

# 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
- Paul Benjamin since 07-2014
- 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
- Mathews Cherian since 05-2021
- Jin Lee since 03-2023
- Chit Purani since 03-2023
- Irfan Furniturewala since 05-2023

## 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 25.76 years.

**Style:** The fund has landed in its primary style box — Large Blend — 90 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.25 is 75.73% lower than the Moderate Allocation category average.

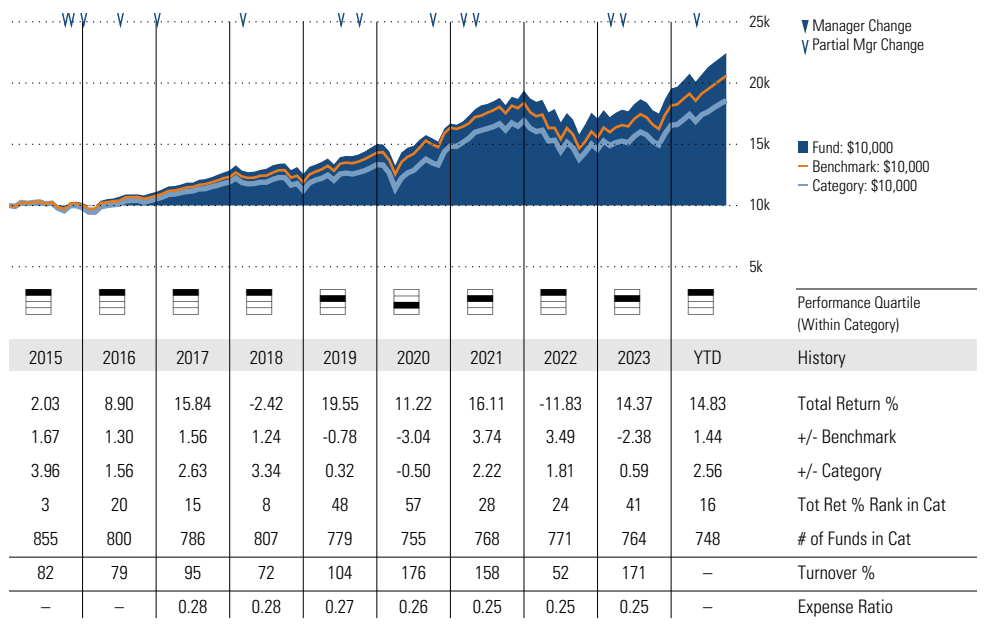
## Morningstar Investment Management LLC Analysis

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.

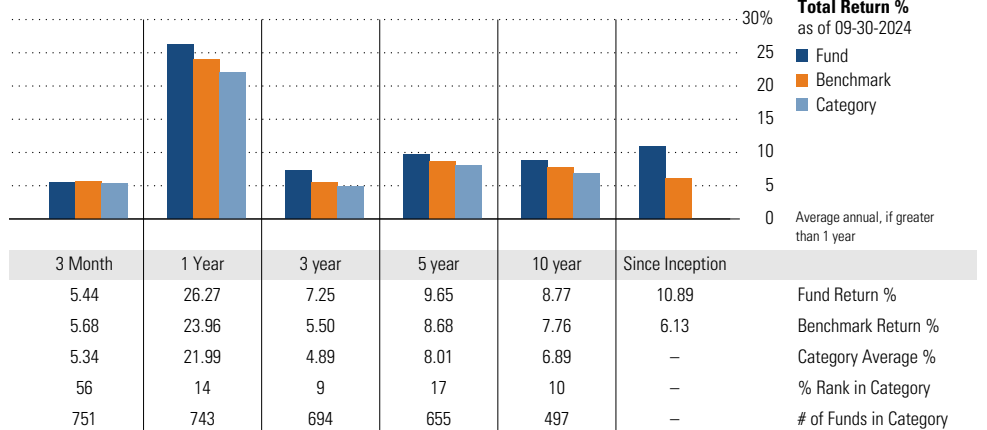
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

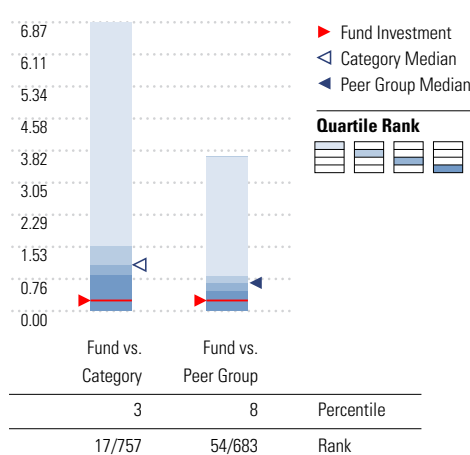
## Growth of \$10,000



## 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	1.80	-	-0.52
Beta	0.97	-	0.98
R-Squared	96.82	-	94.15
Standard Deviation	12.13	12.26	12.36
Sharpe Ratio	0.33	0.19	0.13
Tracking Error	2.19	-	2.79
Information Ratio	0.80	-	-0.37
Up Capture Ratio	105.70	-	97.43
Down Capture Ratio	96.92	-	100.97

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	25.22	23.30	23.35
Price/Book Ratio	4.37	3.40	3.53
Avg Eff Duration	5.98	5.94	5.14

# American Funds American Balanced R6 RLBGX

**Morningstar Category**  
Moderate Allocation

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

## Style Analysis as of 09-30-2024

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2024



## Sector Weighting as of 09-30-2024



## Top 10 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	-	6.14	6.14	-	-
Broadcom Inc	-	4.68	10.82	55.95	Technology
Microsoft Corp	-	3.45	14.27	15.03	Technology
Cap Grp Cent Fd Ser Ii	-	2.92	17.19	-	-
UnitedHealth Group Inc	-	2.10	19.29	12.21	Healthcare
Meta Platforms Inc Class A	-	2.08	21.37	62.15	Communication Svc
Philip Morris International Inc	-	1.88	23.26	33.24	Consumer Defensive
Cash And Other Assets Less Liabilities	-	1.85	25.11	-	-
Taiwan Semiconductor Manufacturing Co Ltd ADR	-	1.81	26.92	68.64	Technology
Alphabet Inc Class C	-	1.68	28.60	18.92	Communication Svc

## Total Holdings 3159

⊕ 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  
 Michael Cohen since 07-2018  
 Lisa Thompson since 09-2018  
 Barbara Burtin since 09-2024  
 Bobby Chada since 09-2024

## Quantitative Screens

✔ **Performance:** The fund has finished in the Foreign Large Blend 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 16.01 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 34.94% lower than the Foreign Large Blend category average.

## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.24	-	-0.05
Beta	0.99	-	1.02
R-Squared	94.18	-	92.90
Standard Deviation	16.70	16.34	17.33
Sharpe Ratio	0.11	0.10	0.10
Tracking Error	4.03	-	4.62
Information Ratio	0.04	-	0.00
Up Capture Ratio	102.01	-	105.97
Down Capture Ratio	101.60	-	107.27

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.71	15.78	15.57
Price/Book Ratio	1.84	1.85	1.89
Geom Avg Mkt Cap \$B	57.70	52.84	63.57
ROE	18.74	16.65	18.70

# 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 09-30-2024

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	4.96	3.83
Non-US Stocks	90.18	93.48
Bonds	0.12	0.55
Cash	4.53	0.63
Other	0.21	1.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## World Regions % Equity 09-30-2024



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	29.98	34.59	Americas	12.63	8.81	Greater Europe	57.38	56.59	Developed Markets	86.75
Japan	6.83	18.85	North America	9.78	7.75	United Kingdom	14.16	13.90	Emerging Markets	13.25
Australasia	0.44	4.68	Central/Latin	2.85	1.06	W euro-ex UK	42.35	41.71	Not Available	0.00
Asia-4 Tigers	12.74	6.46				Emrgng Europe	0.00	0.12		
Asia-ex 4 Tigers	9.97	4.60				Africa	0.87	0.86		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash M	4.75	4.75	-	-
Taiwan Semiconductor Manufacturing Co Ltd	4.07	8.82	-	Technology
Novo Nordisk AS Class B	2.50	11.31	-	Healthcare
AstraZeneca PLC	2.10	13.41	11.52	Healthcare
ASML Holding NV	1.98	15.40	10.07	Technology
TotalEnergies SE	1.93	17.33	-0.06	Energy
MediaTek Inc	1.67	18.99	-	Technology
BAE Systems PLC	1.61	20.60	13.10	Industrials
British American Tobacco PLC	1.39	21.99	26.36	Consumer Defensive
Tencent Holdings Ltd	1.39	23.38	-	Communication Svc

**Total Holdings 251**

⊕ 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
- 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
- Matt Hochstetler since 01-2024

## 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 25.31 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 49.11% lower than the Diversified Emerging Mkts 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.

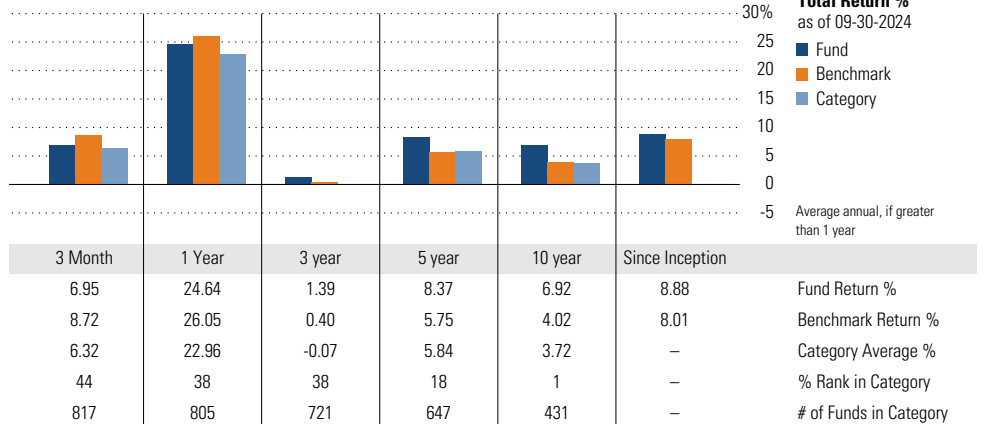
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

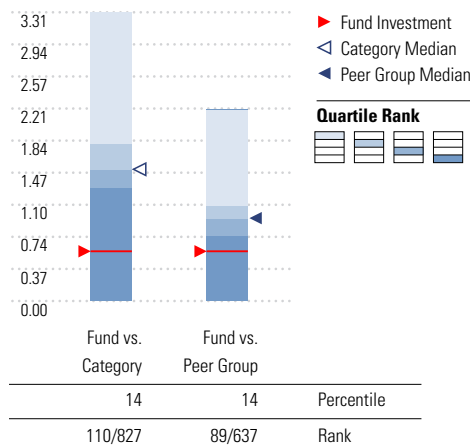
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.10	-	-1.37
Beta	0.80	-	0.94
R-Squared	77.98	-	87.29
Standard Deviation	15.99	17.63	17.82
Sharpe Ratio	-0.08	-0.11	-0.18
Tracking Error	8.28	-	6.24
Information Ratio	0.12	-	-0.24
Up Capture Ratio	82.96	-	92.28
Down Capture Ratio	79.00	-	98.92

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	21.84	15.18	14.86
Price/Book Ratio	3.32	1.81	1.95
Geom Avg Mkt Cap \$B	80.24	47.82	57.84
ROE	23.85	16.40	18.79

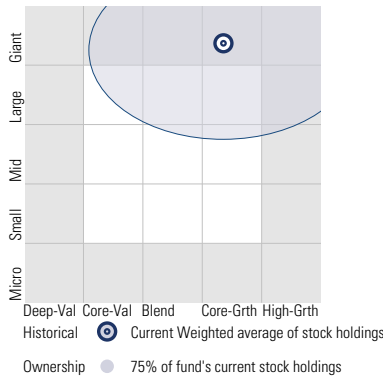
# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

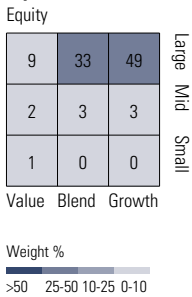
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 09-30-2024

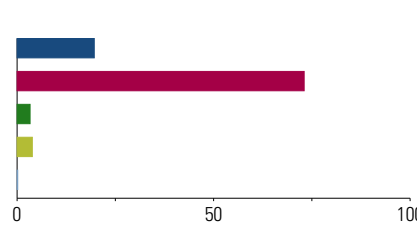
Morningstar Style Box™



## Style Breakdown

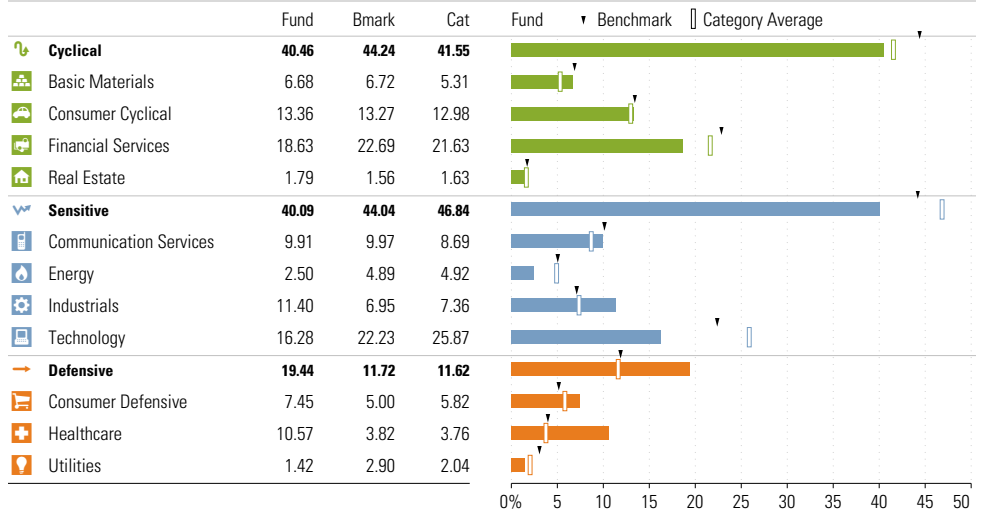


## Asset Allocation as of 09-30-2024

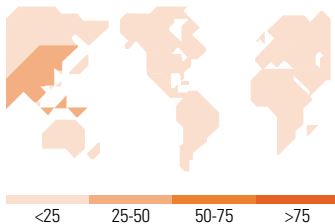


Asset Class	Net %	Cat%
US Stocks	19.63	2.42
Non-US Stocks	73.04	95.36
Bonds	3.30	-0.02
Cash	3.87	2.19
Other	0.16	0.06
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## World Regions % Equity 09-30-2024



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	45.97	76.27	Americas	31.83	12.96	Greater Europe	22.21	10.77	Developed Markets	54.30
Japan	2.63	0.08	North America	22.67	2.04	United Kingdom	2.91	0.54	Emerging Markets	45.70
Australasia	0.00	0.04	Central/Latin	9.16	10.92	W euro-ex UK	16.36	1.72	Not Available	0.00
Asia-4 Tigers	9.50	30.03				Emrgng Europe	0.44	2.13		
Asia-ex 4 Tigers	33.84	46.12				Africa	2.50	6.38		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	4.12	4.12	-	-
Taiwan Semiconductor Manufacturing Co Ltd	3.56	7.68	-	Technology
Tencent Holdings Ltd	2.47	10.15	-	Communication Svc
Microsoft Corp	2.34	12.49	15.03	Technology
MercadoLibre Inc	1.91	14.41	30.57	Consumer Cyclical
Novo Nordisk AS Class B	1.79	16.20	-	Healthcare
Meta Platforms Inc Class A	1.48	17.67	62.15	Communication Svc
Kweichow Moutai Co Ltd Class A	1.32	19.00	3.06	Consumer Defensive
Broadcom Inc	1.29	20.28	55.95	Technology
NVIDIA Corp	1.27	21.56	145.27	Technology

**Total Holdings 579**

⊕ 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 24.02 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 40% lower than the Intermediate Core Bond category average.

## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2024
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	0.32	-	-0.09
Beta	1.01	-	0.98
R-Squared	99.65	-	98.10
Standard Deviation	7.74	7.63	7.55
Sharpe Ratio	-0.61	-0.66	-0.68
Tracking Error	0.47	-	0.96
Information Ratio	0.62	-	-0.25
Up Capture Ratio	101.71	-	97.06
Down Capture Ratio	98.89	-	98.03

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.13	4.43	5.88
Avg Eff Maturity	8.23	-	8.21

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

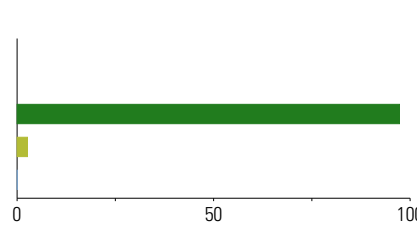
**Morningstar Index**  
Bloomberg US Agg Bond TR USD

**Style Analysis** as of 09-30-2024

**Style Breakdown**



**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	0.00	0.62
Non-US Stocks	0.00	0.23
Bonds	97.30	97.45
Cash	2.64	-0.01
Other	0.07	1.70
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	62.90	3.53	24.71
AA	3.20	74.59	39.01
A	12.20	10.82	22.22
BBB	21.50	8.32	12.31
BB	0.20	0.28	0.62
B	0.00	0.00	0.33
Below B	0.00	0.00	0.12
Not Rated	0.00	2.46	0.68

**Sector Weighting** as of 09-30-2024



**Top 10 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes 1.13%	10-2026	3.43	3.43	-
⊕ First American Government Obligs U	02-2030	2.32	5.75	-
⊕ United States Treasury Bonds 3.88%	05-2043	1.79	7.54	-
United States Treasury Bonds 2.88%	05-2043	1.77	9.31	-
⊖ United States Treasury Bonds 2.5%	02-2045	1.73	11.04	-
United States Treasury Bonds 2.38%	02-2042	1.57	12.61	-
United States Treasury Bonds 2.88%	05-2052	1.55	14.15	-
⊖ United States Treasury Notes 2.38%	03-2029	1.53	15.68	-
United States Treasury Bonds 3.38%	08-2042	1.49	17.17	-
⊖ United States Treasury Notes 4%	01-2031	1.25	18.42	-

**Total Holdings 1828**

⊕ 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 12.6 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 0.31 is 72.07% lower than the Small Value category average.

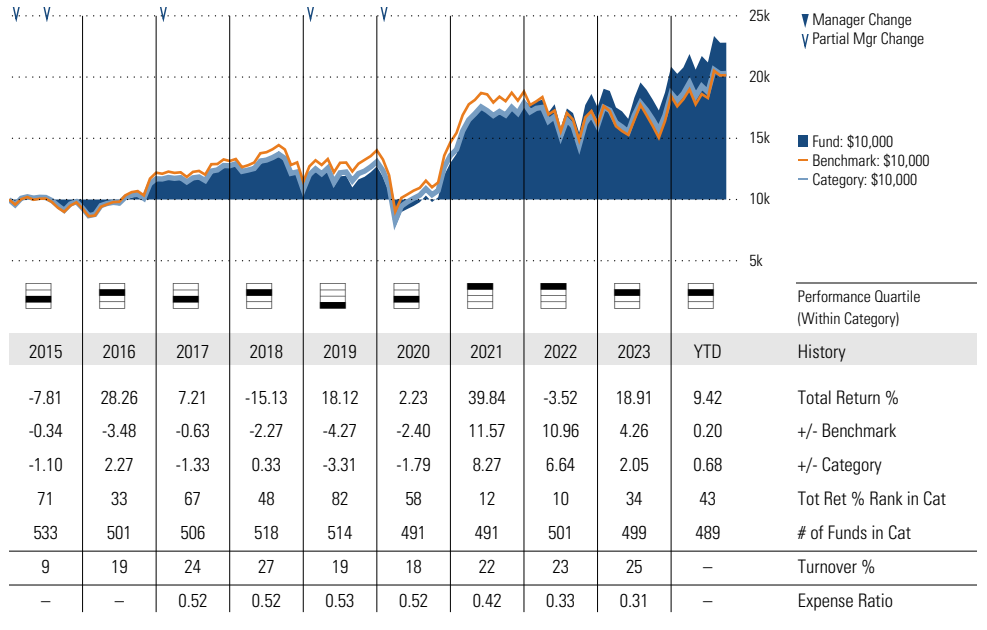
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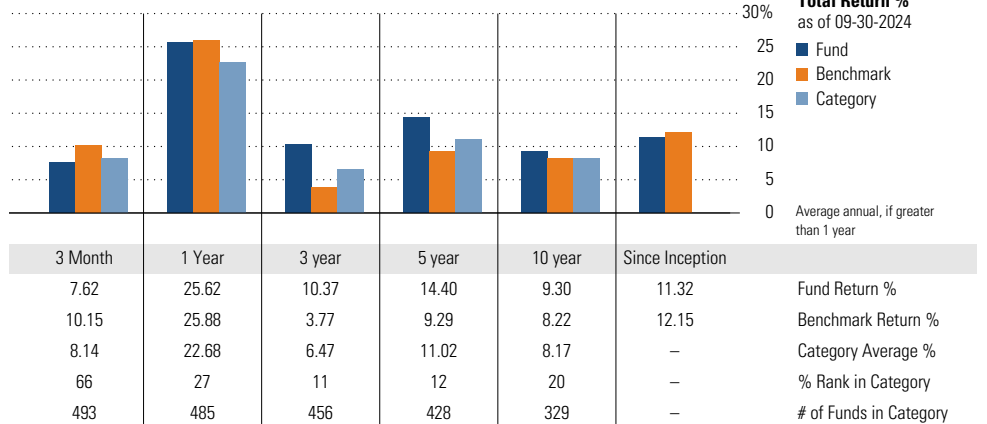
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2024
Carbon Risk Score	Medium Risk	12-31-2022

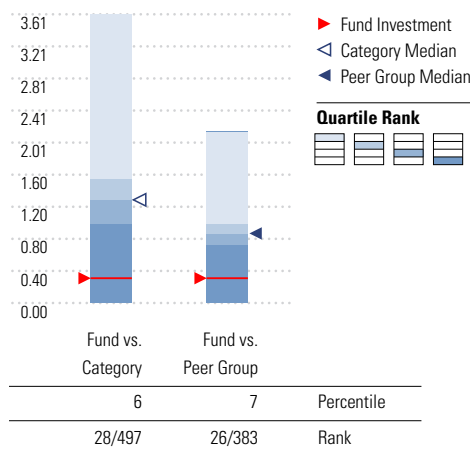
## Growth of \$10,000



## 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	6.34	-	2.65
Beta	0.95	-	0.91
R-Squared	96.55	-	93.65
Standard Deviation	22.11	22.84	21.56
Sharpe Ratio	0.38	0.11	0.21
Tracking Error	4.25	-	5.63
Information Ratio	1.55	-	0.45
Up Capture Ratio	104.83	-	95.86
Down Capture Ratio	85.92	-	88.20

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.00	13.90	14.46
Price/Book Ratio	1.21	1.31	1.66
Geom Avg Mkt Cap \$B	3.34	2.14	4.78
ROE	7.88	4.84	12.10

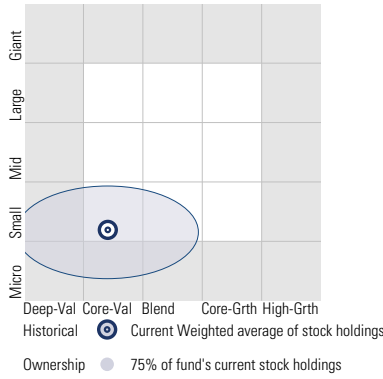
# DFA US Small Cap Value I DFSVX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 09-30-2024

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2024



## Sector Weighting as of 09-30-2024



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Ssc Government Mm Gvmxx	0.98	0.98	-	-
⊕ Future on E-mini S&P 500 Futures	0.97	1.95	-	-
⊖ Taylor Morrison Home Corp	0.88	2.83	31.70	Consumer Cyclical
⊖ Mohawk Industries Inc	0.80	3.63	55.25	Consumer Cyclical
⊖ Amkor Technology Inc	0.75	4.39	-7.32	Technology
Meritage Homes Corp	0.68	5.07	19.01	Consumer Cyclical
⊕ Jackson Financial Inc	0.67	5.74	-	Financial Services
⊕ Invesco Ltd	0.67	6.41	1.85	Financial Services
⊕ Southwestern Energy Co	0.66	7.07	-	Energy
⊕ United States Steel Corp	0.66	7.73	-27.07	Basic Materials
⊖ MGIC Investment Corp	0.62	8.35	34.58	Financial Services
⊕ DT Midstream Inc Ordinary Shares	0.61	8.96	-	Energy
⊖ Avnet Inc	0.60	9.56	9.64	Technology
Commercial Metals Co	0.59	10.15	10.87	Basic Materials
⊖ Assured Guaranty Ltd	0.58	10.73	7.51	Financial Services

**Total Holdings 1003**

⊕ 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 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 27.24 years.

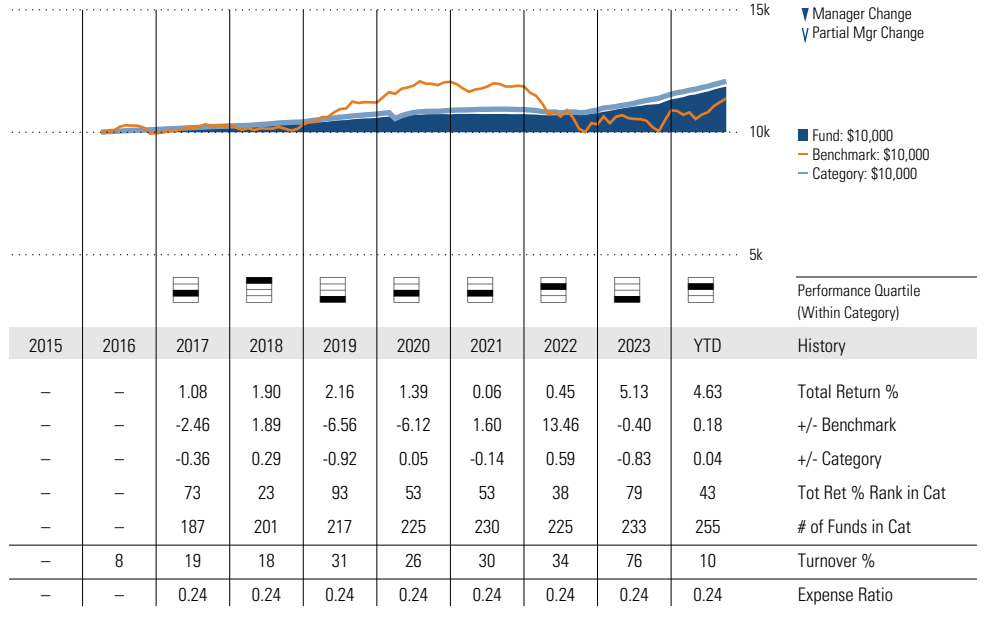
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 40% lower than the Ultrashort Bond category average.

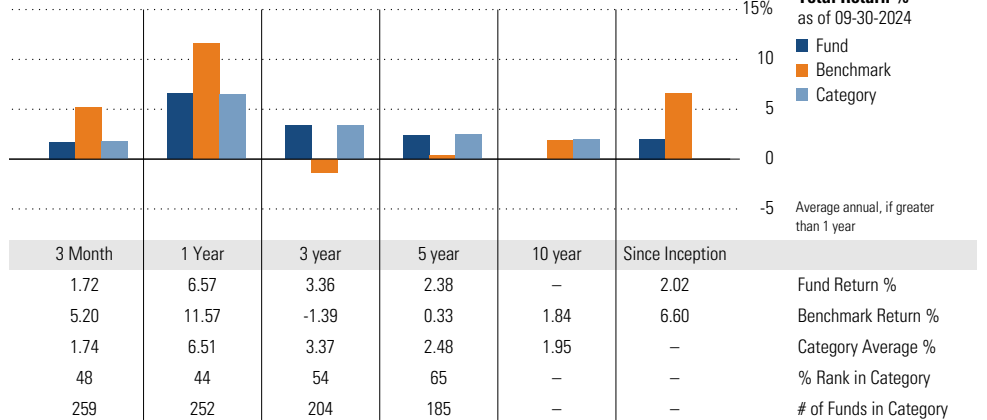
## Morningstar Investment Management LLC Analysis

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

Metric	Fund	Bmark	Cat
Alpha	3.41	-	3.45
Beta	0.09	-	0.10
R-Squared	50.48	-	34.61
Standard Deviation	0.96	7.63	1.27
Sharpe Ratio	-0.82	-0.66	-0.69
Tracking Error	6.98	-	6.98
Information Ratio	0.68	-	0.68
Up Capture Ratio	23.30	-	23.03
Down Capture Ratio	-8.54	-	-9.00

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	0.69	4.43	1.24
Avg Eff Maturity	-	-	1.90

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

**Style Analysis** as of 09-30-2024

**Style Breakdown**



**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	0.00	4.20
Non-US Stocks	0.00	0.05
Bonds	73.84	66.89
Cash	26.16	28.72
Other	0.00	0.15
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	39.54
AA	0.00	74.59	12.56
A	0.00	10.82	16.29
BBB	0.00	8.32	17.53
BB	0.00	0.28	2.42
B	0.00	0.00	1.19
Below B	0.00	0.00	0.39
Not Rated	0.00	2.46	10.08

**Sector Weighting** as of 09-30-2024



**Top 10 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Hsbc Repo 4 Repo	10-2024	10.78	10.78	-
⊕ Bank Of Montreal 6 Repo	10-2024	7.19	17.97	-
⊕ Repo Bank America Repo	10-2024	3.89	21.86	-
⊖ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 6.0065%	04-2033	3.50	25.37	-
⊖ Government National Mortgage Association 6.19541%	03-2054	3.19	28.55	-
⊕ Government National Mortgage Association 6.5%	06-2054	2.79	31.35	-
⊖ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.9065%	12-2032	2.75	34.10	-
FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.8565%	12-2032	2.57	36.67	-
⊖ Government National Mortgage Association 5.12871%	01-2073	2.50	39.18	-
⊖ FEDERAL HOME LN MTG CORP MULTICLASS MTG PARTN CTFS GTD 5.93012%	07-2053	2.16	41.34	-

**Total Holdings 230**

⊕ 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

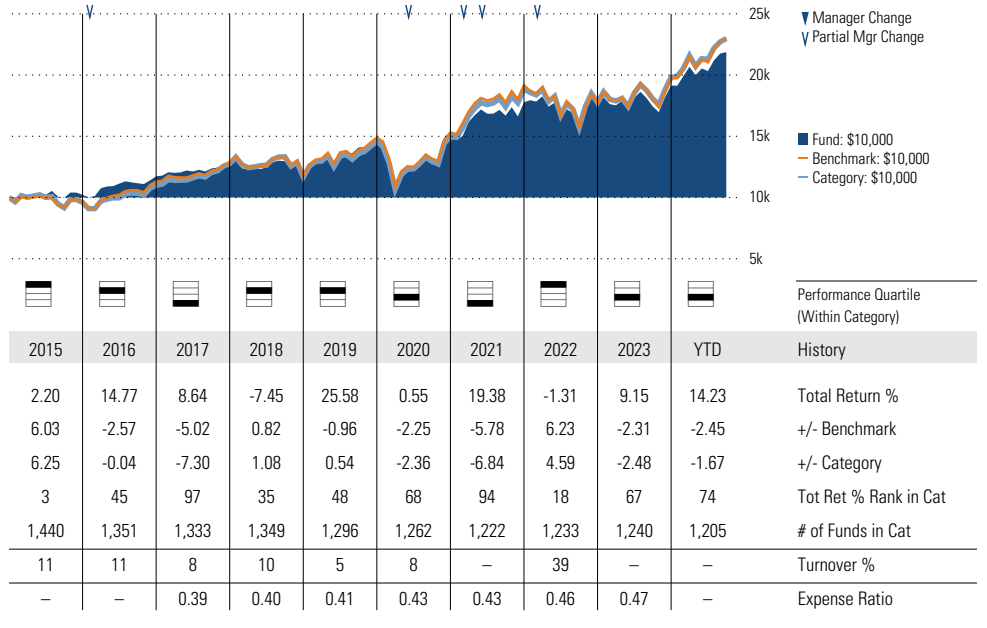
✔ **Performance:** The fund has finished in the Large Value category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 8.6 years.

✔ **Style:** The fund has landed in its primary style box — Large Value — 87.88 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 47.19% lower than the Large Value category average.

## Growth of \$10,000



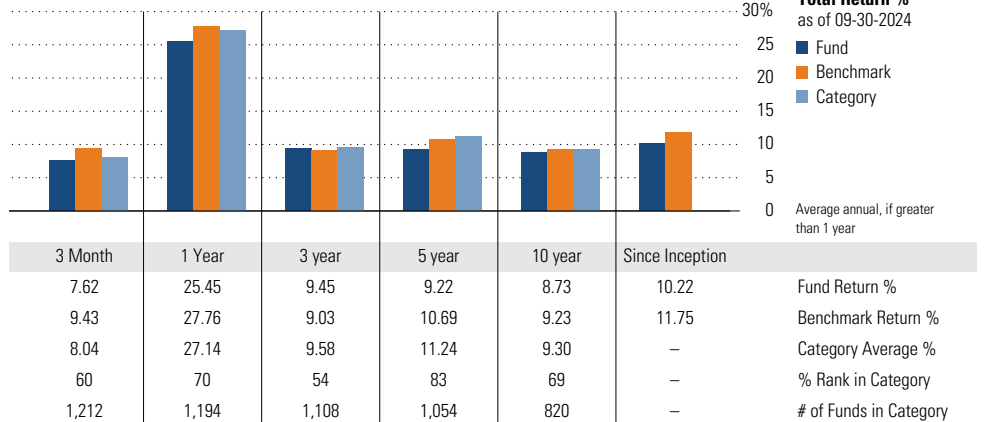
## Morningstar Investment Management LLC Analysis

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

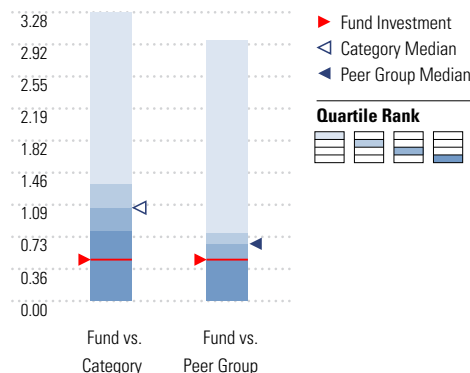
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Medium Risk	12-31-2022

## 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	1.31	-	0.87
Beta	0.88	-	0.95
R-Squared	96.74	-	93.93
Standard Deviation	14.91	16.65	16.42
Sharpe Ratio	0.43	0.37	0.41
Tracking Error	3.34	-	4.14
Information Ratio	0.13	-	0.14
Up Capture Ratio	89.31	-	96.16
Down Capture Ratio	83.53	-	92.64

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	22.14	20.63	19.28
Price/Book Ratio	2.91	2.67	2.57
Geom Avg Mkt Cap \$B	124.23	82.91	136.41
ROE	20.51	17.78	22.00

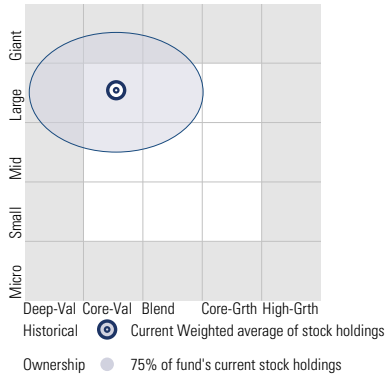
# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Style Analysis as of 09-30-2024

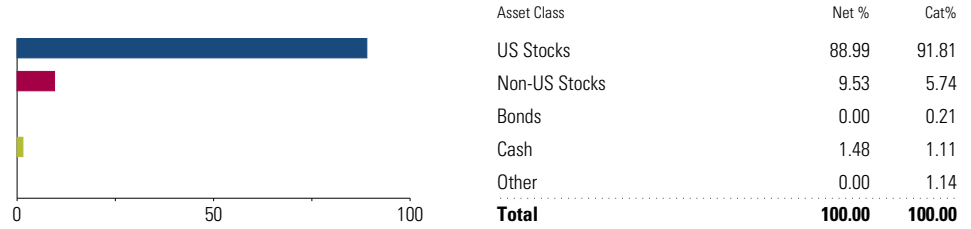
Morningstar Style Box™



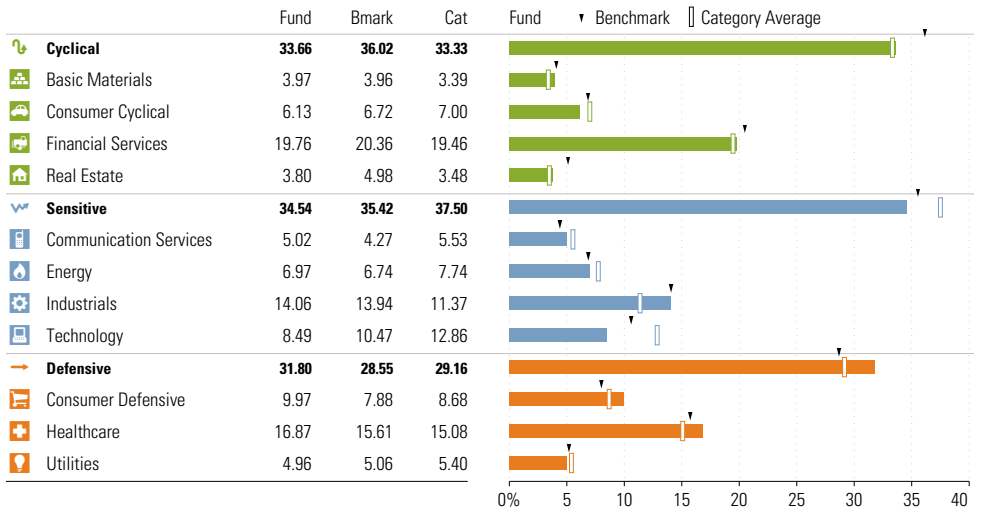
## Style Breakdown



## Asset Allocation as of 09-30-2024



## Sector Weighting as of 09-30-2024



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
UnitedHealth Group Inc	3.35	3.35	12.21	Healthcare
Walmart Inc	3.14	6.49	54.85	Consumer Defensive
JPMorgan Chase & Co	3.12	9.61	25.93	Financial Services
Philip Morris International Inc	2.82	12.42	33.24	Consumer Defensive
Johnson & Johnson	2.52	14.94	5.74	Healthcare
Lowe's Companies Inc	2.32	17.26	23.21	Consumer Cyclical
Chevron Corp	2.24	19.50	2.01	Energy
PNC Financial Services Group Inc	2.11	21.61	22.41	Financial Services
McDonald's Corp	2.11	23.72	4.39	Consumer Cyclical
Analog Devices Inc	2.05	25.77	17.31	Technology
Union Pacific Corp	2.05	27.82	1.95	Industrials
Entergy Corp	1.87	29.69	33.41	Utilities
CRH PLC	1.85	31.53	35.61	Basic Materials
Morgan Stanley	1.80	33.33	14.60	Financial Services
American International Group Inc	1.78	35.12	9.80	Financial Services

**Total Holdings 82**

⊕ 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 22.51 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 0.51 is 44.57% lower than the Large Growth category average.

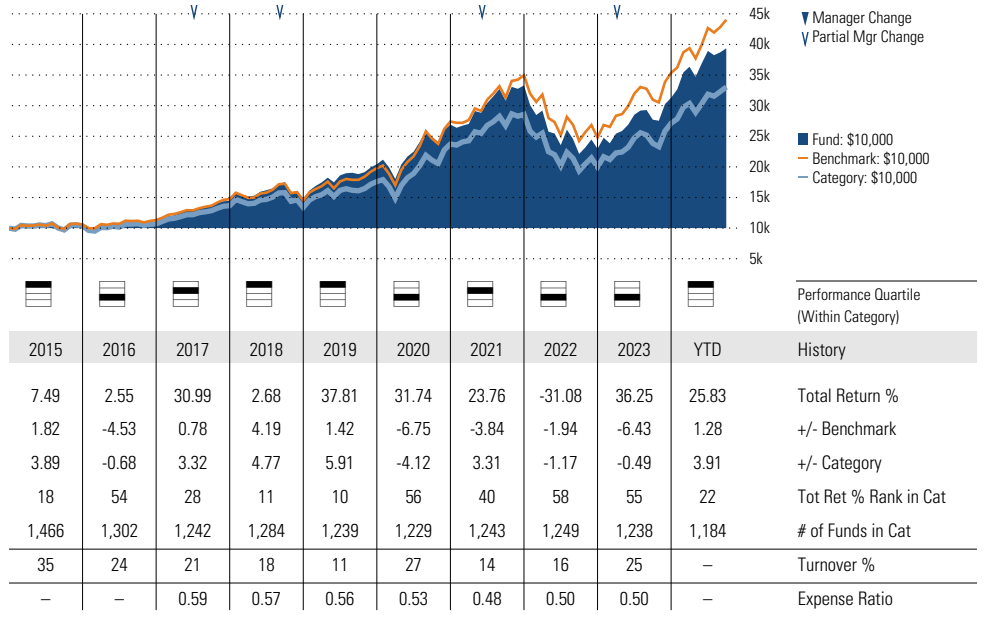
## Morningstar Investment Management LLC Analysis

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.

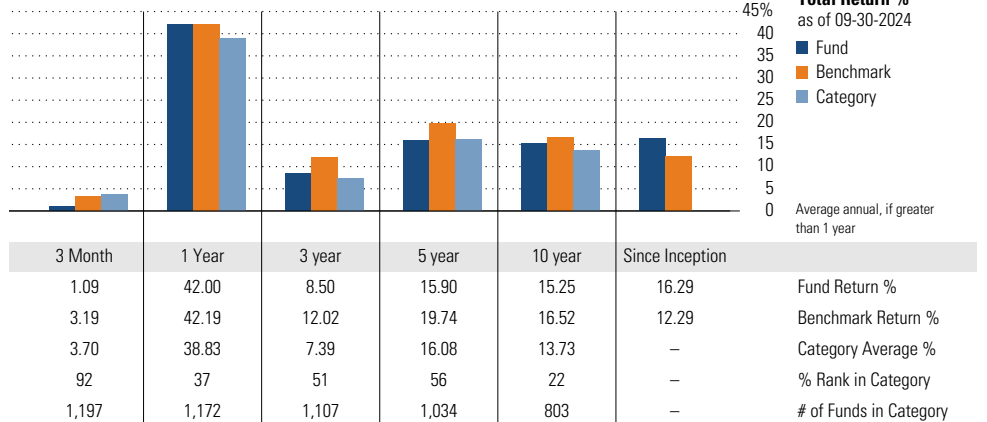
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

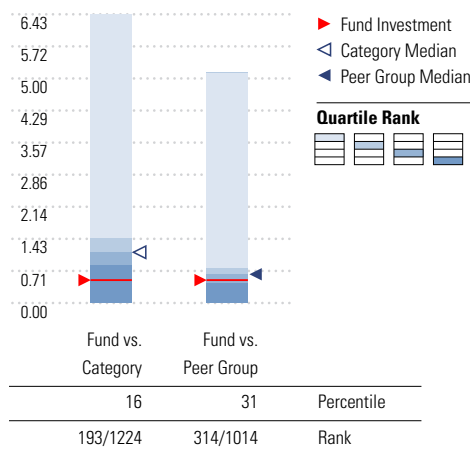
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-2.80	-	-4.22
Beta	0.96	-	0.99
R-Squared	96.94	-	92.51
Standard Deviation	20.38	20.85	21.45
Sharpe Ratio	0.32	0.47	0.27
Tracking Error	3.65	-	5.84
Information Ratio	-0.96	-	-0.84
Up Capture Ratio	92.15	-	91.00
Down Capture Ratio	101.58	-	105.24

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	37.16	36.55	35.39
Price/Book Ratio	9.65	12.14	9.26
Geom Avg Mkt Cap \$B	497.82	675.16	541.50
ROE	37.25	44.40	41.06

# MFS Growth R6 MFEKX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 09-30-2024

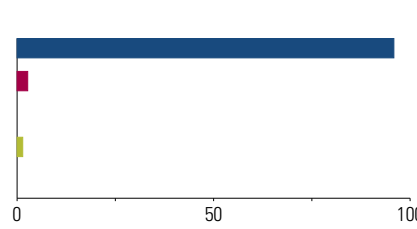
Morningstar Style Box™



## Style Breakdown

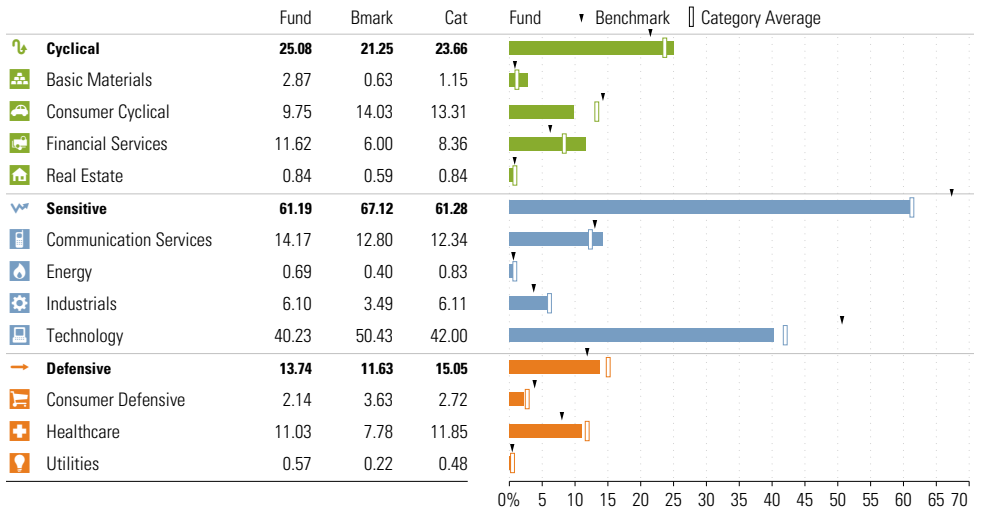


## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	95.87	93.54
Non-US Stocks	2.70	4.54
Bonds	0.00	0.00
Cash	1.43	1.11
Other	0.00	0.81
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	13.62	13.62	15.03	Technology
NVIDIA Corp	7.85	21.46	145.27	Technology
Amazon.com Inc	6.68	28.14	22.63	Consumer Cyclical
Meta Platforms Inc Class A	6.32	34.46	62.15	Communication Svc
Apple Inc	5.81	40.27	21.40	Technology
Alphabet Inc Class A	5.72	45.99	19.01	Communication Svc
Mastercard Inc Class A	3.24	49.23	16.24	Financial Services
Eli Lilly and Co	2.20	51.43	52.65	Healthcare
Boston Scientific Corp	1.80	53.23	44.96	Healthcare
Visa Inc Class A	1.74	54.97	6.21	Financial Services
Eaton Corp PLC	1.67	56.64	38.80	Industrials
KKR & Co Inc Ordinary Shares	1.57	58.21	58.23	Financial Services
Linde PLC	1.48	59.68	17.12	Basic Materials
Currency Cash CASH_USD	1.43	61.11	-	-
Vertex Pharmaceuticals Inc	1.41	62.52	14.30	Healthcare

**Total Holdings 68**

⊕ 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 10.85 years.

✗ **Style:** The fund has landed in its primary style box — Small Growth — 35.29 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 40.52% 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	4	08-31-2024
Carbon Risk Score	Medium Risk	12-31-2022

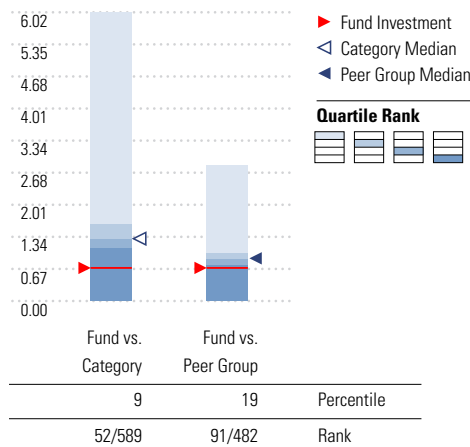
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.72	-	-1.40
Beta	0.82	-	0.92
R-Squared	90.67	-	91.59
Standard Deviation	19.90	23.09	22.33
Sharpe Ratio	0.04	-0.07	-0.13
Tracking Error	7.36	-	6.78
Information Ratio	0.41	-	-0.14
Up Capture Ratio	90.16	-	89.78
Down Capture Ratio	81.48	-	94.76

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.04	23.07	28.66
Price/Book Ratio	2.45	4.22	4.19
Geom Avg Mkt Cap \$B	5.62	3.28	6.71
ROE	10.67	6.24	12.92

# PGIM Jennison Small Company R6 PJSQX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 09-30-2024

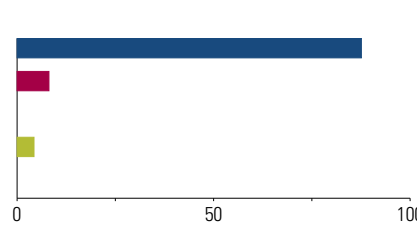
Morningstar Style Box™



## Style Breakdown

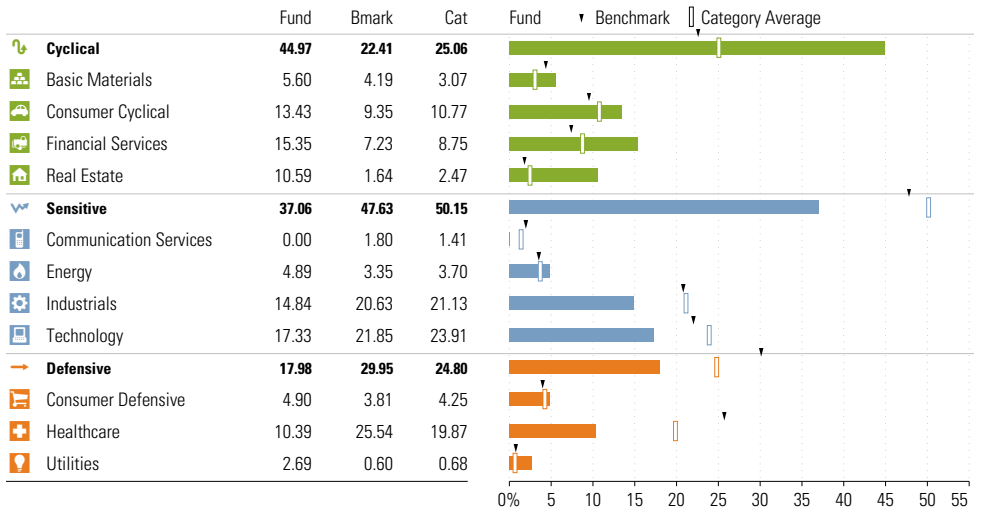


## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	87.60	92.73
Non-US Stocks	8.10	4.54
Bonds	0.00	0.00
Cash	4.30	1.50
Other	0.00	1.23
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Prudential Govt Money Mkt Fd	4.29	4.29	—	—
⊕ Gaming and Leisure Properties Inc	2.34	6.63	8.88	Real Estate
Shift4 Payments Inc Class A	2.29	8.92	19.18	Technology
Churchill Downs Inc	2.03	10.95	0.21	Consumer Cyclical
NiSource Inc	1.94	12.89	33.50	Utilities
Market Group Inc	1.82	14.71	10.47	Financial Services
Trinity Industries Inc	1.80	16.50	34.19	Industrials
Independence Realty Trust Inc	1.75	18.26	37.12	Real Estate
⊖ Targa Resources Corp	1.74	20.00	72.68	Energy
⊕ East West Bancorp Inc	1.70	21.70	17.29	Financial Services
Tower Semiconductor Ltd	1.66	23.37	—	Technology
⊕ Kirby Corp	1.63	24.99	56.00	Industrials
Crown Holdings Inc	1.60	26.60	4.93	Consumer Cyclical
⊕ KBR Inc	1.51	28.10	18.35	Industrials
⊖ Plymouth Industrial REIT Inc	1.49	29.59	-3.12	Real Estate

**Total Holdings 125**

⊕ 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 17.52 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.83 is 16.16% lower than the Multisector Bond category average.

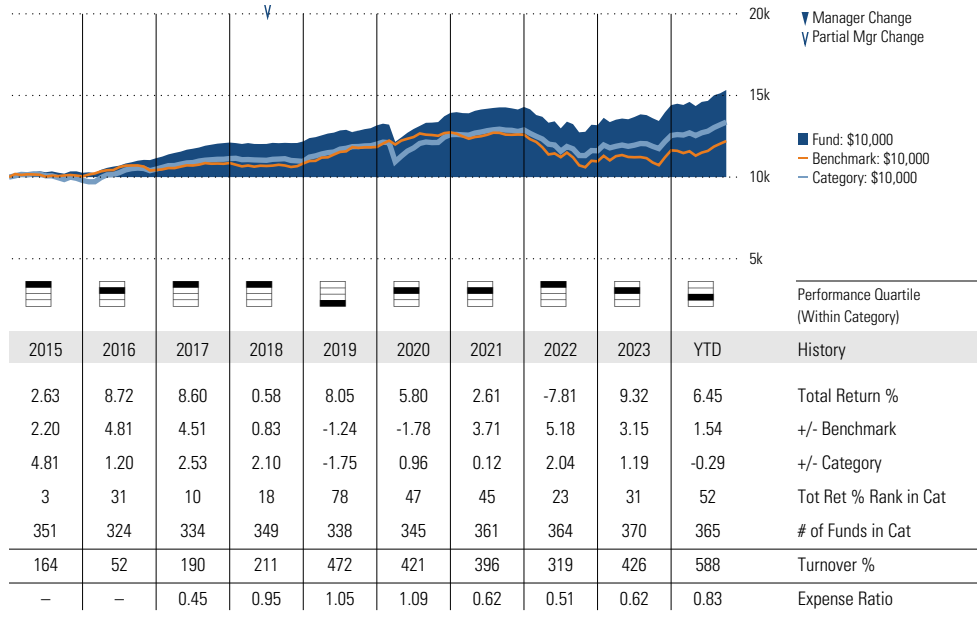
## Morningstar Investment Management LLC Analysis

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.

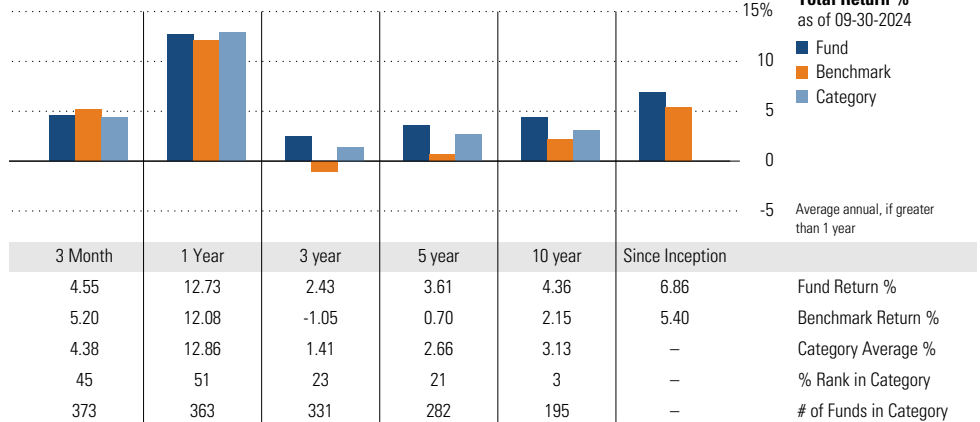
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2024

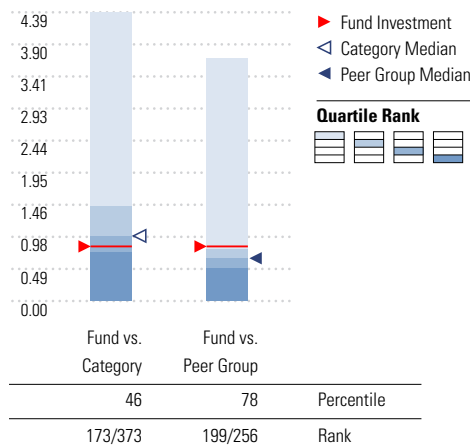
## Growth of \$10,000



## 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	3.26	-	2.10
Beta	0.82	-	0.78
R-Squared	87.06	-	78.51
Standard Deviation	6.61	7.52	6.59
Sharpe Ratio	-0.19	-0.63	-0.36
Tracking Error	2.74	-	3.57
Information Ratio	1.27	-	0.69
Up Capture Ratio	93.26	-	82.37
Down Capture Ratio	62.51	-	63.09

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	4.22	4.55	3.95
Avg Eff Maturity	5.48	7.69	6.43

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

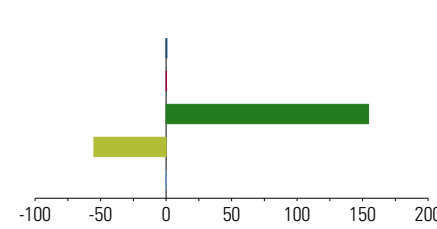
**Morningstar Index**  
Bloomberg US Universal TR USD

## Style Analysis as of 09-30-2024

### Style Breakdown



## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	0.61	1.19
Non-US Stocks	0.33	0.15
Bonds	154.54	112.55
Cash	-55.09	-13.24
Other	-0.37	-0.65
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	64.80	67.64	19.88
AA	5.56	3.23	11.93
A	4.10	10.03	11.10
BBB	11.30	10.89	24.08
BB	3.96	3.19	15.27
B	4.18	3.64	9.24
Below B	6.10	1.38	2.98
Not Rated	0.00	0.00	5.53

## Sector Weighting as of 09-30-2024

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Government</b>	<b>30.02</b>	-	<b>35.09</b>			
Treasury	3.02	-	9.02			
Inflation – Protected	2.11	-	1.04			
Agency/Quasi Agency	0.01	-	0.21			
Other Government Related	24.88	-	24.82			
<b>Corporate</b>	<b>3.26</b>	-	<b>33.22</b>			
Corporate Bond	2.69	-	28.24			
Bank Loan	0.56	-	3.12			
Convertible	0.01	-	0.62			
Preferred	0.00	-	1.24			
<b>Securitized</b>	<b>30.16</b>	-	<b>26.87</b>			
Agency MBS Pass-Through	16.72	-	9.84			
Agency MBS ARM	0.00	-	0.07			
Agency MBS CMO	0.11	-	3.09			
Non-Agency Residential MBS	4.82	-	5.32			
Commercial MBS	0.34	-	2.08			
Asset-Backed	8.17	-	6.47			
Covered Bond	0.00	-	0.00			
<b>Municipal</b>	<b>0.02</b>	-	<b>0.20</b>			
<b>Cash &amp; Equivalents</b>	<b>25.78</b>	-	<b>2.05</b>			
<b>Other</b>	<b>10.72</b>	-	<b>2.58</b>			

## Top 10 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Offset: Unsettled Trades	-	56.72	56.72	-
⊕ RFR USD SOFR/4.50000 05/22/23-2Y LCH Pay	05-2025	13.93	70.65	-
⊕ RFR USD SOFR/4.50000 05/22/23-2Y LCH Receive	05-2025	13.85	84.50	-
⊕ Federal National Mortgage Association 6%	08-2054	11.81	96.32	-
⊕ RFR GBP SONIO/4.00000 09/18/24-5Y LCH Receive	09-2029	8.23	104.55	-
⊕ RFR GBP SONIO/4.00000 09/18/24-5Y LCH Pay	09-2029	8.20	112.76	-
⊕ RFR USD SOFR/4.90000 06/06/23-2Y LCH Pay	06-2025	8.20	120.96	-
⊕ RFR USD SOFR/4.90000 06/06/23-2Y LCH Receive	06-2025	8.19	129.14	-
✳ Cash Offset	-	8.04	137.18	-
⊖ BRITISH POUND STERLING Sold	08-2024	7.01	144.19	-

**Total Holdings 9462**

⊕ Increase ⊖ Decrease ✳ New to Portfolio

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

Michelle Louie since 11-2017  
Nick Birkett since 08-2023  
Aaron Choi since 08-2023

## 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 6.84 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.04 is 94.52% 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	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.04	-	-1.07
Beta	1.00	-	0.94
R-Squared	100.00	-	94.38
Standard Deviation	17.52	17.53	16.95
Sharpe Ratio	0.51	0.52	0.42
Tracking Error	0.00	-	3.71
Information Ratio	-11.38	-	-1.34
Up Capture Ratio	99.91	-	92.03
Down Capture Ratio	100.07	-	96.37

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	27.49	27.50	26.80
Price/Book Ratio	4.80	4.80	5.15
Geom Avg Mkt Cap \$B	327.76	328.12	362.94
ROE	33.77	33.77	33.76

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Style Analysis as of 09-30-2024

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2024



## Sector Weighting as of 09-30-2024



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.25	7.25	21.40	Technology
⊕ Microsoft Corp	6.55	13.80	15.03	Technology
⊕ NVIDIA Corp	6.12	19.91	145.27	Technology
⊕ Amazon.com Inc	3.56	23.48	22.63	Consumer Cyclical
⊖ Meta Platforms Inc Class A	2.56	26.04	62.15	Communication Svc
⊖ Alphabet Inc Class A	1.99	28.03	19.01	Communication Svc
⊕ Berkshire Hathaway Inc Class B	1.73	29.75	29.05	Financial Services
⊖ Alphabet Inc Class C	1.64	31.40	18.92	Communication Svc
⊕ Broadcom Inc	1.64	33.04	55.95	Technology
⊕ Tesla Inc	1.49	34.52	5.29	Consumer Cyclical
⊖ Eli Lilly and Co	1.43	35.96	52.65	Healthcare
⊖ JPMorgan Chase & Co	1.23	37.18	25.93	Financial Services
⊕ UnitedHealth Group Inc	1.11	38.29	12.21	Healthcare
⊖ Exxon Mobil Corp	1.07	39.35	20.09	Energy
⊕ Visa Inc Class A	0.93	40.29	6.21	Financial Services

**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 11.61 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 90.36% 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	08-31-2024
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	0.47	-	-0.05
Beta	1.09	-	1.02
R-Squared	96.32	-	92.90
Standard Deviation	18.07	16.34	17.33
Sharpe Ratio	0.14	0.10	0.10
Tracking Error	3.74	-	4.62
Information Ratio	0.18	-	0.00
Up Capture Ratio	115.38	-	105.97
Down Capture Ratio	114.59	-	107.27

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.46	15.78	15.57
Price/Book Ratio	1.68	1.85	1.89
Geom Avg Mkt Cap \$B	34.83	52.84	63.57
ROE	15.52	16.65	18.70

# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 09-30-2024

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	0.72	3.83
Non-US Stocks	98.39	93.48
Bonds	0.00	0.55
Cash	0.74	0.63
Other	0.16	1.53
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## World Regions % Equity 09-30-2024



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	35.60	34.59	Americas	10.70	8.81	Greater Europe	53.69	56.59	Developed Markets	99.40
Japan	21.38	18.85	North America	10.67	7.75	United Kingdom	12.16	13.90	Emerging Markets	0.60
Australasia	7.05	4.68	Central/Latin	0.03	1.06	W euro-ex UK	40.57	41.71	Not Available	0.00
Asia-4 Tigers	6.99	6.46				Emrgng Europe	0.37	0.12		
Asia-ex 4 Tigers	0.18	4.60				Africa	0.59	0.86		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Novo Nordisk AS Class B	1.52	1.52	-	Healthcare
⊕ ASML Holding NV	1.36	2.87	10.07	Technology
⊖ Nestle SA	1.07	3.94	-	Consumer Defensive
⊕ SAP SE	1.04	4.98	48.12	Technology
⊕ Novartis AG Registered Shares	0.97	5.95	-	Healthcare
⊕ AstraZeneca PLC	0.97	6.92	11.52	Healthcare
⊕ Samsung Electronics Co Ltd	0.92	7.84	-	Technology
⊕ Roche Holding AG	0.92	8.76	-	Healthcare
⊕ Toyota Motor Corp	0.88	9.64	-	Consumer Cyclical
⊖ Shell PLC	0.85	10.49	-2.59	Energy

**Total Holdings 4015**

⊕ 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 85.07% lower than the Inflation-Protected Bond category average.

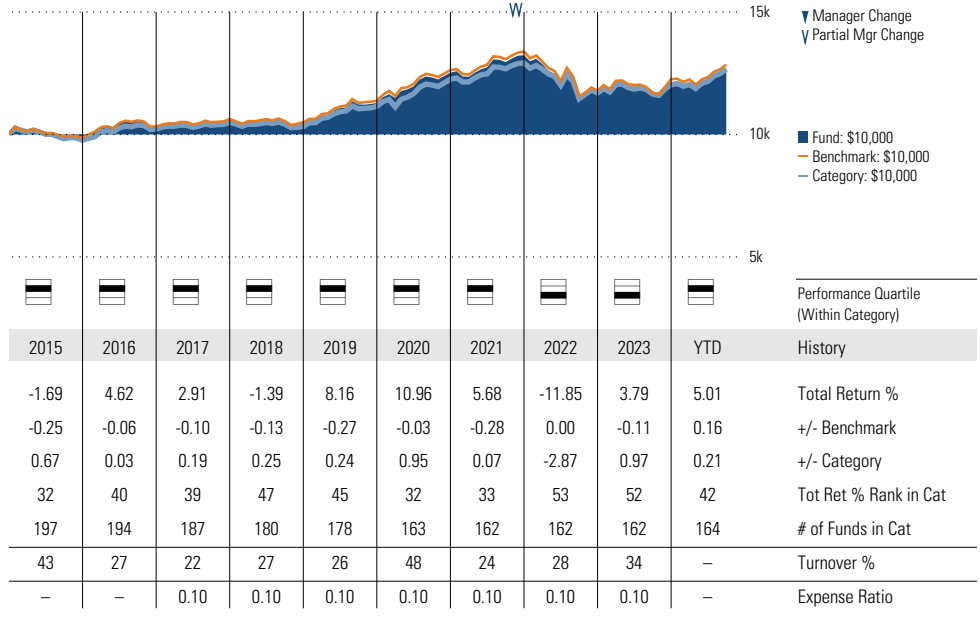
## Morningstar Investment Management LLC Analysis

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

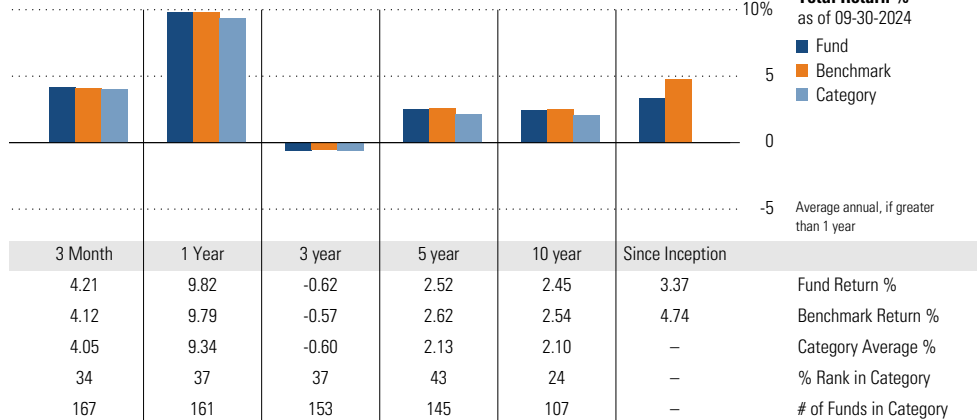
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.05	-	-0.25
Beta	0.99	-	1.00
R-Squared	99.74	-	96.43
Standard Deviation	7.13	7.18	7.78
Sharpe Ratio	-0.59	-0.58	-0.60
Tracking Error	0.37	-	1.66
Information Ratio	-0.13	-	-0.49
Up Capture Ratio	99.32	-	98.55
Down Capture Ratio	99.84	-	101.62

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.70	4.52	5.50
Avg Eff Maturity	7.60	-	6.78

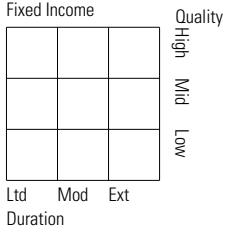
# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

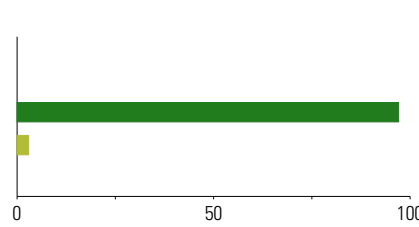
**Morningstar Index**  
Bloomberg US Treasury US TIPS TR USD

## Style Analysis as of 09-30-2024

### Style Breakdown



## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	0.00	0.28
Non-US Stocks	0.00	-0.08
Bonds	97.08	96.14
Cash	2.92	2.24
Other	0.00	1.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	97.69	0.00	33.63
AA	0.00	99.60	62.08
A	0.00	0.00	0.83
BBB	0.00	0.00	0.96
BB	0.00	0.00	0.10
B	0.00	0.00	0.02
Below B	0.00	0.00	0.08
Not Rated	2.31	0.40	2.30

## Sector Weighting as of 09-30-2024



## Top 10 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes	-	5.77	5.77	-
⊖ United States Treasury Notes	-	3.75	9.52	-
⊕ United States Treasury Notes	-	3.52	13.04	-
⊖ United States Treasury Notes	-	3.47	16.50	-
⊖ United States Treasury Notes	-	3.45	19.95	-
⊕ United States Treasury Notes	-	3.26	23.22	-
⊖ United States Treasury Notes	-	3.21	26.43	-
⊕ United States Treasury Notes	-	3.17	29.60	-
⊖ United States Treasury Notes	-	3.17	32.77	-
⊖ United States Treasury Notes	-	3.09	35.86	-

**Total Holdings 60**

⊕ 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)

Aurélie Denis since 02-2023

Aaron Choi since 08-2023

## 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 team has been in place for less than three 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 94.05% lower than the Mid-Cap Blend category average.

## Morningstar Investment Management LLC Analysis

This fund fails the manager tenure screen due to the retirement of a long-serving manager. Since this is a team-managed index fund, we are not concerned about the change.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2024
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.35	-	0.41
Beta	0.98	-	0.96
R-Squared	99.52	-	93.56
Standard Deviation	19.35	19.65	19.58
Sharpe Ratio	0.17	0.19	0.20
Tracking Error	1.39	-	4.98
Information Ratio	-0.32	-	-0.02
Up Capture Ratio	97.52	-	96.88
Down Capture Ratio	98.72	-	95.85

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	23.36	21.40	20.57
Price/Book Ratio	3.26	2.93	2.99
Geom Avg Mkt Cap \$B	33.97	21.38	13.88
ROE	19.80	18.85	21.87

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 09-30-2024

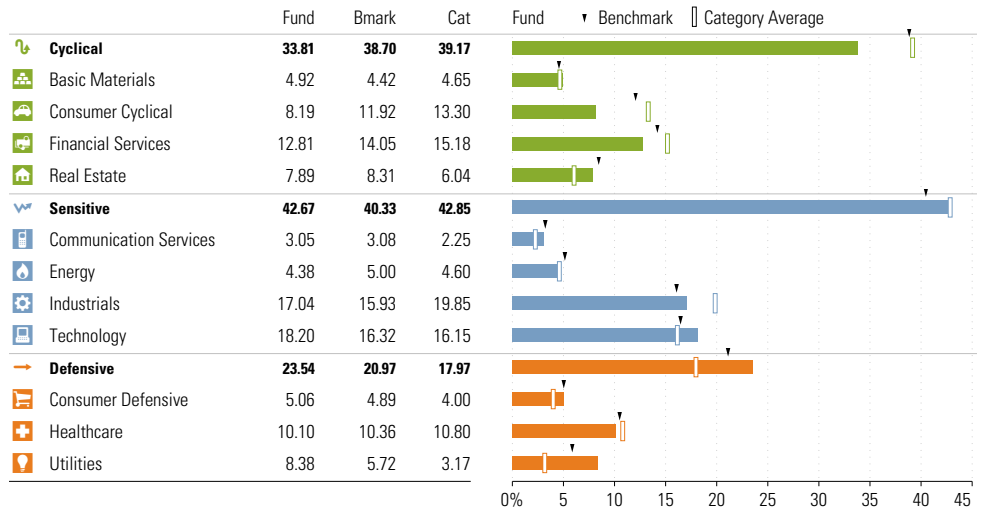
Morningstar Style Box™



## Asset Allocation as of 09-30-2024



## Sector Weighting as of 09-30-2024



## Style Breakdown



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Constellation Energy Corp	0.99	0.99	-	Utilities
⊖ Amphenol Corp Class A	0.95	1.94	32.24	Technology
⊕ Welltower Inc	0.94	2.88	44.08	Real Estate
⊖ TransDigm Group Inc	0.92	3.80	41.08	Industrials
⊖ Palantir Technologies Inc Ordinary Shares - Class A	0.91	4.71	116.66	Technology
⊖ Motorola Solutions Inc	0.91	5.61	44.55	Technology
⊖ Cintas Corp	0.85	6.46	37.35	Industrials
⊖ Carrier Global Corp Ordinary Shares	0.83	7.30	40.77	Industrials
⊖ Arthur J. Gallagher & Co	0.74	8.04	25.92	Financial Services
⊖ Newmont Corp	0.74	8.78	30.95	Basic Materials
⊖ D.R. Horton Inc	0.68	9.46	26.12	Consumer Cyclical
⊖ Realty Income Corp	0.67	10.13	14.07	Real Estate
⊖ United Rentals Inc	0.65	10.77	42.06	Industrials
⊖ ONEOK Inc	0.64	11.42	34.01	Energy
⊕ Digital Realty Trust Inc	0.64	12.06	22.97	Real Estate

**Total Holdings 316**

⊕ 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 28.4 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 0.13 is 88.29% 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	2	08-31-2024
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	-2.48	-	-2.12
Beta	1.03	-	0.97
R-Squared	98.51	-	94.85
Standard Deviation	22.22	21.44	21.37
Sharpe Ratio	0.05	0.16	0.05
Tracking Error	2.78	-	4.07
Information Ratio	-0.91	-	-0.70
Up Capture Ratio	98.87	-	93.85
Down Capture Ratio	106.62	-	100.60

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	36.43	38.46	36.76
Price/Book Ratio	2.59	2.42	2.68
Geom Avg Mkt Cap \$B	27.25	9.35	38.20
ROE	15.00	9.56	16.26

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

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

## Style Analysis as of 09-30-2024

Morningstar Style Box™



## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	98.30	88.74
Non-US Stocks	0.01	1.06
Bonds	0.00	1.02
Cash	1.69	1.55
Other	0.00	7.63
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>99.13</b>	<b>99.13</b>	<b>99.07</b>			
Basic Materials	0.00	0.00	0.11			
Consumer Cyclical	0.00	0.13	1.78			
Financial Services	0.00	0.00	0.35			
Real Estate	99.13	99.00	96.83			
<b>Sensitive</b>	<b>0.87</b>	<b>0.87</b>	<b>0.75</b>			
Communication Services	0.85	0.00	0.16			
Energy	0.00	0.00	0.02			
Industrials	0.02	0.87	0.27			
Technology	0.00	0.00	0.30			
<b>Defensive</b>	<b>0.00</b>	<b>0.00</b>	<b>0.19</b>			
Consumer Defensive	0.00	0.00	0.00			
Healthcare	0.00	0.00	0.16			
Utilities	0.00	0.00	0.03			

## Style Breakdown



## Top 15 Holdings as of 09-30-2024

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	13.47	13.47	-	-
⊖ Prologis Inc	6.37	19.84	-3.11	Real Estate
⊖ American Tower Corp	5.92	25.76	9.23	Real Estate
⊖ Equinix Inc	4.47	30.23	11.80	Real Estate
⊖ Welltower Inc	4.08	34.31	44.08	Real Estate
⊖ Public Storage	3.14	37.45	22.25	Real Estate
⊖ Realty Income Corp	3.01	40.46	14.07	Real Estate
⊖ Simon Property Group Inc	3.00	43.46	22.70	Real Estate
⊖ Digital Realty Trust Inc	2.86	46.32	22.97	Real Estate
⊖ Crown Castle Inc	2.81	49.13	7.06	Real Estate
⊖ CBRE Group Inc Class A	2.08	51.21	33.72	Real Estate
⊖ Extra Space Storage Inc	2.08	53.29	15.42	Real Estate
⊖ Iron Mountain Inc	1.90	55.19	72.69	Real Estate
⊖ AvalonBay Communities Inc	1.75	56.94	23.04	Real Estate
⊖ VICI Properties Inc Ordinary Shares	1.74	58.67	8.45	Real Estate

**Total Holdings 158**

⊕ 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-Diaz 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 11.61 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 85.19% lower than the Target-Date 2020 category average.

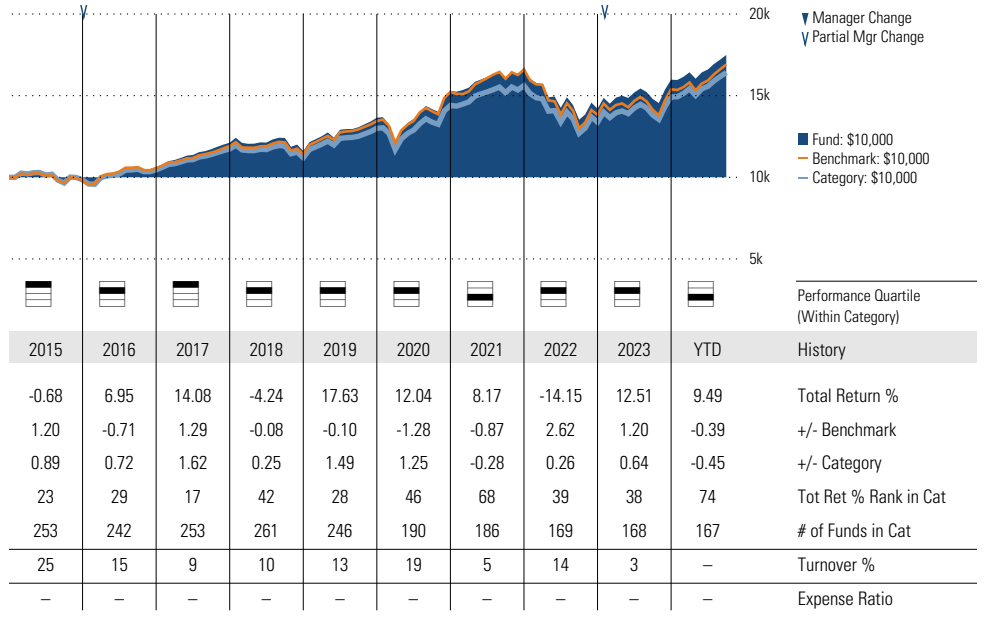
## Morningstar Investment Management LLC Analysis

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.

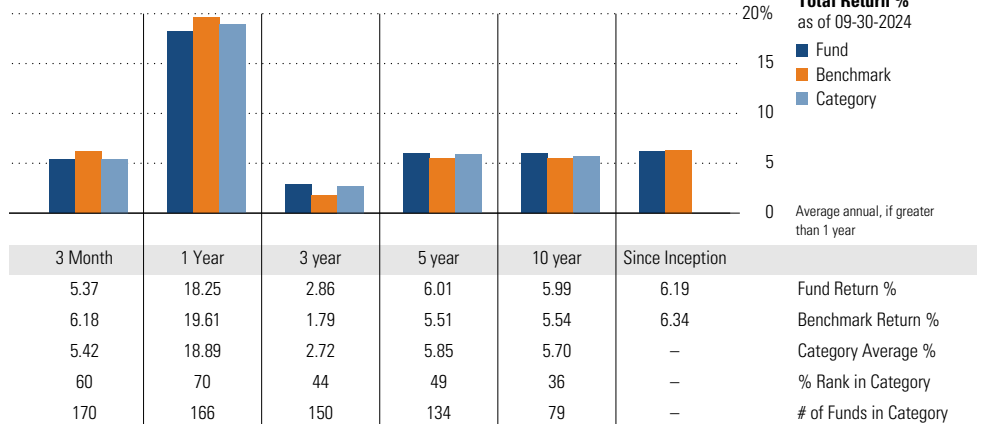
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
ESG Commitment	1-Low	02-15-2022

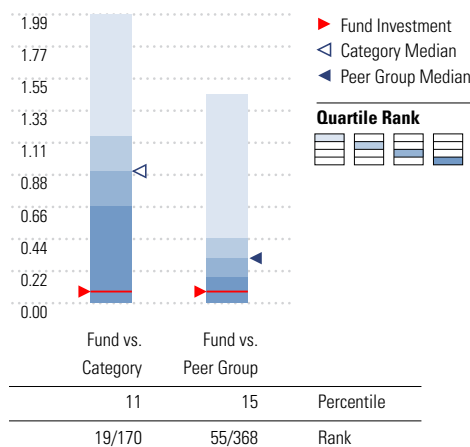
## Growth of \$10,000



## 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	1.22	-	1.08
Beta	0.86	-	0.89
R-Squared	98.95	-	98.59
Standard Deviation	10.20	11.83	10.58
Sharpe Ratio	-0.05	-0.12	-0.05
Tracking Error	1.98	-	1.91
Information Ratio	0.54	-	0.52
Up Capture Ratio	90.26	-	93.13
Down Capture Ratio	82.98	-	86.75

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.42	21.64	21.65
Price/Book Ratio	2.68	2.85	2.92
Avg Eff Duration	5.55	-	5.15

# Vanguard Target Retirement 2020 Fund VTWNX

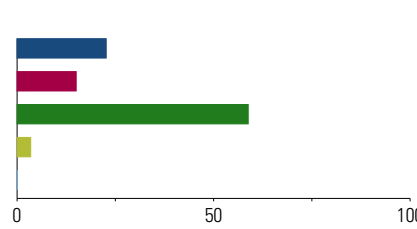
**Morningstar Category**  
Target-Date 2020

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

**Style Analysis** as of 09-30-2024  
Morningstar Style Box™

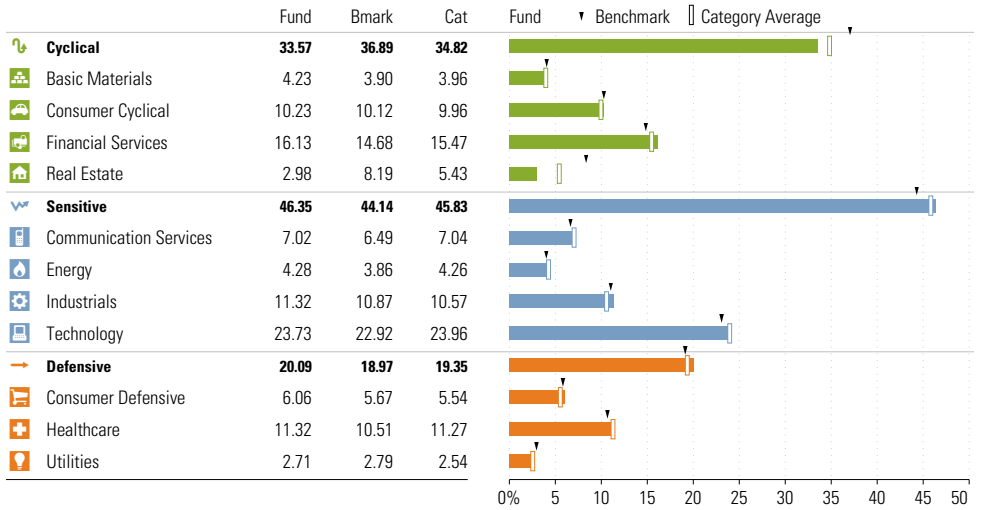


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	22.67	24.84
Non-US Stocks	15.03	12.88
Bonds	58.80	50.77
Cash	3.46	2.21
Other	0.05	9.30
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Style Breakdown**



**Top 7 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	33.62	33.62	-	-
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	22.72	56.35	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	15.39	71.74	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	14.71	86.45	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	12.93	99.38	-	-
⊖ Mktliq 12/31/2049	-	0.66	100.04	-	-
⊕ Us Dollar	-	0.04	100.08	-	-

**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-Diaz 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 11.61 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 85.71% 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.

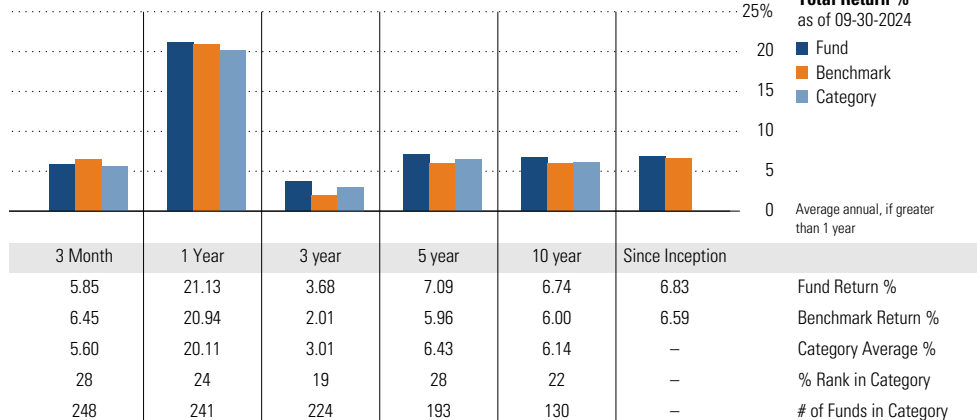
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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	1.73	-	1.17
Beta	0.92	-	0.87
R-Squared	98.98	-	98.25
Standard Deviation	11.76	12.73	11.18
Sharpe Ratio	0.04	-0.08	-0.02
Tracking Error	1.57	-	2.23
Information Ratio	1.06	-	0.51
Up Capture Ratio	97.68	-	90.79
Down Capture Ratio	88.22	-	84.34

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.45	21.43	21.88
Price/Book Ratio	2.68	2.81	2.95
Avg Eff Duration	5.84	-	5.46

# Vanguard Target Retirement 2025 Fund VTTVX

**Morningstar Category**  
Target-Date 2025

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

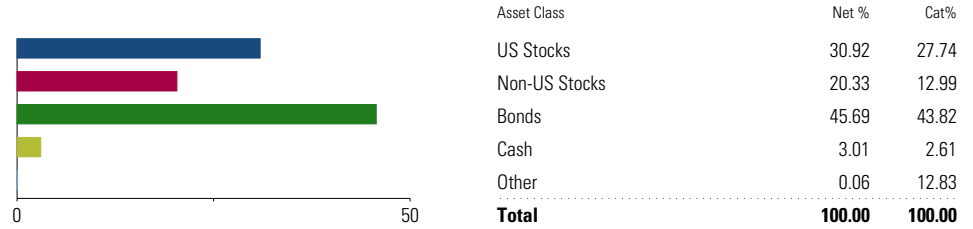
**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



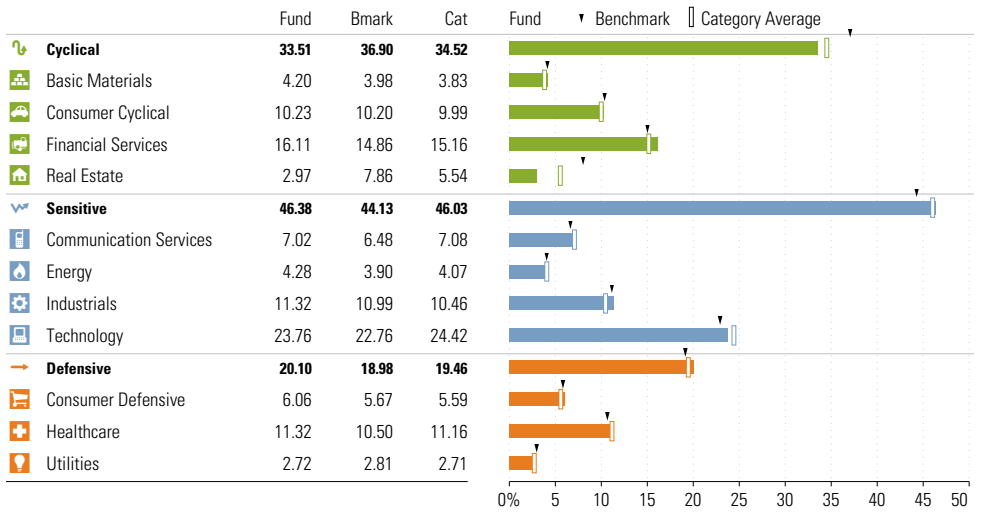
**Style Breakdown**



**Asset Allocation** as of 09-30-2024



**Sector Weighting** as of 09-30-2024



**Top 7 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	30.99	30.99	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	28.71	59.70	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	20.82	80.52	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	12.35	92.88	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	-	6.53	99.40	-	-
⊖ Mktliq 12/31/2049	-	0.62	100.02	-	-
⊕ Us Dollar	-	0.02	100.05	-	-

**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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz 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 11.61 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 2030 category average.

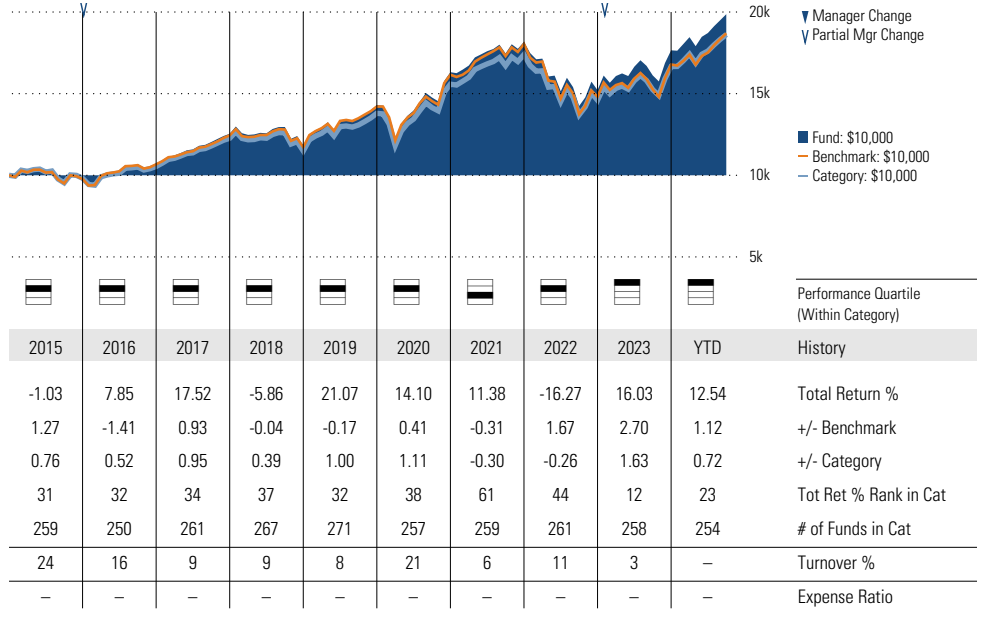
## Morningstar Investment Management LLC Analysis

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.

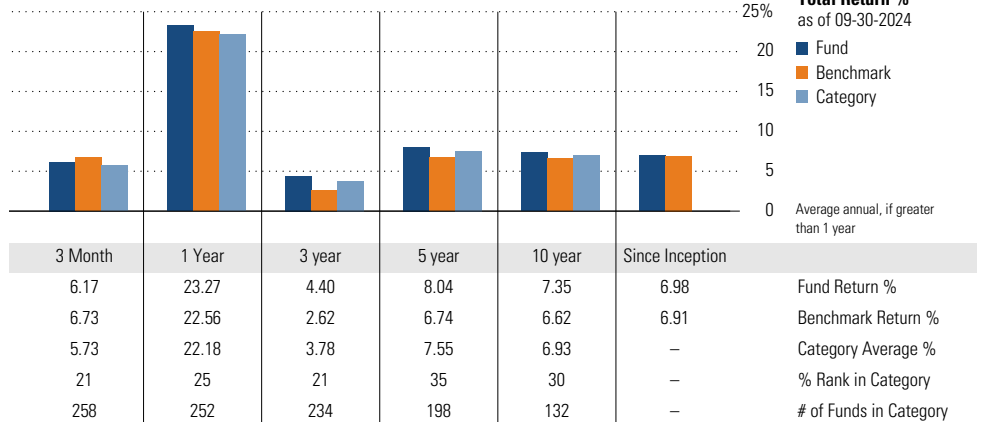
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

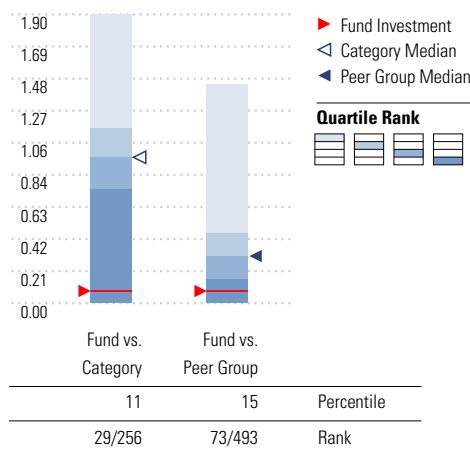
## Growth of \$10,000



## 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	1.84	-	1.32
Beta	0.94	-	0.90
R-Squared	99.02	-	98.45
Standard Deviation	12.83	13.64	12.42
Sharpe Ratio	0.10	-0.02	0.06
Tracking Error	1.54	-	2.05
Information Ratio	1.15	-	0.64
Up Capture Ratio	99.16	-	94.25
Down Capture Ratio	89.89	-	87.55

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.44	21.22	22.01
Price/Book Ratio	2.68	2.77	3.08
Avg Eff Duration	6.37	-	5.81

# Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category**  
Target-Date 2030

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

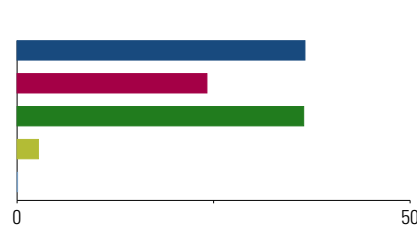
**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**

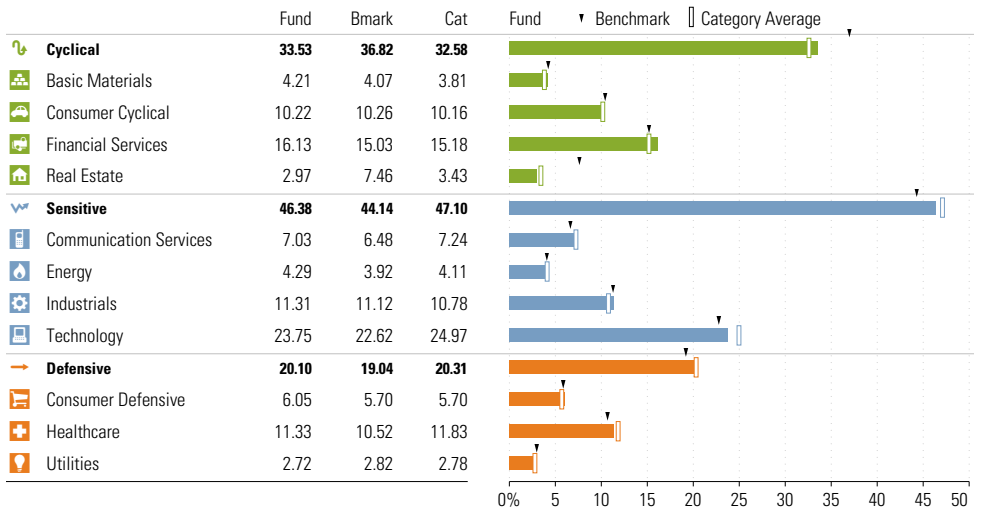


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	36.62	34.63
Non-US Stocks	24.15	15.60
Bonds	36.46	31.97
Cash	2.71	1.84
Other	0.06	15.95
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	36.71	36.71	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	26.63	63.34	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	24.74	88.08	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	11.32	99.40	-	-
⊖ Mktliq 12/31/2049	-	0.60	100.00	-	-
⊖ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2035 Fund VTTX

**Morningstar Category**  
Target-Date 2035

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

## Portfolio Manager(s)

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

## Quantitative Screens

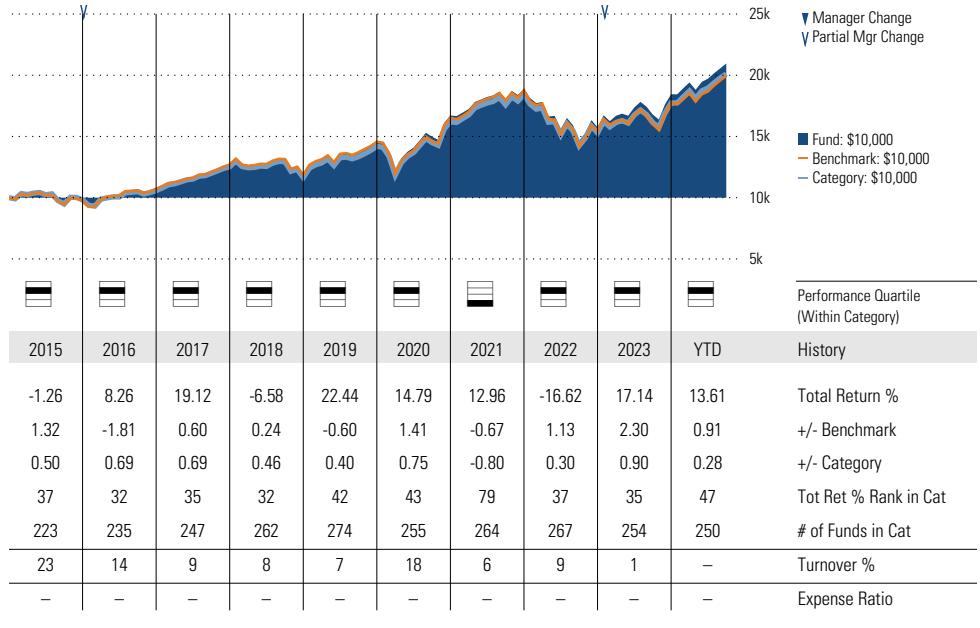
✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.61 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 96.97 % 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 2035 category average.

## Growth of \$10,000



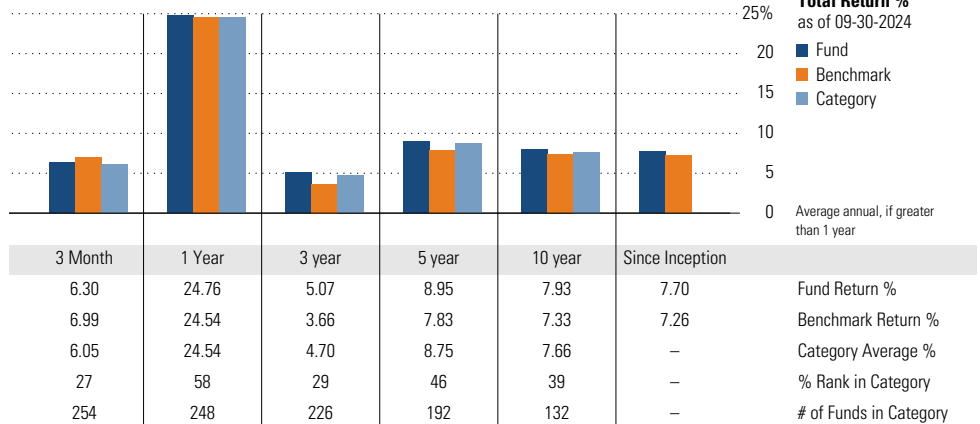
## Morningstar Investment Management LLC Analysis

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

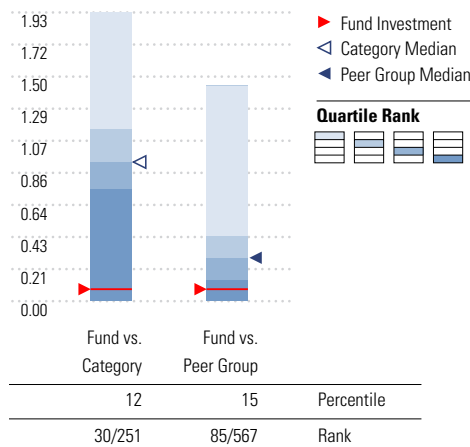
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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

	Fund	Bmark	Cat
Alpha	1.54	-	1.24
Beta	0.93	-	0.94
R-Squared	99.02	-	98.44
Standard Deviation	13.64	14.56	13.75
Sharpe Ratio	0.15	0.06	0.13
Tracking Error	1.67	-	1.96
Information Ratio	0.84	-	0.59
Up Capture Ratio	97.40	-	97.03
Down Capture Ratio	90.17	-	91.26

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.47	21.00	21.82
Price/Book Ratio	2.69	2.74	3.01
Avg Eff Duration	6.38	-	6.45

# Vanguard Target Retirement 2035 Fund VTTHX

**Morningstar Category**  
Target-Date 2035

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

**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**



**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	41.27	40.86
Non-US Stocks	26.94	18.56
Bonds	29.25	23.01
Cash	2.50	2.21
Other	0.05	15.37
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Instl Pls	-	41.37	41.37	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	27.60	68.96	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	21.35	90.32	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	9.09	99.41	-	-
⊖ Mktliq 12/31/2049	-	0.59	100.00	-	-
⊕ Us Dollar	-	0.00	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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz since 02-2023

## Quantitative Screens

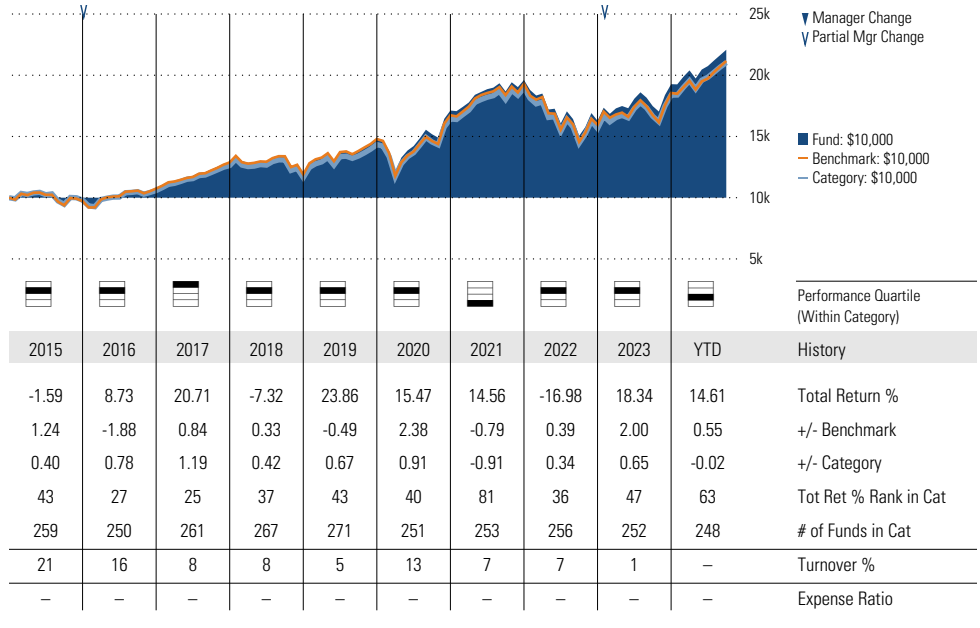
✔ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.61 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 96.97 % 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 2040 category average.

## Growth of \$10,000



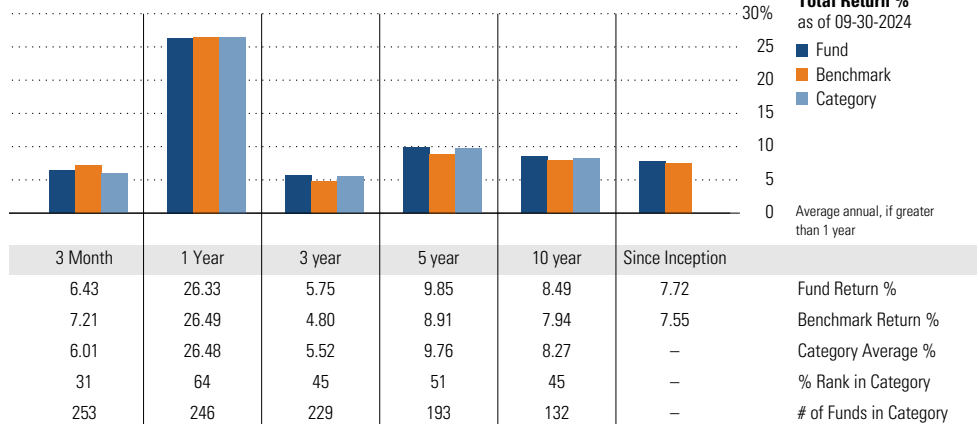
## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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

	Fund	Bmark	Cat
Alpha	1.15	-	0.93
Beta	0.93	-	0.96
R-Squared	98.94	-	98.37
Standard Deviation	14.44	15.37	14.81
Sharpe Ratio	0.20	0.13	0.19
Tracking Error	1.80	-	2.07
Information Ratio	0.53	-	0.40
Up Capture Ratio	96.31	-	97.87
Down Capture Ratio	91.24	-	93.81

## Portfolio Metrics

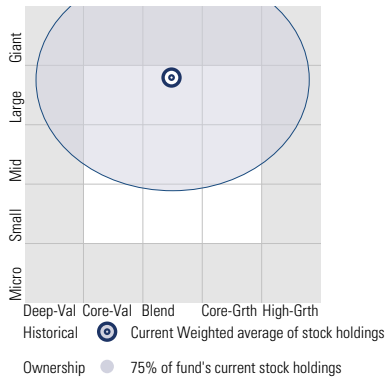
	Fund	Bmark	Cat
Price/Earnings Ratio	20.53	20.79	21.69
Price/Book Ratio	2.70	2.70	3.00
Avg Eff Duration	6.37	-	7.09

# Vanguard Target Retirement 2040 Fund VFORX

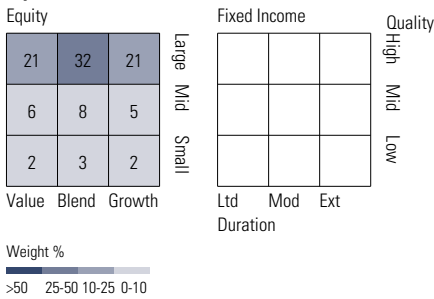
**Morningstar Category**  
Target-Date 2040

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

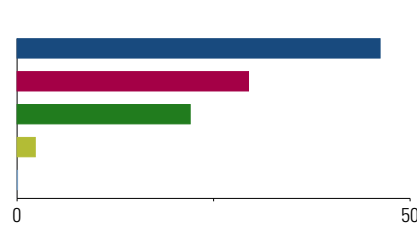
**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**

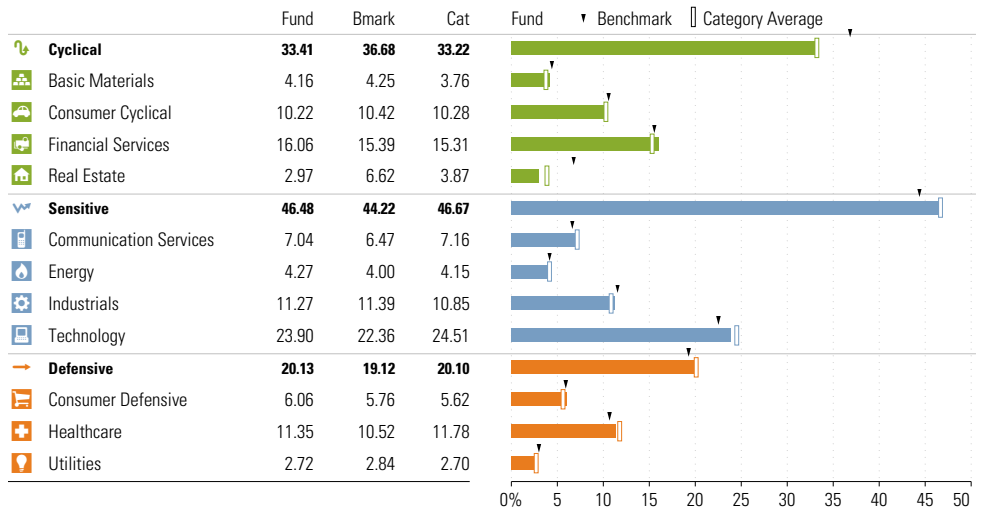


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	46.18	48.18
Non-US Stocks	29.44	22.60
Bonds	22.02	13.36
Cash	2.31	1.65
Other	0.06	14.21
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	46.30	46.30	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	30.14	76.44	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	16.00	92.44	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	6.92	99.36	-	-
⊕ Mktliq 12/31/2049	-	0.63	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-Diaz 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 11.61 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 96.97 % 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 2045 category average.

## Growth of \$10,000



## Morningstar Investment Management LLC Analysis

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

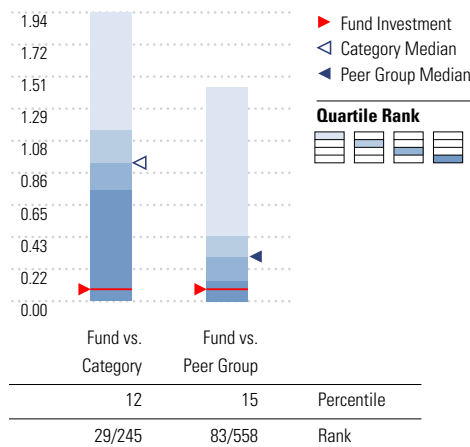
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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

	Fund	Bmark	Cat
Alpha	0.96	-	0.68
Beta	0.95	-	0.97
R-Squared	98.85	-	98.31
Standard Deviation	15.27	15.95	15.58
Sharpe Ratio	0.23	0.18	0.22
Tracking Error	1.81	-	2.11
Information Ratio	0.43	-	0.26
Up Capture Ratio	97.56	-	98.55
Down Capture Ratio	93.56	-	95.74

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.50	20.61	21.42
Price/Book Ratio	2.69	2.67	2.90
Avg Eff Duration	6.39	-	7.94

# Vanguard Target Retirement 2045 Fund VTIVX

**Morningstar Category**  
Target-Date 2045

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

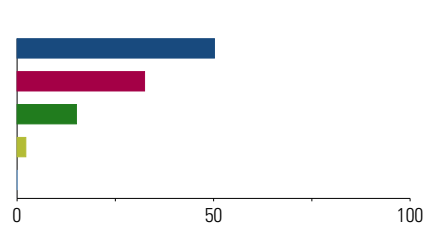
**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**

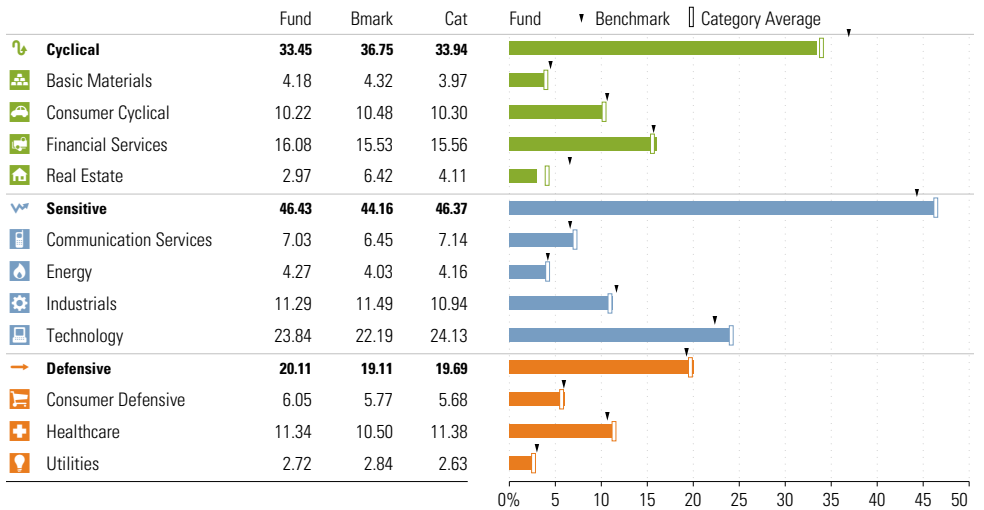


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	50.21	51.65
Non-US Stocks	32.43	27.17
Bonds	15.09	8.96
Cash	2.22	0.78
Other	0.05	11.44
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	50.34	50.34	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	33.21	83.55	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	10.91	94.46	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	4.80	99.25	-	-
⊖ Mktliq 12/31/2049	-	0.76	100.01	-	-
⊕ Us Dollar	-	0.01	100.02	-	-

**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  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz 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 11.61 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 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.

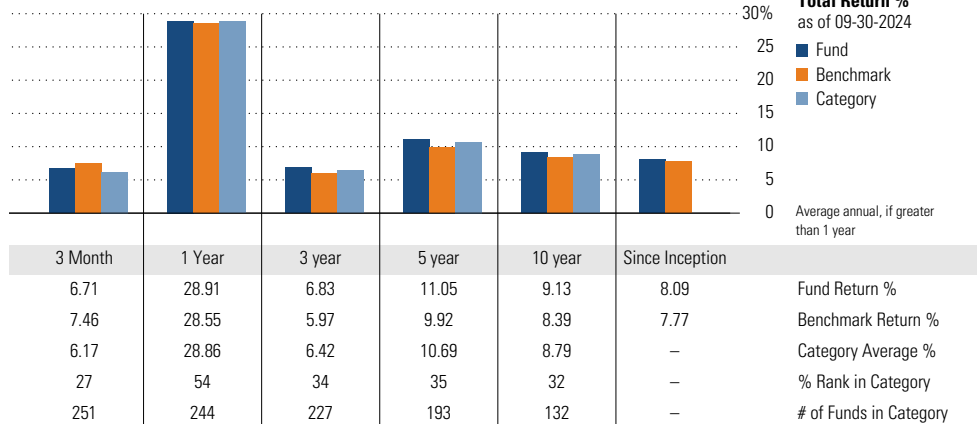
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

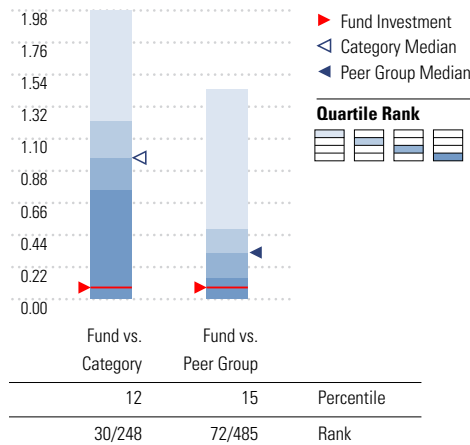
## Growth of \$10,000



## 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	1.00	-	0.58
Beta	0.96	-	0.98
R-Squared	98.78	-	98.21
Standard Deviation	15.68	16.21	15.99
Sharpe Ratio	0.26	0.20	0.23
Tracking Error	1.84	-	2.18
Information Ratio	0.47	-	0.21
Up Capture Ratio	98.65	-	99.18
Down Capture Ratio	94.57	-	96.89

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.43	20.44	21.41
Price/Book Ratio	2.68	2.63	2.91
Avg Eff Duration	6.38	-	7.99

# Vanguard Target Retirement 2050 Fund VFIFX

**Morningstar Category**  
Target-Date 2050

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

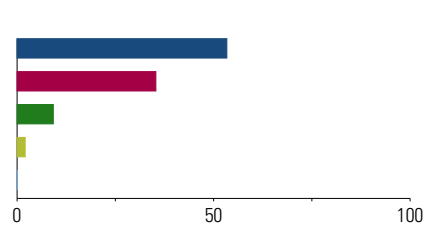
**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**



**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	53.37	54.68
Non-US Stocks	35.31	28.46
Bonds	9.21	5.97
Cash	2.05	0.64
Other	0.06	10.24
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.50	53.50	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	36.17	89.67	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.61	96.28	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.98	99.26	-	-
⊖ Mktliq 12/31/2049	-	0.74	100.00	-	-
⊖ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 6**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2055 Fund VFFVX

**Morningstar Category**  
Target-Date 2055

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
Aurélie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz 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 11.61 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 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	08-31-2024
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	1.02	-	0.69
Beta	0.96	-	0.98
R-Squared	98.74	-	98.17
Standard Deviation	15.69	16.29	16.14
Sharpe Ratio	0.26	0.20	0.24
Tracking Error	1.89	-	2.21
Information Ratio	0.45	-	0.25
Up Capture Ratio	98.29	-	99.89
Down Capture Ratio	94.15	-	97.19

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.43	20.29	21.35
Price/Book Ratio	2.68	2.60	2.88
Avg Eff Duration	6.38	-	9.27

# Vanguard Target Retirement 2055 Fund VFFVX

**Morningstar Category**  
Target-Date 2055

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

**Style Analysis** as of 09-30-2024  
Morningstar Style Box™



**Style Breakdown**

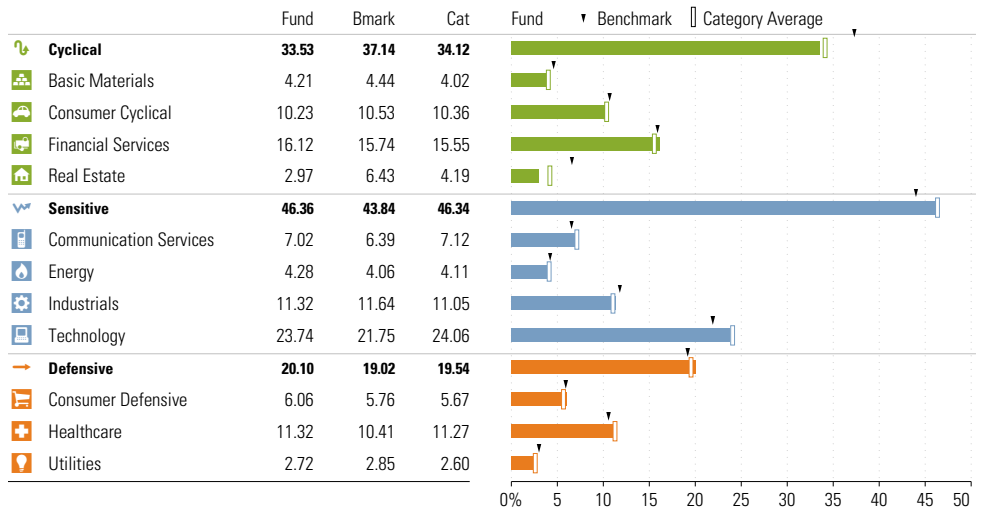


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	53.41	54.28
Non-US Stocks	35.26	27.77
Bonds	9.30	5.49
Cash	1.97	0.68
Other	0.06	11.80
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Top 6 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.53	53.53	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	36.12	89.66	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.68	96.34	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	3.00	99.34	-	-
⊕ Mktliq 12/31/2049	-	0.67	100.00	-	-
⊕ Us Dollar	-	0.00	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-Diaz 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 11.61 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 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.

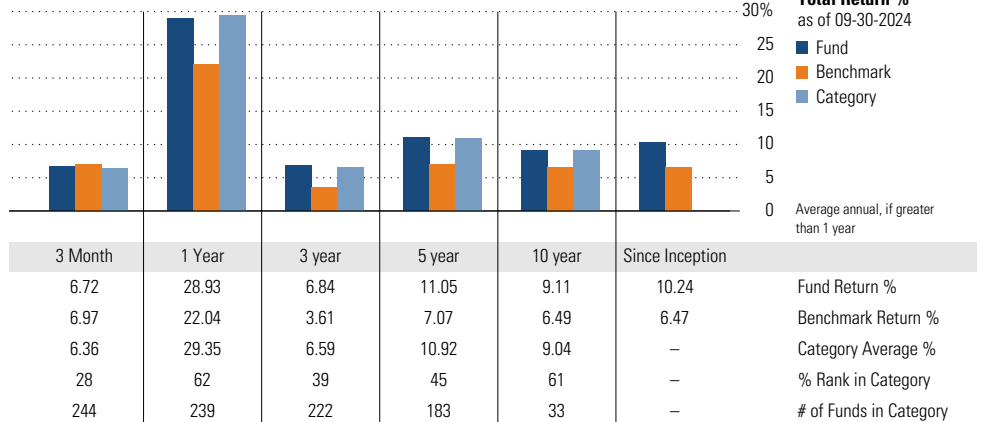
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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	2.51	-	2.25
Beta	1.23	-	1.27
R-Squared	97.46	-	96.22
Standard Deviation	15.67	12.57	16.23
Sharpe Ratio	0.26	0.04	0.24
Tracking Error	3.83	-	4.60
Information Ratio	0.84	-	0.65
Up Capture Ratio	133.43	-	136.46
Down Capture Ratio	120.80	-	125.44

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.42	19.85	21.33
Price/Book Ratio	2.68	2.47	2.88
Avg Eff Duration	6.38	-	8.54

# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

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

## Style Analysis as of 09-30-2024

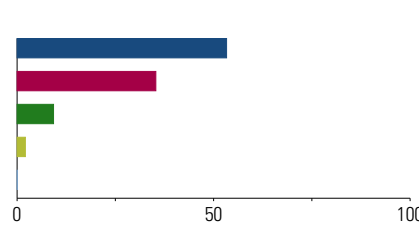
Morningstar Style Box™



## Style Breakdown

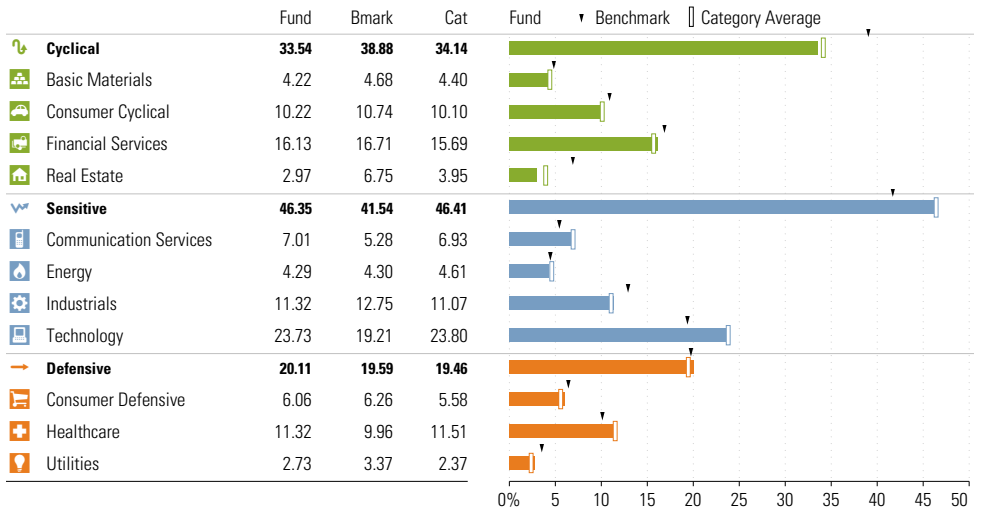


## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	53.30	54.01
Non-US Stocks	35.30	29.75
Bonds	9.27	5.27
Cash	2.10	0.29
Other	0.06	10.67
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## Top 6 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.42	53.42	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	36.16	89.58	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.64	96.22	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.99	99.22	-	-
⊖ Mktliq 12/31/2049	-	0.77	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  
Aur lie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz since 02-2023

## Quantitative Screens

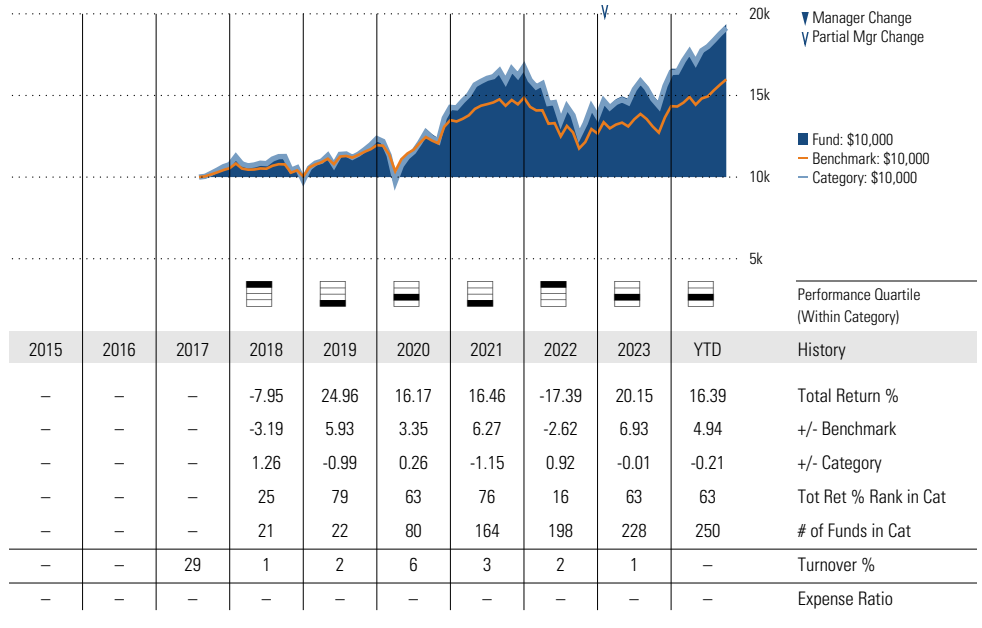
✔ **Performance:** The fund has finished in the Target-Date 2065+ category's top three quartiles in 5 of the 7 years it's been in existence.

✔ **Management:** The fund's management has been in place for 7.22 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 86.44% lower than the Target-Date 2065+ category average.

## Growth of \$10,000



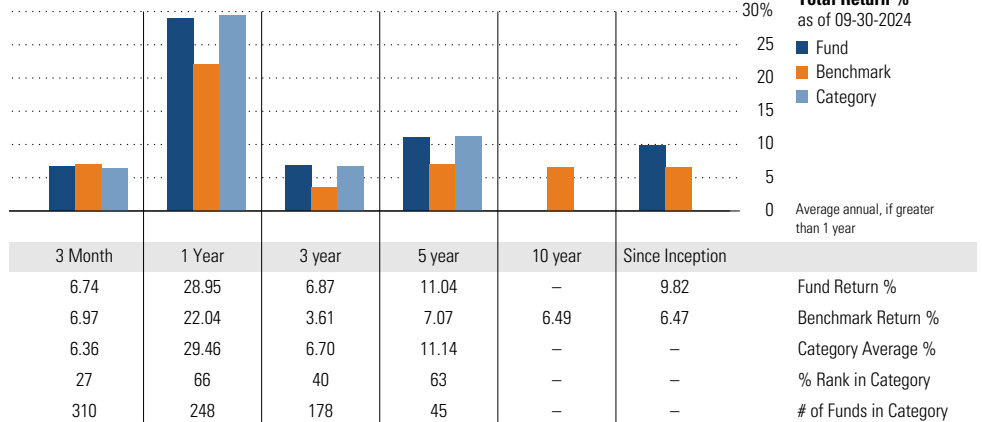
## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
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	2.54	-	2.62
Beta	1.23	-	1.27
R-Squared	97.46	-	95.61
Standard Deviation	15.66	12.57	16.71
Sharpe Ratio	0.26	0.04	0.25
Tracking Error	3.82	-	5.15
Information Ratio	0.85	-	0.65
Up Capture Ratio	133.41	-	137.26
Down Capture Ratio	120.63	-	124.86

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.41	19.85	20.90
Price/Book Ratio	2.67	2.47	2.76
Avg Eff Duration	6.38	-	8.96

# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

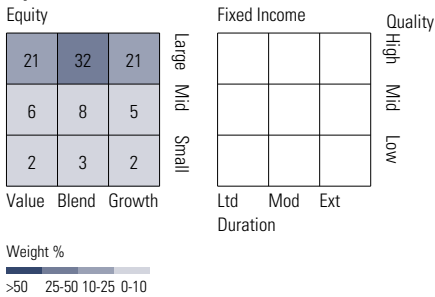
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 09-30-2024

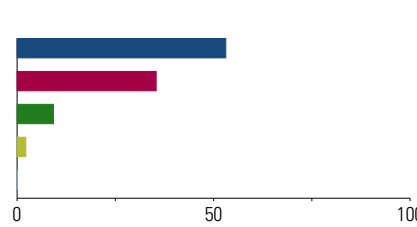
Morningstar Style Box™



## Style Breakdown

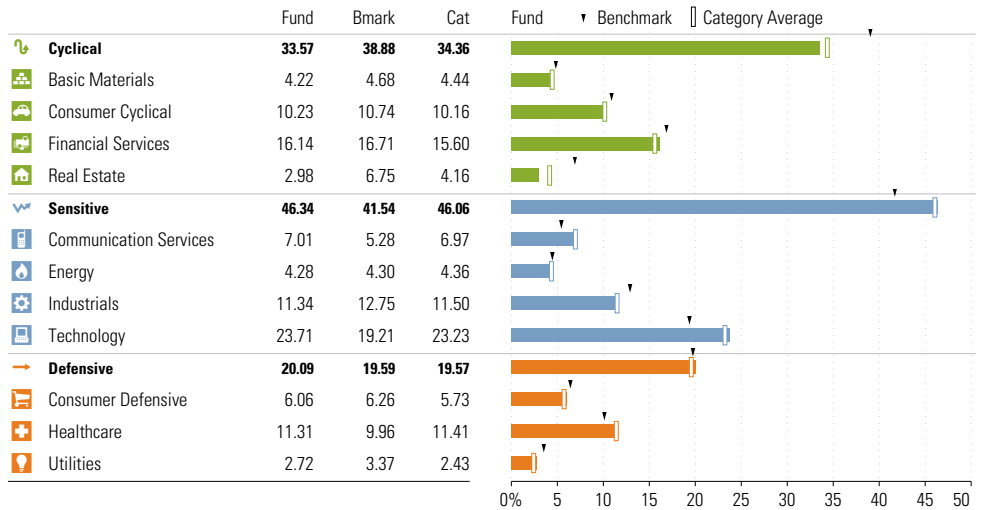


## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	53.10	47.56
Non-US Stocks	35.38	30.61
Bonds	9.24	5.75
Cash	2.22	0.98
Other	0.06	15.09
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## Top 6 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	53.23	53.23	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	36.25	89.47	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.63	96.10	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.99	99.09	-	-
⊕ Mktliq 12/31/2049	-	0.86	99.95	-	-
⊕ Us Dollar	-	0.05	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-Diaz 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 86.44% lower than the Target-Date 2065+ category average.

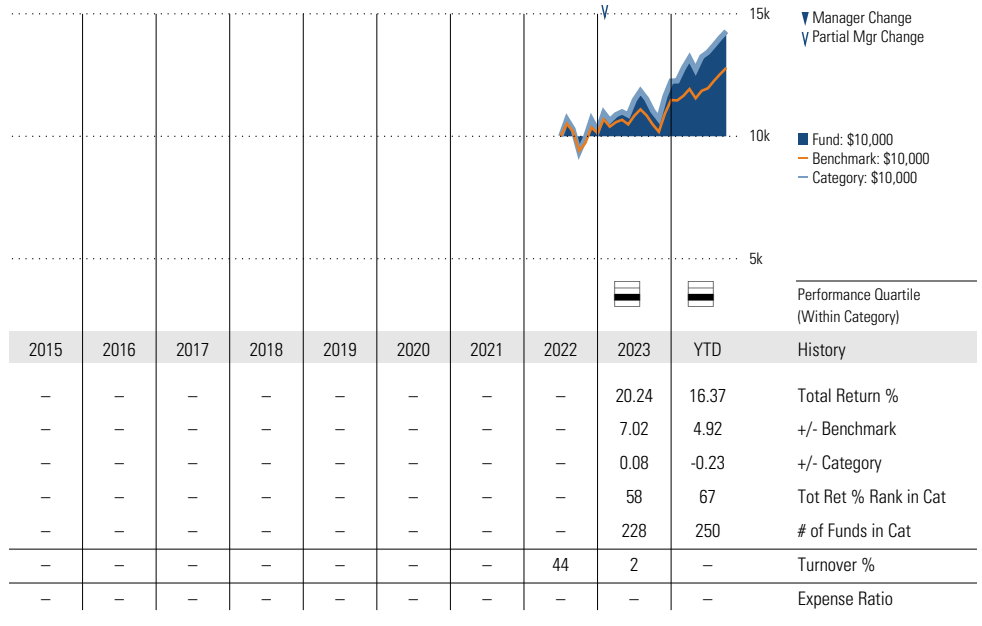
## Morningstar Investment Management LLC Analysis

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

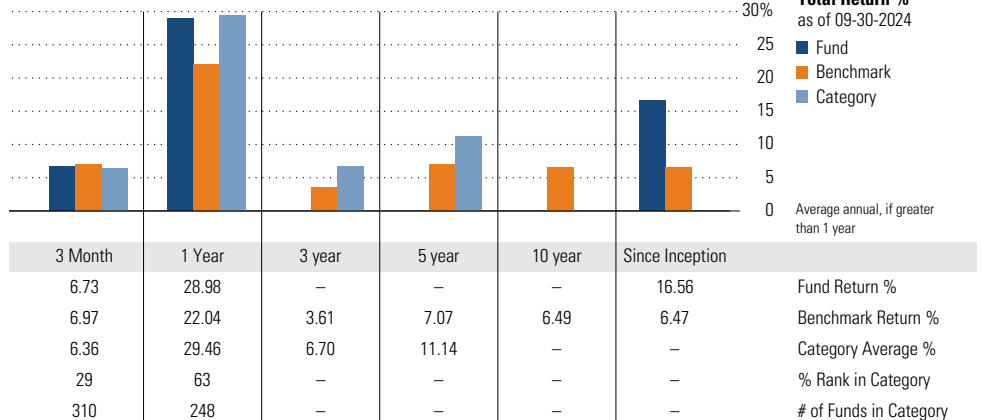
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2024
Carbon Risk Score	Low Risk	12-31-2022

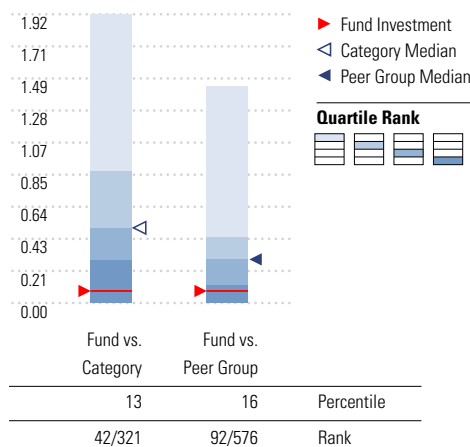
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-	-	2.62
Beta	-	-	1.27
R-Squared	-	-	95.61
Standard Deviation	-	12.57	16.71
Sharpe Ratio	-	0.04	0.25
Tracking Error	-	-	5.15
Information Ratio	-	-	0.65
Up Capture Ratio	-	-	137.26
Down Capture Ratio	-	-	124.86

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.48	19.85	20.90
Price/Book Ratio	2.69	2.47	2.76
Avg Eff Duration	6.39	-	8.96

# Vanguard Target Retirement 2070 Fund VSVNX

**Morningstar Category**  
Target-Date 2065+

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

## Style Analysis as of 09-30-2024

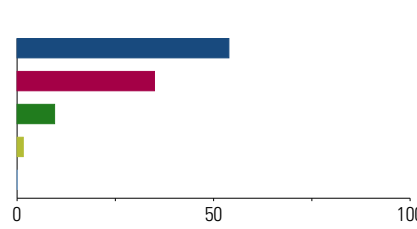
Morningstar Style Box™



## Style Breakdown

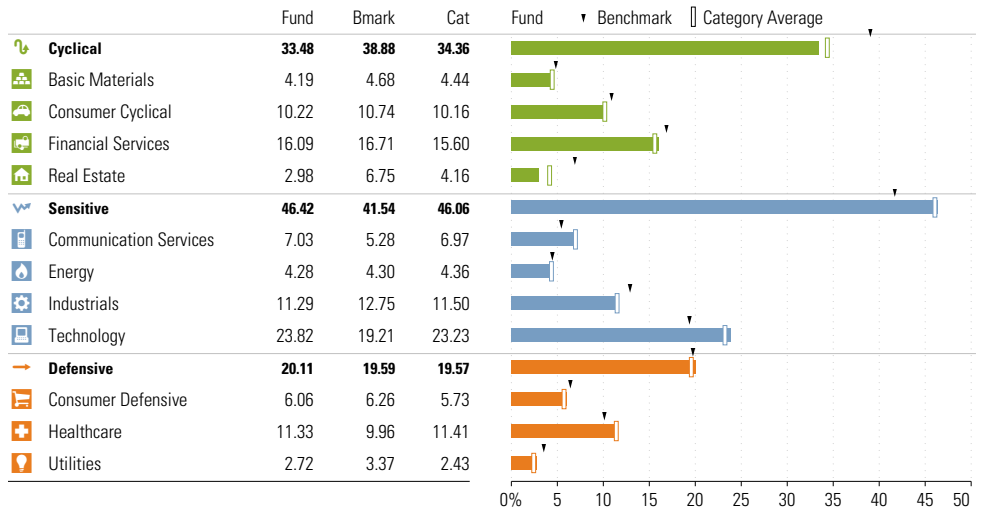


## Asset Allocation as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	53.89	47.56
Non-US Stocks	34.95	30.61
Bonds	9.54	5.75
Cash	1.57	0.98
Other	0.05	15.09
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 09-30-2024



## Top 6 Holdings as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Instl Pls	-	54.02	54.02	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.79	89.81	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.96	96.77	-	-
⊕ Vanguard Total Intl Bd II Idx Instl	-	2.98	99.75	-	-
⊕ Mktliq 12/31/2049	-	0.16	99.91	-	-
⊕ Us Dollar	-	0.09	100.00	-	-

## Total Holdings 6

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement Income Fund VTINX

**Morningstar Category**  
Target-Date Retirement

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
Aur lie Denis since 02-2023  
Michael Roach since 02-2023  
Roger Aliaga-Diaz 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 11.61 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 85.45% lower than the Target-Date Retirement category average.

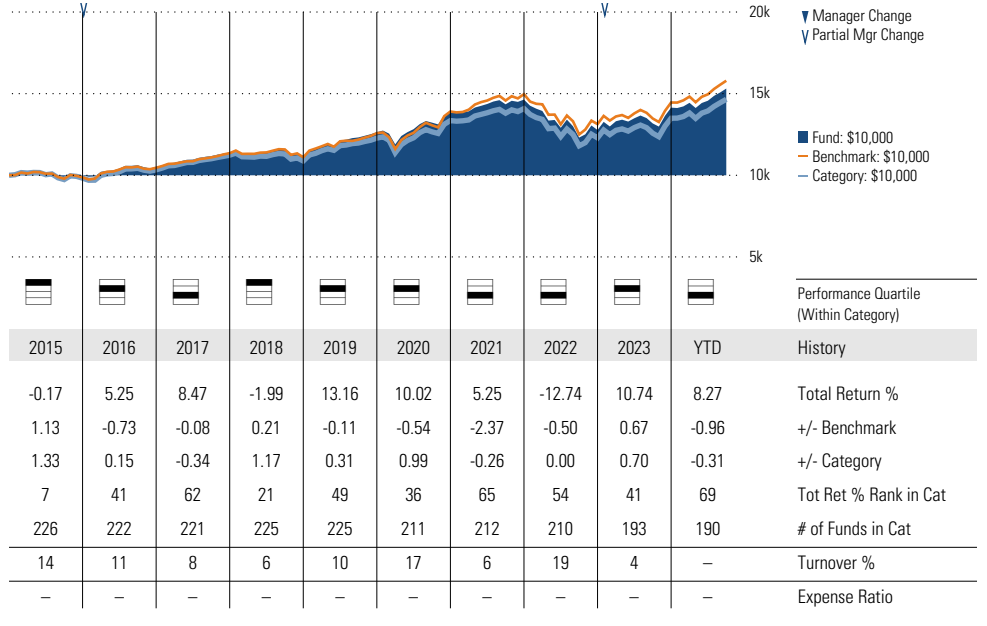
## Morningstar Investment Management LLC Analysis

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.

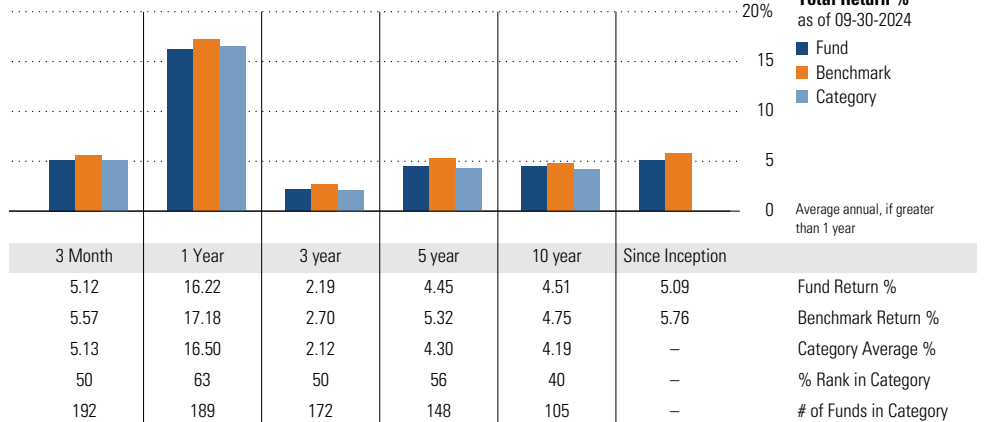
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2024
ESG Commitment	1-Low	02-15-2022

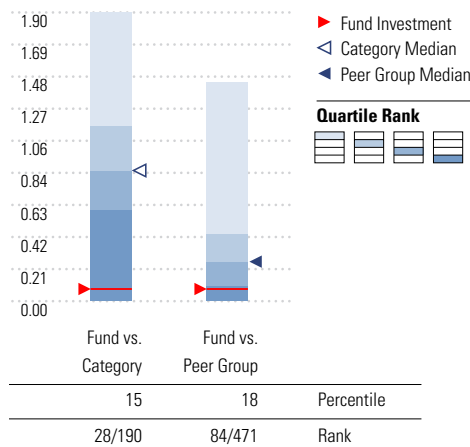
## Growth of \$10,000



## 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	-	-0.49
Beta	0.94	-	0.98
R-Squared	97.99	-	97.01
Standard Deviation	8.72	9.22	9.18
Sharpe Ratio	-0.15	-0.08	-0.15
Tracking Error	1.37	-	1.77
Information Ratio	-0.37	-	-0.36
Up Capture Ratio	93.37	-	97.18
Down Capture Ratio	96.13	-	101.07

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.37	22.08	21.46
Price/Book Ratio	2.67	2.94	2.78
Avg Eff Duration	5.42	-	6.11

# Vanguard Target Retirement Income Fund VTINX

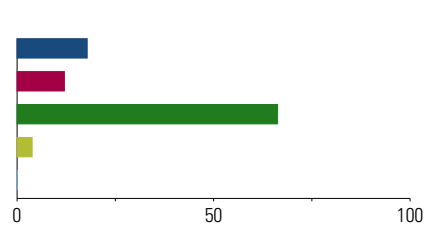
**Morningstar Category**  
Target-Date Retirement

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

**Style Analysis** as of 09-30-2024  
Morningstar Style Box™

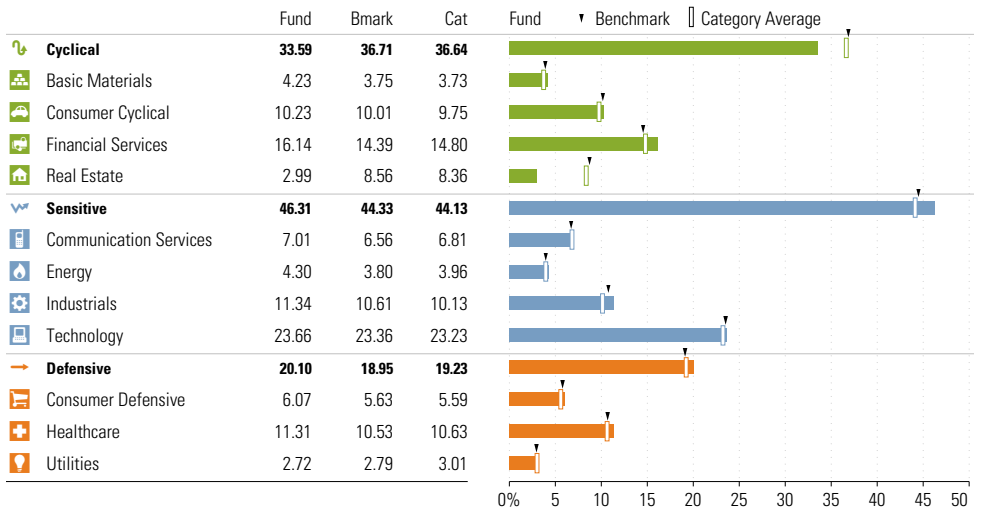


**Asset Allocation** as of 09-30-2024



Asset Class	Net %	Cat%
US Stocks	17.83	20.61
Non-US Stocks	12.03	9.30
Bonds	66.28	53.39
Cash	3.82	3.87
Other	0.06	12.84
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 09-30-2024



**Style Breakdown**



**Top 7 Holdings** as of 09-30-2024

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	—	36.46	36.46	—	—
⊖ Vanguard Total Stock Mkt Idx Instl Pls	—	17.87	54.33	—	—
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Adm	—	16.75	71.08	—	—
⊖ Vanguard Total Intl Bd II Idx Instl	—	15.86	86.94	—	—
⊖ Vanguard Total Intl Stock Index Inv	—	12.32	99.26	—	—
⊖ Mktliq 12/31/2049	—	0.72	99.98	—	—
⊕ Us Dollar	—	0.02	100.00	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio