

**Total Holdings 1710**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# DFA US Small Cap Value I DFSVX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Portfolio Manager(s)

Jed Fogdall since 02-2012  
Joel Schneider since 07-2015  
Marc Leblond since 02-2020

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 11.34 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 0.3 is 73.21% lower than the Small Value category average.

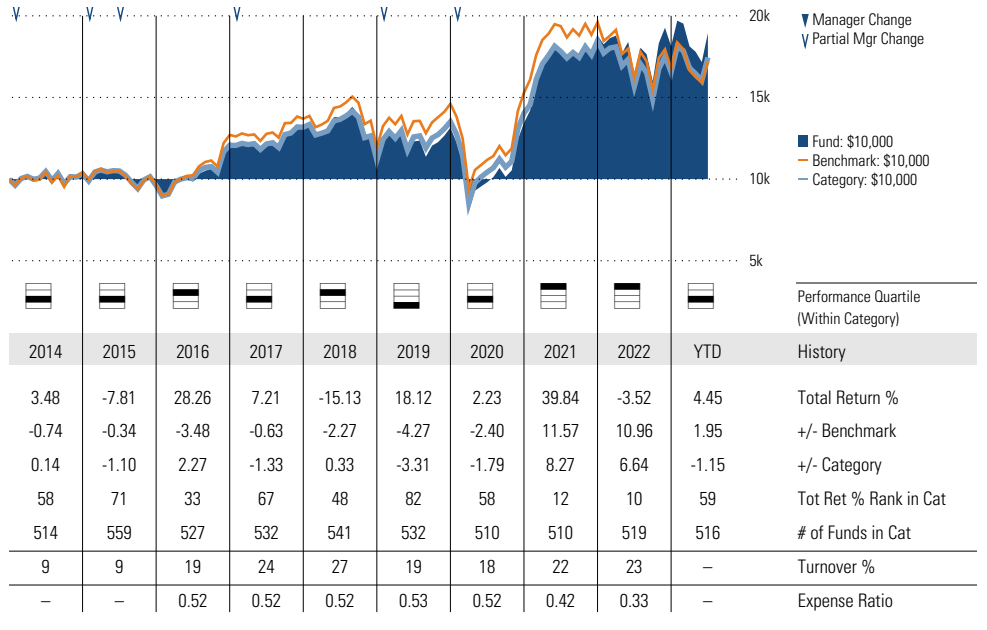
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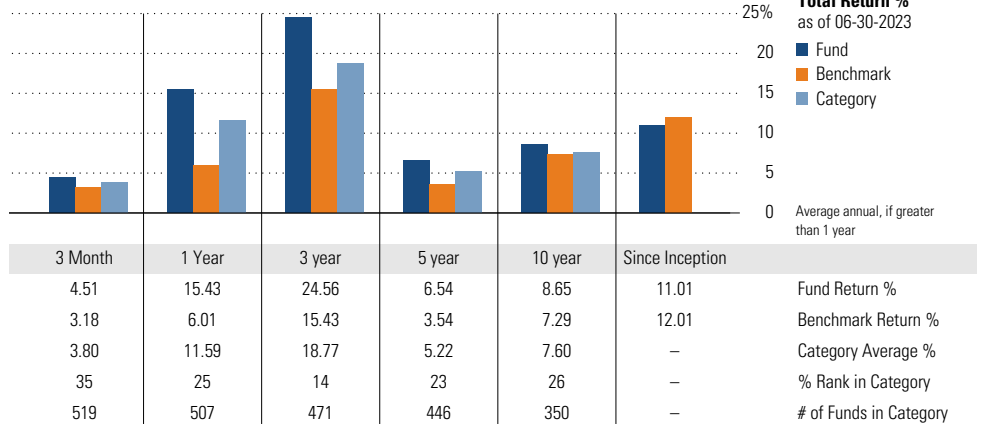
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

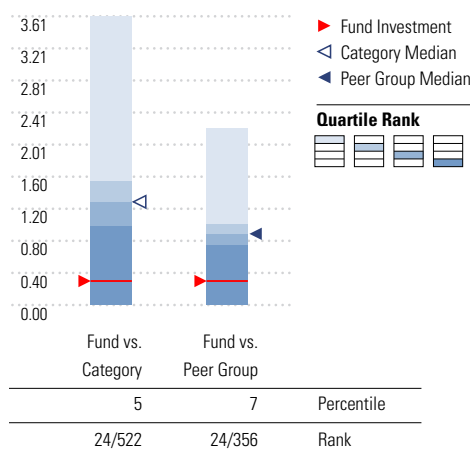
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	7.88	-	3.22
Beta	0.99	-	0.95
R-Squared	96.46	-	93.19
Standard Deviation	22.94	22.66	22.34
Sharpe Ratio	1.00	0.67	0.79
Tracking Error	4.32	-	5.93
Information Ratio	2.11	-	0.50
Up Capture Ratio	112.69	-	100.18
Down Capture Ratio	88.84	-	90.57

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	8.21	8.49	10.20
Price/Book Ratio	1.16	1.20	1.45
Geom Avg Mkt Cap \$B	2.61	1.80	4.13
ROE	14.37	7.82	16.17

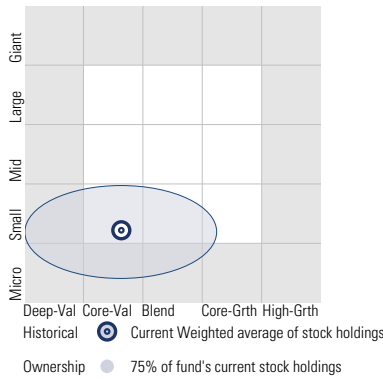
# DFA US Small Cap Value I DFSVX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 06-30-2023

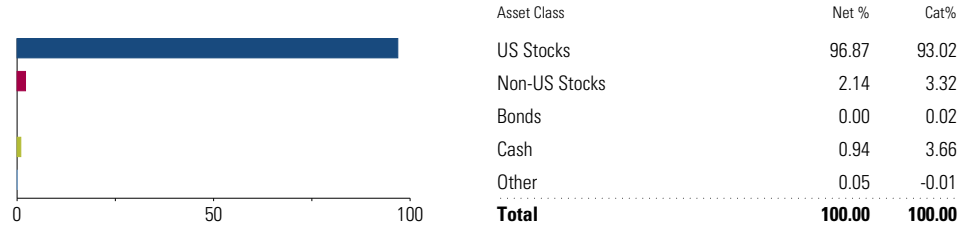
Morningstar Style Box™



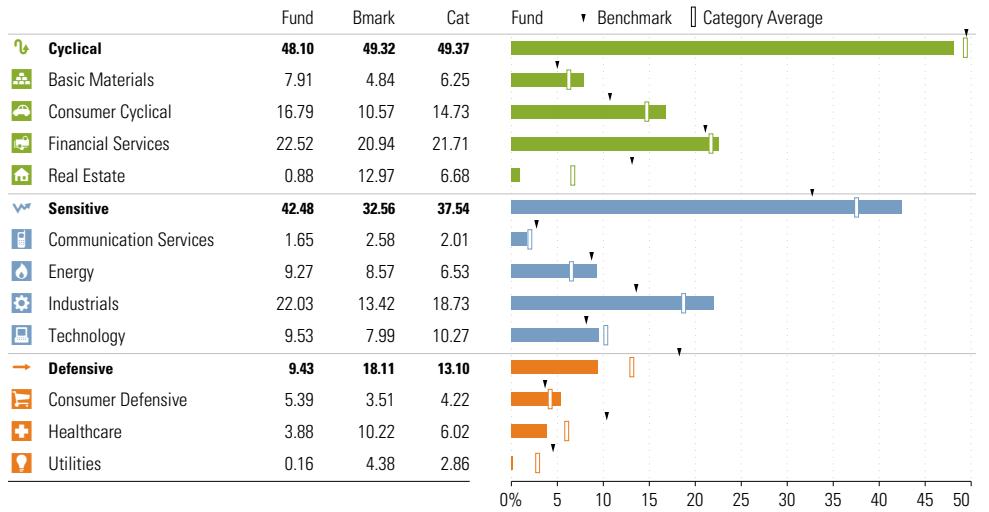
## Style Breakdown



## Asset Allocation as of 06-30-2023



## Sector Weighting as of 06-30-2023



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Amkor Technology Inc	1.02	1.02	24.69	Technology
Taylor Morrison Home Corp	1.00	2.01	60.69	Consumer Cyclical
Triton International Ltd Ordinary Shares	0.85	2.86	23.09	Industrials
Commercial Metals Co	0.85	3.71	10.02	Basic Materials
American Equity Investment Life Holding Co	0.76	4.48	14.23	Financial Services
Future on E-mini S&P 500 Futures	0.76	5.24	-	-
Avnet Inc	0.73	5.97	22.73	Technology
GATX Corp	0.72	6.68	22.10	Industrials
New York Community Bancorp Inc	0.68	7.36	34.65	Financial Services
Ssc Government Mm Gvmxx	0.68	8.04	-	-
Murphy Oil Corp	0.67	8.71	-9.67	Energy
F N B Corp	0.66	9.37	-10.50	Financial Services
Vishay Intertechnology Inc	0.65	10.02	37.23	Technology
United States Steel Corp	0.64	10.67	0.24	Basic Materials
Encore Wire Corp	0.64	11.31	35.19	Industrials

**Total Holdings 954**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 25.99 years.

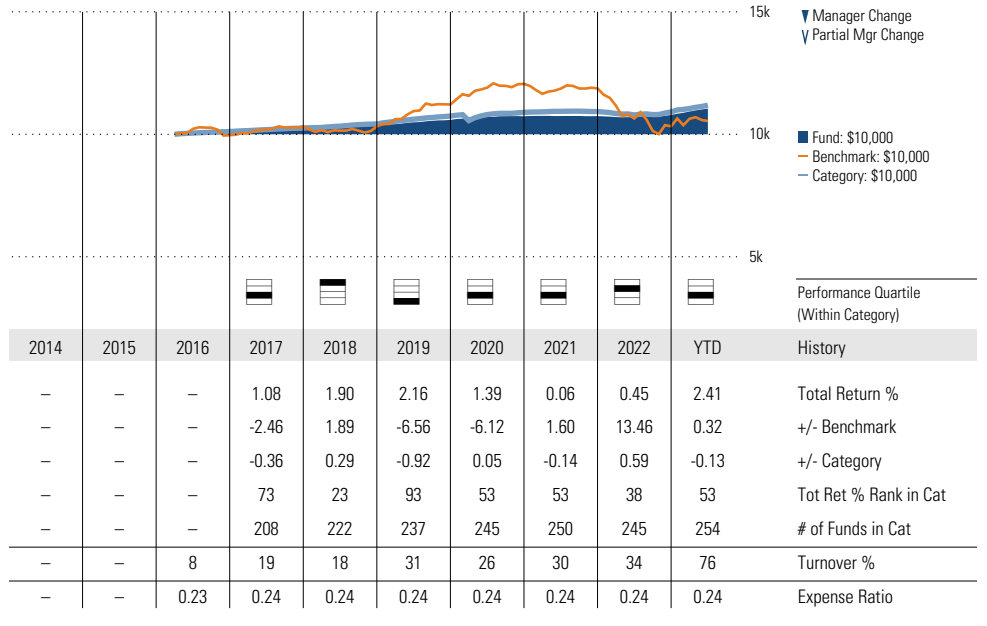
Style Consistency is not calculated for Fixed Income funds.

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

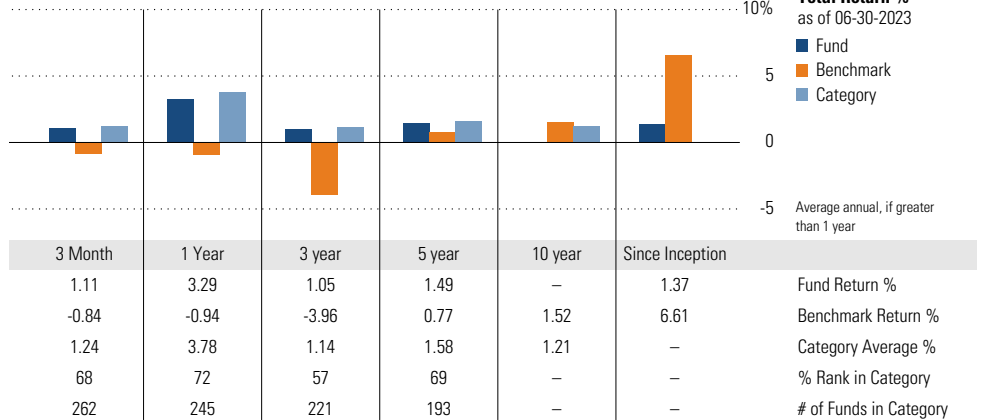
## Morningstar Investment Management LLC Analysis

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.

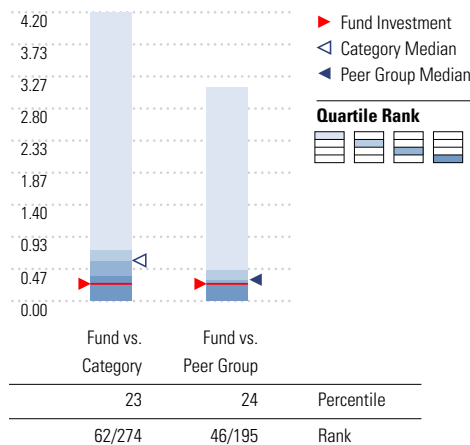
## Growth of \$10,000



## 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	1.24	-	1.42
Beta	0.05	-	0.09
R-Squared	22.27	-	28.83
Standard Deviation	0.63	6.17	1.02
Sharpe Ratio	-1.32	-0.89	-0.85
Tracking Error	5.90	-	5.72
Information Ratio	0.85	-	0.88
Up Capture Ratio	9.95	-	15.48
Down Capture Ratio	-4.20	-	-1.16

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.48	4.43	0.80
Avg Eff Maturity	5.22	-	3.20

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

**Style Analysis** as of 06-30-2023

**Style Breakdown**



**Asset Allocation** as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	0.00	0.09
Non-US Stocks	0.00	0.00
Bonds	72.31	70.27
Cash	27.69	29.53
Other	0.00	0.11
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	40.12
AA	0.00	74.59	6.26
A	0.00	10.82	20.69
BBB	0.00	8.32	19.45
BB	0.00	0.28	1.49
B	0.00	0.00	1.35
Below B	0.00	0.00	0.31
Not Rated	0.00	2.46	10.33

**Sector Weighting** as of 06-30-2023



**Top 10 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Bank Of Montreal 4 Repo	07-2023	13.42	13.42	-
⊕ Hsbc Repo 2 Repo	07-2023	13.42	26.84	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.70052%	04-2033	5.51	32.34	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.55052%	12-2032	4.45	36.80	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.60052%	12-2032	4.12	40.91	-
⊕ Government National Mortgage Association 5.12871%	01-2073	3.66	44.57	-
⊕ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.71629%	07-2053	3.61	48.18	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.92052%	10-2032	3.11	51.29	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.92052%	11-2032	2.69	53.98	-
⊕ Government National Mortgage Association 6.1%	06-2053	2.58	56.56	-

**Total Holdings 193**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

Christopher McMeans since 02-2016  
 Caroline Le Feuvre since 06-2020  
 Peter Santoro since 03-2021  
 Craig Leopold since 03-2022

## 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 7.35 years.

✔ **Style:** The fund has landed in its primary style box — Large Value — 88 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.46 is 48.31% lower than the Large Value category average.

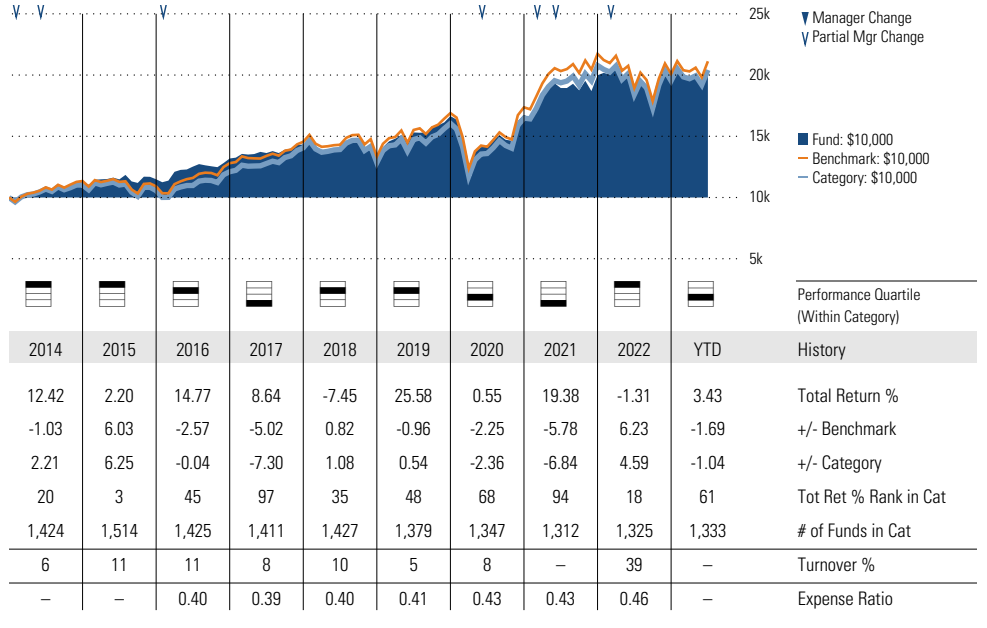
## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

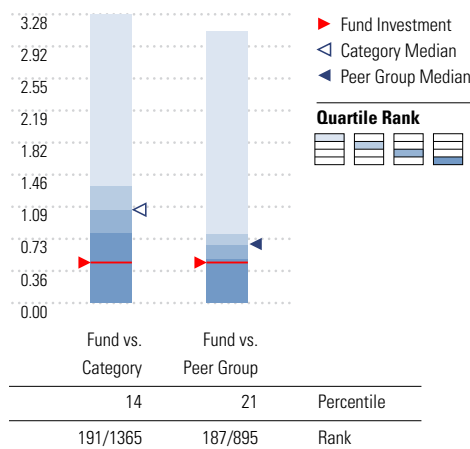
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.54	-	0.62
Beta	0.86	-	0.98
R-Squared	94.59	-	94.06
Standard Deviation	15.41	17.45	17.61
Sharpe Ratio	0.76	0.76	0.77
Tracking Error	4.35	-	4.34
Information Ratio	-0.32	-	0.04
Up Capture Ratio	86.64	-	98.27
Down Capture Ratio	84.35	-	95.82

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.55	16.03	15.47
Price/Book Ratio	2.78	2.24	2.40
Geom Avg Mkt Cap \$B	120.72	67.79	119.72
ROE	21.48	17.25	22.08

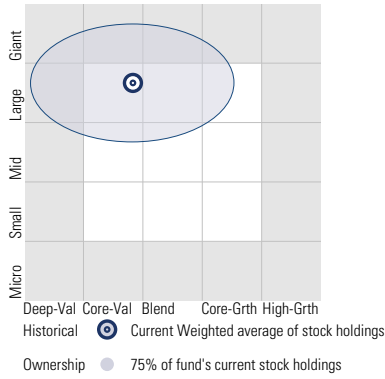
# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

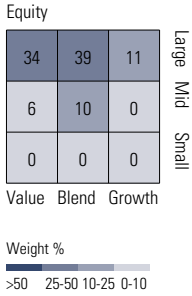
**Morningstar Index**  
Russell 1000 Value TR USD

## Style Analysis as of 06-30-2023

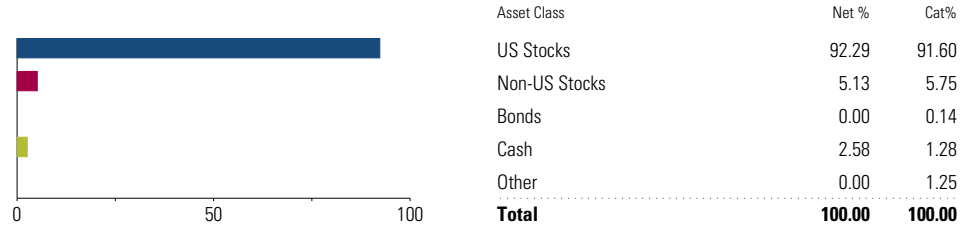
Morningstar Style Box™



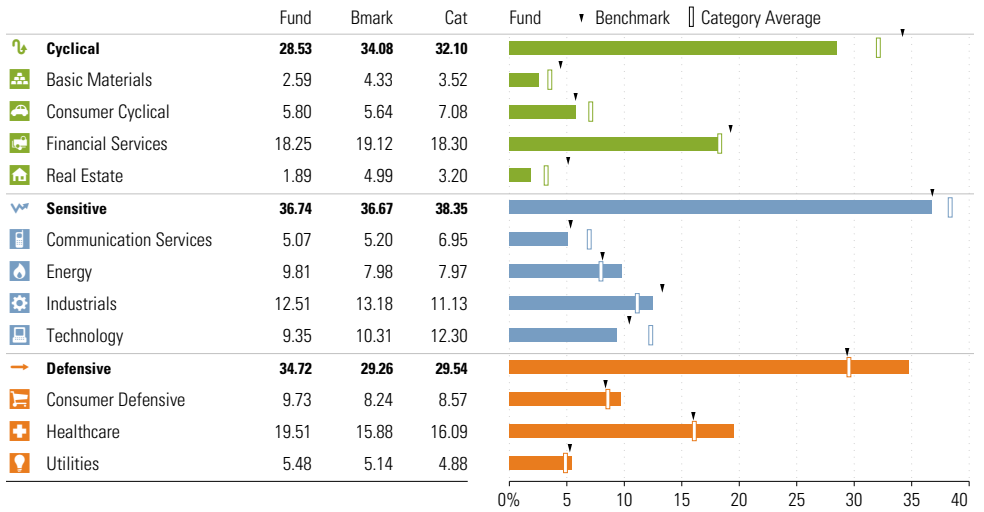
## Style Breakdown



## Asset Allocation as of 06-30-2023



## Sector Weighting as of 06-30-2023



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Johnson & Johnson	3.81	3.81	-4.99	Healthcare
Chevron Corp	3.12	6.93	-10.65	Energy
Walmart Inc	2.73	9.66	11.66	Consumer Defensive
RTX Corp	2.54	12.21	-1.80	Industrials
Microsoft Corp	2.52	14.73	42.57	Technology
Merck & Co Inc	2.50	17.23	5.32	Healthcare
ConocoPhillips	2.36	19.59	-10.31	Energy
Parker Hannifin Corp	2.19	21.78	35.00	Industrials
Exxon Mobil Corp	2.14	23.92	-1.12	Energy
CVS Health Corp	2.11	26.03	-24.52	Healthcare
Becton, Dickinson and Co	2.06	28.10	4.53	Healthcare
S&P Global Inc	1.85	29.94	20.23	Financial Services
⊖ Thermo Fisher Scientific Inc	1.81	31.76	-5.13	Healthcare
United Parcel Service Inc Class B	1.77	33.53	4.98	Industrials
⊕ JPMorgan Chase & Co	1.72	35.24	9.95	Financial Services

**Total Holdings 78**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# MFS Growth R6 MFEKX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Portfolio Manager(s)

Eric Fischman since 04-2002  
Bradford Mak since 06-2021

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large 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 21.26 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 0.5 is 46.81% lower than the Large Growth category average.

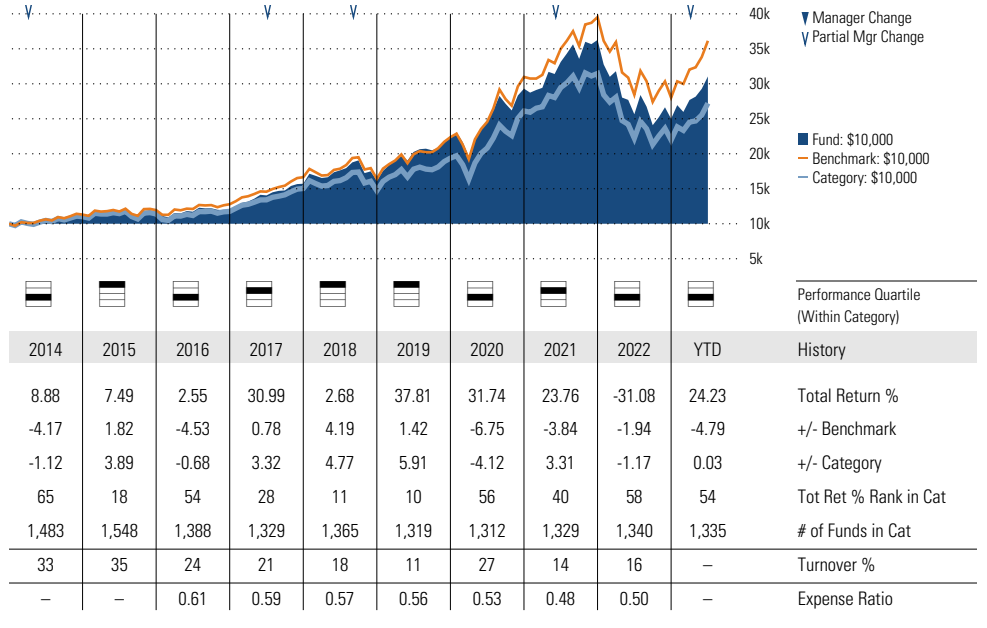
## Morningstar Investment Management LLC Analysis

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.

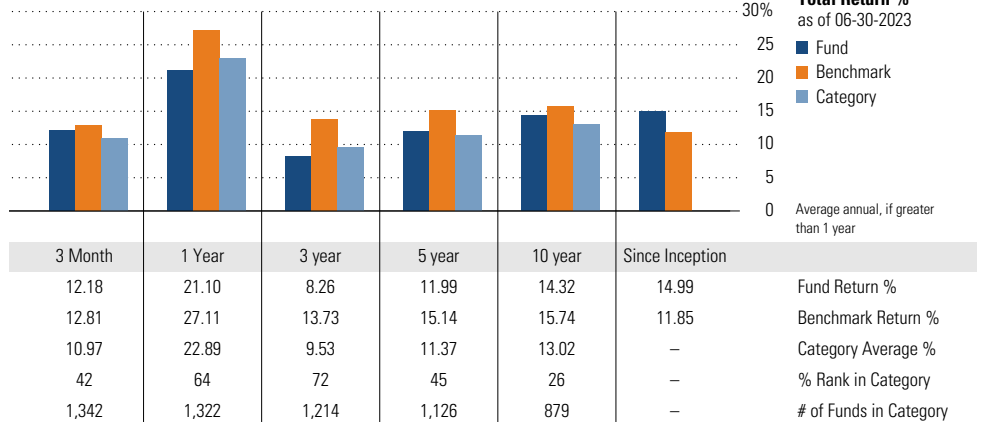
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

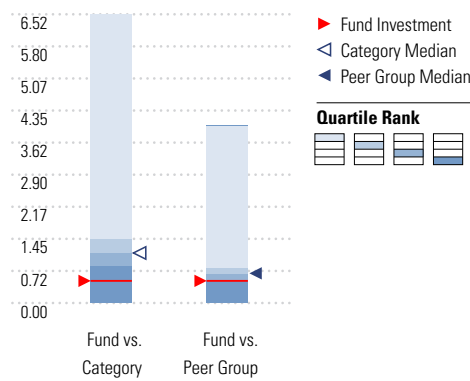
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-4.27	-	-3.58
Beta	0.94	-	0.96
R-Squared	97.43	-	91.90
Standard Deviation	20.70	21.72	21.83
Sharpe Ratio	0.41	0.63	0.45
Tracking Error	3.56	-	6.22
Information Ratio	-1.54	-	-0.83
Up Capture Ratio	88.60	-	87.53
Down Capture Ratio	102.44	-	98.14

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	36.71	32.61	30.03
Price/Book Ratio	8.23	10.75	7.61
Geom Avg Mkt Cap \$B	317.42	388.64	383.45
ROE	31.66	37.07	35.10

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

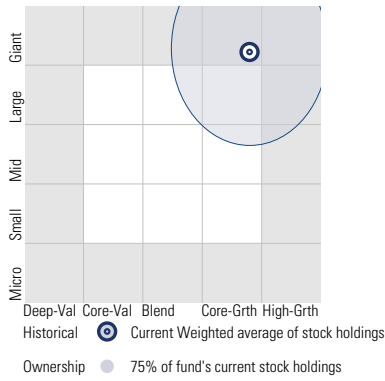
# MFS Growth R6 MFEKX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 06-30-2023

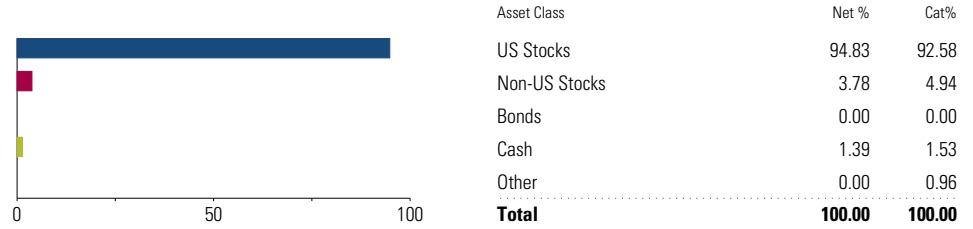
Morningstar Style Box™



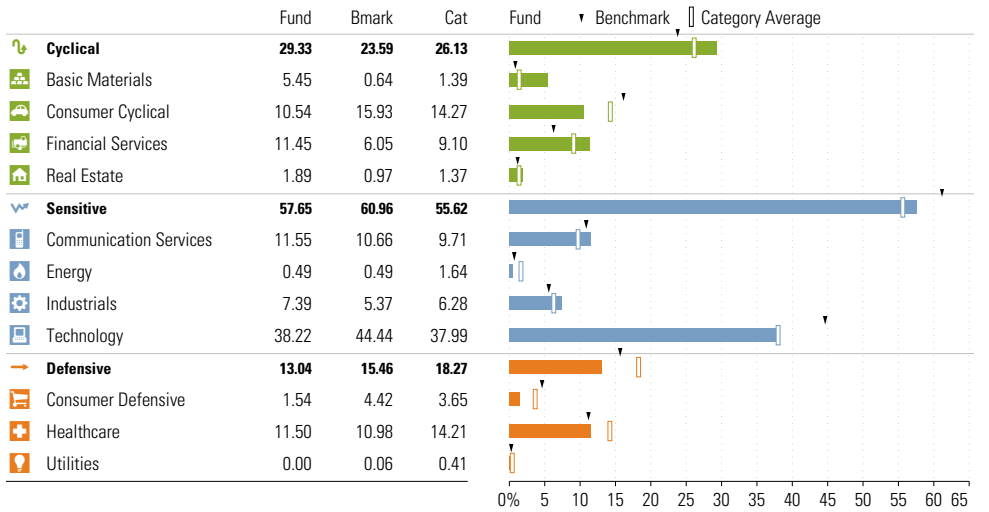
## Style Breakdown



## Asset Allocation as of 06-30-2023



## Sector Weighting as of 06-30-2023



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	13.78	13.78	42.57	Technology
Apple Inc	6.22	19.99	49.65	Technology
Amazon.com Inc	5.88	25.87	55.19	Consumer Cyclical
Alphabet Inc Class A	5.68	31.55	35.67	Communication Svc
⊕ NVIDIA Corp	5.32	36.87	189.52	Technology
Mastercard Inc Class A	3.75	40.62	13.43	Financial Services
Visa Inc Class A	3.15	43.77	14.74	Financial Services
⊕ Meta Platforms Inc Class A	2.50	46.27	138.47	Communication Svc
Boston Scientific Corp	1.94	48.21	16.90	Healthcare
Vulcan Materials Co	1.91	50.12	29.23	Basic Materials
Verisk Analytics Inc	1.71	51.83	28.51	Industrials
Vertex Pharmaceuticals Inc	1.64	53.47	21.86	Healthcare
⊕ Cadence Design Systems Inc	1.58	55.05	45.99	Technology
Alphabet Inc Class C	1.54	56.58	36.33	Communication Svc
ASML Holding NV ADR	1.50	58.09	33.25	Technology

**Total Holdings 72**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# PGIM Jennison Small Company R6 PJSQX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Portfolio Manager(s)

Jason Swiatek since 11-2013  
Jonathan Shapiro since 07-2018

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 9.59 years.

✗ **Style:** The fund has landed in its primary style box — Small Growth — 8.82 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.71 is 38.79% lower than the Small Growth category average.

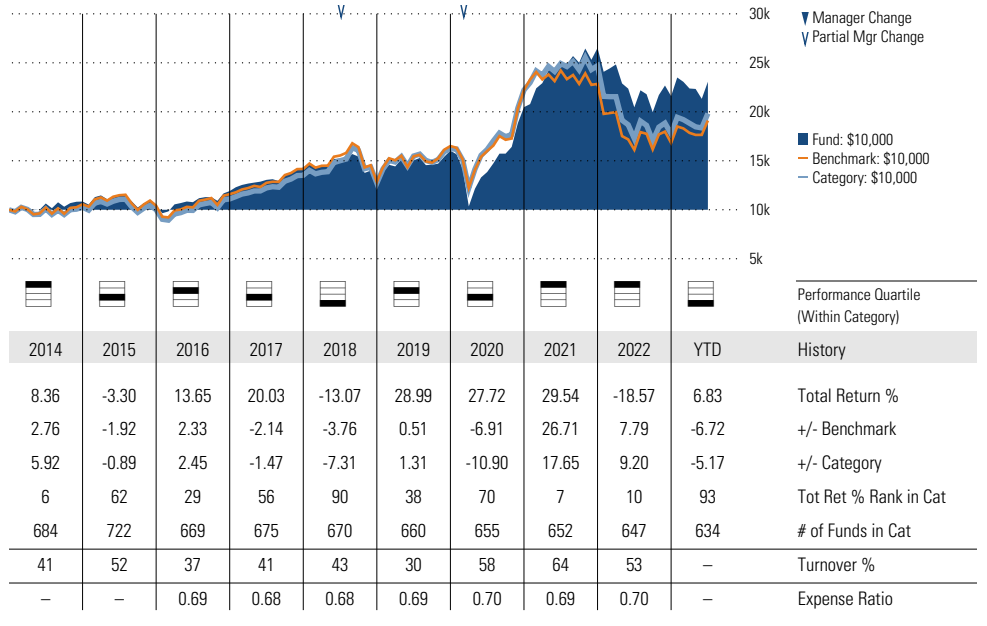
## Morningstar Investment Management LLC Analysis

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

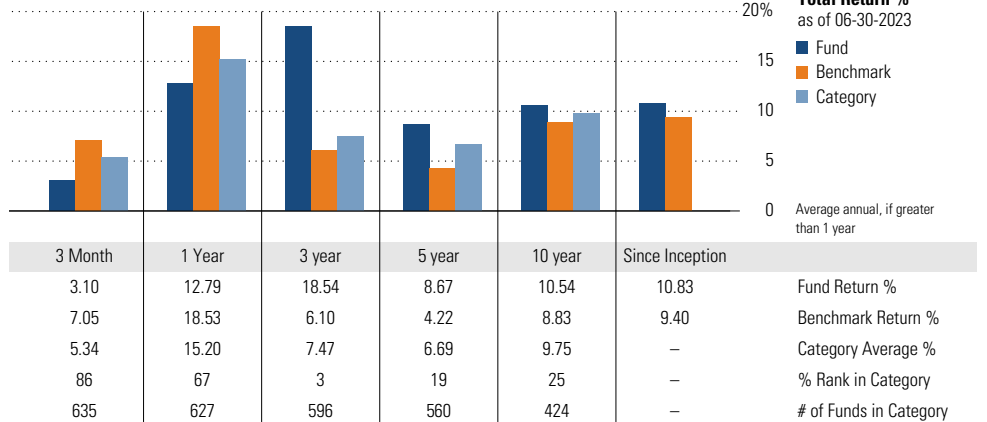
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

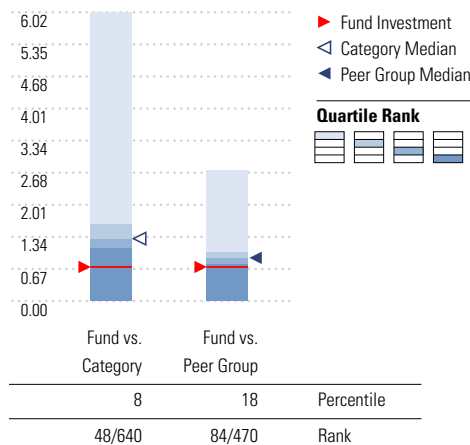
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	12.23	-	0.92
Beta	0.82	-	0.93
R-Squared	83.83	-	89.28
Standard Deviation	20.09	22.51	22.20
Sharpe Ratio	0.87	0.30	0.33
Tracking Error	9.07	-	7.54
Information Ratio	1.37	-	0.05
Up Capture Ratio	108.45	-	97.66
Down Capture Ratio	68.23	-	95.95

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.87	19.60	23.17
Price/Book Ratio	2.35	3.99	3.97
Geom Avg Mkt Cap \$B	4.89	2.69	5.20
ROE	14.99	7.12	16.08

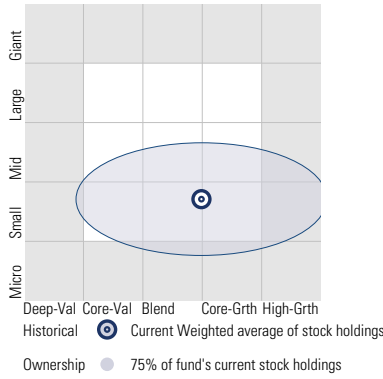
# PGIM Jennison Small Company R6 PJSQX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 06-30-2023

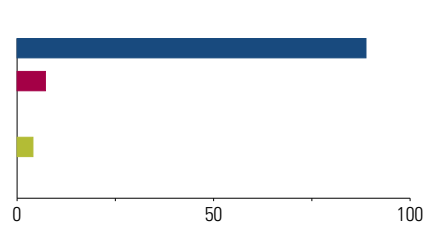
Morningstar Style Box™



## Style Breakdown

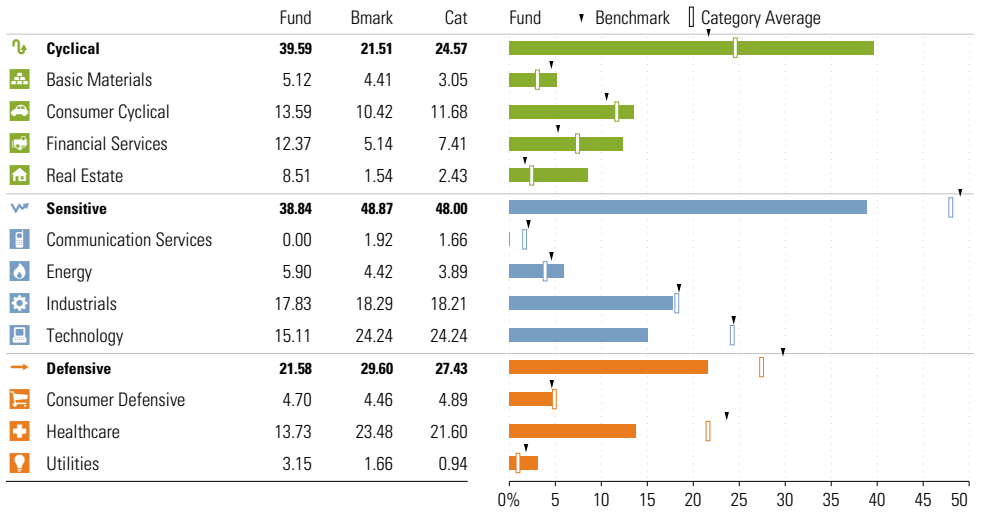


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	88.77	91.33
Non-US Stocks	7.20	4.70
Bonds	0.00	0.02
Cash	4.03	2.39
Other	0.00	1.55
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Prudential Govt Money Mkt Fd	3.79	3.79	-	-
⊕ Gaming and Leisure Properties Inc	2.26	6.05	-3.72	Real Estate
⊕ Targa Resources Corp	2.18	8.23	4.69	Energy
⊕ Trinity Industries Inc	1.94	10.17	-11.30	Industrials
⊕ Performance Food Group Co	1.82	11.99	3.17	Consumer Defensive
⊕ Kirby Corp	1.78	13.77	19.58	Industrials
⊕ Apellis Pharmaceuticals Inc	1.76	15.53	76.17	Healthcare
⊕ Molina Healthcare Inc	1.70	17.23	-8.78	Healthcare
⊕ Paycom Software Inc	1.67	18.90	3.64	Technology
⊕ Churchill Downs Inc	1.67	20.57	31.65	Consumer Cyclical
⊕ Shift4 Payments Inc Class A	1.62	22.19	21.42	Technology
⊕ On Holding AG	1.59	23.78	-	Consumer Cyclical
⊕ Constellium SE Class A	1.53	25.31	45.39	Basic Materials
⊕ Markel Group Inc	1.53	26.84	4.99	Financial Services
⊕ Universal Display Corp	1.53	28.37	34.05	Technology

**Total Holdings 118**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
Bloomberg US Universal TR USD

## Portfolio Manager(s)

Daniel Ivascyn since 03-2007  
Alfred Murata since 03-2013  
Joshua Anderson since 07-2018

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 16.26 years.

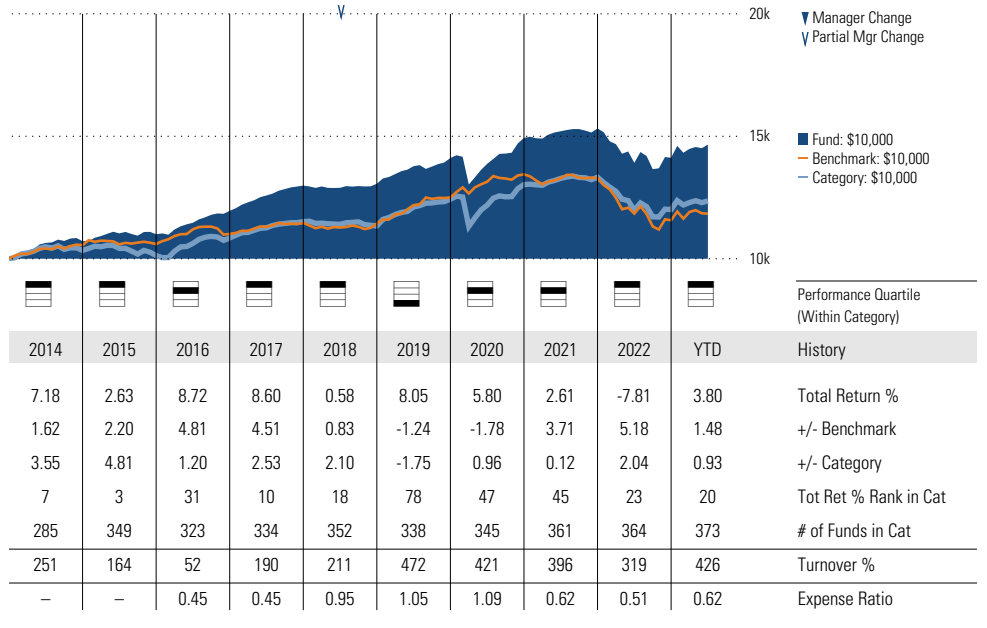
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.51 is 46.88% lower than the Multisector Bond category average.

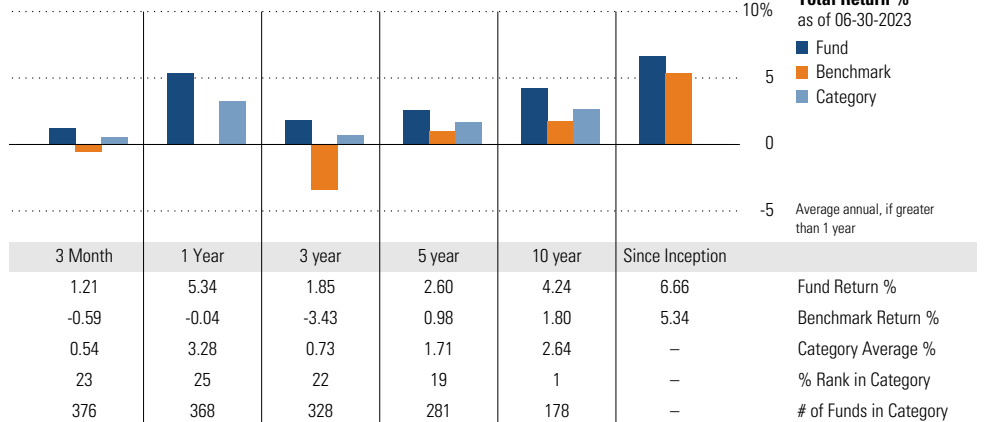
## Morningstar Investment Management LLC Analysis

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

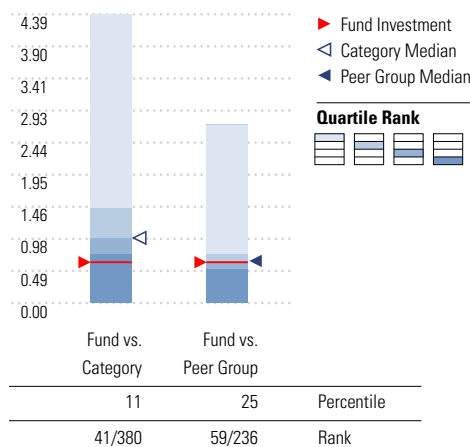
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	4.72	-	3.51
Beta	0.83	-	0.81
R-Squared	78.10	-	68.58
Standard Deviation	5.76	6.16	6.01
Sharpe Ratio	0.07	-0.80	-0.11
Tracking Error	2.90	-	3.72
Information Ratio	1.82	-	1.13
Up Capture Ratio	101.56	-	94.09
Down Capture Ratio	47.22	-	54.19

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	3.83	4.55	4.68
Avg Eff Maturity	5.90	7.69	7.26

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

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
Bloomberg US Universal TR USD

## Style Analysis as of 06-30-2023

### Style Breakdown



## Asset Allocation as of 06-30-2023

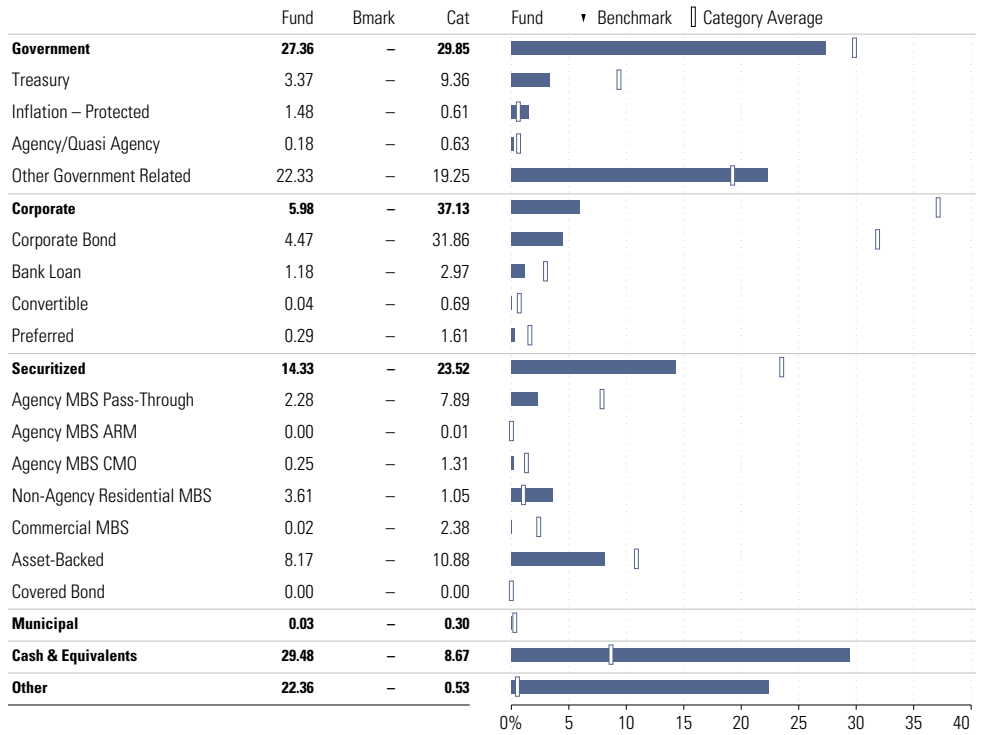


Asset Class	Net %	Cat%
US Stocks	1.15	1.07
Non-US Stocks	0.36	0.12
Bonds	129.67	95.94
Cash	-31.68	0.73
Other	0.52	2.16
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	48.99	67.64	23.08
AA	4.79	3.23	4.30
A	4.16	10.03	8.85
BBB	14.85	10.89	23.74
BB	14.13	3.19	17.69
B	4.43	3.64	12.71
Below B	8.66	1.38	4.11
Not Rated	0.00	0.00	5.51

## Sector Weighting as of 06-30-2023



## Top 10 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Offset: Unsettled Trades	-	29.18	29.18	-
✳ Cash Offset	-	15.55	44.73	-
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Pay	11-2023	14.02	58.75	-
⊕ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Receive	11-2023	13.58	72.32	-
⊖ 10 Year Treasury Note Future Mar 23	03-2023	9.32	81.64	-
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Pay	03-2029	9.16	90.80	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	9.14	99.94	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Pay	12-2024	9.12	109.07	-
⊕ IRS EUR 2.95000 10/27/22-6Y* LCH Receive	03-2029	9.04	118.10	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	8.45	126.55	-

**Total Holdings 7956**

⊕ 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 7.18 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 94.74% lower than the Large Blend category average.

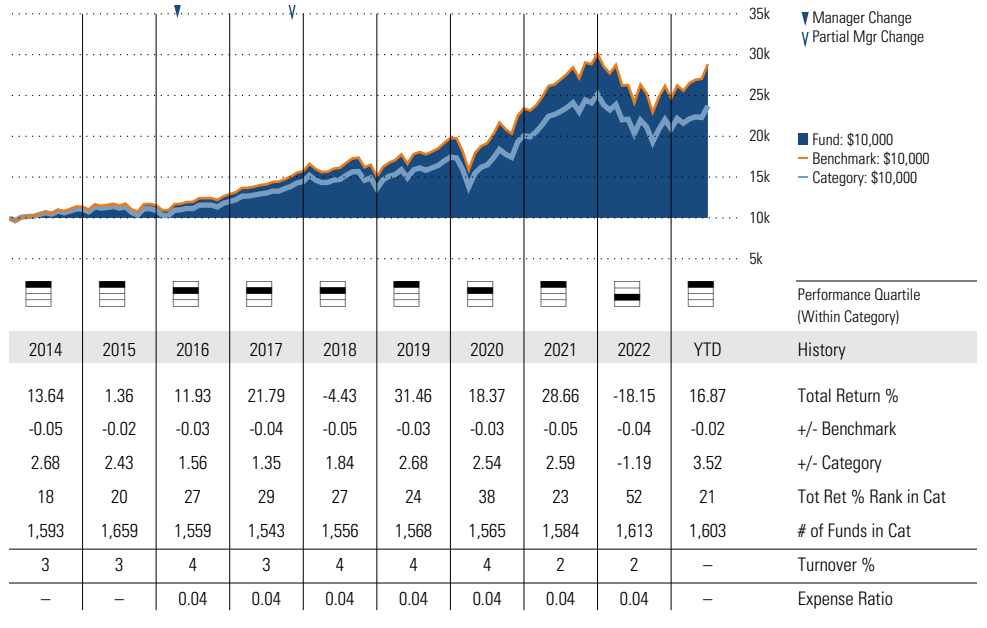
## Morningstar Investment Management LLC Analysis

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.

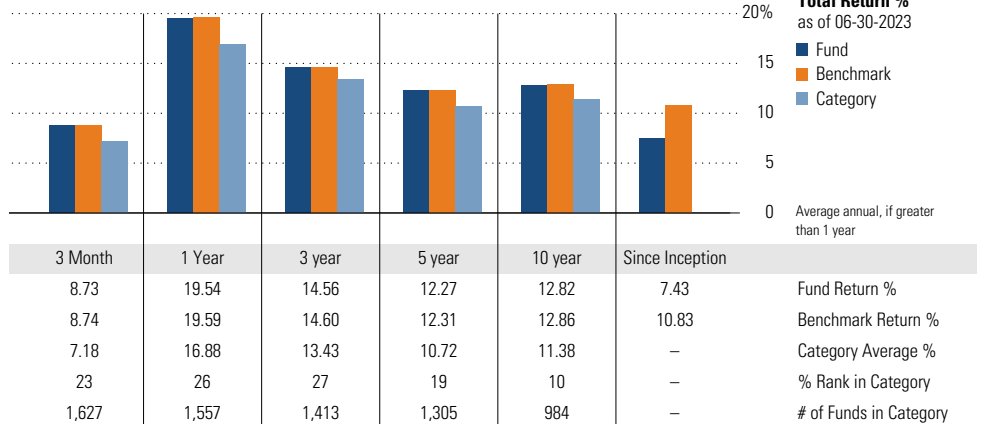
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

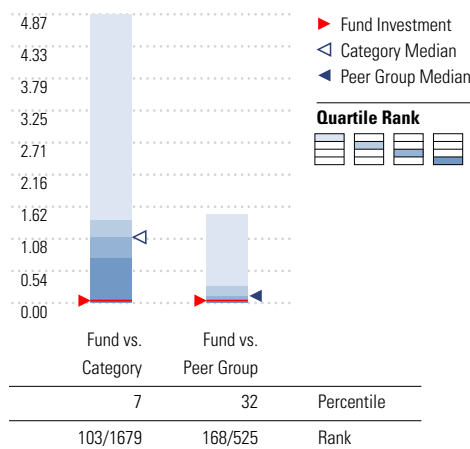
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.04	-	-0.66
Beta	1.00	-	0.94
R-Squared	100.00	-	94.49
Standard Deviation	18.19	18.19	17.67
Sharpe Ratio	0.75	0.75	0.68
Tracking Error	0.01	-	3.87
Information Ratio	-4.97	-	-1.22
Up Capture Ratio	99.93	-	92.67
Down Capture Ratio	100.07	-	95.01

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	22.85	22.84	21.76
Price/Book Ratio	4.02	4.02	4.30
Geom Avg Mkt Cap \$B	223.38	223.20	261.92
ROE	29.43	29.42	28.63

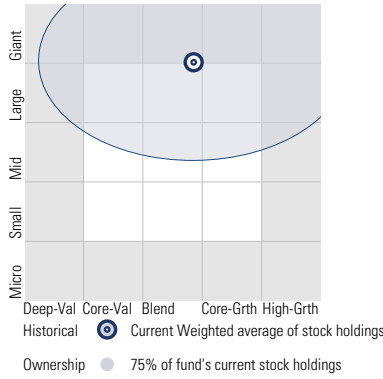
# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Style Analysis as of 06-30-2023

Morningstar Style Box™



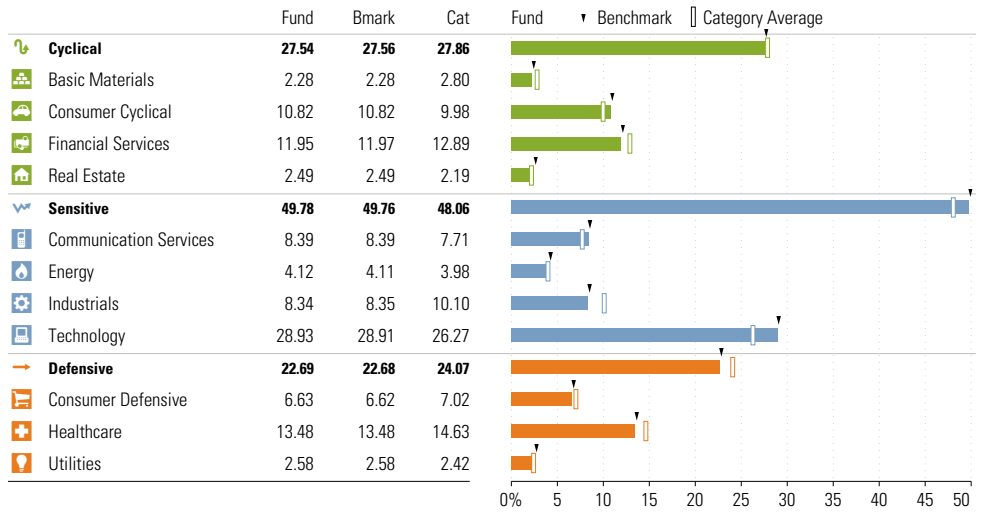
## Style Breakdown



## Asset Allocation as of 06-30-2023



## Sector Weighting as of 06-30-2023



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.69	7.69	49.65	Technology
⊕ Microsoft Corp	6.79	14.48	42.57	Technology
⊕ Amazon.com Inc	3.12	17.61	55.19	Consumer Cyclical
⊕ NVIDIA Corp	2.81	20.41	189.52	Technology
⊕ Alphabet Inc Class A	1.91	22.32	35.67	Communication Svc
⊕ Tesla Inc	1.89	24.21	112.51	Consumer Cyclical
⊕ Meta Platforms Inc Class A	1.70	25.91	138.47	Communication Svc
⊖ Alphabet Inc Class C	1.66	27.57	36.33	Communication Svc
⊕ Berkshire Hathaway Inc Class B	1.63	29.20	10.39	Financial Services
⊕ UnitedHealth Group Inc	1.20	30.40	-8.68	Healthcare
⊖ Exxon Mobil Corp	1.16	31.57	-1.12	Energy
⊕ Johnson & Johnson	1.15	32.72	-4.99	Healthcare
⊕ JPMorgan Chase & Co	1.14	33.86	9.95	Financial Services
⊕ Visa Inc Class A	1.02	34.88	14.74	Financial Services
⊕ Eli Lilly and Co	0.99	35.88	28.81	Healthcare

**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 10.36 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 0.07 is 91.95% lower than the Foreign Large Blend category average.

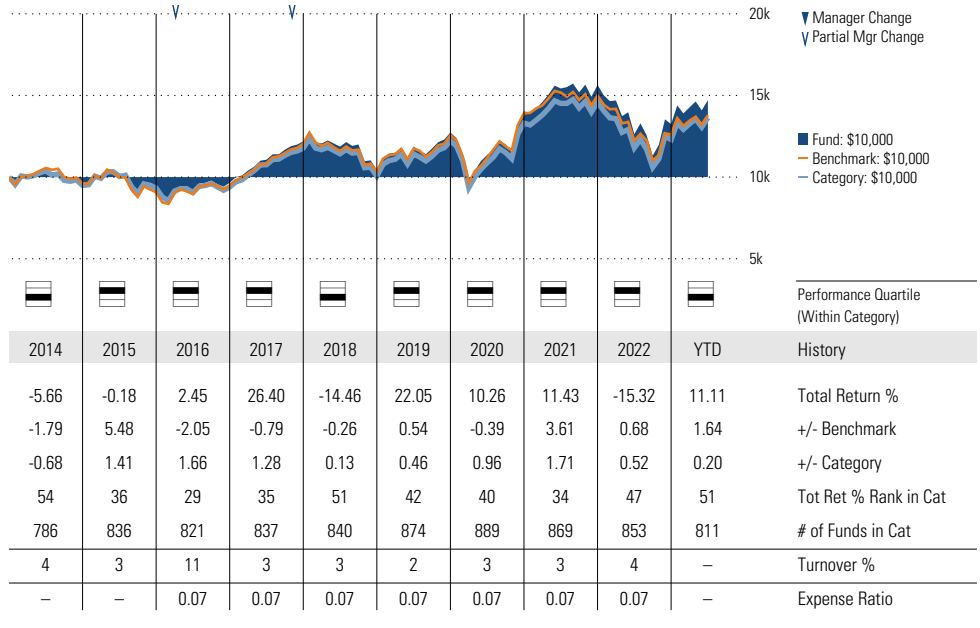
## Morningstar Investment Management LLC Analysis

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.

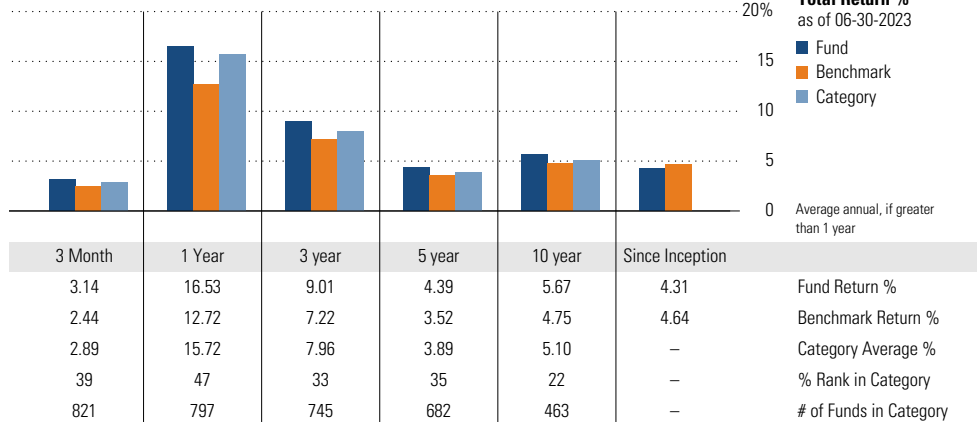
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

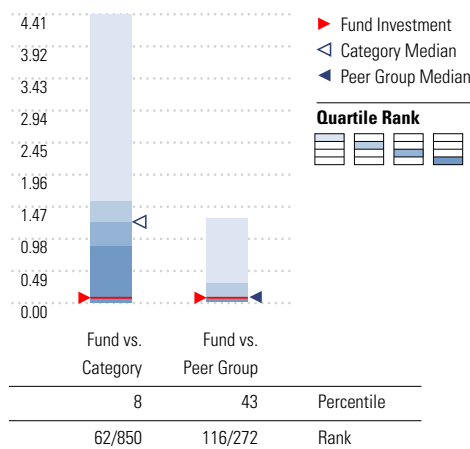
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.22	-	0.56
Beta	1.09	-	1.04
R-Squared	96.59	-	93.50
Standard Deviation	18.92	17.05	18.28
Sharpe Ratio	0.47	0.40	0.42
Tracking Error	3.82	-	4.68
Information Ratio	0.47	-	0.18
Up Capture Ratio	113.99	-	106.88
Down Capture Ratio	109.86	-	105.69

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.43	13.32	13.48
Price/Book Ratio	1.58	1.69	1.77
Geom Avg Mkt Cap \$B	30.17	43.39	51.74
ROE	16.76	17.67	19.85

# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 06-30-2023

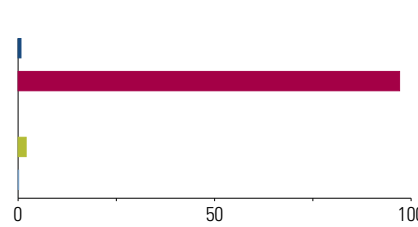
Morningstar Style Box™



## Style Breakdown

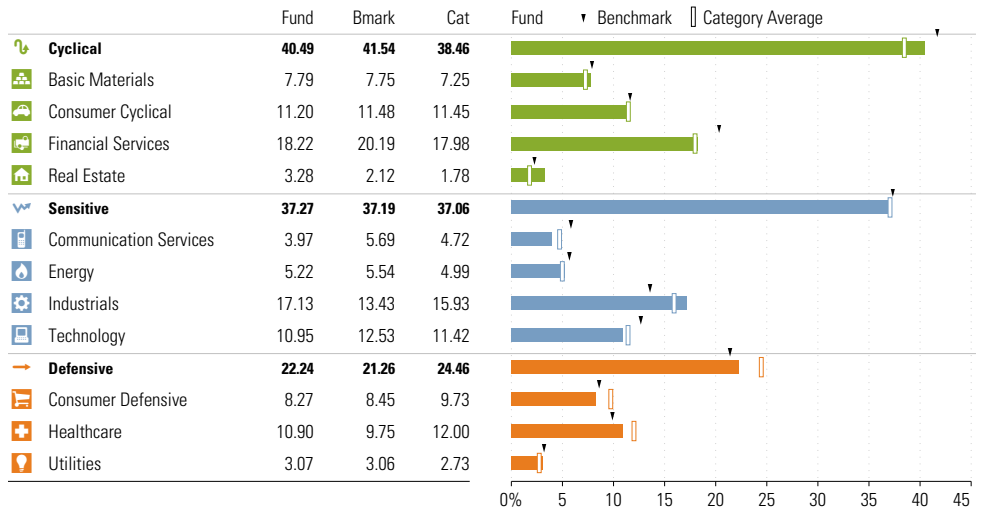


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	97.07	94.02
Non-US Stocks	0.00	0.19
Bonds	2.05	1.26
Cash	0.15	1.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## World Regions % Equity 06-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	36.07	35.44	Americas	10.29	8.59	Greater Europe	53.63	55.97	Developed Markets	99.45
Japan	21.11	18.32	North America	10.26	7.30	United Kingdom	12.23	13.49	Emerging Markets	0.55
Australasia	6.91	5.01	Central/Latin	0.03	1.29	W euro-ex UK	40.51	41.42	Not Available	0.00
Asia-4 Tigers	7.86	6.74				Emrgng Europe	0.32	0.07		
Asia-ex 4 Tigers	0.19	5.37				Africa	0.57	0.99		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Nestle SA	1.50	1.50	3.18	Consumer Defensive
⊖ Slcmt1142	1.36	2.86	-	-
⊖ ASML Holding NV	1.34	4.20	32.21	Technology
Samsung Electronics Co Ltd	1.22	5.42	-	Technology
⊕ Novo Nordisk A/S Class B	1.18	6.60	18.08	Healthcare
⊕ LVMH Moet Hennessy Louis Vuitton SE	1.09	7.69	27.96	Consumer Cyclical
⊕ AstraZeneca PLC	0.99	8.68	1.97	Healthcare
⊕ Roche Holding AG	0.99	9.67	-2.58	Healthcare
⊖ Shell PLC	0.95	10.62	2.73	Energy
⊕ Novartis AG Registered Shares	0.95	11.57	11.50	Healthcare

**Total Holdings 4054**

⊕ 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 83.05% lower than the Inflation-Protected Bond category average.

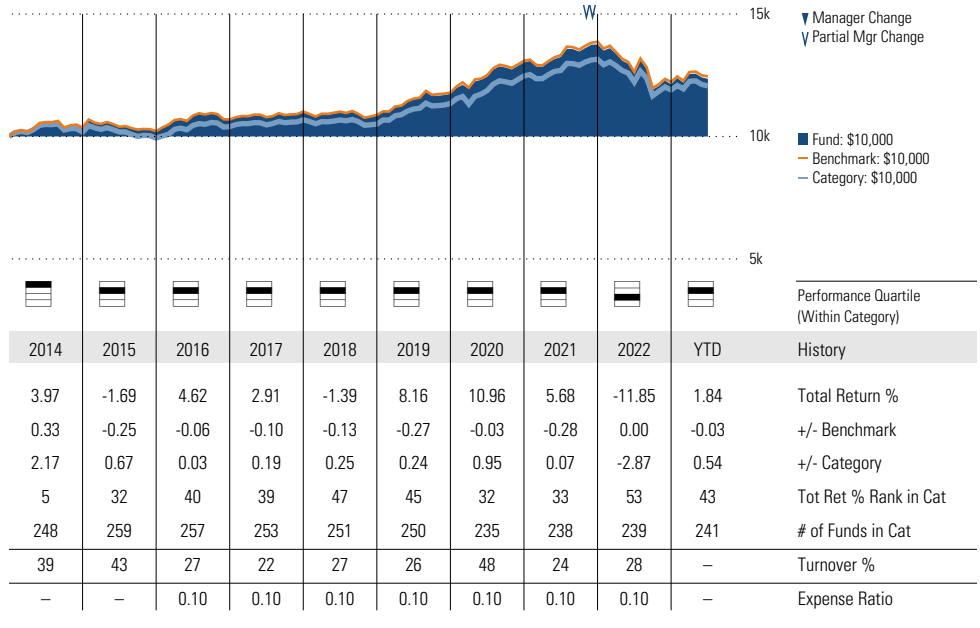
## Morningstar Investment Management LLC Analysis

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

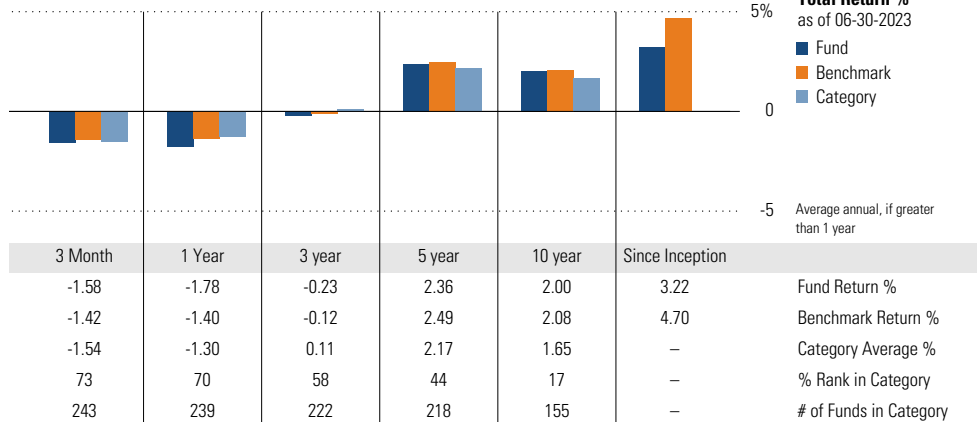
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023

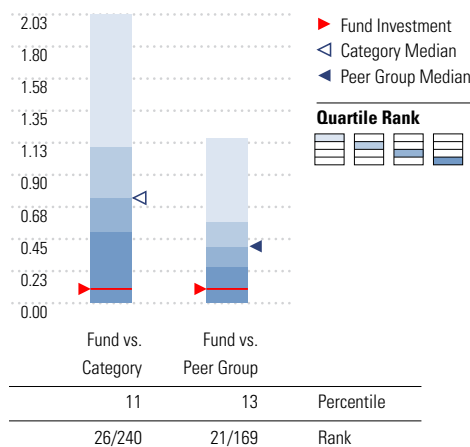
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.11	-	0.39
Beta	0.99	-	0.90
R-Squared	99.72	-	93.20
Standard Deviation	6.89	6.94	6.45
Sharpe Ratio	-0.23	-0.21	-0.12
Tracking Error	0.37	-	1.94
Information Ratio	-0.29	-	-0.10
Up Capture Ratio	98.55	-	90.88
Down Capture Ratio	99.76	-	86.78

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.85	4.52	5.61
Avg Eff Maturity	7.30	-	6.56

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

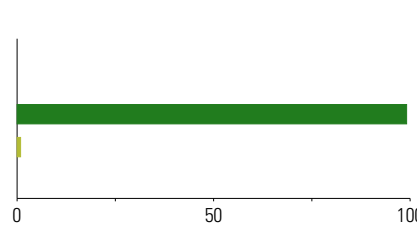
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Style Analysis as of 06-30-2023

### Style Breakdown



## Asset Allocation as of 06-30-2023

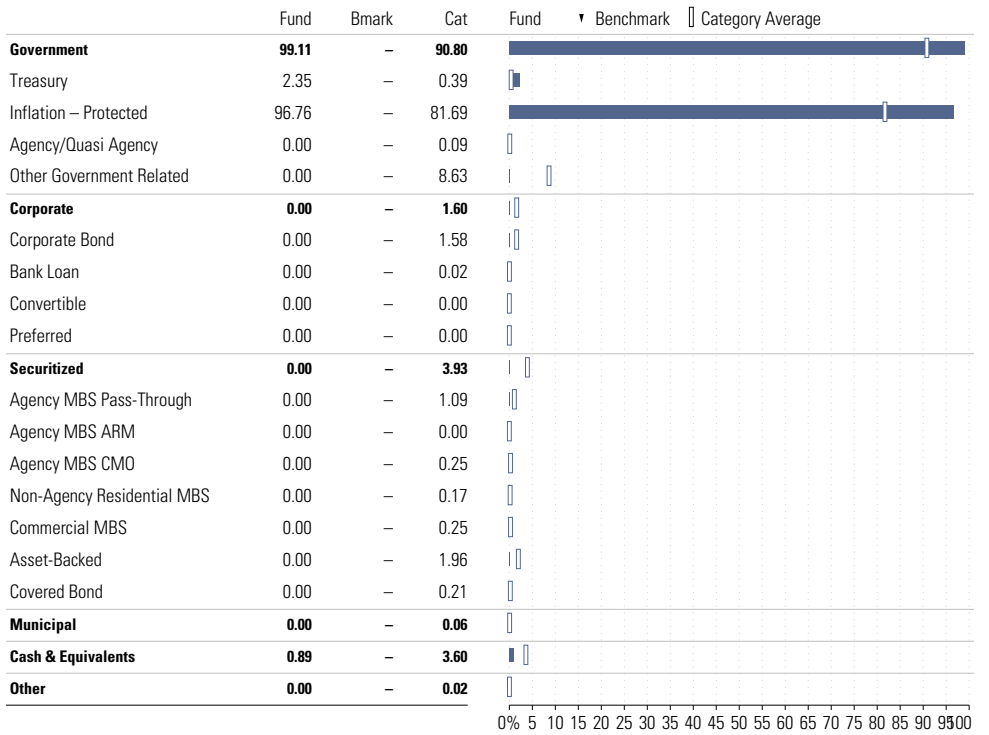


Asset Class	Net %	Cat%
US Stocks	0.00	0.02
Non-US Stocks	0.00	-0.02
Bonds	99.11	99.25
Cash	0.89	0.58
Other	0.00	0.17
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	99.91	0.00	93.28
AA	0.00	99.60	0.25
A	0.00	0.00	0.78
BBB	0.00	0.00	1.38
BB	0.00	0.00	1.75
B	0.00	0.00	1.27
Below B	0.00	0.00	0.40
Not Rated	0.09	0.40	0.89

## Sector Weighting as of 06-30-2023



## Top 10 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ United States Treasury Notes	-	3.66	3.66	-
⊖ United States Treasury Notes	-	3.41	7.07	-
⊕ United States Treasury Notes	-	3.32	10.39	-
⊖ United States Treasury Notes	-	3.24	13.63	-
⊖ United States Treasury Notes	-	3.21	16.84	-
United States Treasury Notes	-	3.10	19.94	-
⊖ United States Treasury Notes	-	3.03	22.97	-
⊖ United States Treasury Notes	-	3.02	26.00	-
⊖ United States Treasury Notes	-	2.97	28.97	-
⊖ United States Treasury Notes	-	2.96	31.93	-

**Total Holdings 58**

⊕ 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  
Aur lie Denis since 02-2023

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 25.13 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 94.12% lower than the Mid-Cap Blend category average.

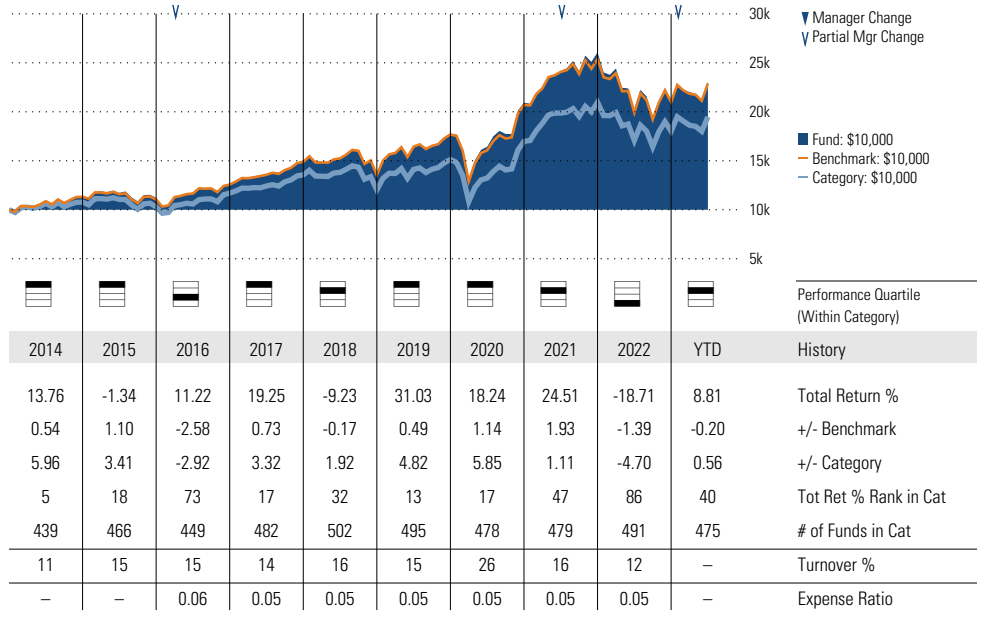
## Morningstar Investment Management LLC Analysis

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	3	05-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

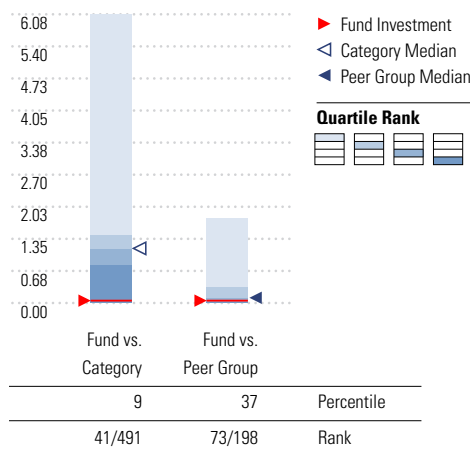
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.40	-	0.81
Beta	0.99	-	0.97
R-Squared	99.46	-	92.83
Standard Deviation	19.19	19.29	19.55
Sharpe Ratio	0.60	0.62	0.64
Tracking Error	1.42	-	5.22
Information Ratio	-0.39	-	0.07
Up Capture Ratio	98.44	-	98.14
Down Capture Ratio	99.96	-	95.34

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.26	16.94	15.59
Price/Book Ratio	2.90	2.69	2.60
Geom Avg Mkt Cap \$B	24.88	18.19	11.07
ROE	17.69	16.85	20.82

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

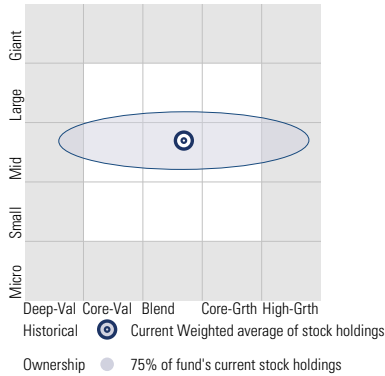
Mid-Cap Blend

Morningstar Index

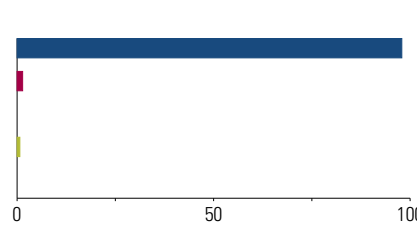
Russell Mid Cap TR USD

## Style Analysis as of 06-30-2023

Morningstar Style Box™

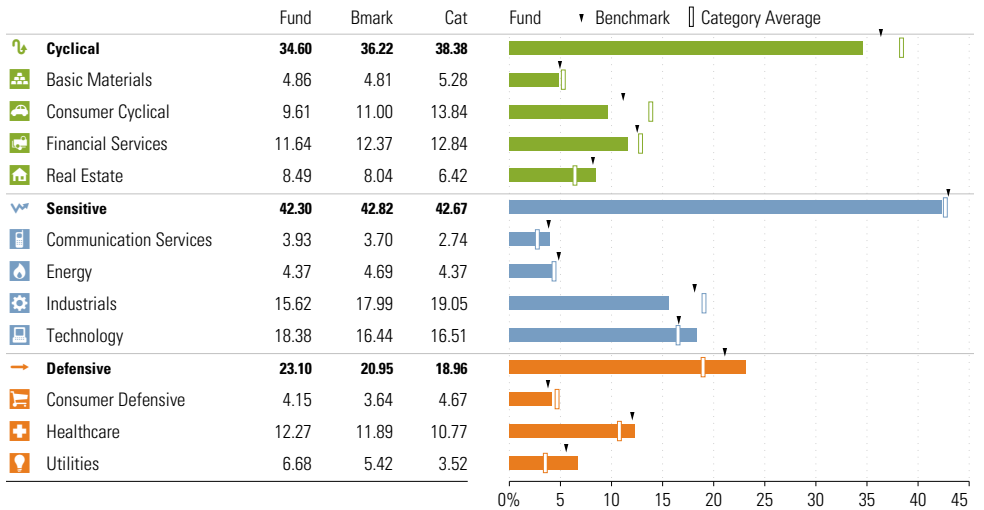


## Asset Allocation as of 06-30-2023

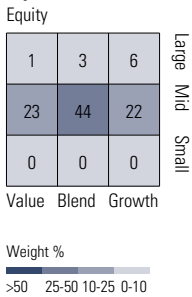


Asset Class	Net %	Cat%
US Stocks	97.89	95.53
Non-US Stocks	1.41	2.68
Bonds	0.00	0.06
Cash	0.70	1.33
Other	0.00	0.39
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Style Breakdown



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Amphenol Corp Class A	0.79	0.79	12.12	Technology
⊖ DexCom Inc	0.78	1.58	13.48	Healthcare
⊖ Motorola Solutions Inc	0.77	2.35	14.49	Technology
⊖ Microchip Technology Inc	0.77	3.12	28.59	Technology
⊕ Arthur J. Gallagher & Co	0.74	3.86	17.04	Financial Services
⊕ TransDigm Group Inc	0.73	4.59	42.01	Industrials
⊖ PACCAR Inc	0.69	5.28	27.54	Industrials
⊖ Cintas Corp	0.67	5.95	10.58	Industrials
⊖ IQVIA Holdings Inc	0.65	6.61	9.70	Healthcare
⊖ Carrier Global Corp Ordinary Shares	0.65	7.26	21.41	Industrials
⊖ Nucor Corp	0.65	7.91	25.18	Basic Materials
⊖ ON Semiconductor Corp	0.64	8.55	51.64	Technology
⊕ PG&E Corp	0.64	9.19	6.27	Utilities
⊕ Realty Income Corp	0.63	9.82	-3.34	Real Estate
⊕ Welltower Inc	0.63	10.45	25.26	Real Estate

**Total Holdings 345**

⊕ 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 27.15 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 91.43 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.12 is 88.46% 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.

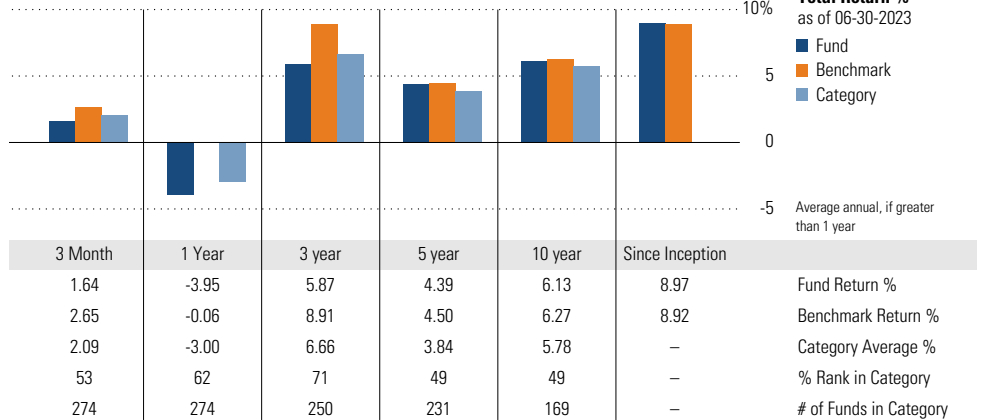
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

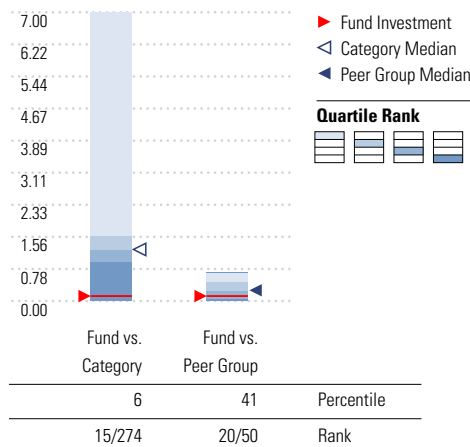
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-2.83	-	-1.69
Beta	1.00	-	0.96
R-Squared	98.74	-	93.81
Standard Deviation	20.22	20.05	19.81
Sharpe Ratio	0.30	0.44	0.35
Tracking Error	2.27	-	4.50
Information Ratio	-1.34	-	-0.58
Up Capture Ratio	95.85	-	93.21
Down Capture Ratio	105.61	-	99.34

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	28.85	38.46	29.90
Price/Book Ratio	2.25	2.42	2.19
Geom Avg Mkt Cap \$B	21.51	9.35	31.26
ROE	14.13	9.56	15.54

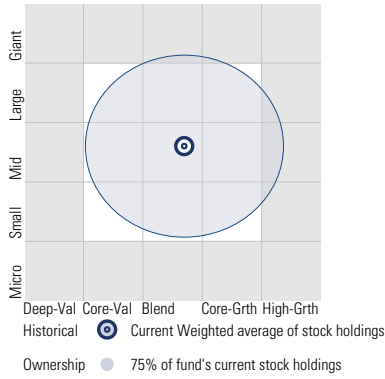
# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

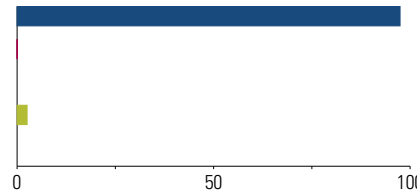
**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 06-30-2023

Morningstar Style Box™

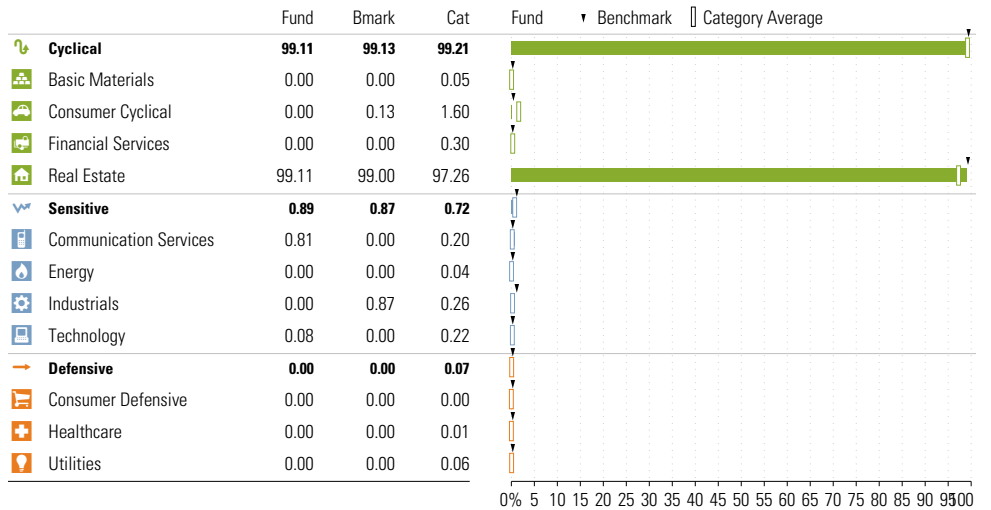


## Asset Allocation as of 06-30-2023

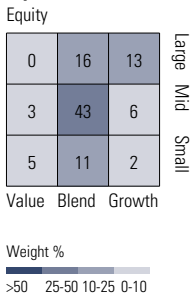


Asset Class	Net %	Cat%
US Stocks	97.44	82.54
Non-US Stocks	0.02	1.21
Bonds	0.00	3.38
Cash	2.54	0.83
Other	0.00	12.05
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Style Breakdown



## Top 15 Holdings as of 06-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	12.52	12.52	-	-
⊖ Prologis Inc	7.44	19.96	10.33	Real Estate
⊖ American Tower Corp	5.93	25.89	-6.98	Real Estate
⊖ Equinix Inc	4.81	30.71	20.72	Real Estate
⊖ Crown Castle Inc	3.24	33.95	-13.69	Real Estate
⊖ Public Storage	3.03	36.98	6.31	Real Estate
⊖ Realty Income Corp	2.59	39.58	-3.34	Real Estate
⊖ Welltower Inc	2.54	42.12	25.26	Real Estate
⊖ Simon Property Group Inc	2.40	44.52	1.40	Real Estate
⊕ CoStar Group Inc	2.38	46.90	15.17	Real Estate
⊖ Digital Realty Trust Inc	2.07	48.96	16.00	Real Estate
⊖ VICI Properties Inc Ordinary Shares	1.80	50.77	-0.59	Real Estate
⊖ AvalonBay Communities Inc	1.74	52.51	19.22	Real Estate
⊖ SBA Communications Corp Class A	1.65	54.15	-16.71	Real Estate
⊖ CBRE Group Inc Class A	1.65	55.80	4.87	Real Estate

**Total Holdings 169**

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

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.36 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 86.21% lower than the Target-Date 2020 category average.

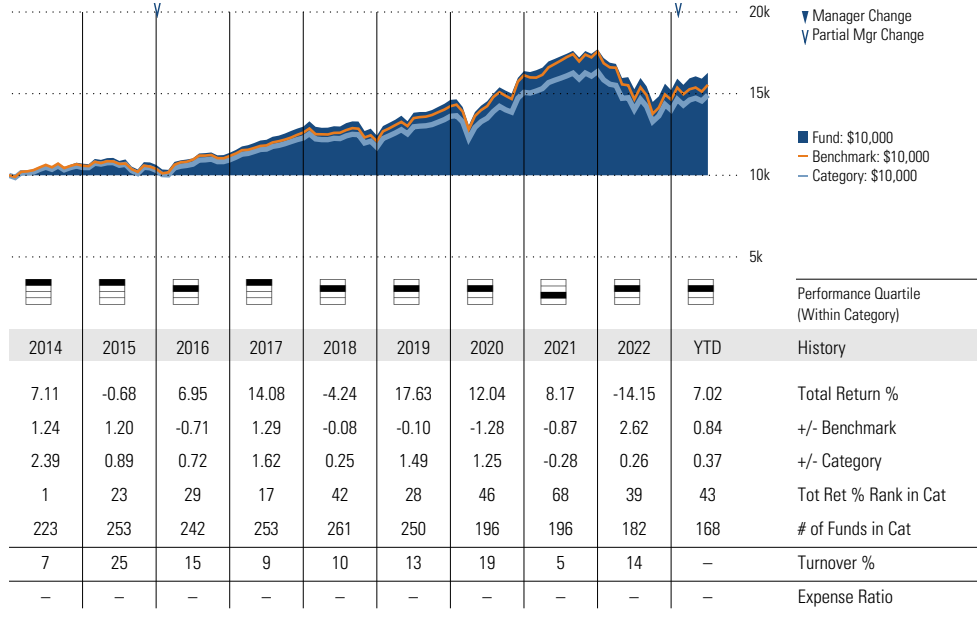
## Morningstar Investment Management LLC Analysis

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.

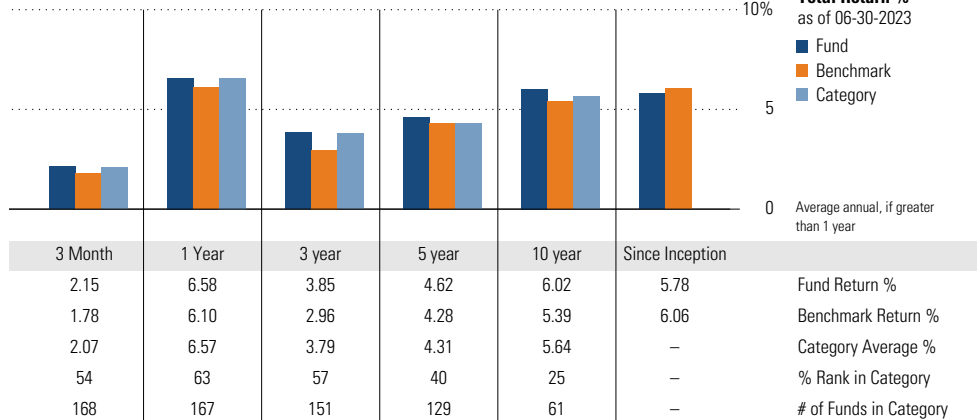
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
ESG Commitment	1-Low	02-15-2022

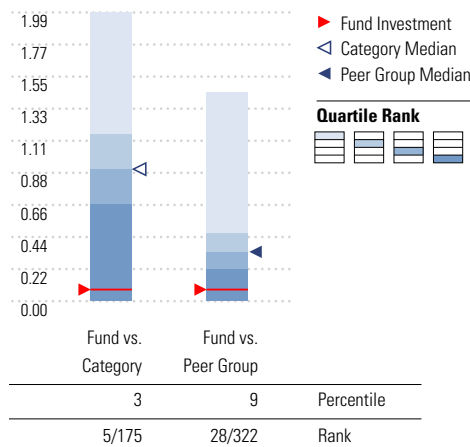
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.17	-	1.08
Beta	0.87	-	0.88
R-Squared	98.44	-	97.30
Standard Deviation	10.06	11.49	10.23
Sharpe Ratio	0.27	0.17	0.25
Tracking Error	1.96	-	2.28
Information Ratio	0.45	-	0.42
Up Capture Ratio	90.86	-	91.21
Down Capture Ratio	83.36	-	84.32

## Portfolio Metrics

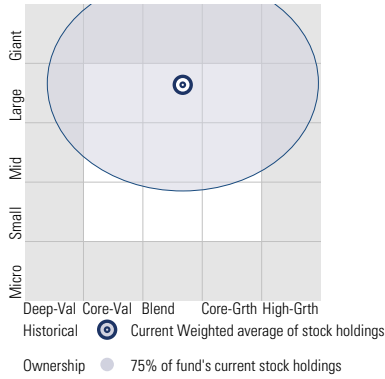
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.10	17.42	17.71
Price/Book Ratio	2.40	2.45	2.54
Avg Eff Duration	6.05	-	5.71

# Vanguard Target Retirement 2020 Fund VTWNX

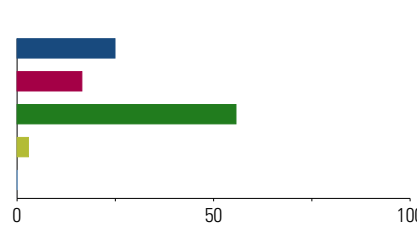
**Morningstar Category**  
Target-Date 2020

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

**Style Analysis** as of 06-30-2023  
Morningstar Style Box™

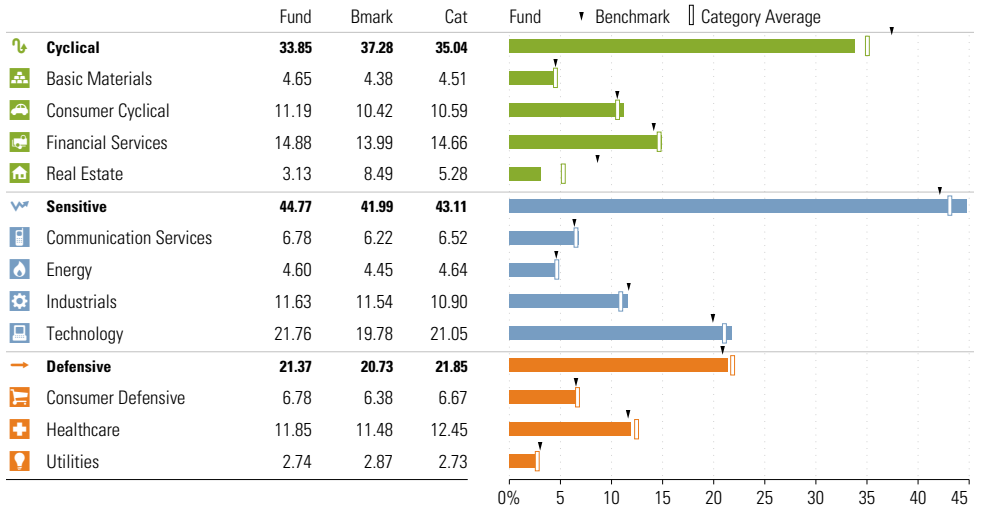


**Asset Allocation** as of 06-30-2023

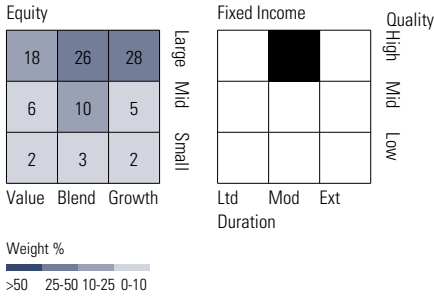


Asset Class	Net %	Cat%
US Stocks	24.91	25.00
Non-US Stocks	16.48	14.11
Bonds	55.69	50.06
Cash	2.88	2.65
Other	0.03	8.18
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Style Breakdown**



**Top 7 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	—	31.87	31.87	—	—
⊖ Vanguard Total Stock Mkt Idx Instl Pls	—	25.08	56.94	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	16.94	73.88	—	—
⊕ Vanguard Total Intl Bd II Idx Instl	—	14.28	88.15	—	—
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	10.96	99.11	—	—
⊖ Mktliq 12/31/2049	—	0.91	100.02	—	—
⊕ Us Dollar	—	0.02	100.04	—	—

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 86.89% lower than the Target-Date 2025 category average.

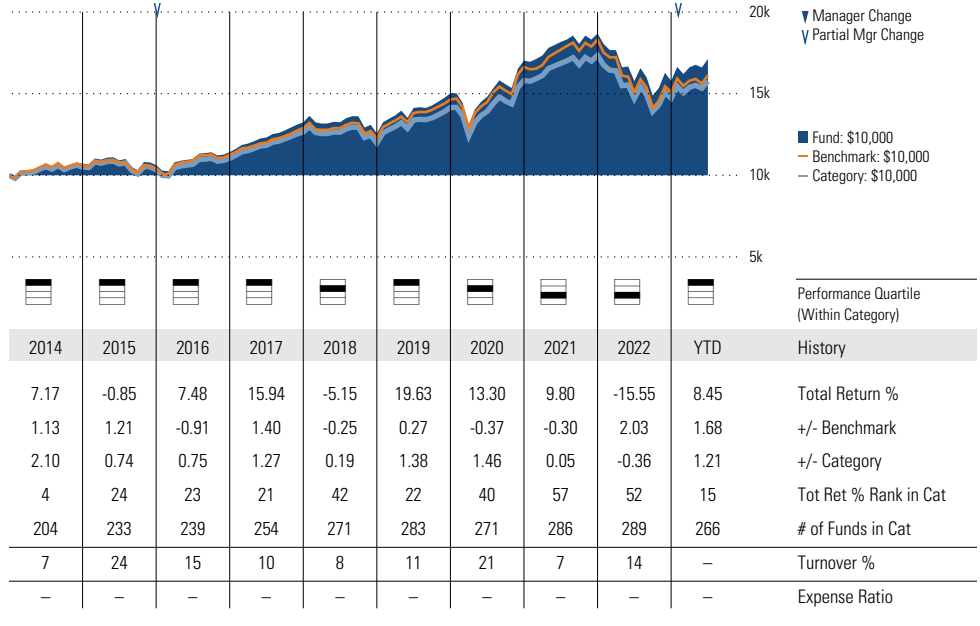
## Morningstar Investment Management LLC Analysis

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.

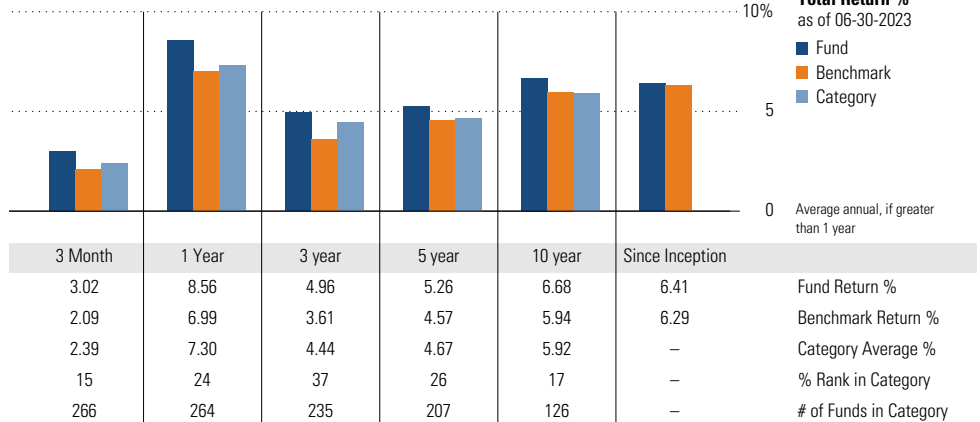
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

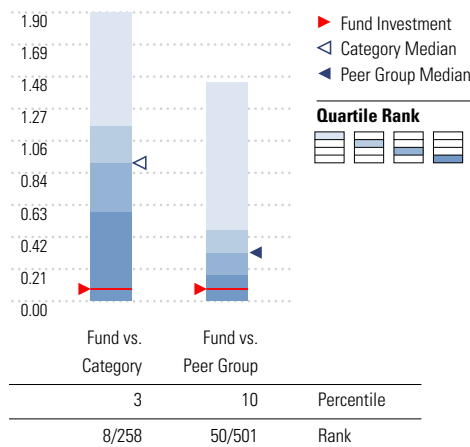
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.49	-	1.10
Beta	0.93	-	0.88
R-Squared	98.61	-	97.72
Standard Deviation	11.69	12.43	11.02
Sharpe Ratio	0.34	0.22	0.29
Tracking Error	1.61	-	2.40
Information Ratio	0.84	-	0.44
Up Capture Ratio	99.10	-	92.16
Down Capture Ratio	90.66	-	85.92

## Portfolio Metrics

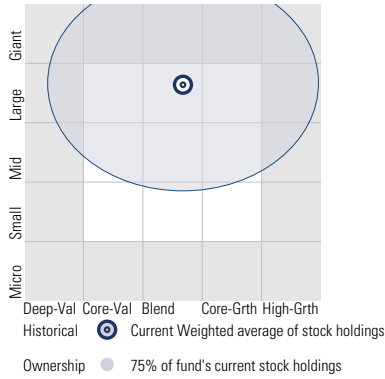
	Fund	Bmark	Cat
Price/Earnings Ratio	17.16	17.22	17.76
Price/Book Ratio	2.42	2.41	2.54
Avg Eff Duration	6.45	-	6.76

# Vanguard Target Retirement 2025 Fund VTTVX

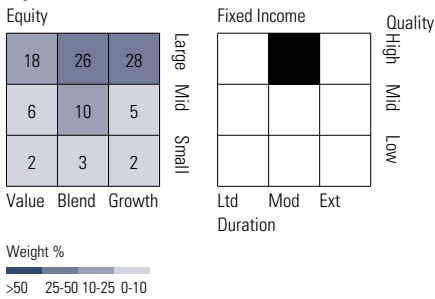
**Morningstar Category**  
Target-Date 2025

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

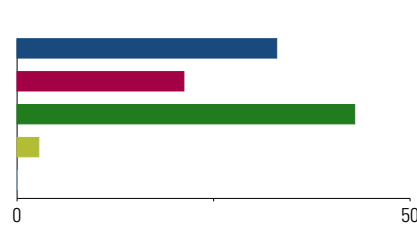
**Style Analysis** as of 06-30-2023  
Morningstar Style Box™



**Style Breakdown**

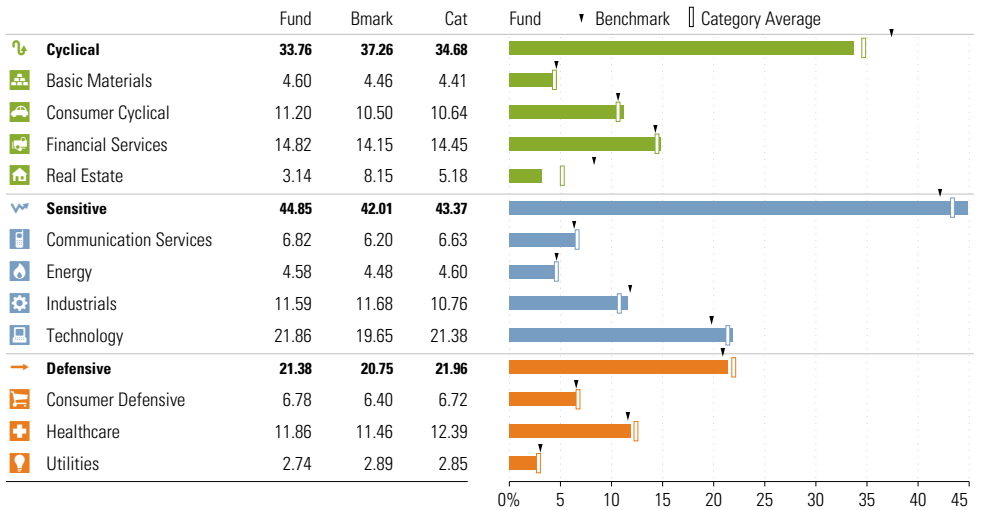


**Asset Allocation** as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	33.03	28.15
Non-US Stocks	21.22	15.03
Bonds	42.95	42.01
Cash	2.76	3.45
Other	0.04	11.35
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Top 7 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	33.25	33.25	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	27.75	61.01	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	21.80	82.81	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	11.91	94.72	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	4.09	98.81	-	-
⊖ Mktliq 12/31/2049	-	1.19	100.00	-	-
⊕ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category**  
Target-Date 2030

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 2030 category average.

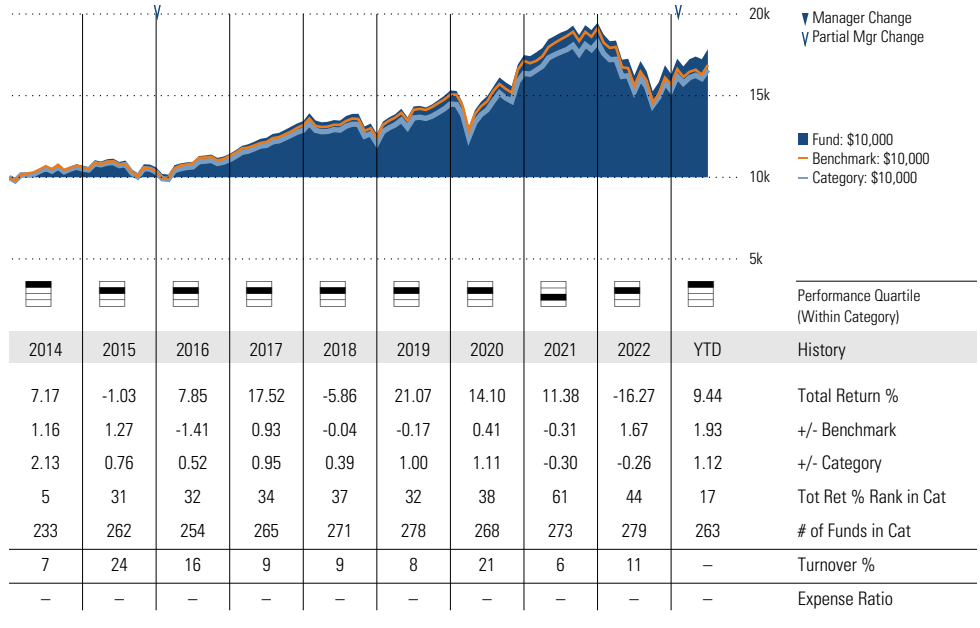
## Morningstar Investment Management LLC Analysis

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	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

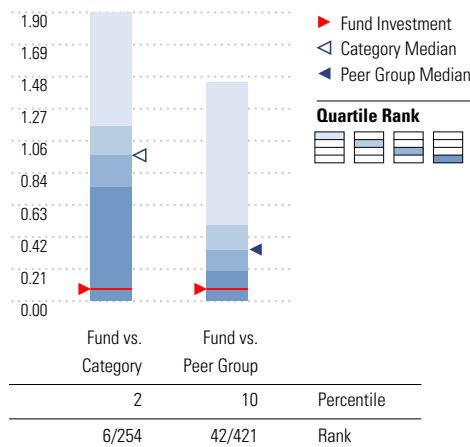
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.37	-	1.21
Beta	0.94	-	0.92
R-Squared	98.78	-	98.19
Standard Deviation	12.80	13.47	12.47
Sharpe Ratio	0.40	0.30	0.38
Tracking Error	1.60	-	2.14
Information Ratio	0.75	-	0.54
Up Capture Ratio	99.17	-	96.23
Down Capture Ratio	92.11	-	90.07

## Portfolio Metrics

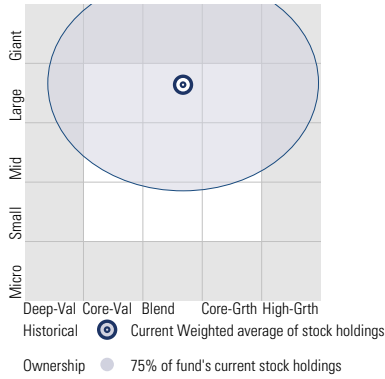
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.18	17.03	17.93
Price/Book Ratio	2.42	2.38	2.64
Avg Eff Duration	6.84	-	7.19

# Vanguard Target Retirement 2030 Fund VTHR

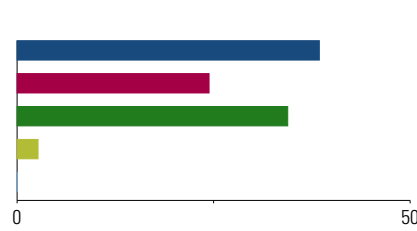
**Morningstar Category**  
Target-Date 2030

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

**Style Analysis** as of 06-30-2023  
Morningstar Style Box™

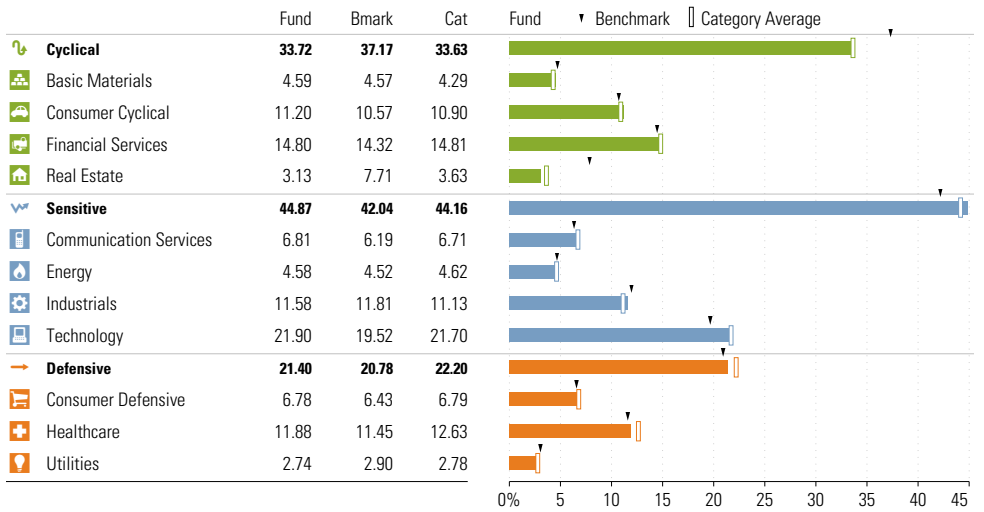


**Asset Allocation** as of 06-30-2023

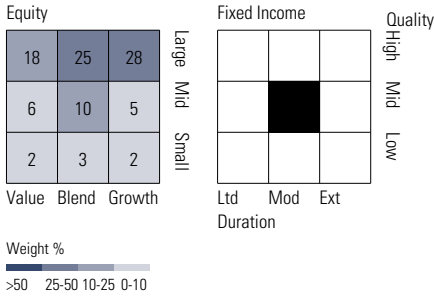


Asset Class	Net %	Cat%
US Stocks	38.45	35.05
Non-US Stocks	24.42	18.46
Bonds	34.43	33.00
Cash	2.66	1.61
Other	0.03	11.89
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	38.71	38.71	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	25.09	63.80	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	24.41	88.21	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	10.46	98.67	-	-
⊖ Mktliq 12/31/2049	-	1.34	100.01	-	-
⊕ Us Dollar	-	0.01	100.03	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2035 Fund VTTHX

**Morningstar Category**  
Target-Date 2035

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

## Portfolio Manager(s)

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

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.36 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 87.3% lower than the Target-Date 2035 category average.

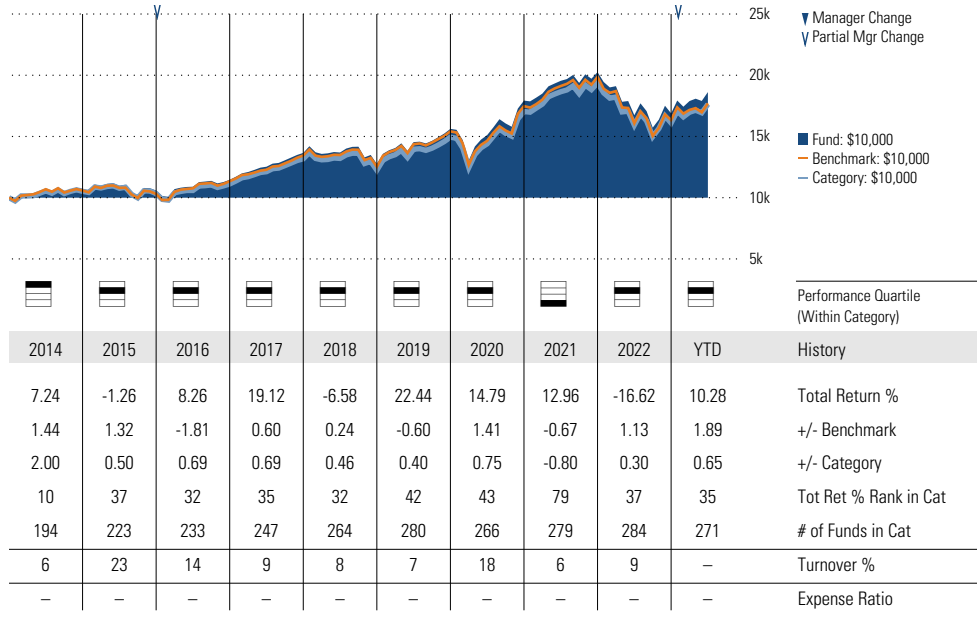
## Morningstar Investment Management LLC Analysis

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.

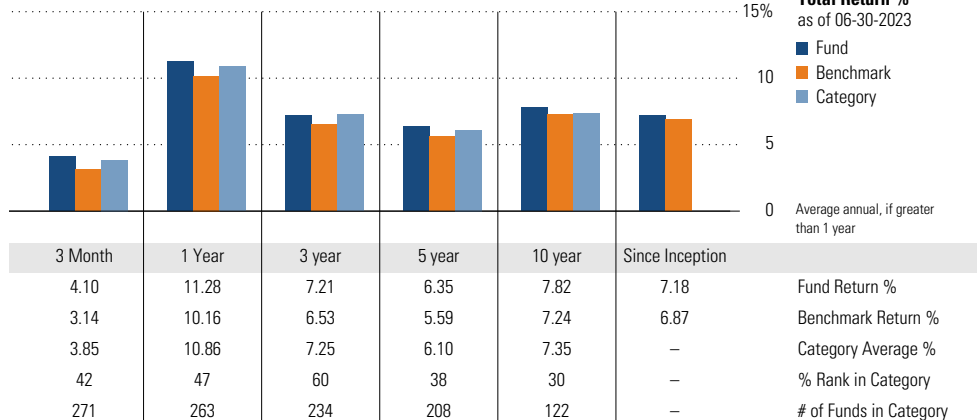
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

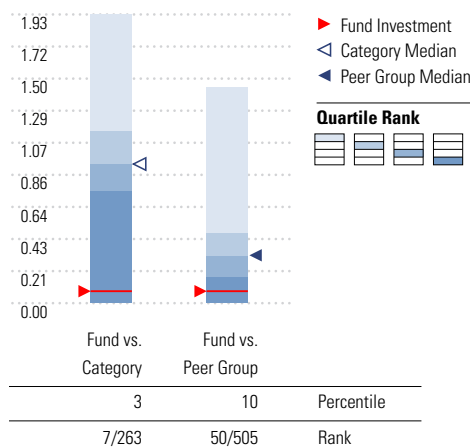
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.97	-	0.98
Beta	0.94	-	0.95
R-Squared	98.92	-	98.41
Standard Deviation	13.78	14.58	13.97
Sharpe Ratio	0.46	0.40	0.46
Tracking Error	1.68	-	2.04
Information Ratio	0.40	-	0.47
Up Capture Ratio	97.46	-	98.75
Down Capture Ratio	93.03	-	94.39

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.18	16.84	17.69
Price/Book Ratio	2.42	2.35	2.57
Avg Eff Duration	6.84	-	7.46

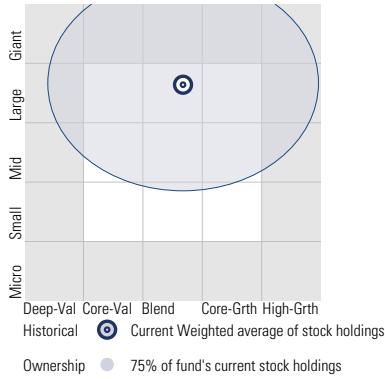
# Vanguard Target Retirement 2035 Fund VTTHX

**Morningstar Category**  
Target-Date 2035

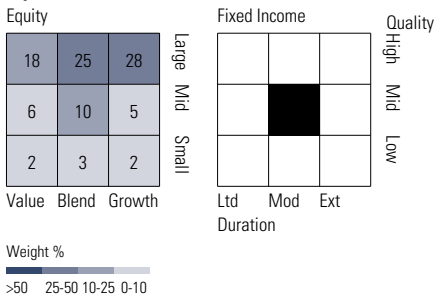
**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

## Style Analysis as of 06-30-2023

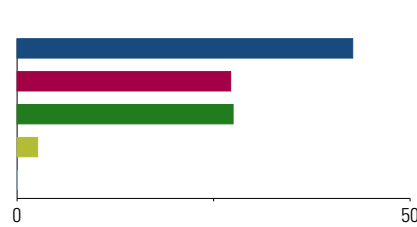
Morningstar Style Box™



## Style Breakdown

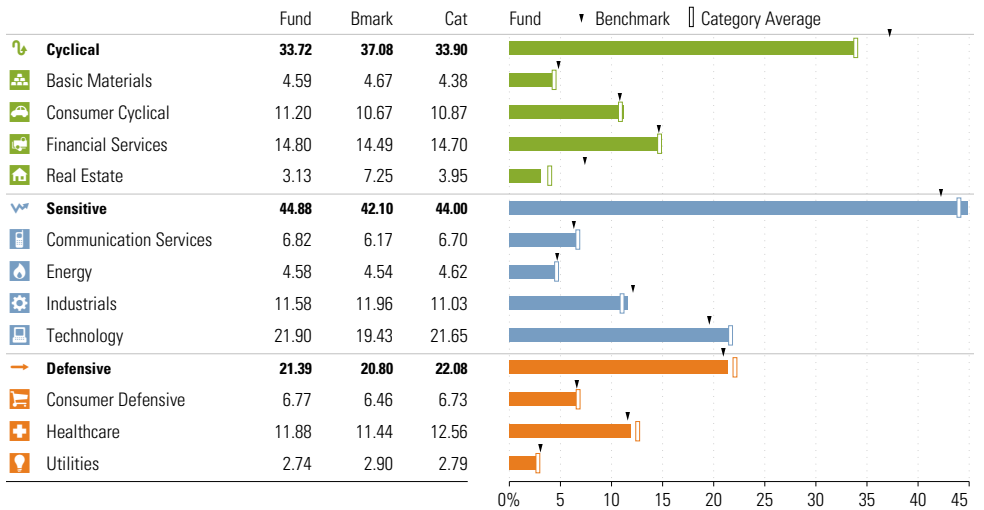


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	42.70	41.24
Non-US Stocks	27.17	22.19
Bonds	27.48	22.31
Cash	2.61	2.13
Other	0.03	12.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 6 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	42.99	42.99	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	27.91	70.90	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	19.55	90.45	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	8.28	98.73	-	-
⊖ Mktliq 12/31/2049	-	1.27	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  
Aurélien Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 87.88% lower than the Target-Date 2040 category average.

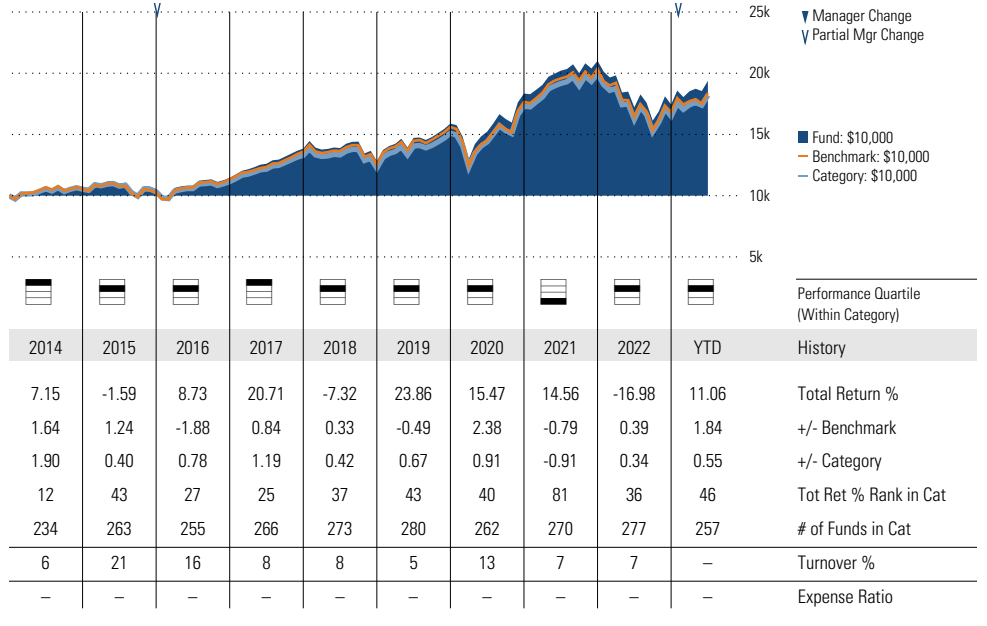
## Morningstar Investment Management LLC Analysis

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.

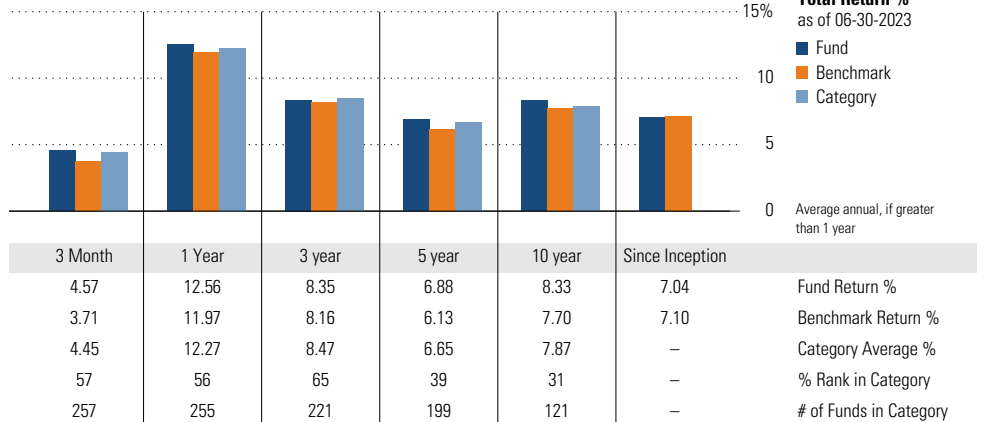
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

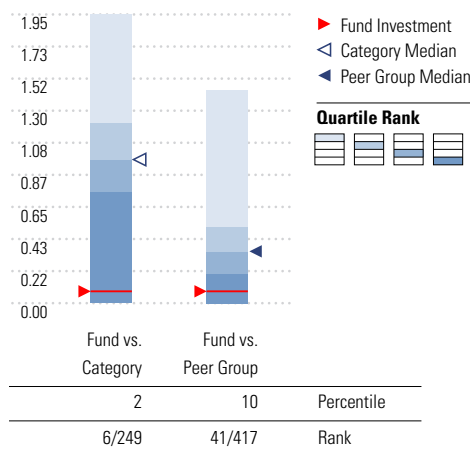
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.58	-	0.57
Beta	0.94	-	0.97
R-Squared	98.88	-	98.41
Standard Deviation	14.76	15.58	15.20
Sharpe Ratio	0.51	0.48	0.51
Tracking Error	1.80	-	2.10
Information Ratio	0.11	-	0.25
Up Capture Ratio	96.75	-	99.54
Down Capture Ratio	94.52	-	97.55

## Portfolio Metrics

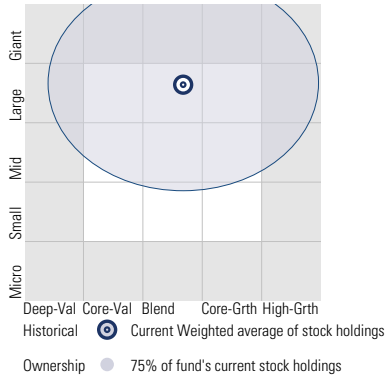
	Fund	Bmark	Cat
Price/Earnings Ratio	17.22	16.66	17.66
Price/Book Ratio	2.43	2.32	2.57
Avg Eff Duration	6.83	-	8.04

# Vanguard Target Retirement 2040 Fund VFORX

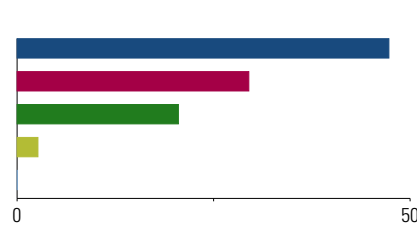
**Morningstar Category**  
Target-Date 2040

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

**Style Analysis** as of 06-30-2023  
Morningstar Style Box™

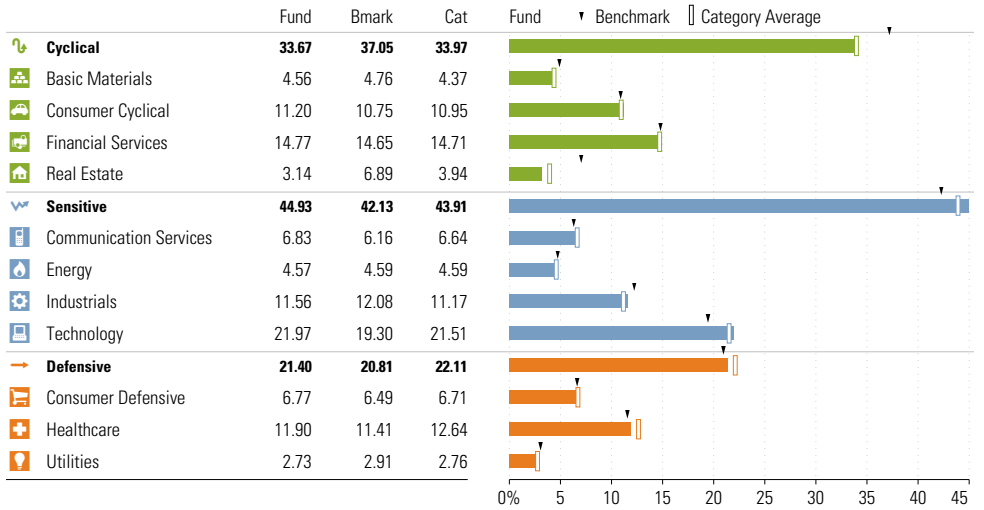


**Asset Allocation** as of 06-30-2023

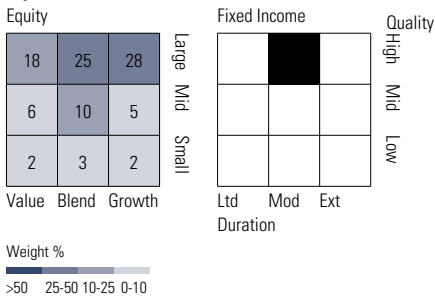


Asset Class	Net %	Cat%
US Stocks	47.30	47.61
Non-US Stocks	29.48	25.98
Bonds	20.52	13.47
Cash	2.65	1.66
Other	0.04	11.27
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	47.62	47.62	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	30.28	77.90	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	14.74	92.64	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	6.05	98.69	-	-
⊕ Mktliq 12/31/2049	-	1.31	99.99	-	-
⊖ Us Dollar	-	0.01	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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 87.69% lower than the Target-Date 2045 category average.

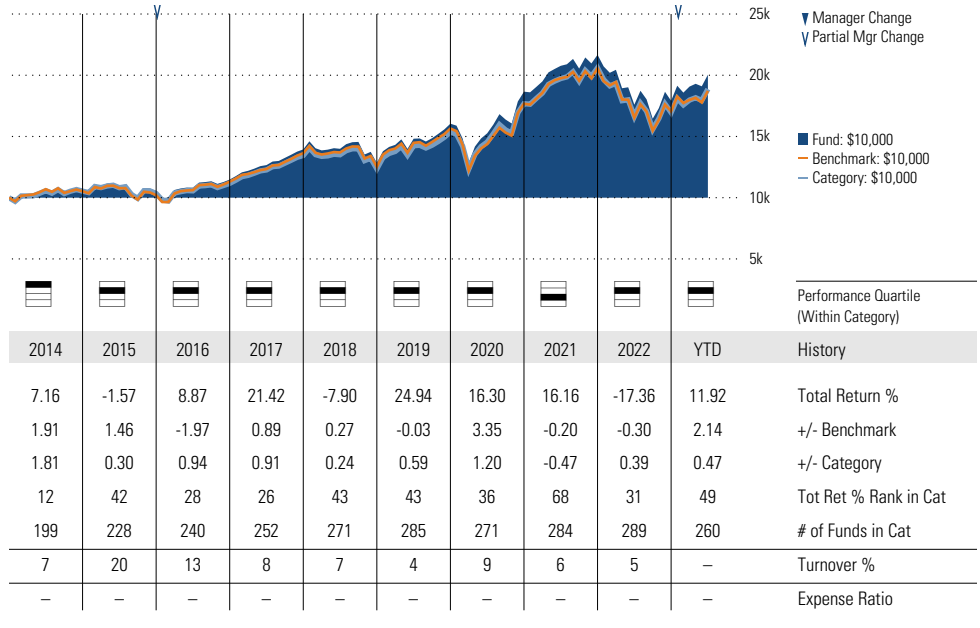
## Morningstar Investment Management LLC Analysis

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.

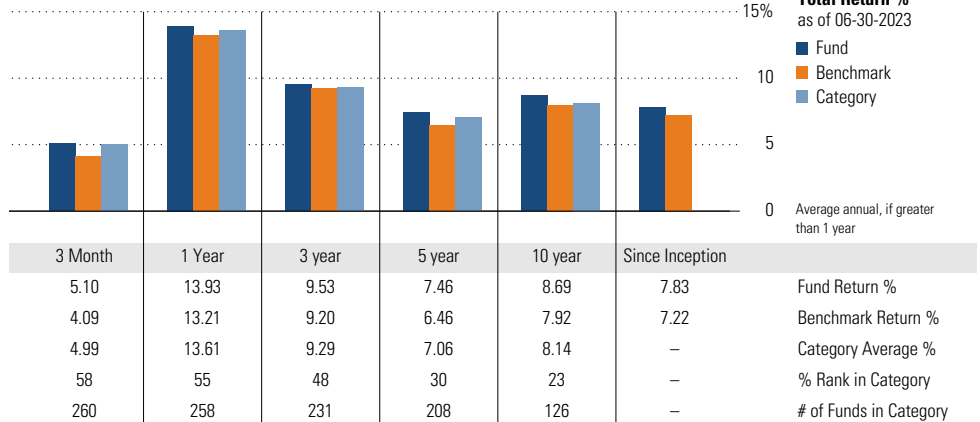
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

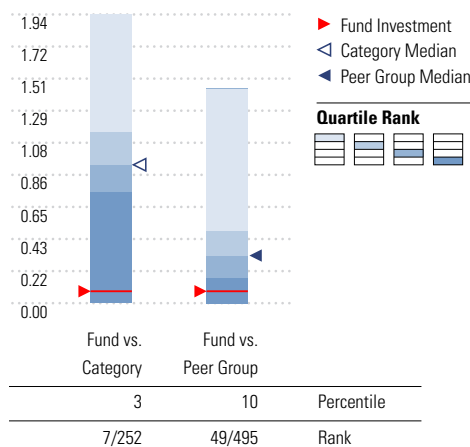
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.57	-	0.32
Beta	0.97	-	0.98
R-Squared	98.82	-	98.38
Standard Deviation	15.79	16.24	15.96
Sharpe Ratio	0.55	0.52	0.54
Tracking Error	1.80	-	2.17
Information Ratio	0.18	-	0.12
Up Capture Ratio	99.46	-	99.96
Down Capture Ratio	97.63	-	99.40

## Portfolio Metrics

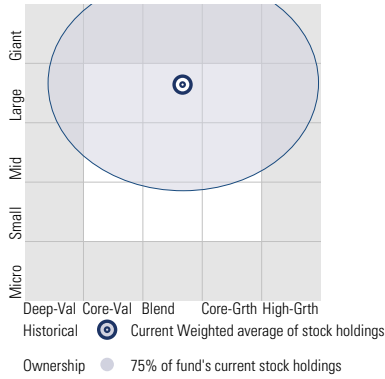
	Fund	Bmark	Cat
Price/Earnings Ratio	17.23	16.50	17.62
Price/Book Ratio	2.43	2.29	2.54
Avg Eff Duration	6.82	-	8.99

# Vanguard Target Retirement 2045 Fund VTIVX

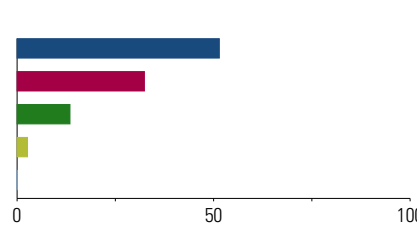
**Morningstar Category**  
Target-Date 2045

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

**Style Analysis** as of 06-30-2023  
Morningstar Style Box™

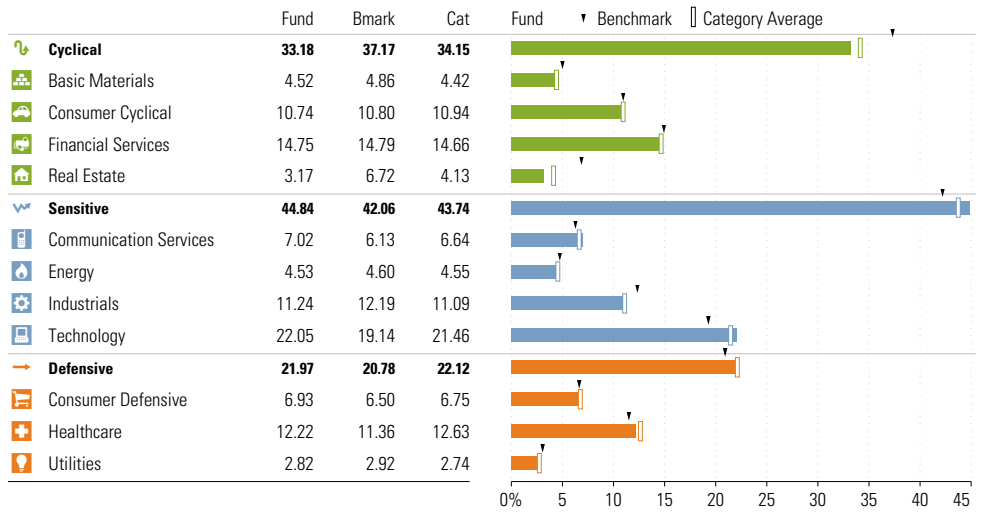


**Asset Allocation** as of 06-30-2023

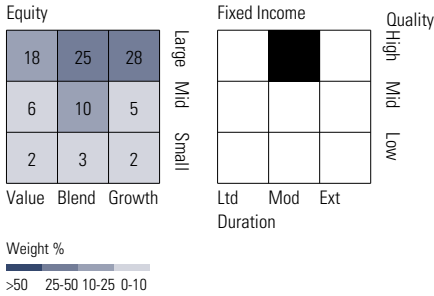


Asset Class	Net %	Cat%
US Stocks	51.45	51.33
Non-US Stocks	32.39	28.19
Bonds	13.45	7.89
Cash	2.65	1.45
Other	0.04	11.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Style Breakdown**



**Top 6 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	52.05	52.05	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	33.06	85.11	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	9.74	94.85	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	3.86	98.71	-	-
⊖ Mktliq 12/31/2049	-	1.29	100.00	-	-
⊖ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2050 Fund VFIFF

**Morningstar Category**  
Target-Date 2050

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 2050 category average.

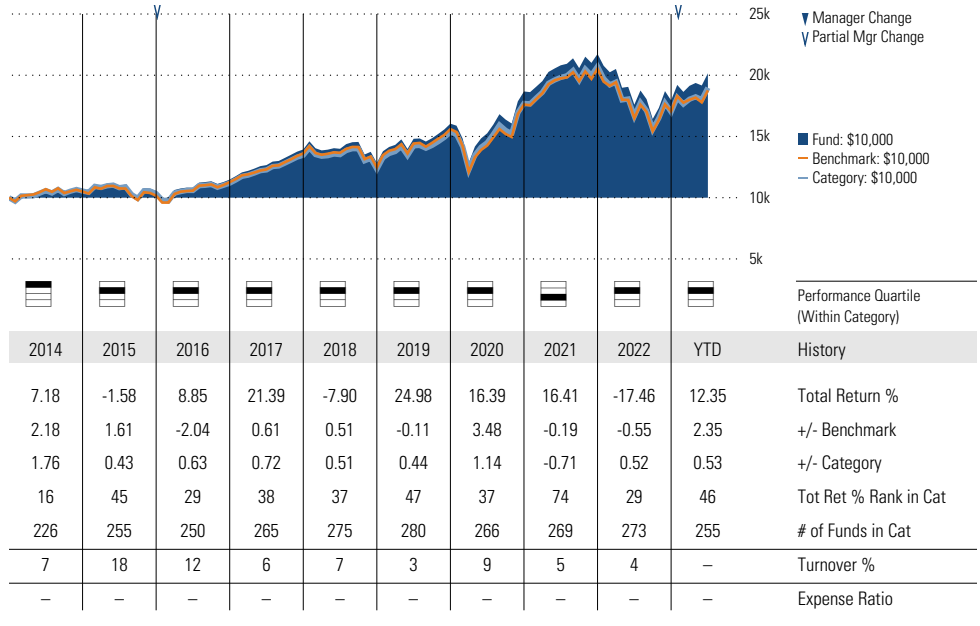
## Morningstar Investment Management LLC Analysis

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.

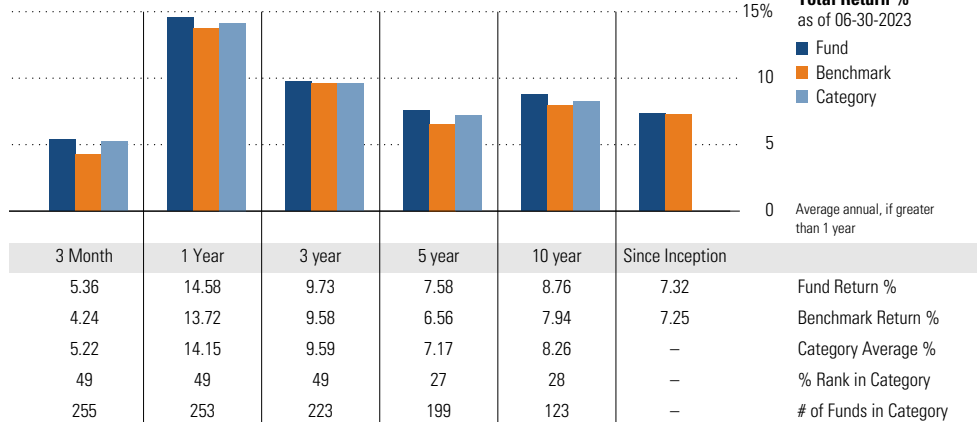
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

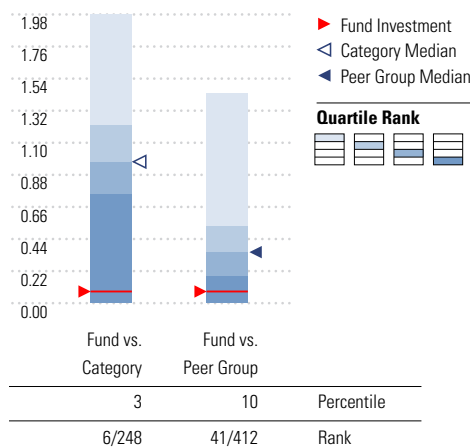
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.42	-	0.18
Beta	0.97	-	0.98
R-Squared	98.73	-	98.25
Standard Deviation	16.06	16.51	16.35
Sharpe Ratio	0.56	0.54	0.54
Tracking Error	1.89	-	2.22
Information Ratio	0.08	-	0.04
Up Capture Ratio	99.39	-	100.57
Down Capture Ratio	98.40	-	100.75

## Portfolio Metrics

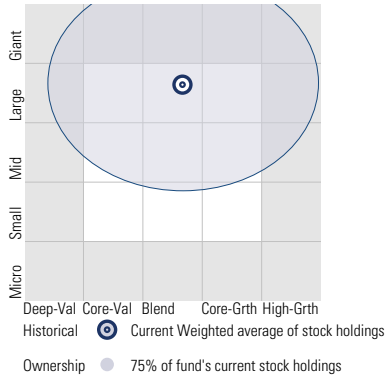
	Fund	Bmark	Cat
Price/Earnings Ratio	17.20	16.35	17.63
Price/Book Ratio	2.42	2.26	2.54
Avg Eff Duration	6.83	-	10.12

# Vanguard Target Retirement 2050 Fund VFIFX

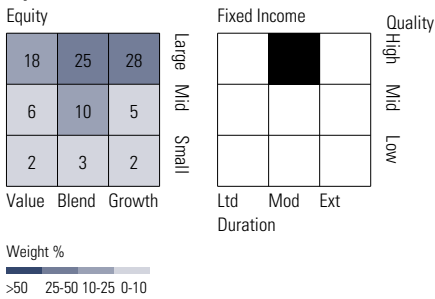
**Morningstar Category**  
Target-Date 2050

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

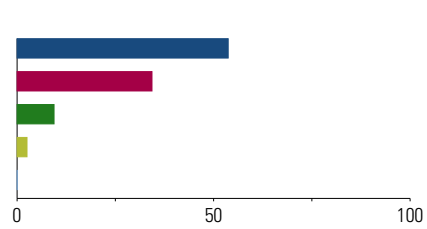
**Style Analysis** as of 06-30-2023  
Morningstar Style Box™



**Style Breakdown**

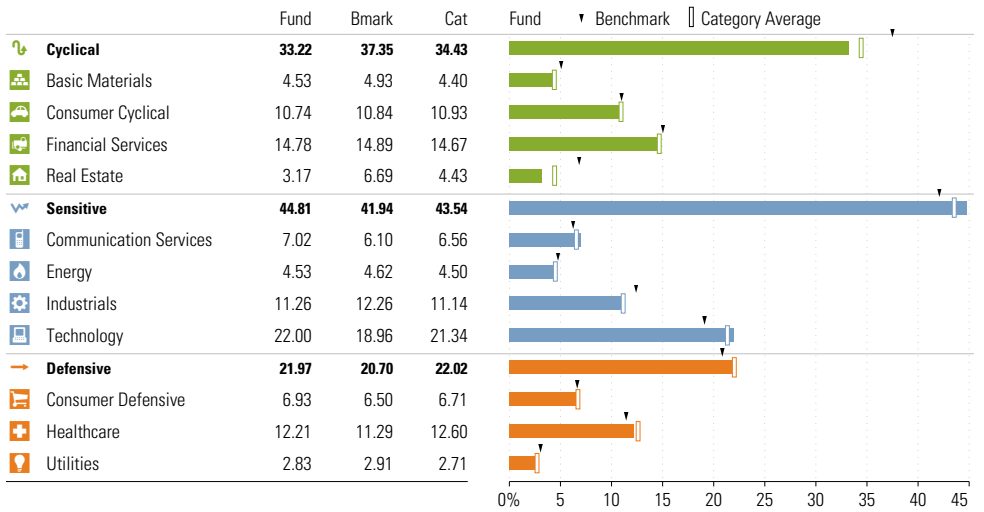


**Asset Allocation** as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	53.71	53.68
Non-US Stocks	34.32	29.22
Bonds	9.40	5.41
Cash	2.52	1.41
Other	0.04	10.27
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Top 6 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	54.33	54.33	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.04	89.37	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.76	96.13	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.74	98.87	-	-
⊖ Mktliq 12/31/2049	-	1.12	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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.36 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 87.69% lower than the Target-Date 2055 category average.

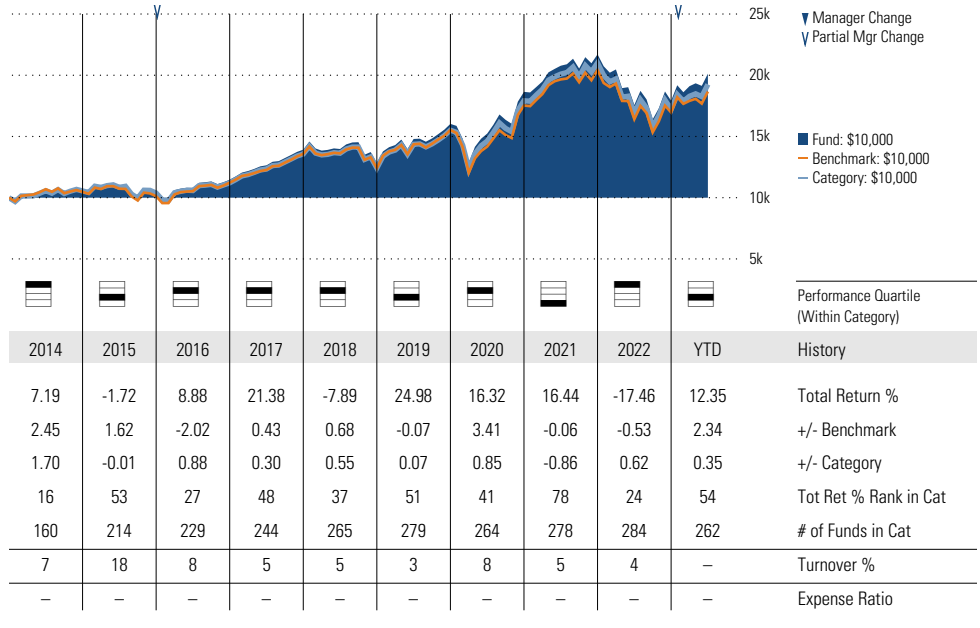
## Morningstar Investment Management LLC Analysis

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.

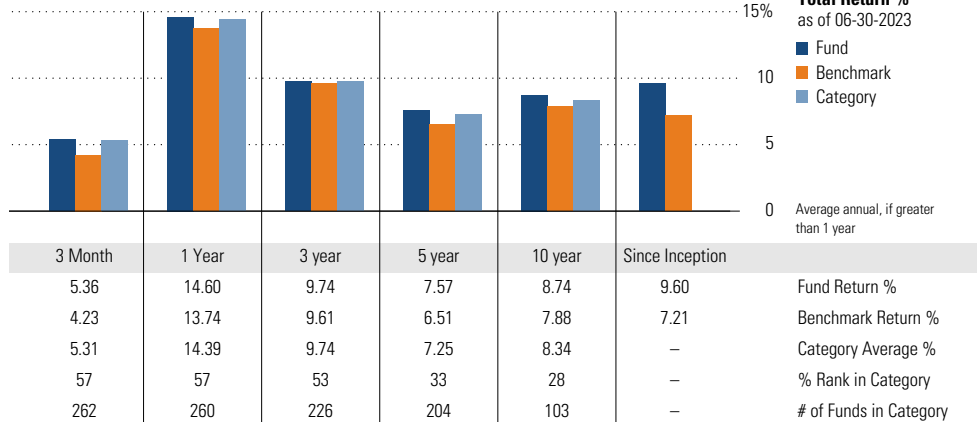
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

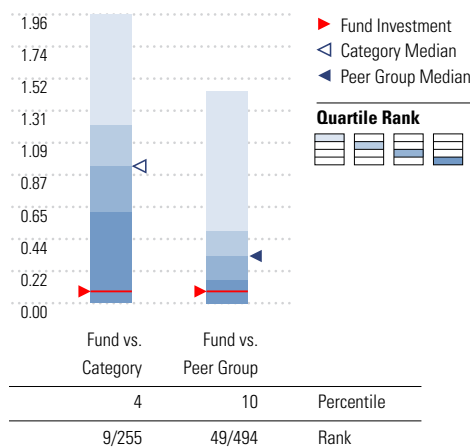
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.43	-	0.25
Beta	0.96	-	0.99
R-Squared	98.68	-	98.16
Standard Deviation	16.07	16.58	16.50
Sharpe Ratio	0.56	0.54	0.55
Tracking Error	1.95	-	2.25
Information Ratio	0.07	-	0.08
Up Capture Ratio	99.17	-	101.37
Down Capture Ratio	98.20	-	101.40

## Portfolio Metrics

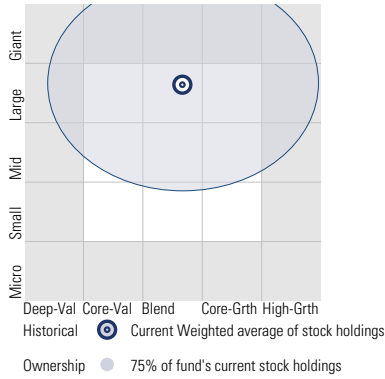
	Fund	Bmark	Cat
Price/Earnings Ratio	17.17	16.22	17.33
Price/Book Ratio	2.41	2.23	2.50
Avg Eff Duration	6.83	-	10.83

# Vanguard Target Retirement 2055 Fund VFFVX

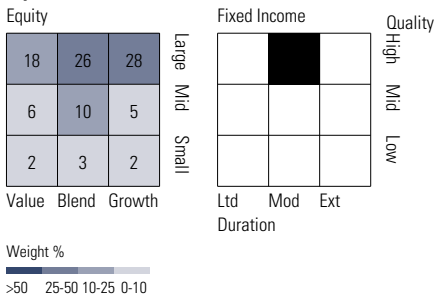
**Morningstar Category**  
Target-Date 2055

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

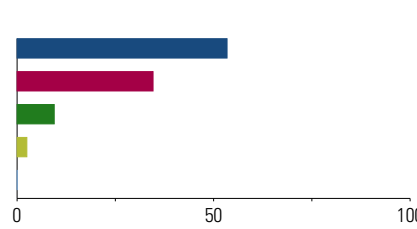
**Style Analysis** as of 06-30-2023  
Morningstar Style Box™



**Style Breakdown**

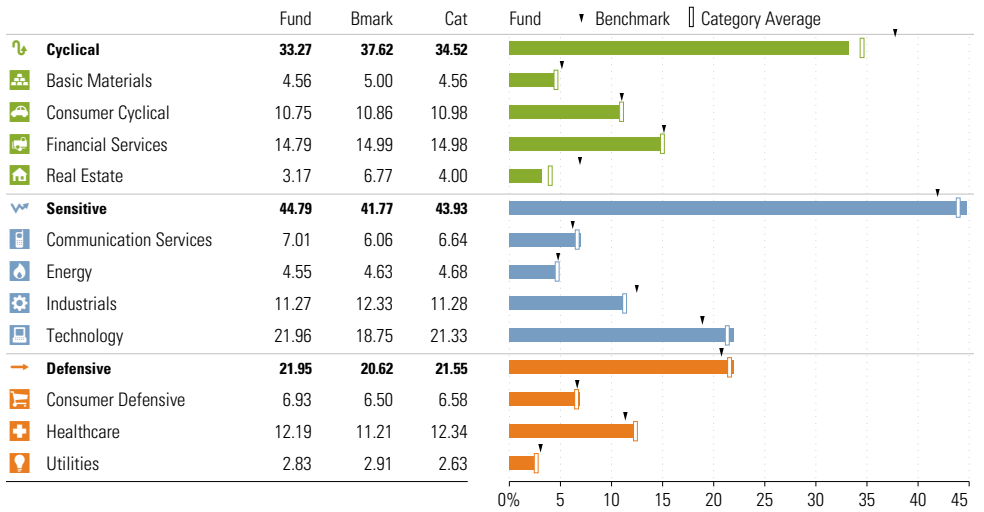


**Asset Allocation** as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	53.42	51.72
Non-US Stocks	34.59	30.27
Bonds	9.44	6.26
Cash	2.48	1.25
Other	0.04	10.51
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Top 6 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	54.03	54.03	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.32	89.36	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.79	96.15	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.76	98.91	-	-
⊖ Mktliq 12/31/2049	-	1.08	99.99	-	-
⊖ Us Dollar	-	0.01	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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.36 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 2060 category average.

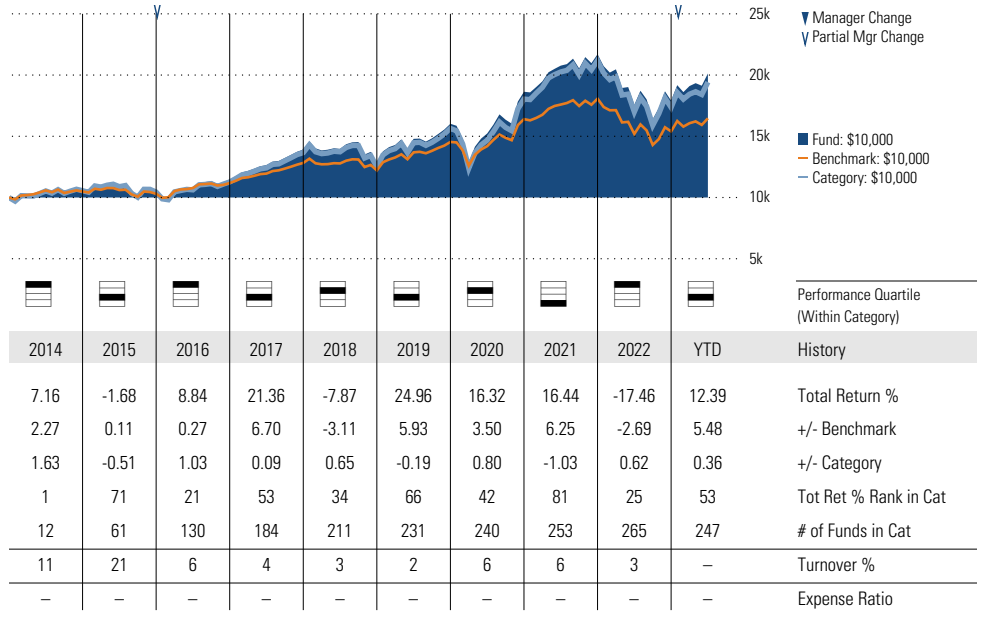
## Morningstar Investment Management LLC Analysis

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.

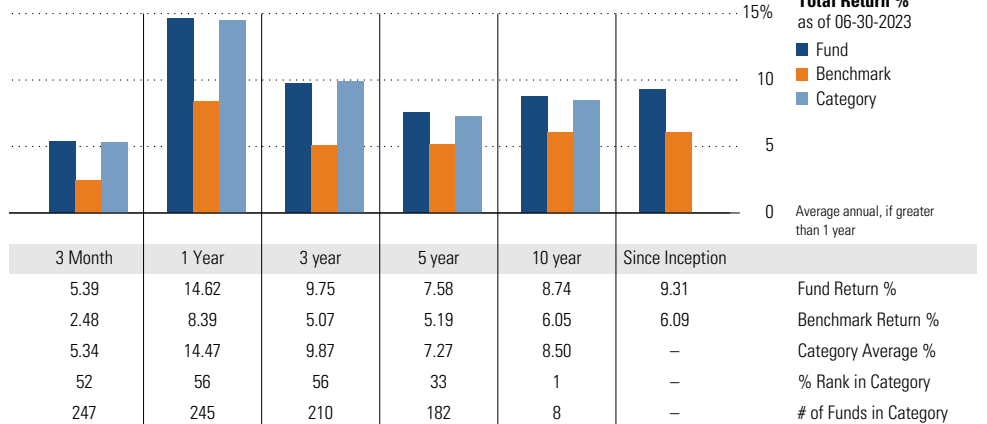
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

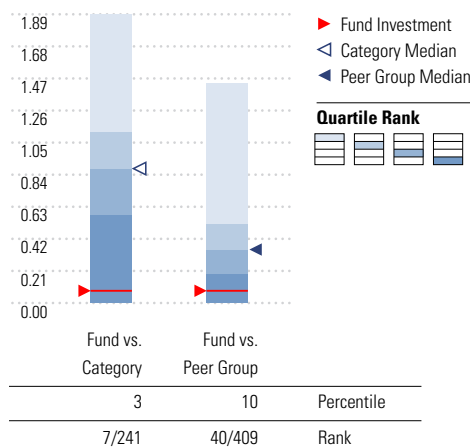
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	3.20	-	3.15
Beta	1.30	-	1.33
R-Squared	98.27	-	97.19
Standard Deviation	16.05	12.25	16.54
Sharpe Ratio	0.56	0.33	0.55
Tracking Error	4.23	-	4.93
Information Ratio	1.11	-	0.96
Up Capture Ratio	142.76	-	146.36
Down Capture Ratio	125.83	-	130.07

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.13	16.12	17.31
Price/Book Ratio	2.40	2.19	2.46
Avg Eff Duration	6.83	-	10.07

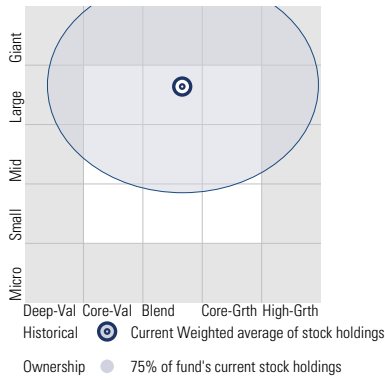
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

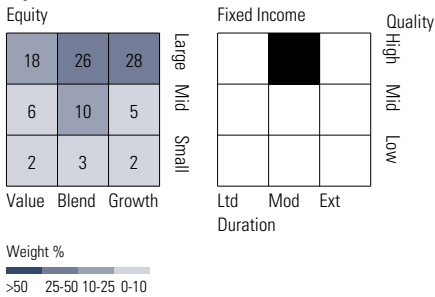
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2023

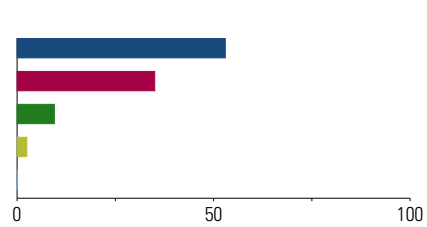
Morningstar Style Box™



## Style Breakdown

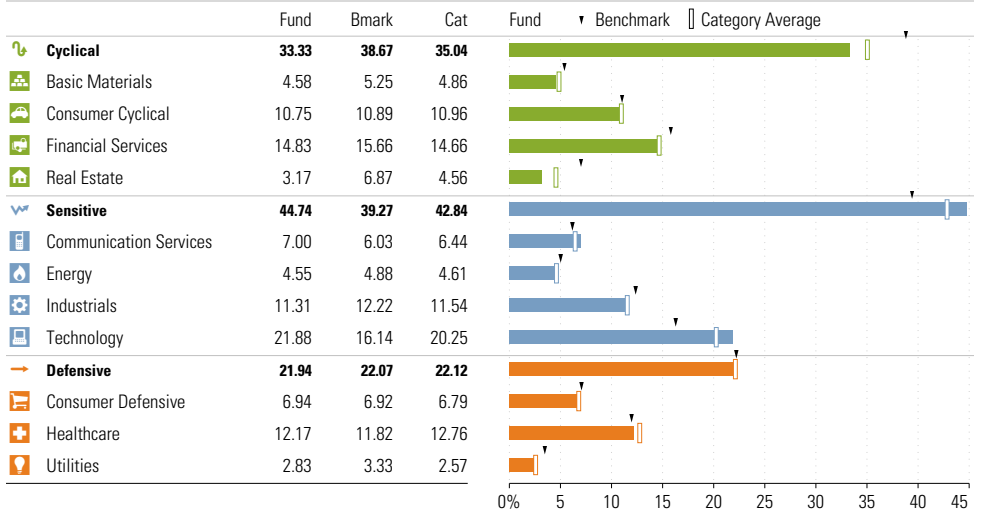


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	52.97	46.07
Non-US Stocks	35.02	31.88
Bonds	9.48	5.06
Cash	2.47	1.50
Other	0.04	15.50
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 6 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.57	53.57	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.77	89.35	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.81	96.16	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.77	98.93	-	-
⊖ Mktliq 12/31/2049	-	1.06	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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 5.97 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 86.89% lower than the Target-Date 2065+ category average.

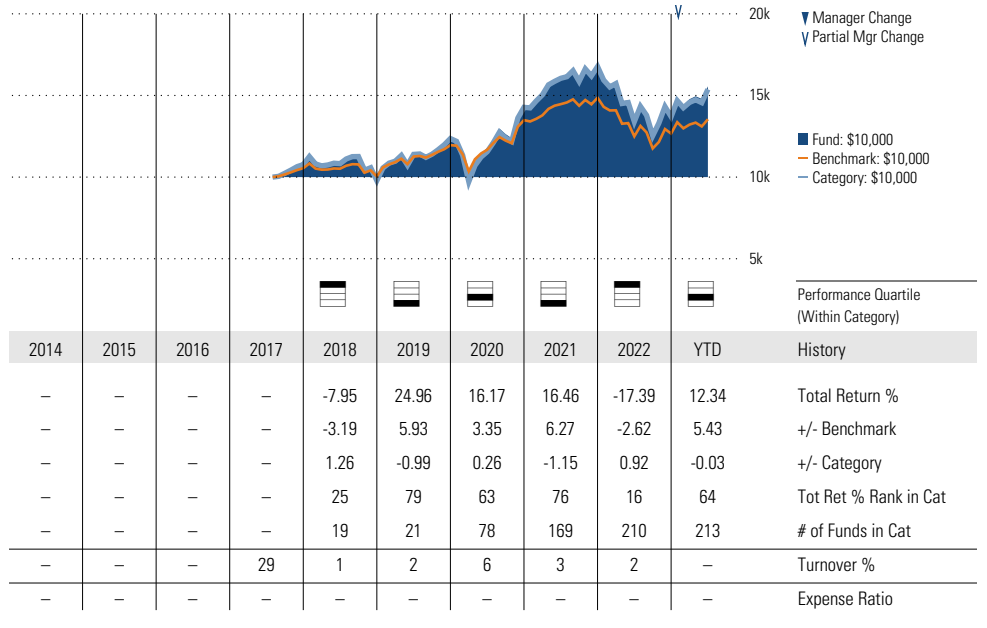
## Morningstar Investment Management LLC Analysis

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.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

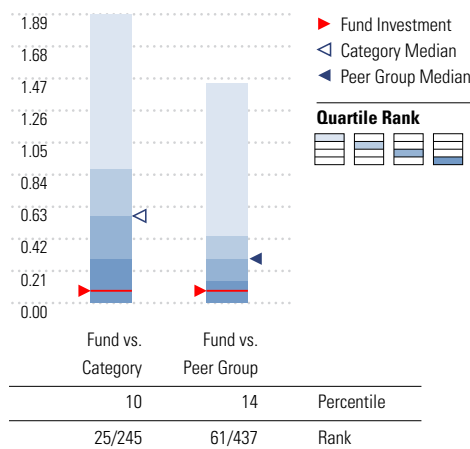
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	3.21	-	3.21
Beta	1.30	-	1.36
R-Squared	98.26	-	97.52
Standard Deviation	16.05	12.25	16.87
Sharpe Ratio	0.56	0.33	0.55
Tracking Error	4.23	-	5.15
Information Ratio	1.11	-	0.95
Up Capture Ratio	142.77	-	149.16
Down Capture Ratio	125.82	-	132.53

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.12	16.12	17.16
Price/Book Ratio	2.40	2.19	2.42
Avg Eff Duration	6.84	-	10.51

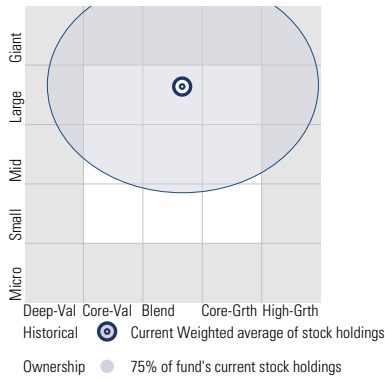
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

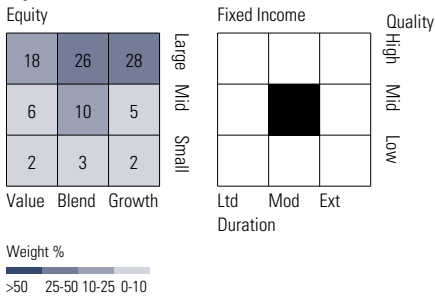
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2023

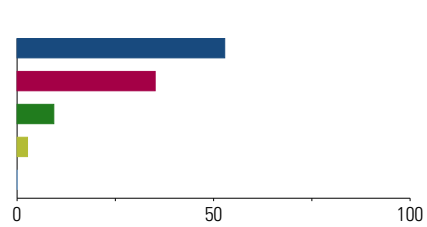
Morningstar Style Box™



## Style Breakdown

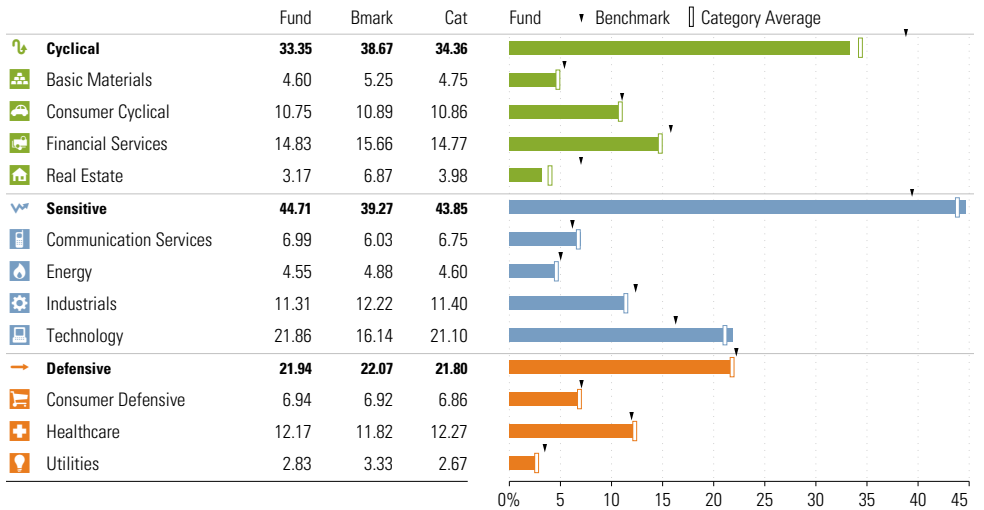


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	52.83	47.54
Non-US Stocks	35.13	32.32
Bonds	9.34	6.74
Cash	2.65	1.97
Other	0.04	11.44
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 6 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.43	53.43	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.89	89.32	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.64	95.95	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.81	98.76	-	-
⊖ Mktliq 12/31/2049	-	1.22	99.98	-	-
⊕ Us Dollar	-	0.02	100.00	-	-

## Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2070 Fund VSVNX

**Morningstar Category**  
Target-Date 2065+

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

## Portfolio Manager(s)

Walter Nejman since 06-2022  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Díaz since 02-2023

## Quantitative Screens

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

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

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

✔ **Net Expense:** The fund's expense ratio of 0.08 is 86.89% lower than the Target-Date 2065+ category average.

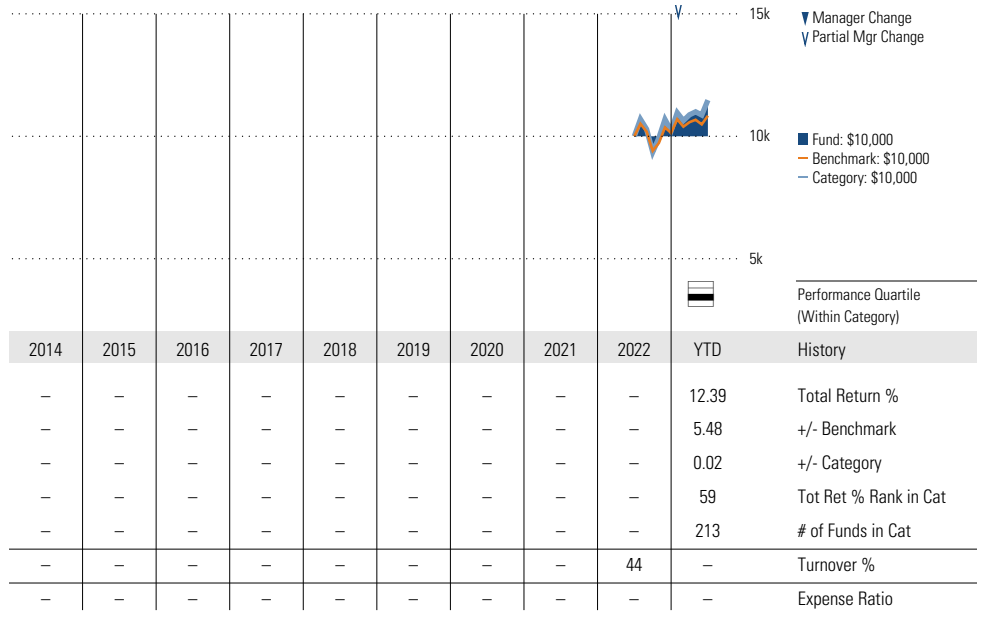
## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
Carbon Risk Score	Low Risk	12-31-2022

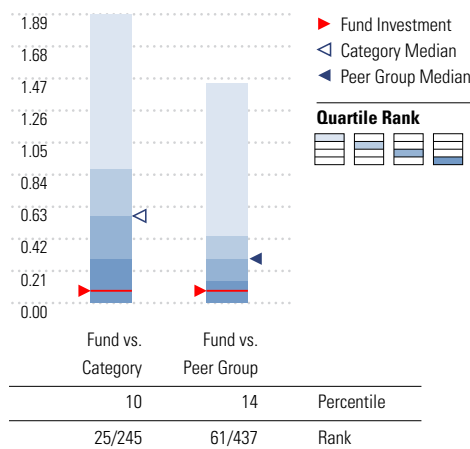
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-	-	3.21
Beta	-	-	1.36
R-Squared	-	-	97.52
Standard Deviation	-	12.25	16.87
Sharpe Ratio	-	0.33	0.55
Tracking Error	-	-	5.15
Information Ratio	-	-	0.95
Up Capture Ratio	-	-	149.16
Down Capture Ratio	-	-	132.53

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.14	16.12	17.16
Price/Book Ratio	2.40	2.19	2.42
Avg Eff Duration	6.84	-	10.51

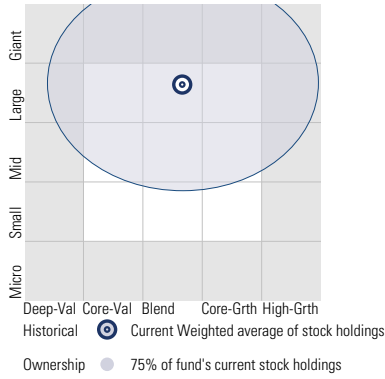
# Vanguard Target Retirement 2070 Fund VSVNX

**Morningstar Category**  
Target-Date 2065+

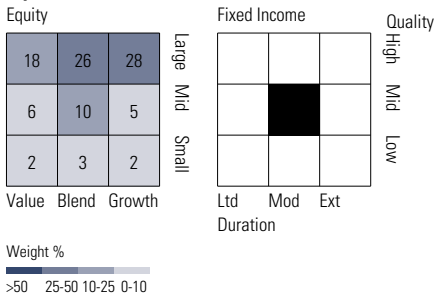
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 06-30-2023

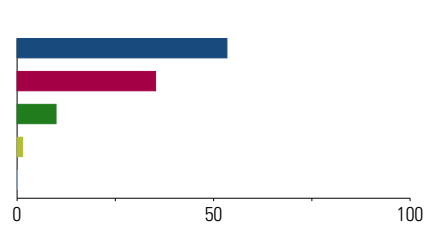
Morningstar Style Box™



## Style Breakdown

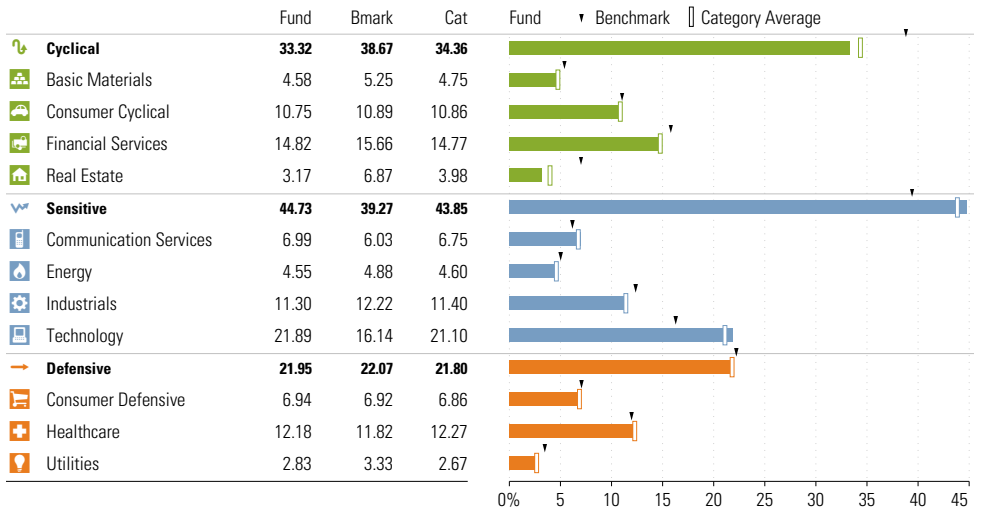


## Asset Allocation as of 06-30-2023



Asset Class	Net %	Cat%
US Stocks	53.39	47.54
Non-US Stocks	35.24	32.32
Bonds	9.91	6.74
Cash	1.41	1.97
Other	0.04	11.44
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 06-30-2023



## Top 6 Holdings as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	54.00	54.00	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.99	89.99	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.02	97.01	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	3.00	100.01	-	-
⊕ Us Dollar	-	0.09	100.10	-	-
⊕ Mktliq 12/31/2049	-	0.09	100.19	-	-

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.36 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 86.67% lower than the Target-Date Retirement category average.

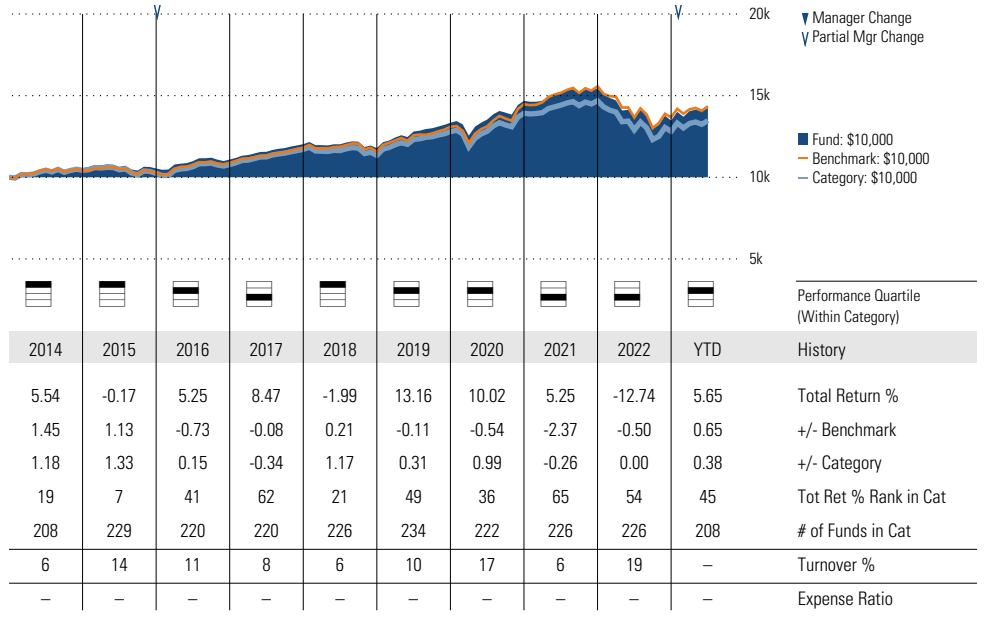
## Morningstar Investment Management LLC Analysis

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.

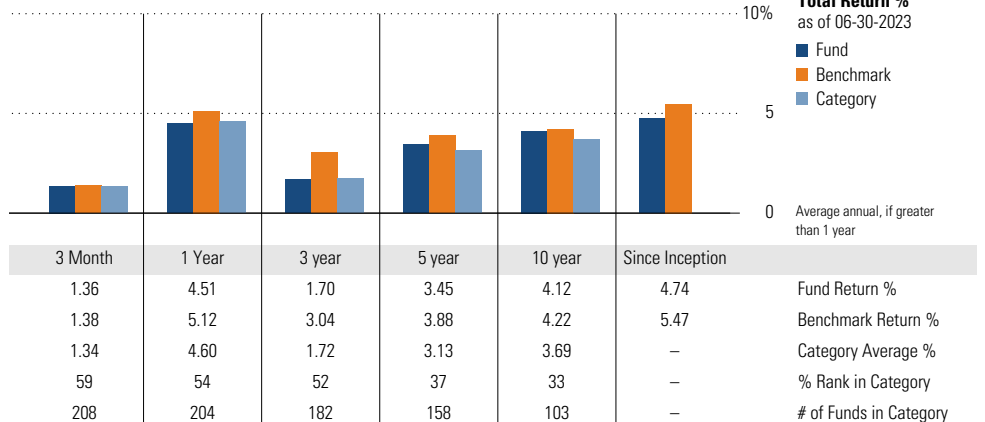
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	05-31-2023
ESG Commitment	1-Low	02-15-2022

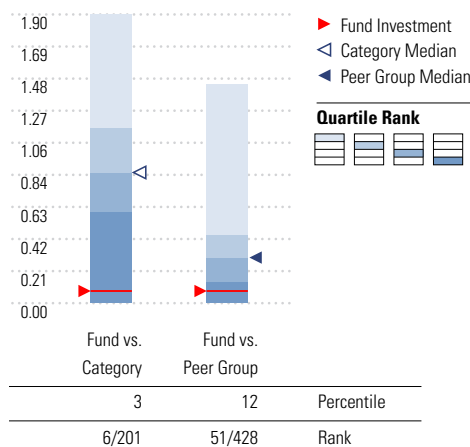
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-1.02	-	-0.99
Beta	0.89	-	0.94
R-Squared	97.28	-	96.06
Standard Deviation	8.05	8.87	8.52
Sharpe Ratio	0.05	0.20	0.06
Tracking Error	1.62	-	2.00
Information Ratio	-0.82	-	-0.58
Up Capture Ratio	85.92	-	90.05
Down Capture Ratio	94.29	-	98.19

## Portfolio Metrics

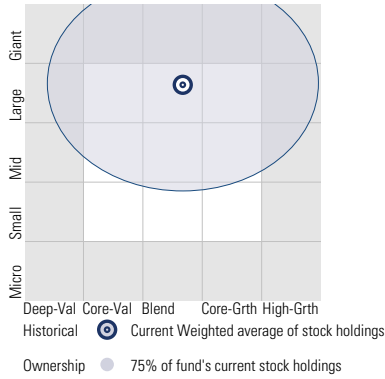
	Fund	Bmark	Cat
Price/Earnings Ratio	17.11	17.86	17.49
Price/Book Ratio	2.41	2.53	2.40
Avg Eff Duration	5.84	-	6.52

# Vanguard Target Retirement Income Fund VTINX

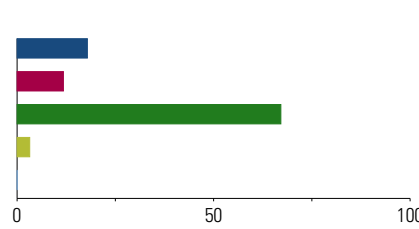
**Morningstar Category**  
Target-Date Retirement

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

**Style Analysis** as of 06-30-2023  
Morningstar Style Box™

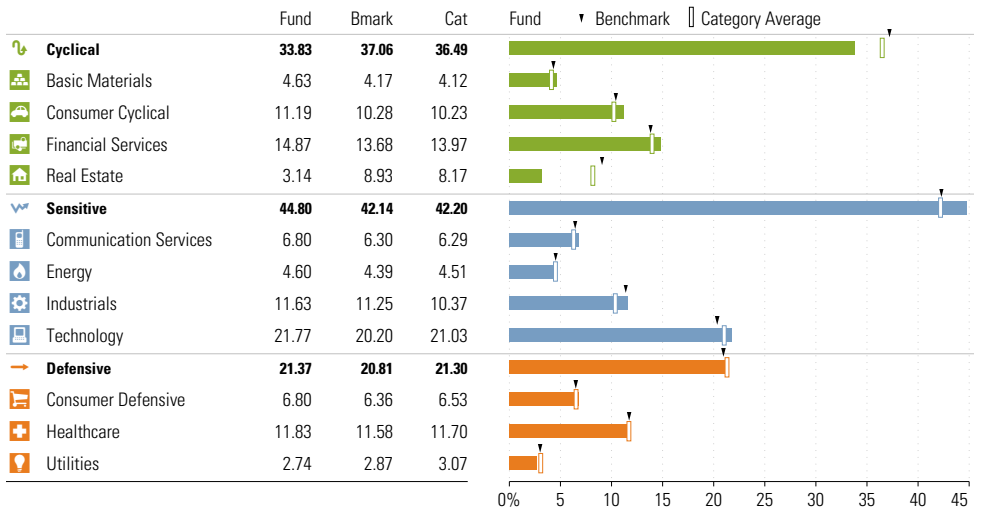


**Asset Allocation** as of 06-30-2023

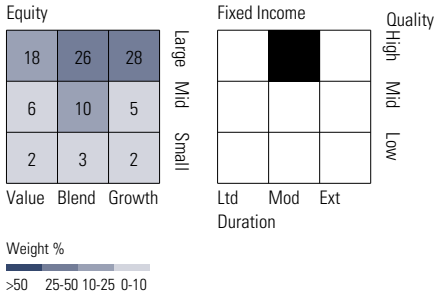


Asset Class	Net %	Cat%
US Stocks	17.88	19.02
Non-US Stocks	11.78	9.86
Bonds	67.11	53.57
Cash	3.21	4.17
Other	0.02	13.39
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 06-30-2023



**Style Breakdown**



**Top 7 Holdings** as of 06-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Bond Market II Idx Inv	-	36.32	36.32	-	-
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	18.00	54.32	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	16.60	70.92	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	16.09	87.01	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	12.11	99.11	-	-
⊖ Mktliq 12/31/2049	-	0.91	100.02	-	-
⊕ Us Dollar	-	0.02	100.05	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio