

# American Funds American Balanced R6 RLBGX

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

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 23.01 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 0.26 is 74.76% lower than the Allocation--50% to 70% Equity category average.

## Morningstar Investment Management LLC Analysis

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

## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

## Growth of \$10,000



Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	Performance Quartile (Within Category)
Fund	14.57	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	11.22	16.11	History
Benchmark	3.10	5.59	1.65	1.67	1.30	1.56	1.24	-0.78	-3.04	3.74	Total Return %
Category	2.85	5.64	3.01	3.96	1.56	2.63	3.34	0.32	-0.50	2.22	+/- Benchmark
Management	9	5	16	3	20	15	8	48	57	28	+/- Category
Funds in Cat	746	786	758	806	759	735	751	725	698	711	Tot Ret % Rank in Cat
Turnover %	54	55	68	82	79	95	72	104	176	-	# of Funds in Cat
Expense Ratio	-	-	0.29	0.29	0.29	0.28	0.28	0.27	0.26	-	Turnover %

## Trailing Performance



Period	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 12-31-2021
Fund	6.54	16.11	15.58	11.78	11.47	12.10	Fund Return %
Benchmark	4.74	12.37	15.61	11.21	9.88	6.37	Benchmark Return %
Category	4.79	13.89	14.85	10.39	9.33	-	Category Average %
Rank	20	28	41	24	10	-	% Rank in Category
Funds in Cat	736	711	666	602	434	-	# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.74	-	-1.41
Beta	0.95	-	1.06
R-Squared	96.69	-	93.55
Standard Deviation	10.34	10.74	11.83
Sharpe Ratio	1.37	1.33	1.19
Tracking Error	1.96	-	3.15
Information Ratio	-0.01	-	-0.19
Up Capture Ratio	98.32	-	101.24
Down Capture Ratio	95.81	-	110.25

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.89	21.51	22.00
Price/Book Ratio	3.86	3.35	3.43
Avg Eff Duration	6.32	6.36	5.11

# American Funds American Balanced R6 RLBGX

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

**Morningstar Index**

Morningstar US Mod Tgt Alloc NR USD

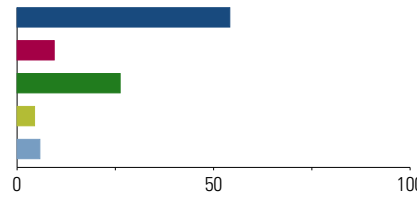
Equity

## Style Analysis as of 12-31-2021

Morningstar Style Box™

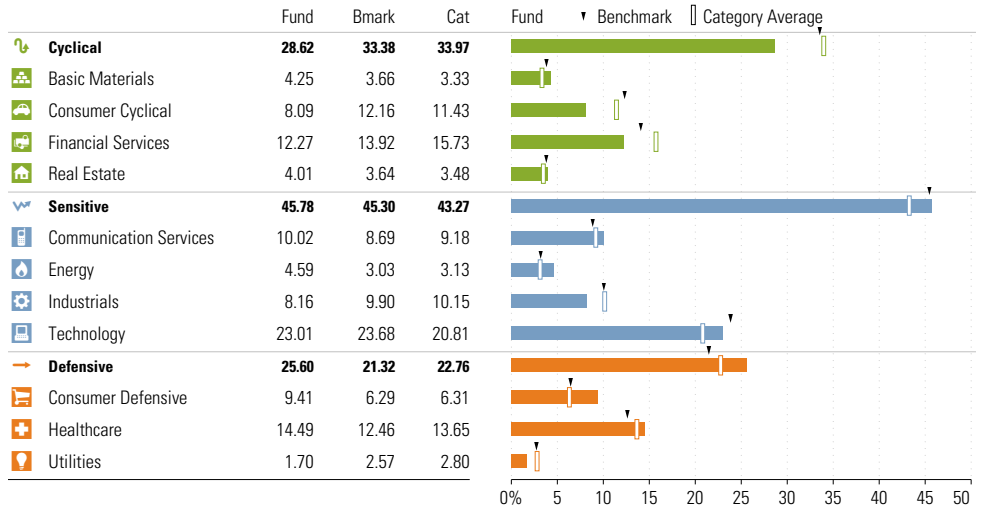


## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	54.12	48.87
Non-US Stocks	9.44	11.39
Bonds	26.22	31.64
Cash	4.44	5.03
Other	5.79	3.06
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## Style Breakdown



## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	—	6.46	6.46	—	—
Cap Grp Cent Fd Ser Ii	—	5.18	11.64	—	—
Microsoft Corp	—	4.42	16.05	52.24	Technology
Broadcom Inc	—	3.18	19.23	55.38	Technology
UnitedHealth Group Inc	—	2.31	21.54	44.79	Healthcare
✱ Cash And Other Assets Less Liabilities	—	2.21	23.75	—	—
Philip Morris International Inc	—	1.68	25.43	20.67	Consumer Defensive
Taiwan Semiconductor Manufacturing Co Ltd ADR	—	1.52	26.95	11.70	Technology
The Home Depot Inc	—	1.51	28.47	58.73	Consumer Cyclical
United States Treasury Notes 0.127%	10-2026	1.42	29.88	—	—

**Total Holdings 1869**

⊕ 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)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 13.26 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 42.55% lower than the Foreign Large Blend 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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

## 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	0.60	-	0.94
Beta	1.10	-	1.00
R-Squared	97.98	-	94.25
Standard Deviation	18.84	17.03	17.48
Sharpe Ratio	0.79	0.76	0.80
Tracking Error	3.13	-	4.25
Information Ratio	0.57	-	0.25
Up Capture Ratio	109.94	-	101.95
Down Capture Ratio	107.43	-	98.67

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.40	15.08	16.26
Price/Book Ratio	2.15	1.88	1.95
Geom Avg Mkt Cap \$B	55.02	47.47	56.01
ROE	19.45	17.76	18.41

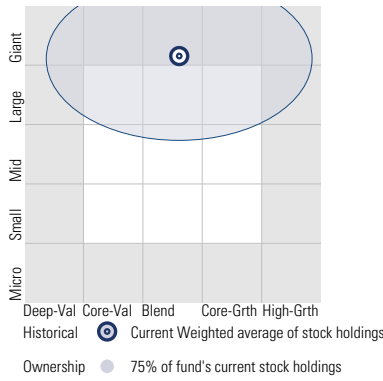
# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

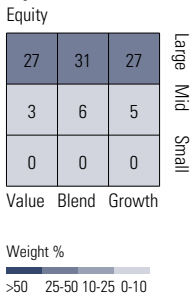
**Morningstar Index**  
MSCI ACWI Ex USA NR USD

## Style Analysis as of 12-31-2021

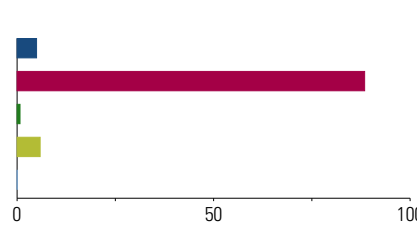
Morningstar Style Box™



## Style Breakdown

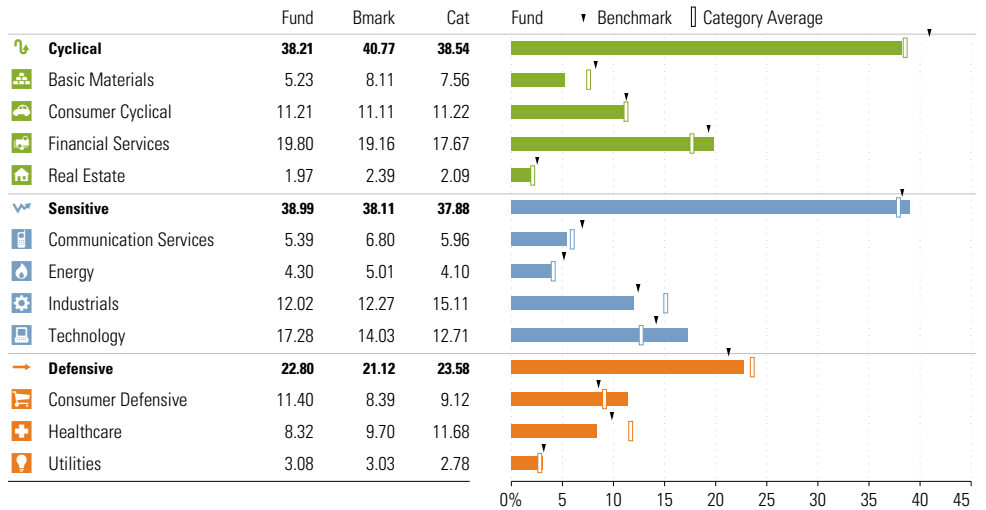


## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	4.95	2.90
Non-US Stocks	88.43	95.06
Bonds	0.74	0.37
Cash	5.86	0.99
Other	0.02	0.66
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## World Regions % Equity 12-31-2021



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	30.07	35.68	Americas	12.73	8.02	Greater Europe	57.20	56.30	Developed Markets	83.84
Japan	6.16	19.04	North America	9.33	7.05	United Kingdom	13.02	12.54	Emerging Markets	16.16
Australasia	0.62	4.55	Central/Latin	3.40	0.97	W euro-ex UK	41.00	42.20	Not Available	0.00
Asia-4 Tigers	13.65	6.95				Emrgng Europe	2.79	0.63		
Asia-ex 4 Tigers	9.64	5.14				Africa	0.39	0.93		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	6.27	6.27	—	—
⊕ Taiwan Semiconductor Manufacturing Co Ltd	3.88	10.16	18.02	Technology
⊖ ASML Holding NV	2.41	12.56	78.48	Technology
⊖ AstraZeneca PLC	2.17	14.73	21.25	Healthcare
⊖ British American Tobacco PLC	2.00	16.74	8.90	Consumer Defensive
⊕ Tokyo Electron Ltd	1.89	18.62	74.76	Technology
⊕ Airbus SE	1.65	20.27	25.15	Industrials
⊖ Evolution AB	1.60	21.87	54.65	Consumer Cyclical
⊖ Philip Morris International Inc	1.38	23.25	20.67	Consumer Defensive
⊖ AXA SA	1.30	24.56	41.53	Financial Services

**Total Holdings 265**

⊕ 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
- Nicholas Grace since 01-2008
- Christopher Thomsen since 01-2009
- Winnie Kwan since 01-2009
- Tomonori Tani since 10-2013
- Jonathan Knowles since 01-2016
- Bradford Freer since 01-2017
- Lisa Thompson since 10-2019
- Kirstie Spence since 12-2019
- Piyada Phanaphat since 01-2021
- Akira Shiraishi since 01-2021
- Dawid Justus since 01-2022

## 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 22.56 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 52.1% lower than the Diversified Emerging Mkts category average.

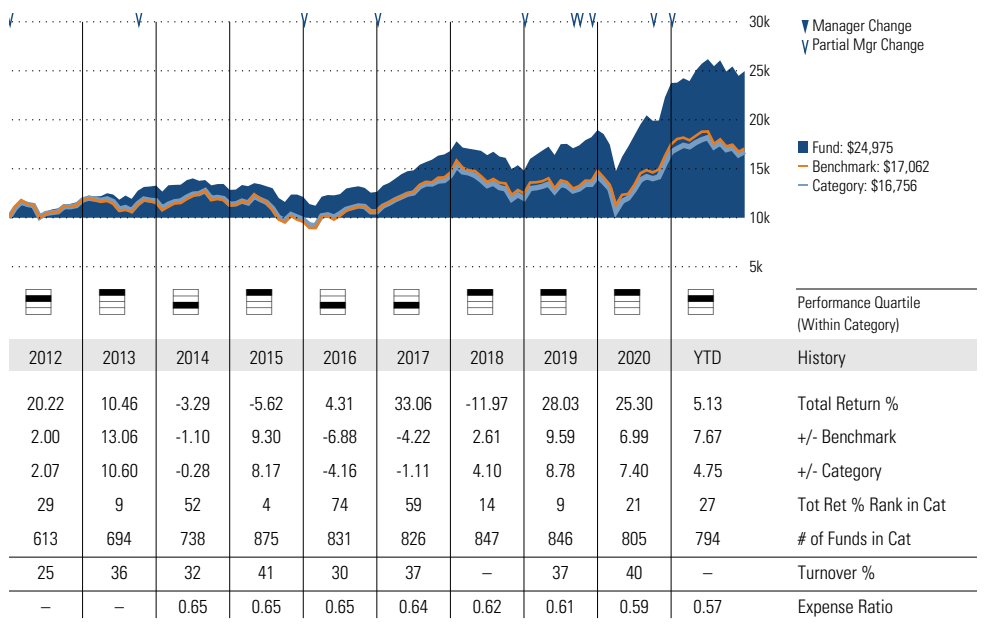
## Morningstar Investment Management LLC Analysis

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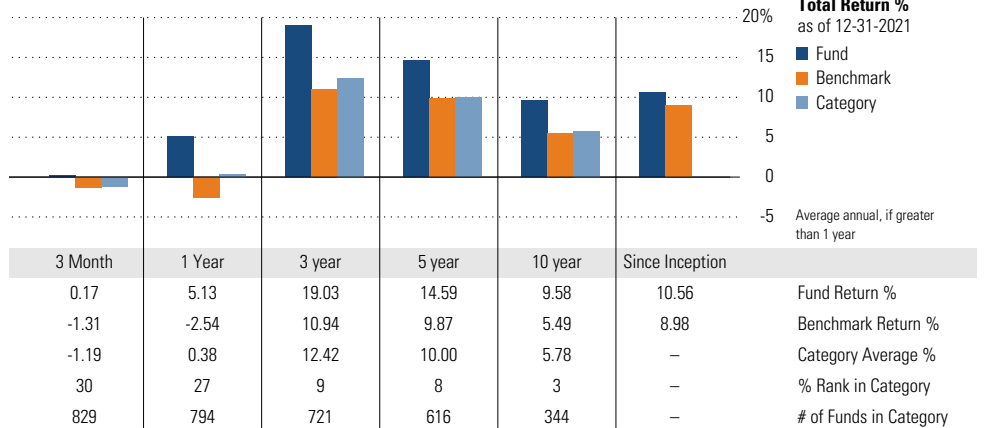
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

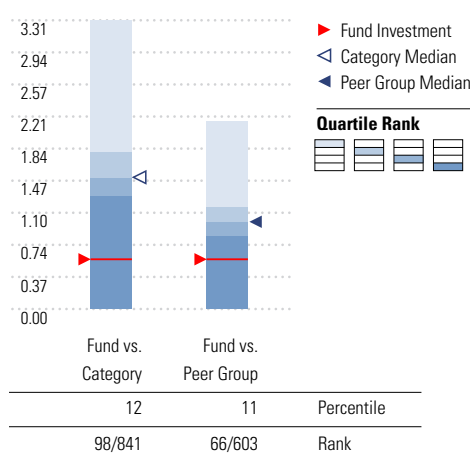
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	8.34	-	1.96
Beta	0.88	-	0.99
R-Squared	87.38	-	90.38
Standard Deviation	17.60	18.59	19.41
Sharpe Ratio	1.03	0.61	0.68
Tracking Error	6.61	-	5.81
Information Ratio	1.22	-	0.30
Up Capture Ratio	108.75	-	102.20
Down Capture Ratio	77.83	-	95.08

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	21.24	12.49	14.48
Price/Book Ratio	3.38	1.84	2.32
Geom Avg Mkt Cap \$B	66.76	43.97	53.07
ROE	20.37	18.03	18.99

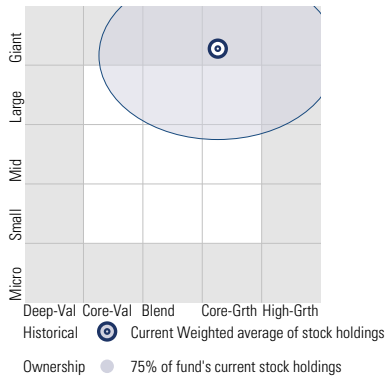
# American Funds New World R6 RNWGX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 12-31-2021

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	24.97	3.29
Non-US Stocks	67.91	94.33
Bonds	2.55	-0.03
Cash	4.27	2.27
Other	0.30	0.14
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>37.47</b>	<b>42.89</b>	<b>41.50</b>			
Basic Materials	8.62	8.51	6.37			
Consumer Cyclical	12.38	13.12	13.94			
Financial Services	14.96	19.34	19.72			
Real Estate	1.51	1.92	1.47			
<b>Sensitive</b>	<b>41.22</b>	<b>44.69</b>	<b>45.46</b>			
Communication Services	9.24	11.12	11.22			
Energy	3.35	5.66	4.95			
Industrials	8.58	5.08	5.52			
Technology	20.05	22.83	23.77			
<b>Defensive</b>	<b>21.32</b>	<b>12.41</b>	<b>13.04</b>			
Consumer Defensive	5.77	5.66	6.81			
Healthcare	13.72	4.41	4.93			
Utilities	1.83	2.34	1.30			

## World Regions % Equity 12-31-2021



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	39.39	73.88	Americas	37.45	12.03	Greater Europe	23.15	14.08	Developed Markets	61.07
Japan	2.94	0.13	North America	28.88	3.05	United Kingdom	2.55	0.83	Emerging Markets	38.93
Australasia	0.88	0.05	Central/Latin	8.57	8.98	W euro-ex UK	17.20	2.29	Not Available	0.00
Asia-4 Tigers	8.05	27.34				Emrgng Europe	1.79	6.62		
Asia-ex 4 Tigers	27.52	46.36				Africa	1.61	4.34		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	4.21	4.21	-	-
Microsoft Corp	3.17	7.39	52.24	Technology
Taiwan Semiconductor Manufacturing Co Ltd	2.04	9.43	18.02	Technology
Reliance Industries Ltd	1.90	11.33	19.60	Energy
Kotak Mahindra Bank Ltd	1.79	13.12	-9.96	Financial Services
Kweichow Moutai Co Ltd Class A	1.53	14.65	3.47	Consumer Defensive
Silergy Corp	1.43	16.08	108.94	Technology
MercadoLibre Inc	1.36	17.44	-19.51	Consumer Cyclical
Thermo Fisher Scientific Inc	1.27	18.71	43.48	Healthcare
Alphabet Inc Class C	1.26	19.97	65.17	Communication Svc

**Total Holdings 562**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

**Morningstar Index**  
BBgBarc 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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 21.27 years.

Style Consistency is not calculated for Fixed Income funds.

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

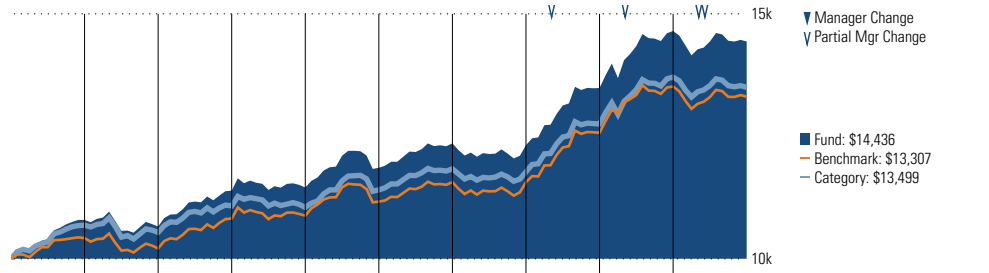
## Morningstar Investment Management LLC Analysis

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## ESG Metrics

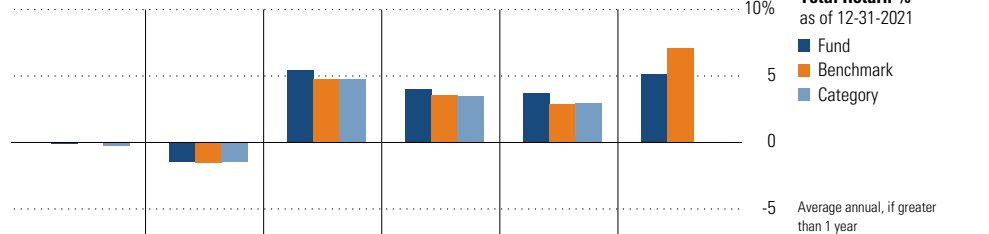
Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021

## Growth of \$10,000



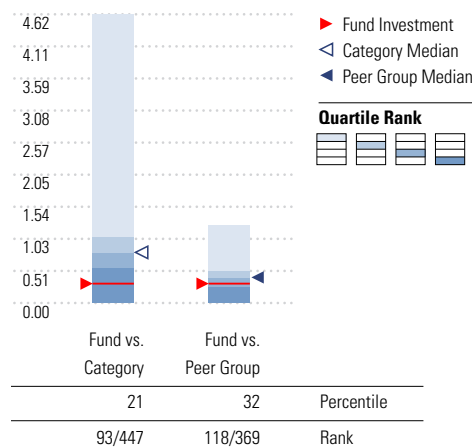
	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	Performance Quartile (Within Category)
	7.92	-1.25	6.89	0.55	3.52	4.20	-0.30	9.48	8.63	-1.46	History
	3.71	0.77	0.92	0.00	0.87	0.66	-0.31	0.76	1.12	0.08	Total Return %
	0.91	0.17	1.71	0.81	0.29	0.49	0.20	1.42	1.11	0.02	+/- Benchmark
	34	36	8	22	37	31	41	15	22	40	+/- Category
	531	540	477	490	453	449	427	434	420	426	Tot Ret % Rank in Cat
	64	28	32	40	36	28	24	31	35	-	# of Funds in Cat
	-	-	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-	Turnover %
	-	-	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
	-0.10	-1.46	5.43	4.01	3.74	5.16	Fund Return %
	0.01	-1.54	4.79	3.57	2.90	7.11	Benchmark Return %
	-0.24	-1.48	4.81	3.47	2.95	-	Category Average %
	29	40	20	13	9	-	% Rank in Category
	442	426	389	351	256	-	# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.22	-	0.04
Beta	1.09	-	1.01
R-Squared	91.63	-	84.77
Standard Deviation	3.86	3.40	3.75
Sharpe Ratio	1.20	1.18	1.09
Tracking Error	1.15	-	1.45
Information Ratio	0.55	-	-0.09
Up Capture Ratio	113.05	-	104.26
Down Capture Ratio	112.92	-	109.91

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.78	4.43	6.27
Avg Eff Maturity	8.49	-	7.77

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

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

**Style Analysis** as of 12-31-2021

**Style Breakdown**



**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	92.76	95.78
Cash	3.22	1.97
Other	4.03	2.20
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	59.10	3.53	46.66
AA	3.40	74.59	11.82
A	13.60	10.82	22.68
BBB	23.20	8.32	15.84
BB	0.70	0.28	1.55
B	0.00	0.00	0.51
Below B	0.00	0.00	0.23
Not Rated	0.00	2.46	0.72

**Sector Weighting** as of 12-31-2021



**Top 10 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Bonds 2.5%	02-2045	4.24	4.24	-
⊕ United States Treasury Notes 0.38%	07-2024	3.69	7.92	-
⊖ United States Treasury Bonds 2.88%	05-2043	3.60	11.52	-
⊕ United States Treasury Notes 2.25%	11-2025	3.13	14.66	-
⊖ First American Government Obligs U	02-2030	3.01	17.66	-
⊖ United States Treasury Notes 2%	11-2026	2.98	20.65	-
⊖ United States Treasury Notes 2.25%	11-2027	2.74	23.38	-
⊕ United States Treasury Bonds 1.38%	11-2040	2.12	25.50	-
⊖ United States Treasury Notes 2.5%	05-2024	2.09	27.59	-
⊕ United States Treasury Notes 1.13%	08-2028	1.66	29.26	-

**Total Holdings 1520**

⊕ 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 9.85 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 0.39 is 66.67% lower than the Small Value category average.

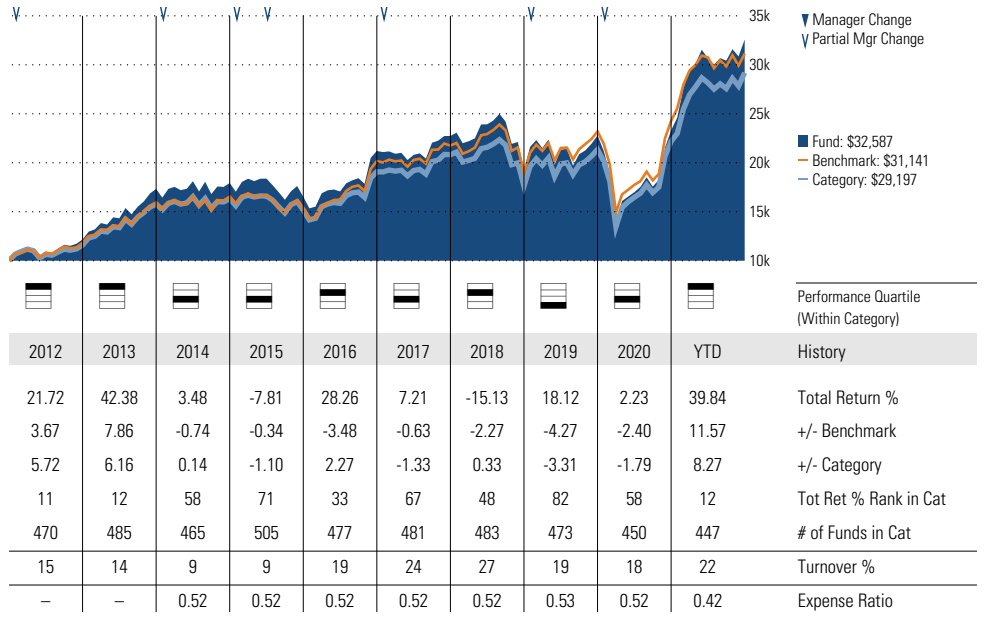
## Morningstar Investment Management LLC Analysis

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

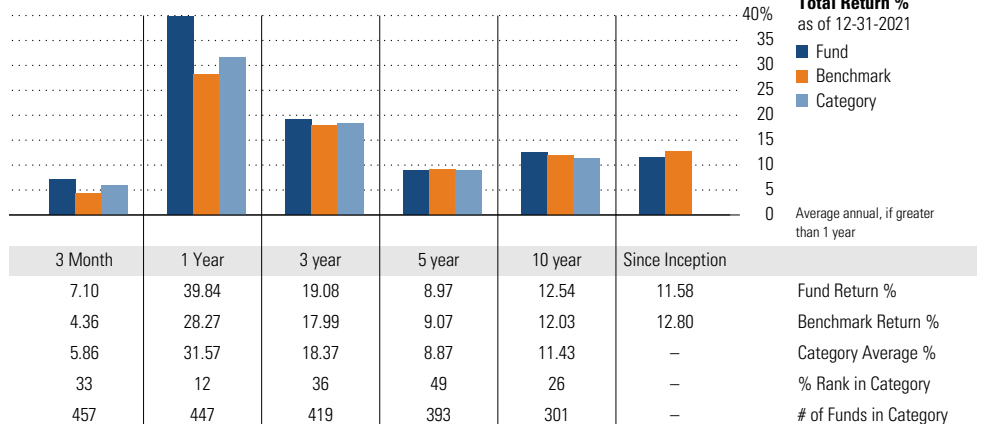
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	11-30-2021

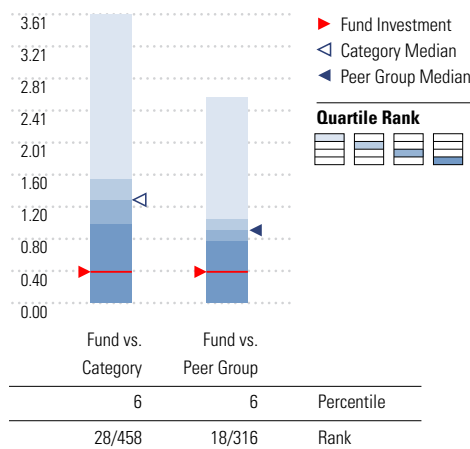
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.24	-	0.44
Beta	1.10	-	1.01
R-Squared	97.77	-	95.25
Standard Deviation	28.18	25.35	26.37
Sharpe Ratio	0.74	0.75	0.75
Tracking Error	4.90	-	6.12
Information Ratio	0.22	-	0.09
Up Capture Ratio	111.56	-	102.29
Down Capture Ratio	114.37	-	101.99

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	11.63	13.35	14.51
Price/Book Ratio	1.35	1.62	1.80
Geom Avg Mkt Cap \$B	2.66	2.32	4.32
ROE	11.89	7.58	16.24

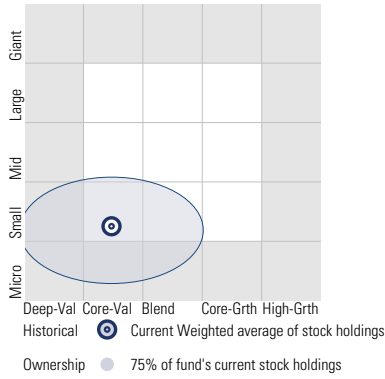
# DFA US Small Cap Value I DFSVX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 12-31-2021

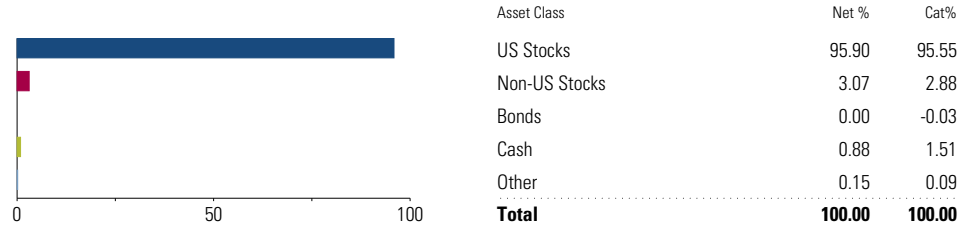
Morningstar Style Box™



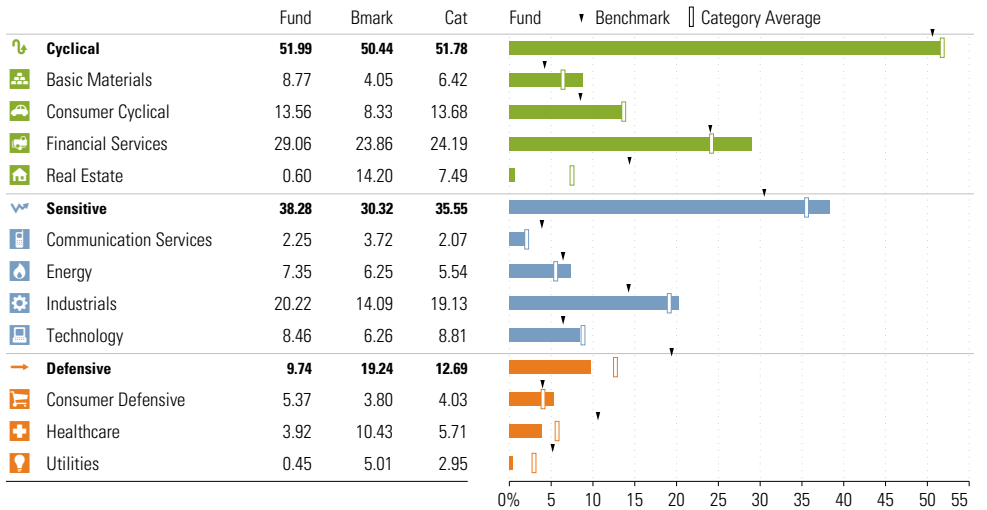
## Style Breakdown



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ S+p500 Emini Fut Mar22 Xcme 20220318	0.94	0.94	-	-
⊖ Element Solutions Inc	0.88	1.82	38.35	Basic Materials
⊖ Amkor Technology Inc	0.88	2.70	65.52	Technology
⊖ Ssc Government Mm Gvmxx Popular Inc	0.86	3.56	-	-
⊖ Acadia Healthcare Co Inc	0.72	5.01	20.77	Healthcare
WESCO International Inc	0.72	5.72	67.63	Industrials
Sterling Bancorp	0.69	6.42	44.99	Financial Services
⊖ Valley National Bancorp	0.69	7.11	45.54	Financial Services
Alcoa Corp	0.69	7.79	158.92	Basic Materials
⊖ PDC Energy Inc	0.68	8.48	141.79	Energy
⊖ Regal Rexnord Corp	0.68	9.16	45.31	Industrials
⊖ Penske Automotive Group Inc	0.68	9.84	83.53	Consumer Cyclical
Dillard's Inc Class A	0.67	10.51	313.51	Consumer Cyclical
Bank OZK	0.66	11.17	52.42	Financial Services

**Total Holdings 1026**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 24.49 years.

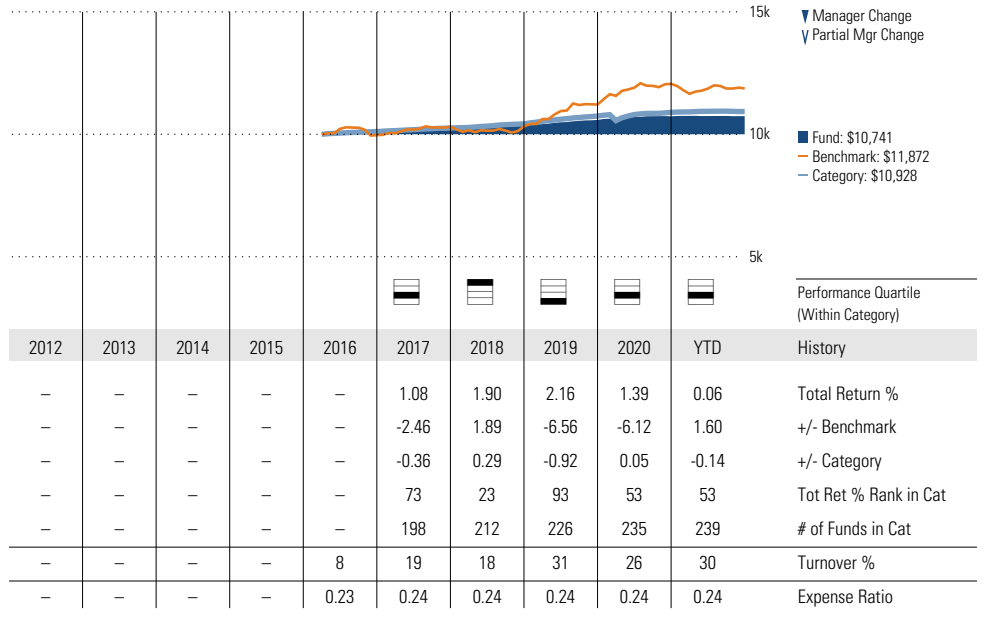
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 45.45% lower than the Ultrashort Bond category average.

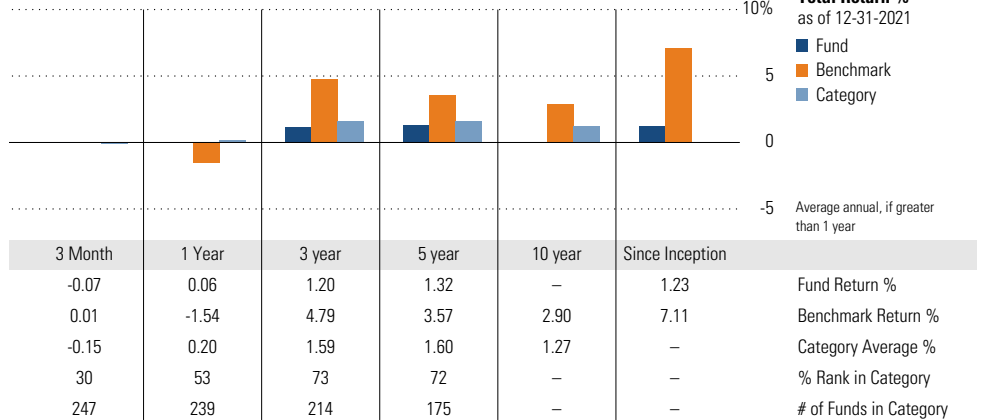
## Morningstar Investment Management LLC Analysis

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

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.84	-	0.69
Beta	0.08	-	0.18
R-Squared	23.30	-	15.42
Standard Deviation	0.53	3.40	1.81
Sharpe Ratio	0.72	1.18	0.41
Tracking Error	3.18	-	3.44
Information Ratio	-1.13	-	-0.99
Up Capture Ratio	13.76	-	26.44
Down Capture Ratio	-8.46	-	16.05

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.40	4.43	0.59
Avg Eff Maturity	3.08	-	2.49

# Federated Hermes Govt Ultrashort R6 FGULX

**Morningstar Category**  
Ultrashort Bond

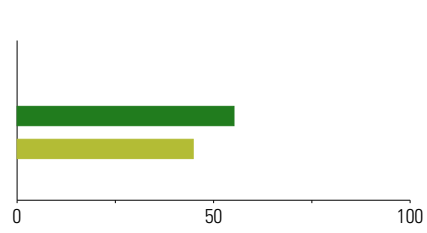
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

**Style Analysis** as of 12-31-2021

**Style Breakdown**



**Asset Allocation** as of 12-31-2021

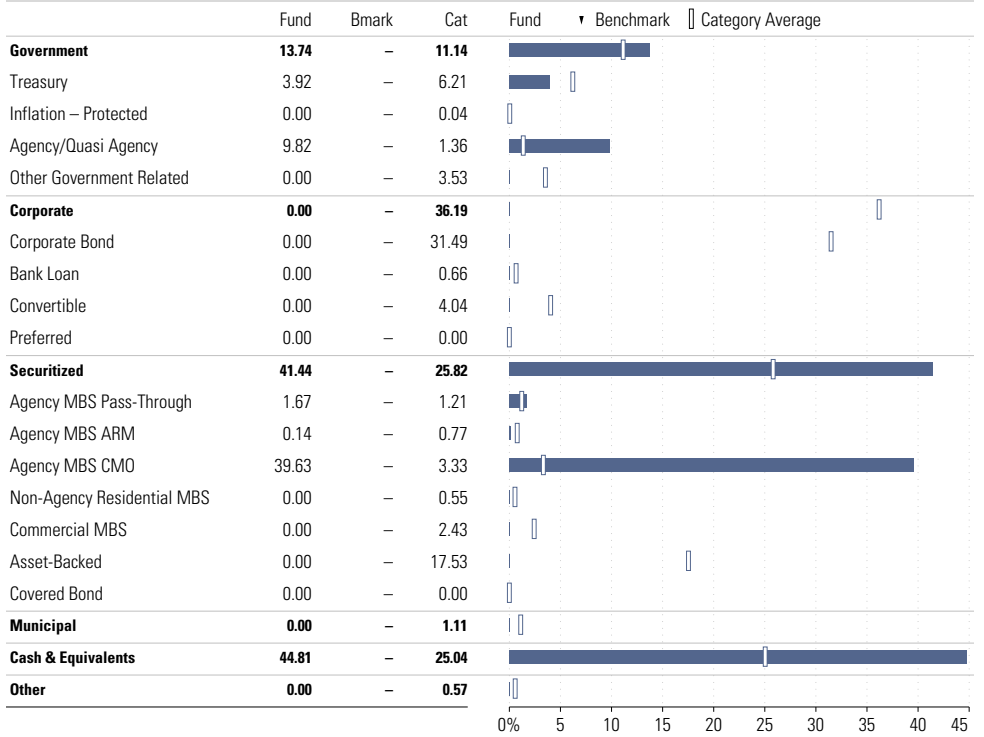


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	55.19	71.19
Cash	44.81	24.31
Other	0.00	4.50
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	42.54
AA	0.00	74.59	5.49
A	0.00	10.82	15.78
BBB	0.00	8.32	21.73
BB	0.00	0.28	1.74
B	0.00	0.00	1.81
Below B	0.00	0.00	0.46
Not Rated	0.00	2.46	10.45

**Sector Weighting** as of 12-31-2021



**Top 10 Holdings** as of 12-31-2021

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

**Total Holdings 221**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

Robert Botard since 02-2014  
Christopher McMeans since 02-2016  
Caroline Le Feuvre since 06-2020  
Peter Santoro since 03-2021

## Quantitative Screens

✔ **Performance:** The fund has finished in the Large Value category's top three quartiles in 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 7.84 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.44 is 52.69% lower than the Large Value category average.

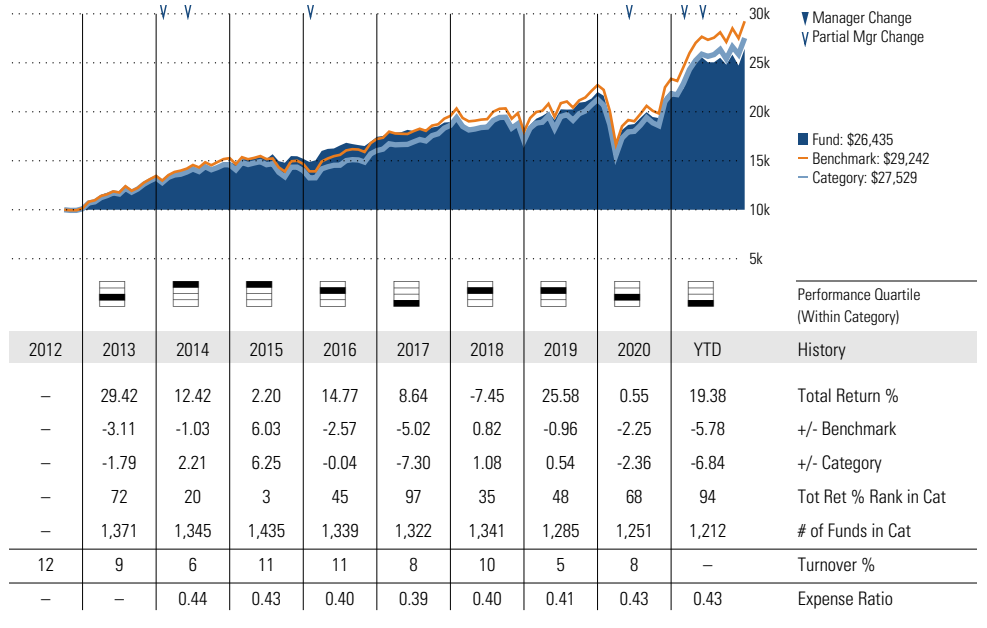
## Morningstar Investment Management LLC Analysis

We are placing Invesco Diversified Dividend on watch due to the pending retirement of long-time lead portfolio manager Meggan Walsh, who will retire on June 30, 2021. In anticipation of Walsh's retirement, Invesco hired Peter Santoro from Columbia Threadneedle as lead manager on this fund. Santoro has 25 years of experience under his belt and has previously worked on a dividend-oriented strategy, but he is new to Invesco. We are placing this fund on watch so we can monitor how the portfolio and strategy evolve under Santoro.

## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Medium Risk	09-30-2021

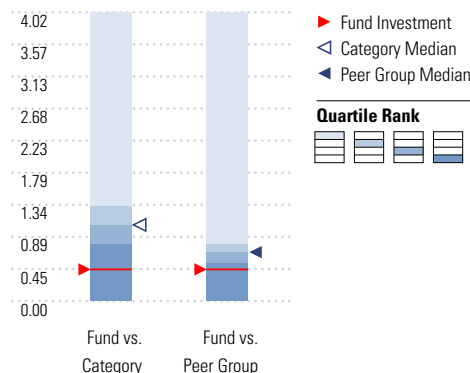
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.13	-	0.36
Beta	0.84	-	0.99
R-Squared	94.80	-	95.52
Standard Deviation	16.63	19.33	19.52
Sharpe Ratio	0.86	0.90	0.90
Tracking Error	4.92	-	4.42
Information Ratio	-0.61	-	0.01
Up Capture Ratio	83.04	-	99.01
Down Capture Ratio	82.90	-	97.88

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.99	18.35	17.61
Price/Book Ratio	2.51	2.56	2.77
Geom Avg Mkt Cap \$B	89.23	78.33	125.20
ROE	18.44	17.59	24.57

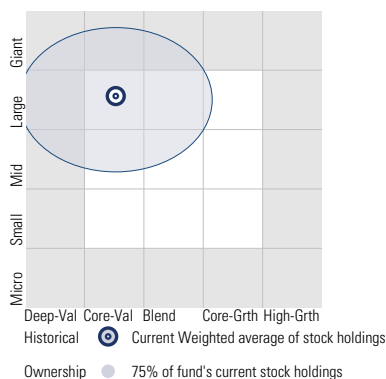
# Invesco Diversified Dividend R6 LCEFX

Morningstar Category  
Large Value

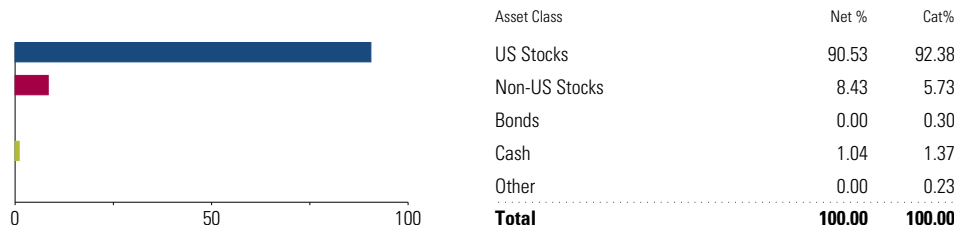
Morningstar Index  
Russell 1000 Value TR USD

## Style Analysis as of 12-31-2021

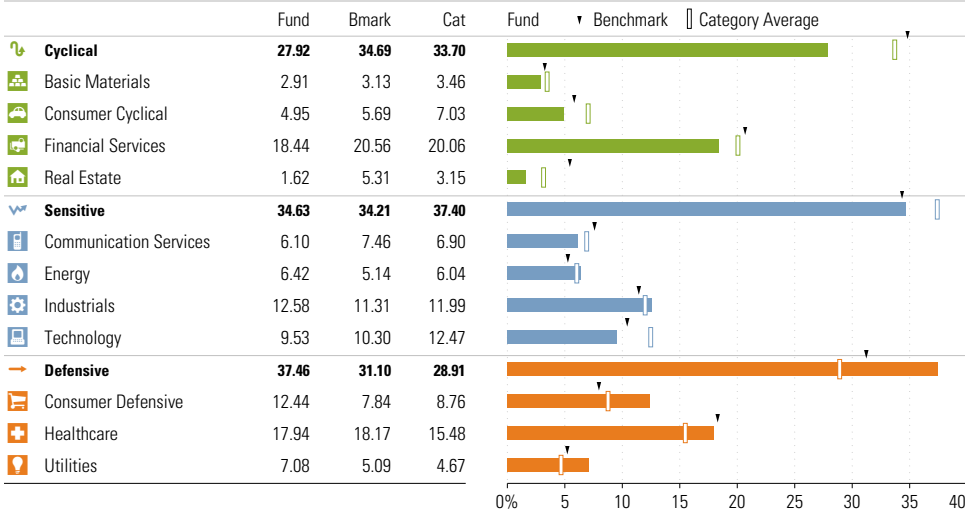
Morningstar Style Box™



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Style Breakdown



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Johnson & Johnson	3.43	3.43	11.36	Healthcare
Cisco Systems Inc	2.64	6.07	44.89	Technology
Bank of America Corp	2.62	8.69	49.36	Financial Services
Walmart Inc	2.57	11.25	1.90	Consumer Defensive
Merck & Co Inc	2.49	13.74	-0.68	Healthcare
Comcast Corp Class A	2.46	16.20	-2.08	Communication Svc
CVS Health Corp	2.43	18.63	53.97	Healthcare
Raytheon Technologies Corp	2.38	21.01	23.15	Industrials
Dominion Energy Inc	2.06	23.07	7.82	Utilities
Entergy Corp	2.06	25.13	16.70	Utilities
Charles Schwab Corp	2.04	27.17	59.92	Financial Services
ConocoPhillips	1.97	29.14	85.37	Energy
Medtronic PLC	1.91	31.06	-9.58	Healthcare
Chevron Corp	1.89	32.95	45.25	Energy
Anthem Inc	1.89	34.83	45.77	Healthcare

## Total Holdings 81

⊕ 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  
Paul Gordon since 07-2017  
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 19.76 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 0.53 is 45.92% lower than the Large Growth category average.

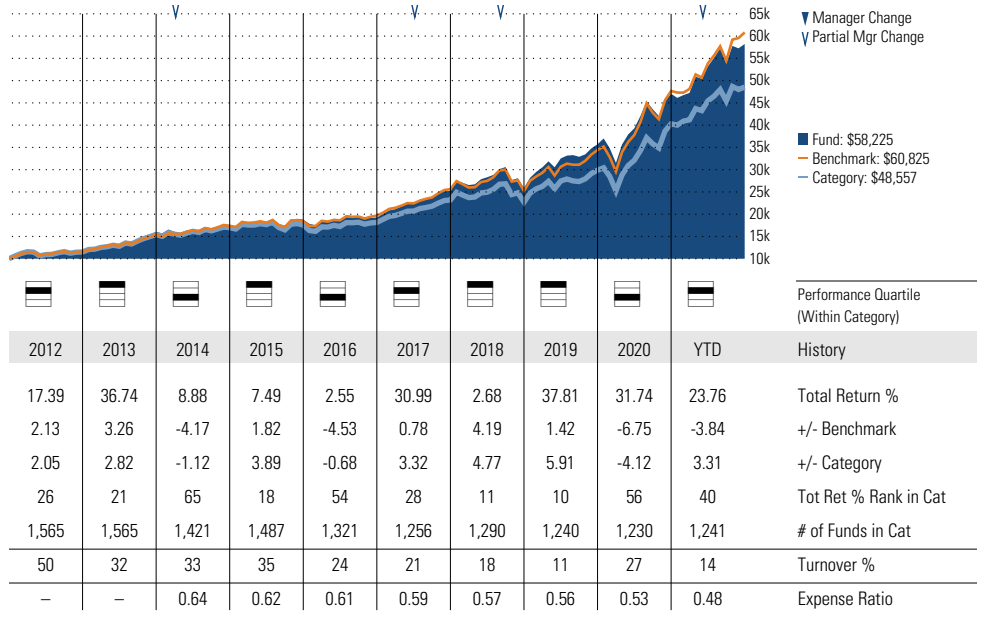
## Morningstar Investment Management LLC Analysis

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

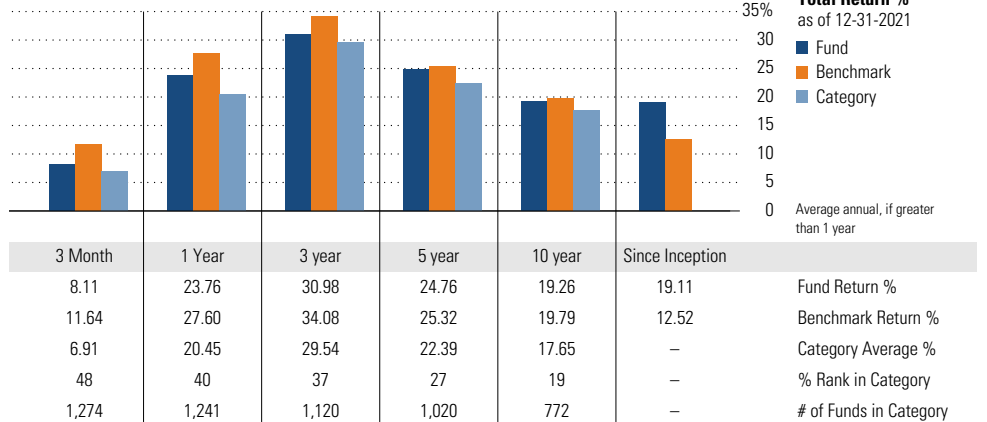
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	2-Basic	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

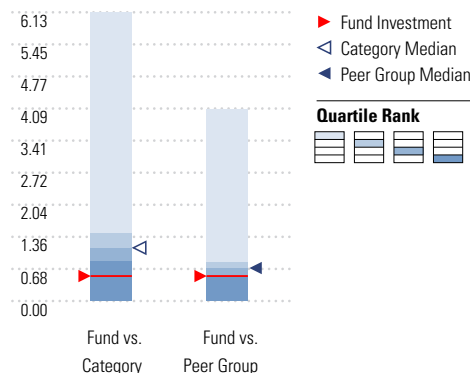
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.66	-	-2.24
Beta	0.89	-	0.97
R-Squared	96.82	-	91.07
Standard Deviation	16.73	18.42	18.79
Sharpe Ratio	1.66	1.65	1.46
Tracking Error	3.57	-	5.52
Information Ratio	-0.87	-	-0.92
Up Capture Ratio	90.03	-	90.02
Down Capture Ratio	86.68	-	93.02

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	40.65	34.55	33.66
Price/Book Ratio	9.92	12.90	9.38
Geom Avg Mkt Cap \$B	309.75	350.68	382.58
ROE	35.29	41.42	32.76

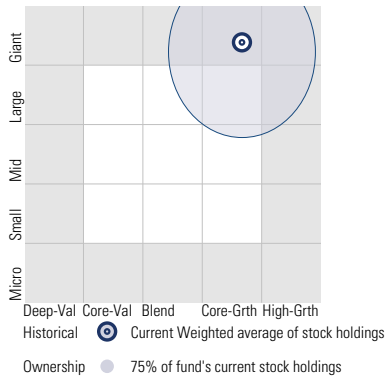
# MFS Growth R6 MFEKX

**Morningstar Category**  
Large Growth

**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 12-31-2021

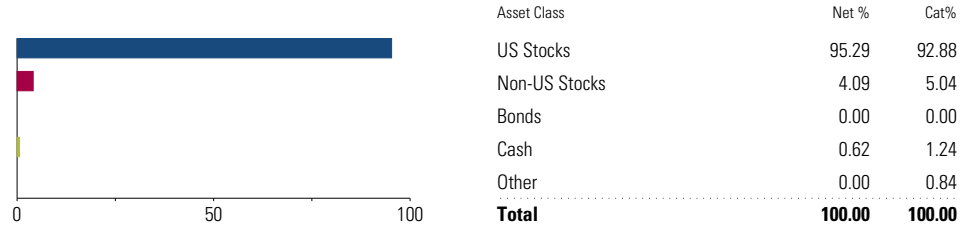
Morningstar Style Box™



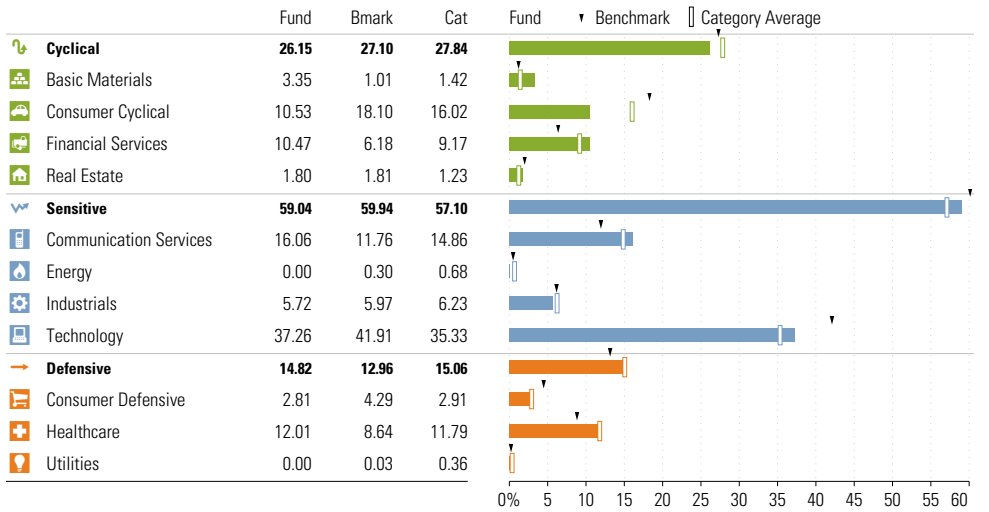
## Style Breakdown



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	11.53	11.53	52.24	Technology
Amazon.com Inc	7.21	18.75	2.38	Consumer Cyclical
Alphabet Inc Class A	5.83	24.58	65.30	Communication Svc
Apple Inc	4.35	28.93	34.48	Technology
Adobe Inc	3.72	32.65	13.38	Technology
⊖ NVIDIA Corp	3.30	35.95	125.41	Technology
⊖ Meta Platforms Inc Class A	2.84	38.79	23.13	Communication Svc
Intuit Inc	2.80	41.59	69.98	Technology
⊖ Mastercard Inc Class A	2.75	44.34	1.16	Financial Services
Danaher Corp	2.37	46.71	48.49	Healthcare
⊖ Visa Inc Class A	2.18	48.89	-0.31	Financial Services
Thermo Fisher Scientific Inc	2.09	50.98	43.48	Healthcare
MSCI Inc	1.84	52.82	38.03	Financial Services
Alphabet Inc Class C	1.75	54.56	65.17	Communication Svc
Sherwin-Williams Co	1.74	56.31	44.65	Basic Materials

## Total Holdings 75

⊕ 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 8.1 years.

✗ **Style:** The fund has landed in its primary style box — Small Growth — 8.57 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 42.5% lower than the Small Growth category average.

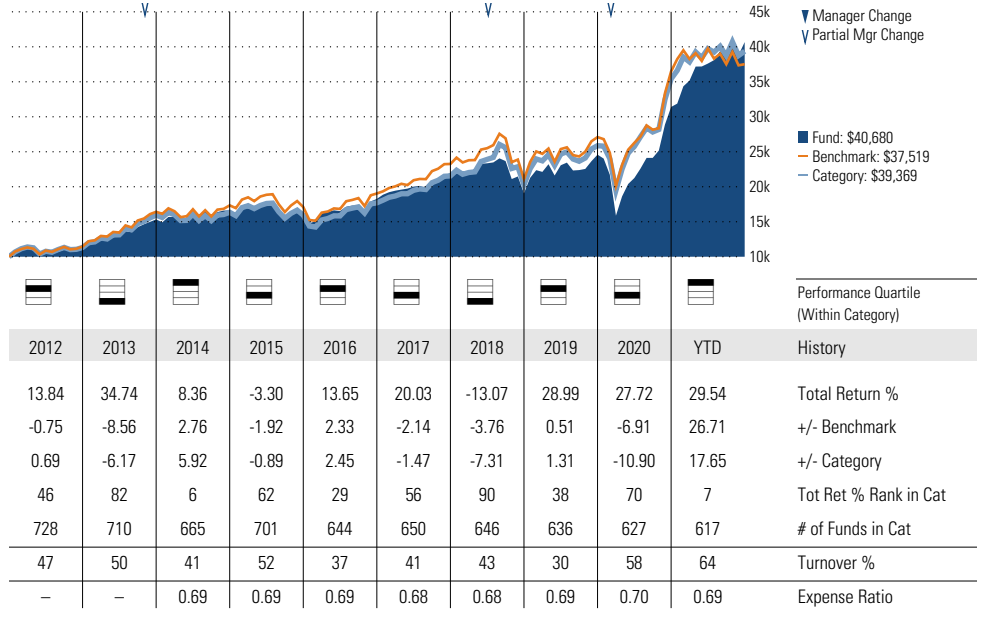
## Morningstar Investment Management LLC Analysis

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

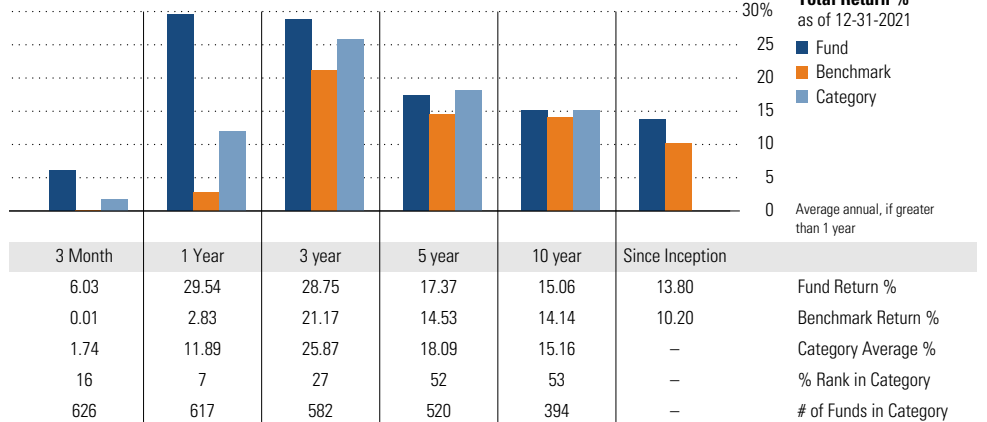
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	11-30-2021

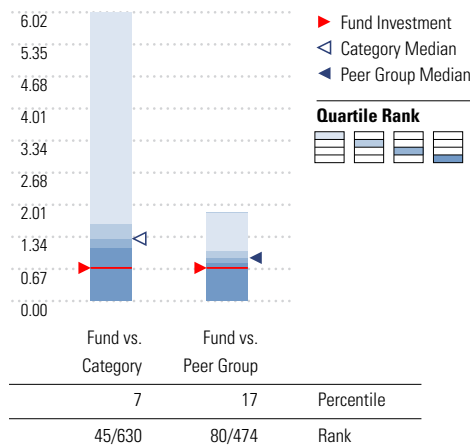
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	6.26	-	4.94
Beta	1.03	-	0.94
R-Squared	86.97	-	89.52
Standard Deviation	25.96	23.40	23.24
Sharpe Ratio	1.08	0.90	1.07
Tracking Error	9.41	-	7.72
Information Ratio	0.81	-	0.57
Up Capture Ratio	111.31	-	101.88
Down Capture Ratio	92.87	-	87.49

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	20.78	22.94	32.03
Price/Book Ratio	2.90	4.80	5.03
Geom Avg Mkt Cap \$B	5.10	3.20	6.12
ROE	10.61	8.90	7.44

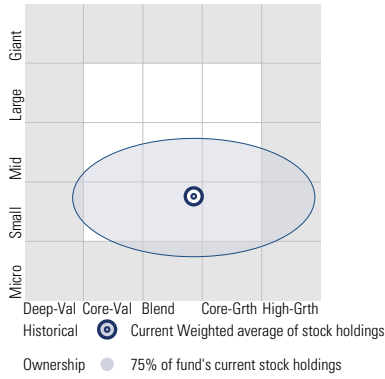
# PGIM Jennison Small Company R6 PJSQX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 12-31-2021

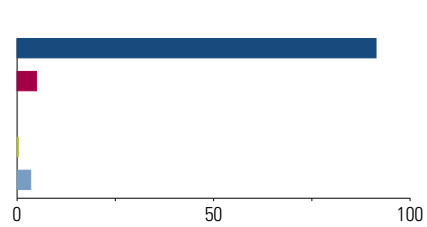
Morningstar Style Box™



## Style Breakdown

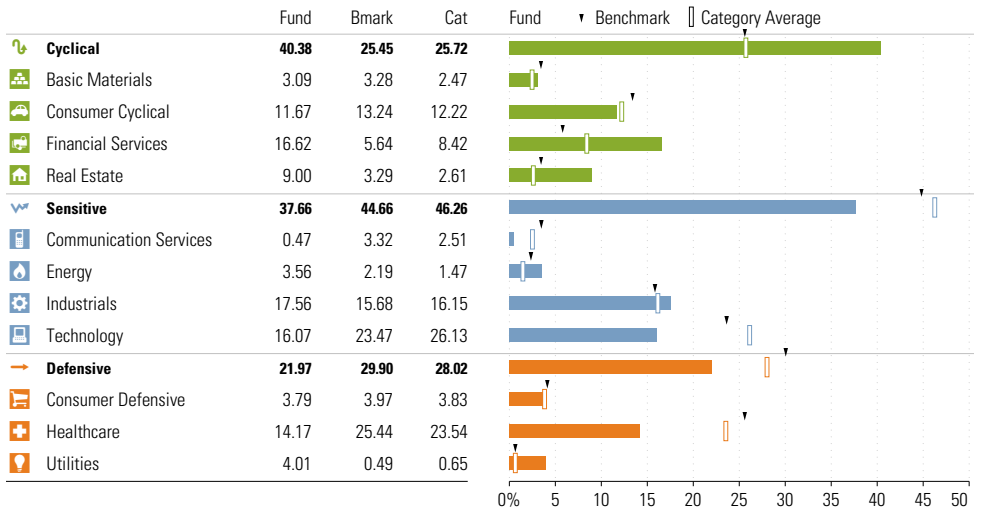


## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	91.33	92.78
Non-US Stocks	4.91	4.51
Bonds	0.00	0.00
Cash	0.30	1.82
Other	3.46	0.89
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Prudential Invnt Portfolios 2	3.46	3.46	-	-
Saia Inc	2.11	5.57	86.41	Industrials
Molina Healthcare Inc	1.73	7.31	49.56	Healthcare
Horizon Therapeutics PLC	1.64	8.95	47.31	Healthcare
⊕ Gaming and Leisure Properties Inc	1.59	10.54	21.60	Real Estate
Performance Food Group Co	1.55	12.09	-3.61	Consumer Defensive
⊖ WillScot Mobile Mini Holdings Corp	1.49	13.58	76.26	Industrials
Brunswick Corp	1.47	15.05	33.79	Consumer Cyclical
PDC Energy Inc	1.47	16.52	141.79	Energy
Avient Corp	1.46	17.98	41.07	Basic Materials
Great Lakes Dredge & Dock Corp	1.43	19.40	19.36	Industrials
Independence Realty Trust Inc	1.39	20.79	95.90	Real Estate
Targa Resources Corp	1.36	22.15	99.55	Energy
Littelfuse Inc	1.32	23.47	24.36	Technology
Ralph Lauren Corp Class A	1.29	24.76	16.56	Consumer Cyclical

**Total Holdings 130**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

**Morningstar Index**  
BBgBarc 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 14.77 years.

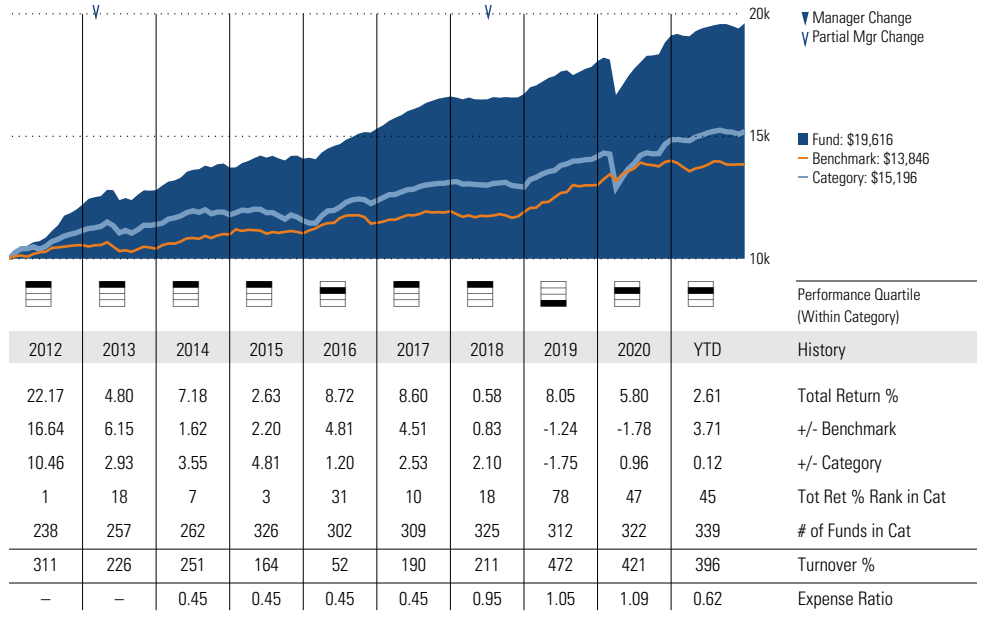
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.62 is 37.37% lower than the Multisector Bond category average.

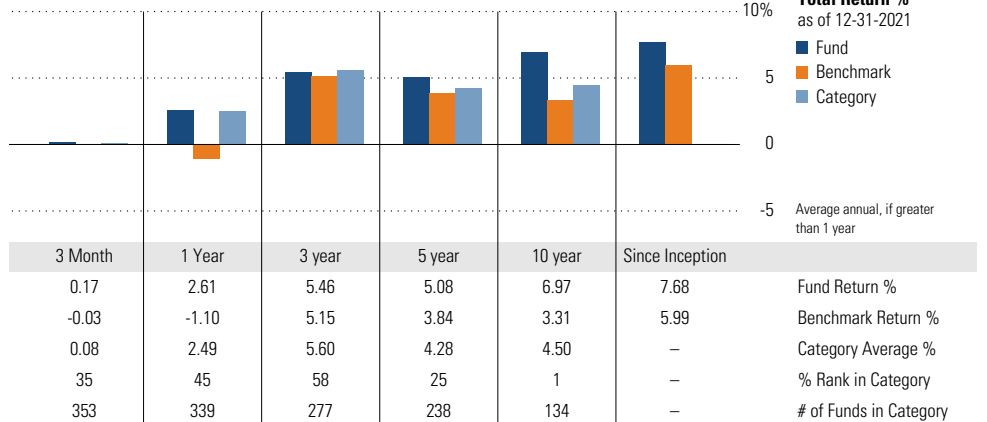
## Morningstar Investment Management LLC Analysis

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

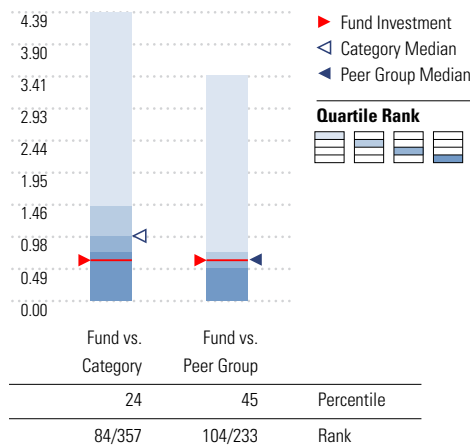
## Growth of \$10,000



## Trailing Performance



## Net Expense



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	1.33	-	-0.62
Beta	0.82	-	1.30
R-Squared	24.18	-	36.86
Standard Deviation	5.79	3.48	7.81
Sharpe Ratio	0.80	1.25	0.74
Tracking Error	5.08	-	6.45
Information Ratio	0.06	-	0.14
Up Capture Ratio	90.03	-	117.35
Down Capture Ratio	59.45	-	129.26

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	1.74	4.55	3.70
Avg Eff Maturity	2.61	7.69	5.65

# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

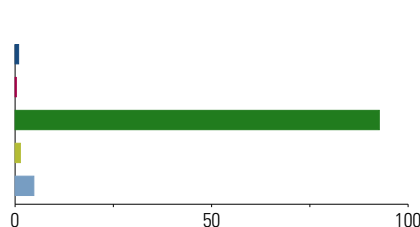
**Morningstar Index**  
BBgBarc US Universal TR USD

## Style Analysis as of 12-31-2021

### Style Breakdown



## Asset Allocation as of 12-31-2021

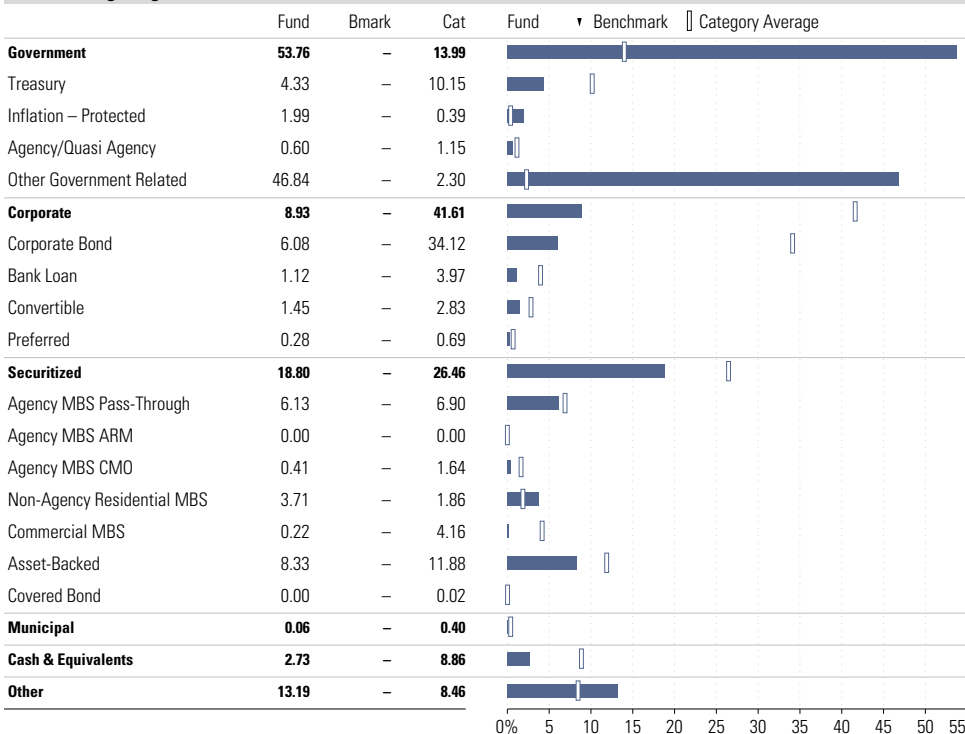


Asset Class	Net %	Cat%
US Stocks	0.90	1.82
Non-US Stocks	0.31	0.08
Bonds	92.67	94.74
Cash	1.34	-0.99
Other	4.77	4.37
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	56.00	67.64	21.31
AA	7.00	3.23	3.72
A	4.00	10.03	6.97
BBB	14.00	10.89	21.79
BB	6.00	3.19	19.68
B	7.00	3.64	14.96
Below B	6.00	1.38	5.48
Not Rated	0.00	0.00	6.08

## Sector Weighting as of 12-31-2021



## Top 10 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ Irs Eur -0.33000 03/18/20-2Y Lch Receive	03-2022	13.29	13.29	-
⊖ Irs Eur -0.33000 03/18/20-2Y Lch Pay	03-2022	13.28	26.57	-
⊖ 10 Year Treasury Note Future Dec 21	12-2021	11.86	38.43	-
⊕ ZCS BRL 4.9 05/13/21-01/03/22 CME Pay	01-2022	8.45	46.88	-
⊕ ZCS BRL 4.9 05/13/21-01/03/22 CME Receive	01-2022	8.42	55.30	-
⊖ BRITISH POUND STERLING Sold	11-2021	7.99	63.29	-
⊖ BRITISH POUND STERLING Purchased	11-2021	7.99	71.28	-
⊕ IRS USD 0.50000 06/16/21-5Y CME Pay	06-2026	7.12	78.40	-
⊖ IRS USD 0.70000 12/14/21-3Y LCH Pay	12-2024	7.06	85.46	-
⊖ IRS USD 0.80000 12/14/21-3Y LCH Receive	12-2024	7.05	92.51	-

**Total Holdings 7951**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Portfolio Manager(s)

Donald Butler since 04-2016

Michelle Louie since 11-2017

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 5.68 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.04 is 95.06% lower than the Large Blend category average.

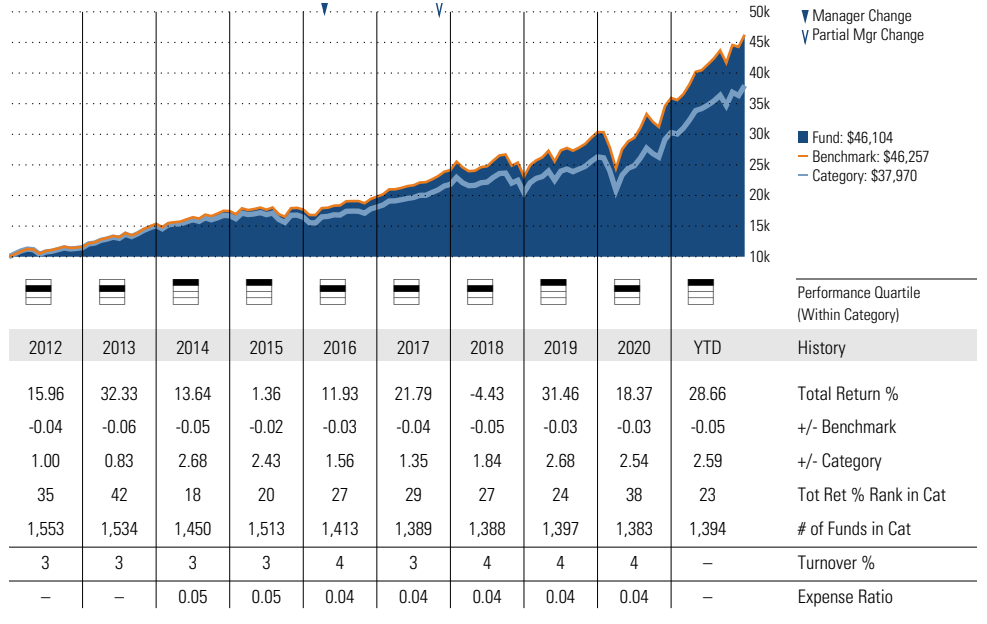
## Morningstar Investment Management LLC Analysis

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.

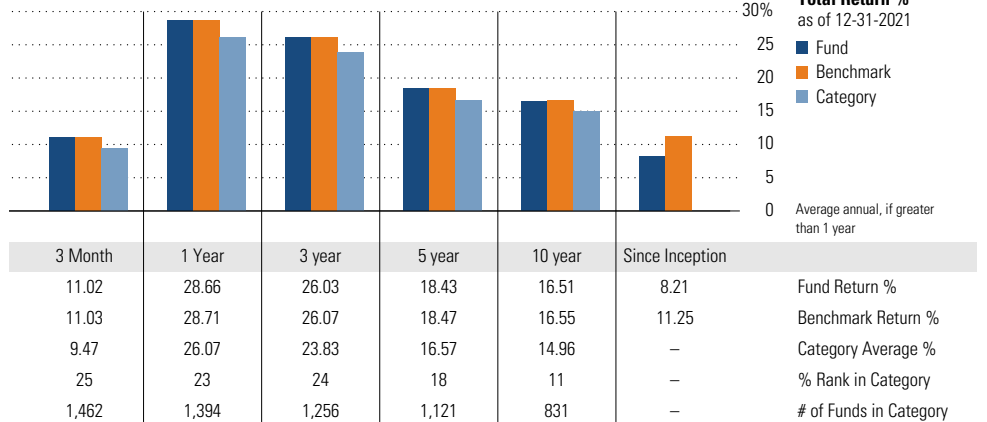
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.03	—	-1.70
Beta	1.00	—	0.97
R-Squared	100.00	—	95.10
Standard Deviation	17.42	17.41	17.41
Sharpe Ratio	1.38	1.38	1.25
Tracking Error	0.01	—	3.76
Information Ratio	-3.26	—	-1.29
Up Capture Ratio	99.96	—	93.94
Down Capture Ratio	100.07	—	100.53

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	25.16	25.15	25.73
Price/Book Ratio	4.60	4.59	5.74
Geom Avg Mkt Cap \$B	230.90	230.65	305.14
ROE	32.76	32.75	38.00

# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Style Analysis as of 12-31-2021

Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	6.83	6.83	34.48	Technology
Microsoft Corp	6.23	13.06	52.24	Technology
Amazon.com Inc	3.59	16.65	2.38	Consumer Cyclical
Alphabet Inc Class A	2.15	18.80	65.30	Communication Svc
Tesla Inc	2.12	20.92	49.76	Consumer Cyclical
Alphabet Inc Class C	2.00	22.92	65.17	Communication Svc
Meta Platforms Inc Class A	1.96	24.88	23.13	Communication Svc
NVIDIA Corp	1.81	26.70	125.41	Technology
Berkshire Hathaway Inc Class B	1.35	28.05	28.95	Financial Services
UnitedHealth Group Inc	1.17	29.22	44.79	Healthcare
JPMorgan Chase & Co	1.15	30.37	27.53	Financial Services
Johnson & Johnson	1.11	31.48	11.36	Healthcare
The Home Depot Inc	1.08	32.57	58.73	Consumer Cyclical
Procter & Gamble Co	0.98	33.54	20.01	Consumer Defensive
Visa Inc Class A	0.89	34.43	-0.31	Financial Services

**Total Holdings 510**

⊕ 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 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.07 is 92.55% 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
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	2	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.81	-	0.94
Beta	1.03	-	1.00
R-Squared	96.86	-	94.25
Standard Deviation	17.89	17.03	17.48
Sharpe Ratio	0.80	0.76	0.80
Tracking Error	3.22	-	4.25
Information Ratio	0.40	-	0.25
Up Capture Ratio	104.35	-	101.95
Down Capture Ratio	100.77	-	98.67

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.59	15.08	16.26
Price/Book Ratio	1.74	1.88	1.95
Geom Avg Mkt Cap \$B	31.48	47.47	56.01
ROE	16.71	17.76	18.41

# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 12-31-2021

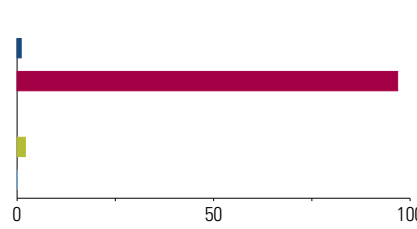
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	1.04	2.90
Non-US Stocks	96.83	95.06
Bonds	0.00	0.37
Cash	2.09	0.99
Other	0.04	0.66
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## World Regions % Equity 12-31-2021



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %
Greater Asia	35.47	35.68	Americas	10.54	8.02	Greater Europe	53.99	56.30	Market Maturity	Fund %
Japan	20.42	19.04	North America	10.43	7.05	United Kingdom	12.03	12.54	Developed Markets	99.21
Australasia	6.60	4.55	Central/Latin	0.11	0.97	W euro-ex UK	40.95	42.20	Emerging Markets	0.79
Asia-4 Tigers	8.14	6.95				Emrgng Europe	0.36	0.63	Not Available	0.00
Asia-ex 4 Tigers	0.31	5.14				Africa	0.65	0.93		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Nestle SA	1.58	1.58	23.95	Consumer Defensive
⊖ Slcmt1142	1.44	3.03	-	-
⊖ ASML Holding NV	1.29	4.31	78.48	Technology
⊕ Samsung Electronics Co Ltd	1.25	5.56	-	Technology
⊕ Roche Holding AG	1.16	6.72	24.60	Healthcare
⊕ Toyota Motor Corp	0.94	7.66	34.86	Consumer Cyclical
⊕ LVMH Moet Hennessy Louis Vuitton SE	0.85	8.51	43.67	Consumer Cyclical
⊖ Novartis AG	0.75	9.26	-1.70	Healthcare
⊕ AstraZeneca PLC	0.75	10.01	21.25	Healthcare
⊕ Novo Nordisk A/S Class B	0.74	10.74	73.87	Healthcare

**Total Holdings 4127**

⊕ Increase ⊖ Decrease ✱ New to Portfolio



# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

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

## Portfolio Manager(s)

Gemma Wright-Casparius since 08-2011  
John Madziyire since 11-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.38 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 83.61% lower than the Inflation-Protected Bond category average.

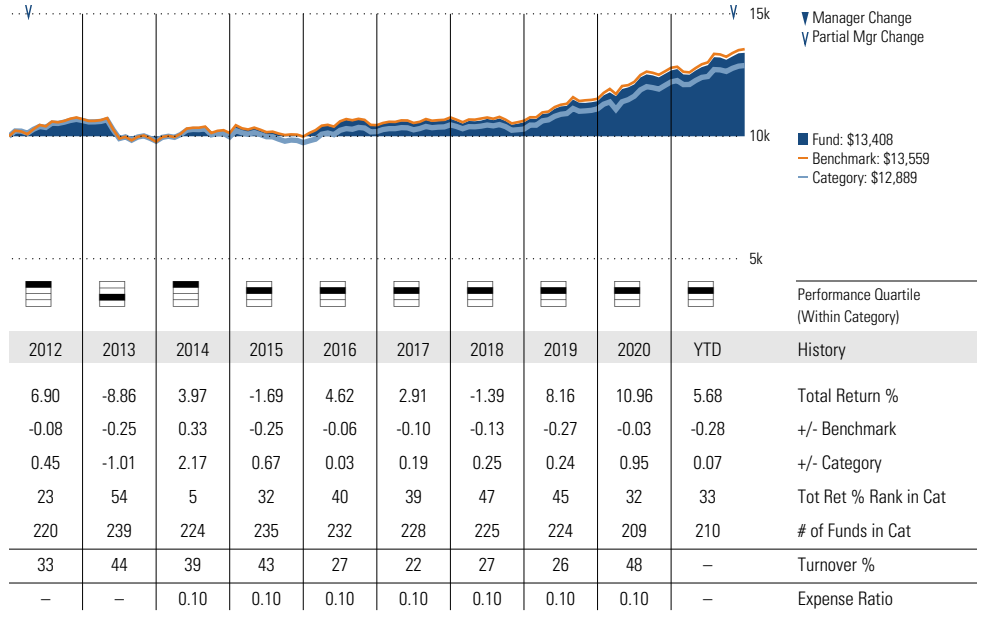
## Morningstar Investment Management LLC Analysis

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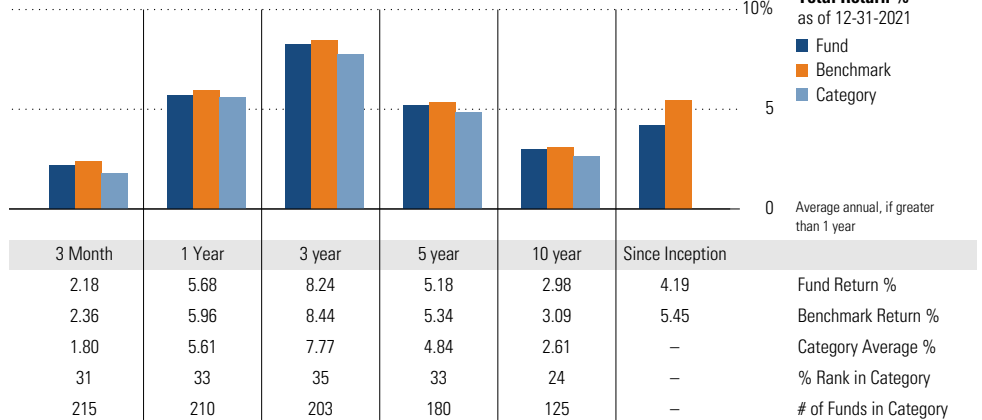
## ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	11-30-2021

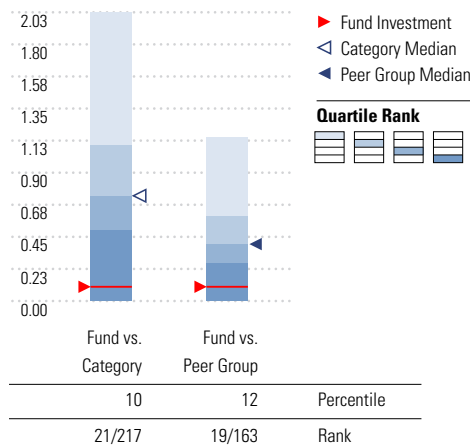
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.31	-	-0.07
Beta	0.94	-	0.90
R-Squared	98.32	-	76.48
Standard Deviation	3.69	3.90	4.22
Sharpe Ratio	1.95	1.90	1.65
Tracking Error	0.53	-	2.21
Information Ratio	-0.37	-	-0.60
Up Capture Ratio	96.00	-	90.34
Down Capture Ratio	89.87	-	95.16

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.50	4.52	6.06
Avg Eff Maturity	7.90	-	7.06

# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

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

**Style Analysis** as of 12-31-2021

**Style Breakdown**



**Asset Allocation** as of 12-31-2021

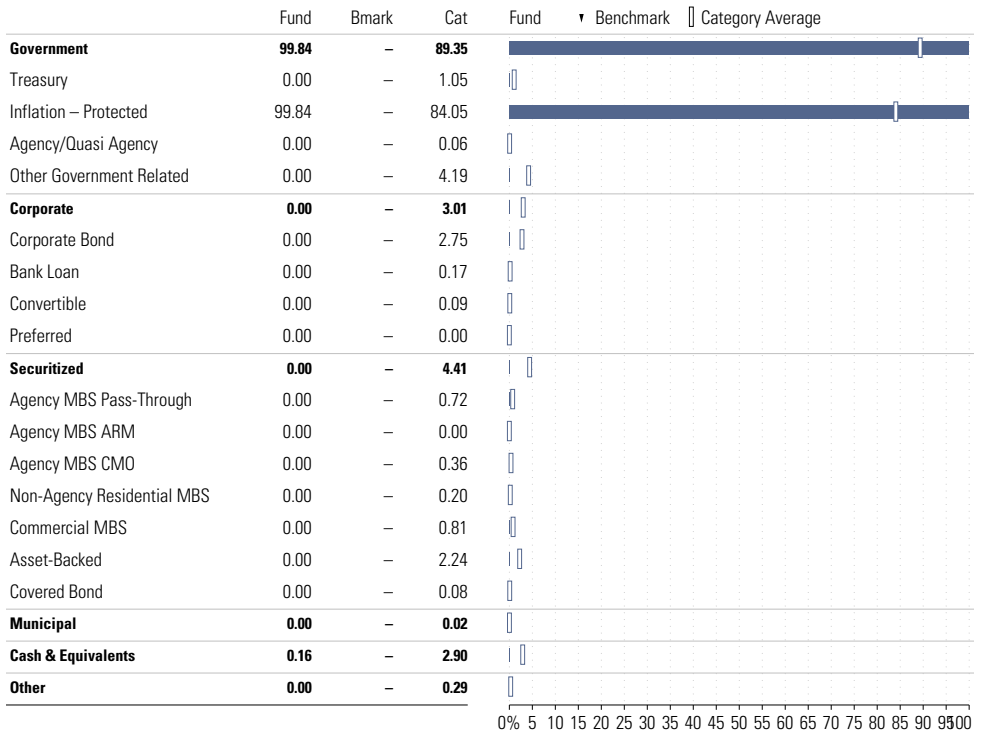


Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	99.84	99.03
Cash	0.16	0.24
Other	0.00	0.67
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	99.85	0.00	89.25
AA	0.00	99.60	6.41
A	0.00	0.00	1.27
BBB	0.00	0.00	1.83
BB	0.00	0.00	0.28
B	0.00	0.00	0.10
Below B	0.00	0.00	0.06
Not Rated	0.15	0.40	0.80

**Sector Weighting** as of 12-31-2021



**Top 10 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Notes	-	6.07	6.07	-
⊕ United States Treasury Notes	-	3.92	9.98	-
⊕ United States Treasury Notes	-	3.89	13.88	-
⊕ United States Treasury Notes	-	3.55	17.43	-
⊕ United States Treasury Notes	-	3.48	20.92	-
⊕ United States Treasury Notes	-	3.32	24.24	-
⊕ United States Treasury Notes	-	3.17	27.41	-
United States Treasury Notes	-	3.15	30.57	-
United States Treasury Notes	-	3.08	33.64	-
⊕ United States Treasury Notes	-	2.87	36.51	-

**Total Holdings** 47

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Vanguard Mid Cap Index Admiral VIMAX

**Morningstar Category**  
Mid-Cap Blend

**Morningstar Index**  
Russell Mid Cap TR USD

## Portfolio Manager(s)

Donald Butler since 05-1998

Awais Khan since 07-2021

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 23.63 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 94.62% lower than the Mid-Cap Blend category average.

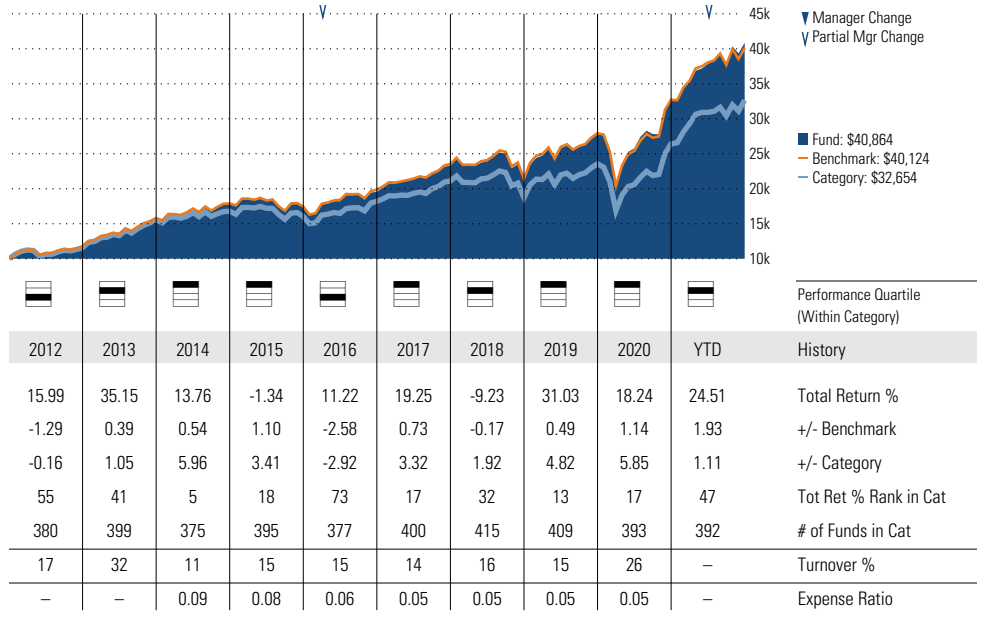
## Morningstar Investment Management LLC Analysis

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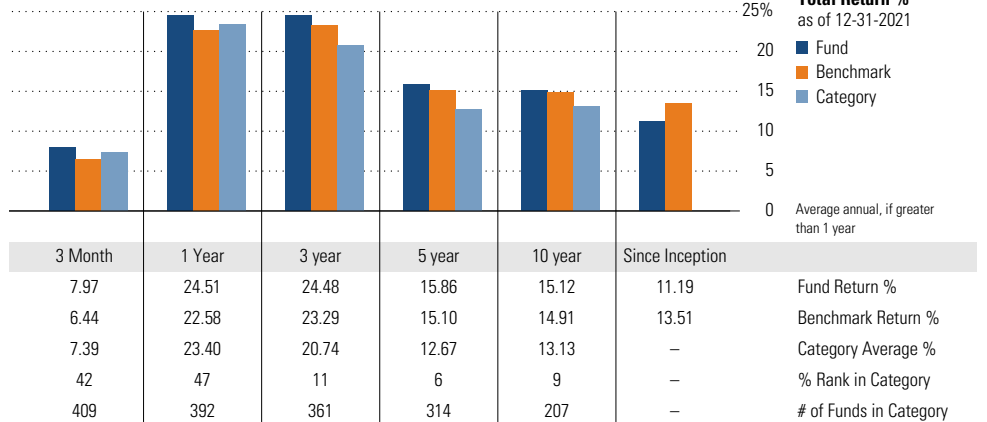
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	4	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

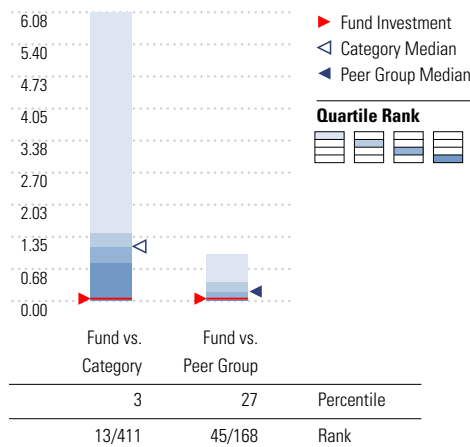
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.52	-	-1.58
Beta	0.97	-	0.99
R-Squared	99.60	-	94.00
Standard Deviation	20.29	20.84	21.38
Sharpe Ratio	1.15	1.08	0.98
Tracking Error	1.41	-	5.33
Information Ratio	0.85	-	-0.53
Up Capture Ratio	99.92	-	96.62
Down Capture Ratio	94.26	-	103.34

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	23.14	20.76	18.71
Price/Book Ratio	3.56	3.34	3.07
Geom Avg Mkt Cap \$B	27.29	20.82	12.32
ROE	15.90	16.99	19.23

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

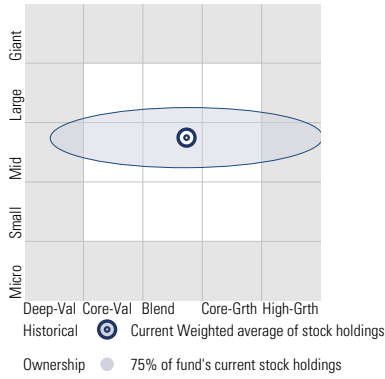
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 12-31-2021

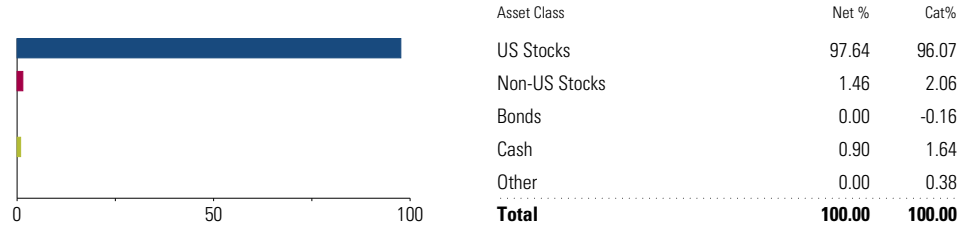
Morningstar Style Box™



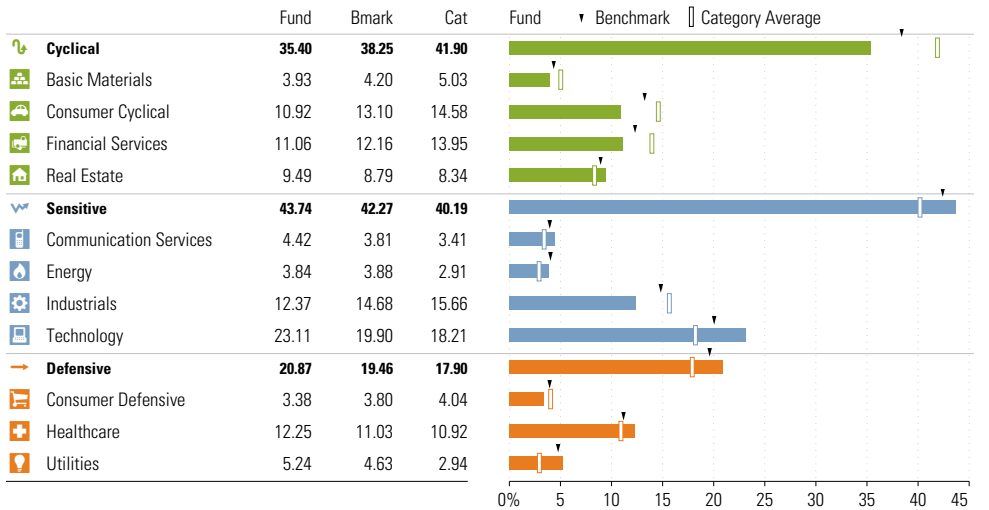
## Style Breakdown



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Synopsys Inc	0.75	0.75	42.15	Technology
⊖ IQVIA Holdings Inc	0.72	1.47	57.47	Healthcare
⊖ Xilinx Inc	0.70	2.17	49.82	Technology
⊖ Amphenol Corp Class A	0.70	2.86	34.95	Technology
⊖ DexCom Inc	0.69	3.55	45.23	Healthcare
⊖ Cadence Design Systems Inc	0.69	4.24	36.59	Technology
⊕ Palo Alto Networks Inc	0.68	4.93	56.66	Technology
⊖ Digital Realty Trust Inc	0.67	5.59	30.11	Real Estate
⊖ Fortinet Inc	0.66	6.26	141.97	Technology
⊕ Microchip Technology Inc	0.64	6.90	27.31	Technology
⊖ Centene Corp	0.64	7.54	37.26	Healthcare
⊖ MSCI Inc	0.64	8.18	38.03	Financial Services
⊖ IHS Markit Ltd	0.64	8.82	48.86	Industrials
⊖ Carrier Global Corp Ordinary Shares	0.63	9.44	45.15	Industrials
⊖ Motorola Solutions Inc	0.61	10.05	61.48	Technology

**Total Holdings 377**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 25.65 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 88.68% lower than the Real Estate category average.

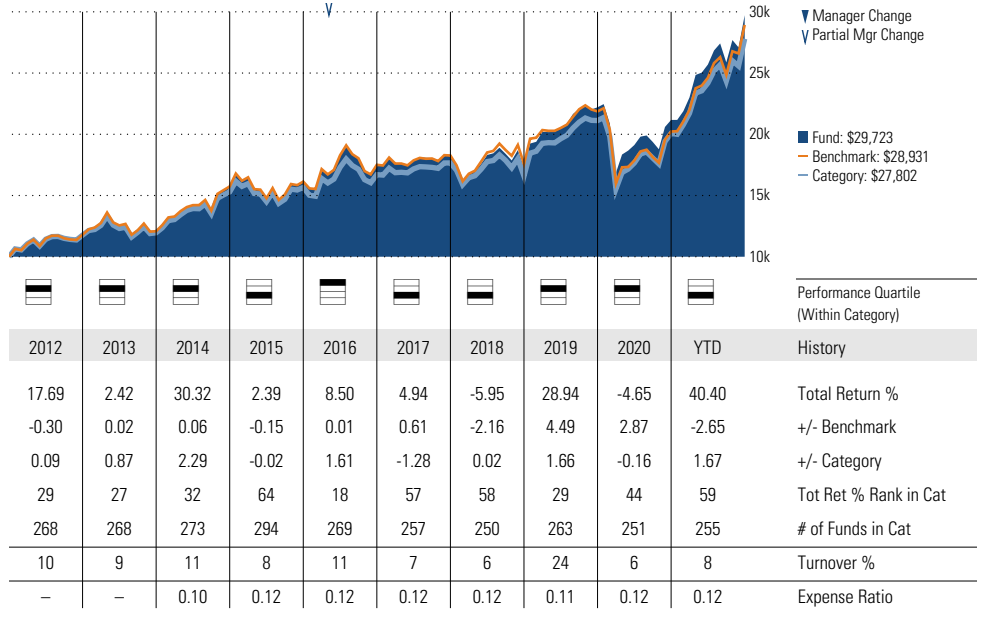
## Morningstar Investment Management LLC Analysis

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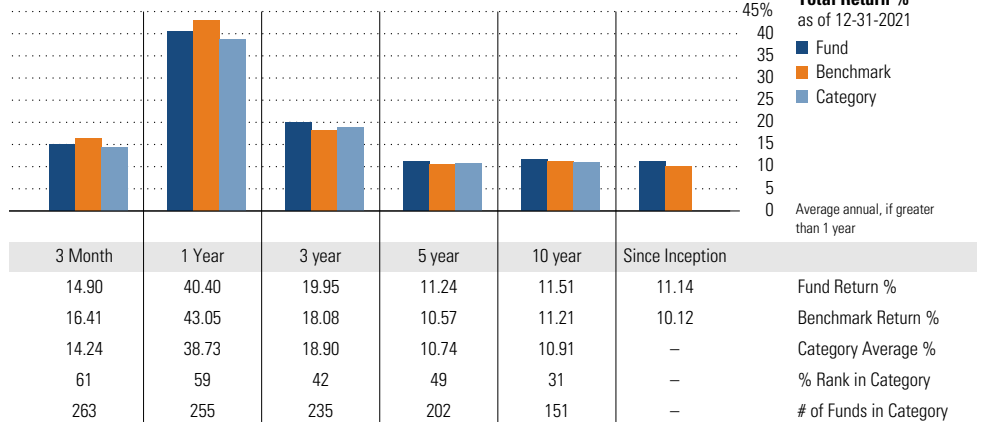
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

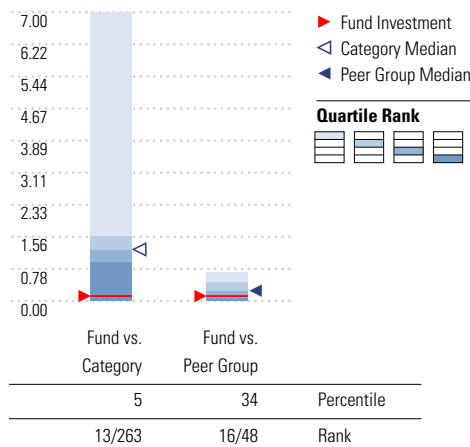
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.49	-	2.48
Beta	0.94	-	0.92
R-Squared	98.36	-	93.00
Standard Deviation	18.85	19.89	19.01
Sharpe Ratio	1.02	0.90	1.02
Tracking Error	2.70	-	5.07
Information Ratio	0.70	-	0.42
Up Capture Ratio	100.67	-	98.38
Down Capture Ratio	91.54	-	90.01

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	37.58	38.46	37.45
Price/Book Ratio	3.33	2.42	3.24
Geom Avg Mkt Cap \$B	25.88	9.35	29.84
ROE	14.88	9.56	15.04

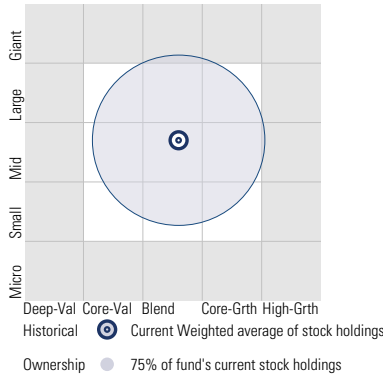
# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

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

## Style Analysis as of 12-31-2021

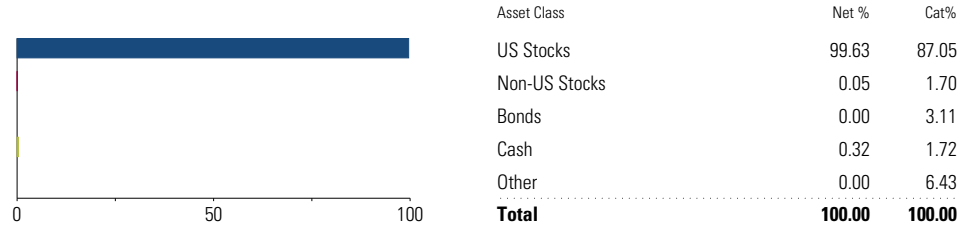
Morningstar Style Box™



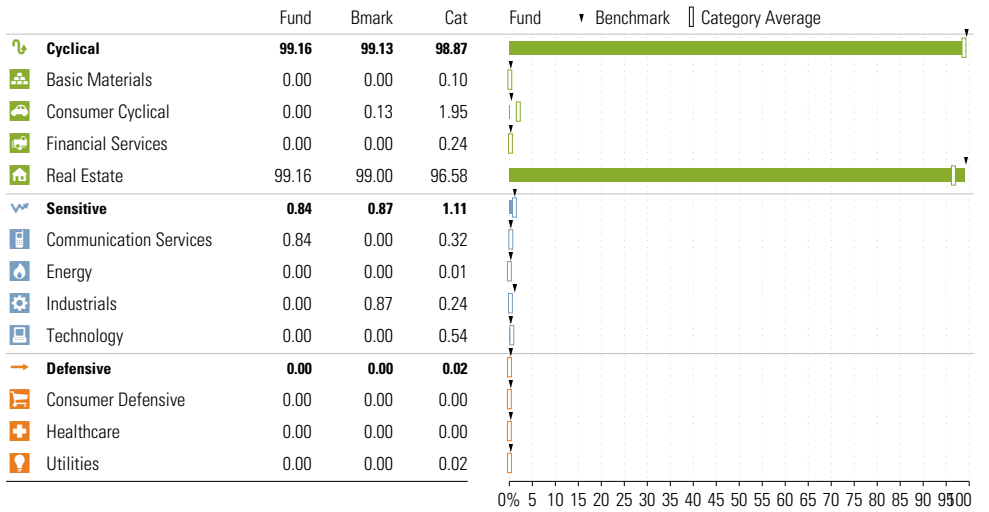
## Style Breakdown



## Asset Allocation as of 12-31-2021



## Sector Weighting as of 12-31-2021



## Top 15 Holdings as of 12-31-2021

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.35	11.35	-	-
⊕ American Tower Corp	6.87	18.22	32.63	Real Estate
⊕ Prologis Inc	6.43	24.65	71.46	Real Estate
⊕ Crown Castle International Corp	4.60	29.25	34.56	Real Estate
⊕ Equinix Inc	3.90	33.15	20.04	Real Estate
⊕ Public Storage	3.05	36.20	65.66	Real Estate
⊕ Simon Property Group Inc	2.64	38.84	94.21	Real Estate
⊕ Digital Realty Trust Inc	2.53	41.37	30.11	Real Estate
⊕ SBA Communications Corp	2.20	43.58	38.71	Real Estate
⊕ Realty Income Corp	2.04	45.61	22.30	Real Estate
⊕ CBRE Group Inc Class A	1.88	47.49	73.01	Real Estate
⊕ Welltower Inc	1.87	49.36	36.51	Real Estate
⊕ AvalonBay Communities Inc	1.82	51.19	61.41	Real Estate
⊕ Alexandria Real Estate Equities Inc	1.67	52.85	27.62	Real Estate
⊕ Equity Residential	1.63	54.49	56.73	Real Estate

**Total Holdings 172**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2015 Fund VTXVX

**Morningstar Category**  
Target-Date 2015

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2015 category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 79.66% lower than the Target-Date 2015 category average.

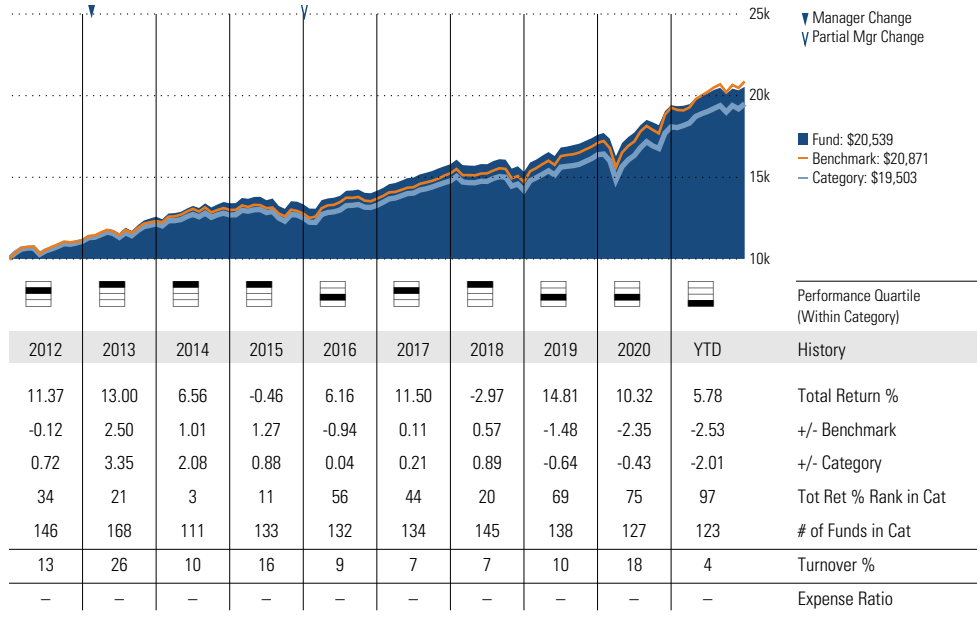
## Morningstar Investment Management LLC Analysis

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

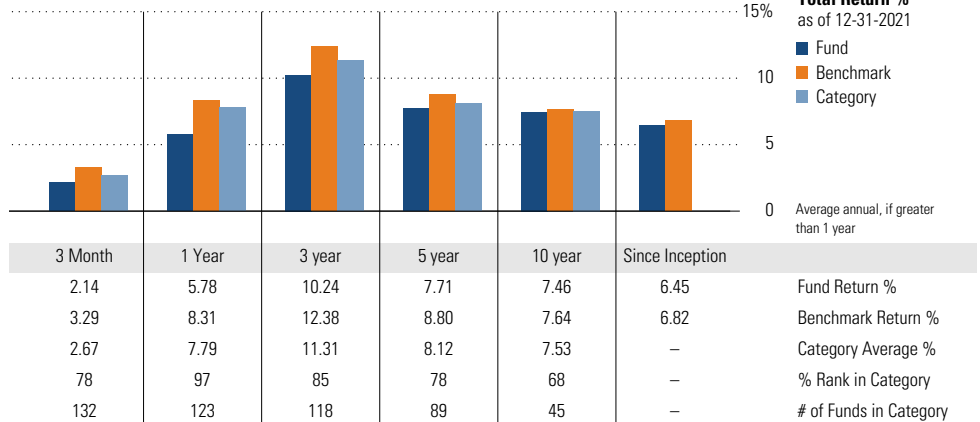
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021

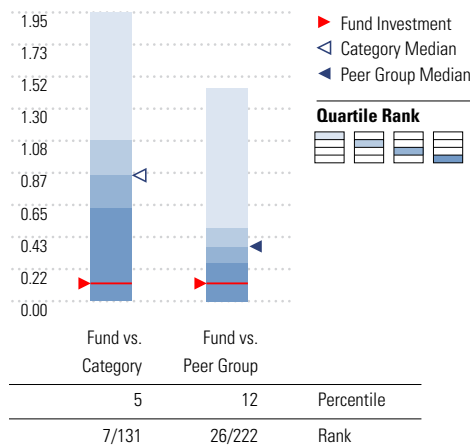
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.25	-	-0.79
Beta	0.81	-	0.97
R-Squared	98.43	-	96.08
Standard Deviation	6.82	8.35	8.30
Sharpe Ratio	1.35	1.34	1.22
Tracking Error	1.80	-	1.79
Information Ratio	-1.18	-	-0.66
Up Capture Ratio	81.39	-	92.30
Down Capture Ratio	77.84	-	95.84

## Portfolio Metrics

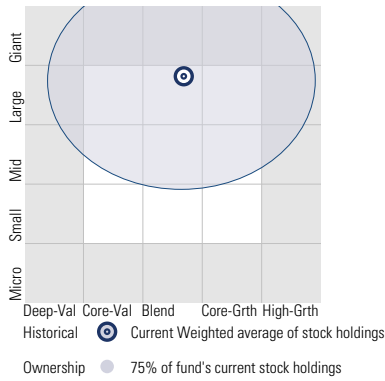
	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	19.62	19.64
Price/Book Ratio	2.71	2.77	2.83
Avg Eff Duration	6.25	7.78	5.27

# Vanguard Target Retirement 2015 Fund VTXVX

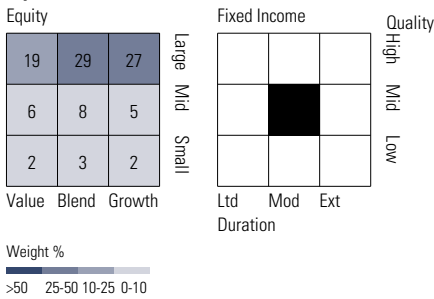
**Morningstar Category**  
Target-Date 2015

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

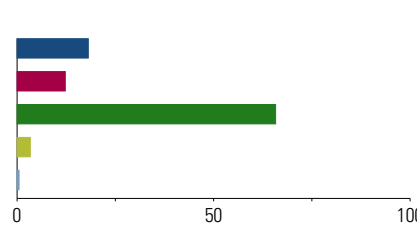
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

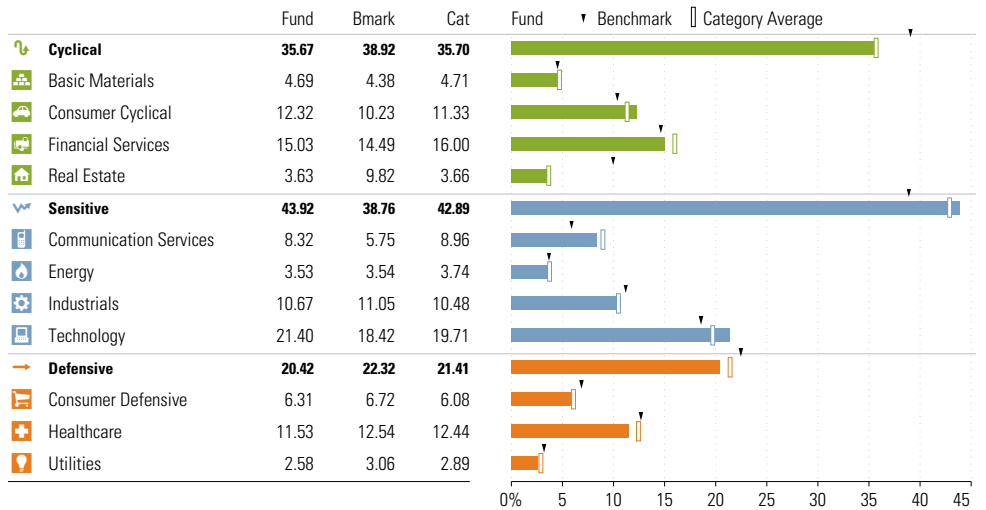


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	18.11	24.31
Non-US Stocks	12.25	14.78
Bonds	65.78	50.16
Cash	3.36	6.35
Other	0.50	4.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 8 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	36.03	36.03	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	18.29	54.32	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.17	70.49	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	15.77	86.25	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	12.56	98.81	-	-
⊕ Mktliq 12/31/2049	-	0.91	99.72	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.28	99.99	-	-
⊕ Us Dollar	-	0.01	100.00	-	-

**Total Holdings 8**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2020 Fund VTWNX

**Morningstar Category**  
Target-Date 2020

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.13 is 79.37% lower than the Target-Date 2020 category average.

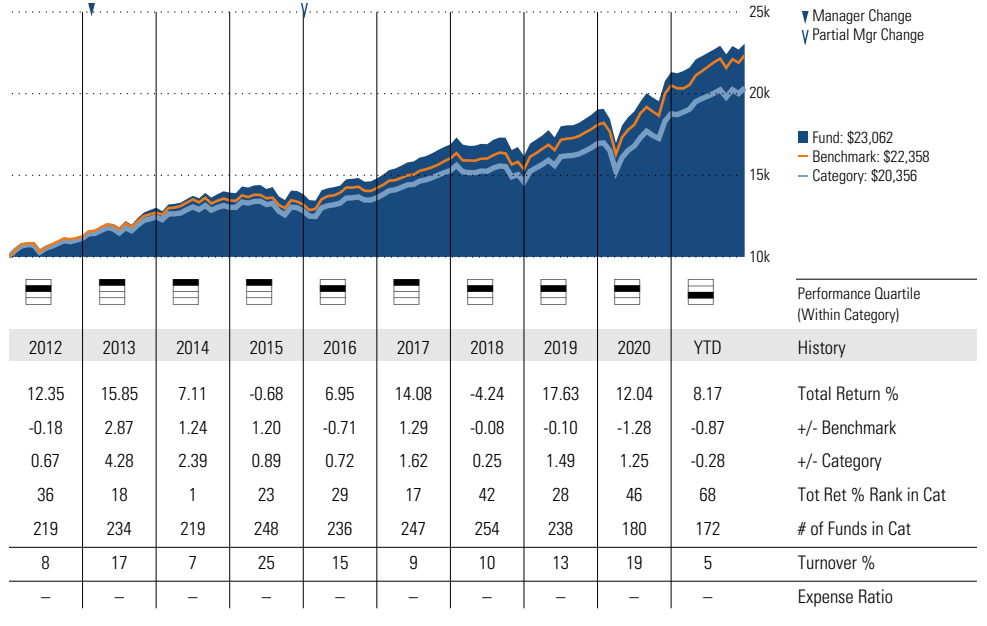
## Morningstar Investment Management LLC Analysis

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.

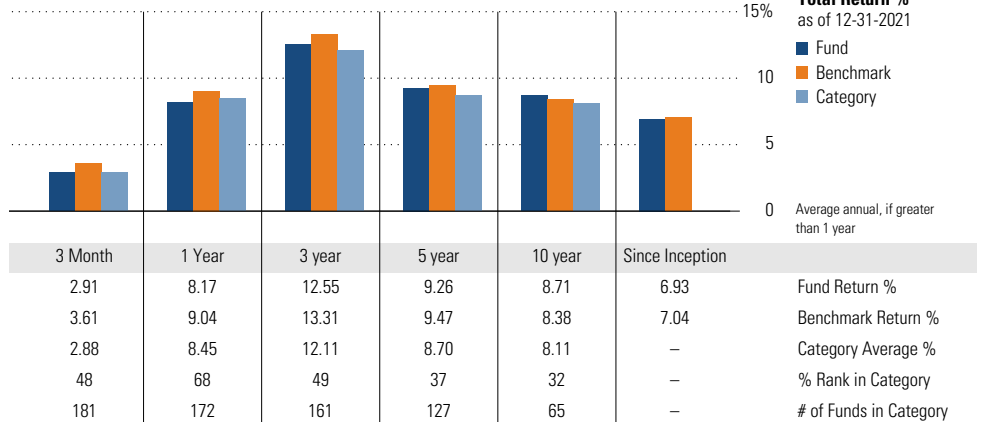
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021

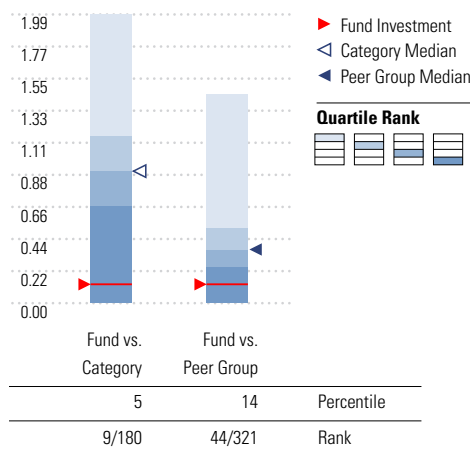
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.28	-	-0.60
Beta	0.97	-	0.95
R-Squared	98.28	-	96.07
Standard Deviation	9.04	9.27	8.94
Sharpe Ratio	1.26	1.31	1.21
Tracking Error	1.22	-	2.00
Information Ratio	-0.62	-	-0.72
Up Capture Ratio	95.00	-	91.08
Down Capture Ratio	95.93	-	93.59

## Portfolio Metrics

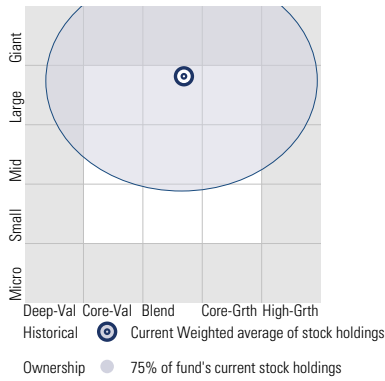
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	19.42	20.30
Price/Book Ratio	2.72	2.74	2.89
Avg Eff Duration	6.51	8.67	4.93

# Vanguard Target Retirement 2020 Fund VTWNX

**Morningstar Category**  
Target-Date 2020

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

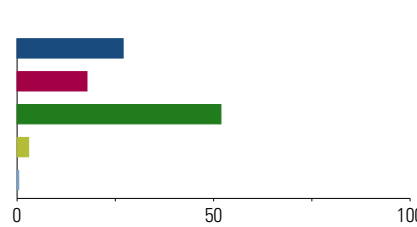
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

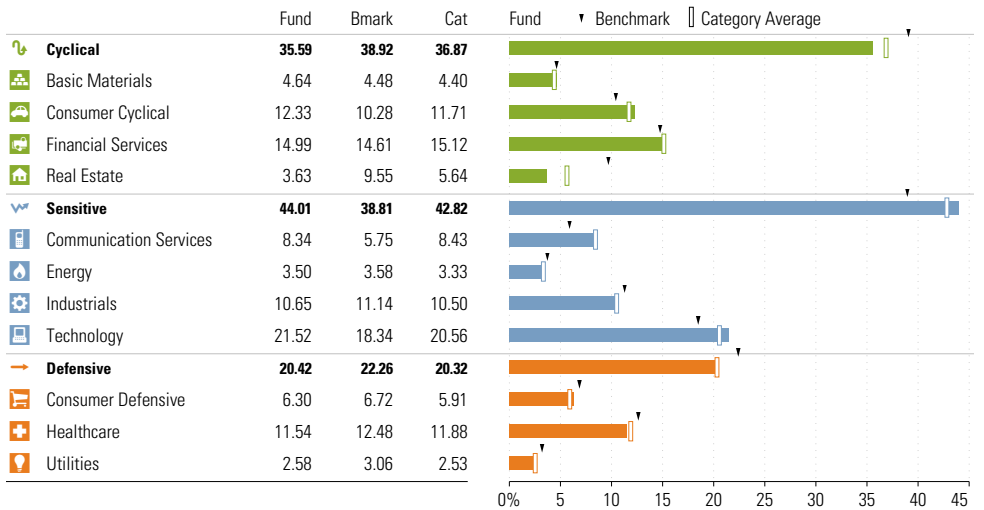


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	26.98	26.50
Non-US Stocks	17.78	15.01
Bonds	51.87	46.34
Cash	2.95	3.99
Other	0.42	8.18
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 8 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	30.41	30.41	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	27.24	57.65	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	18.22	75.87	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	13.28	89.14	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	9.81	98.95	-	-
⊕ Mktliq 12/31/2049	-	0.80	99.75	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.24	99.99	-	-
⊕ Us Dollar	-	0.01	100.00	-	-

**Total Holdings 8**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2025 Fund VTTVX

**Morningstar Category**  
Target-Date 2025

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.13 is 80.6% lower than the Target-Date 2025 category average.

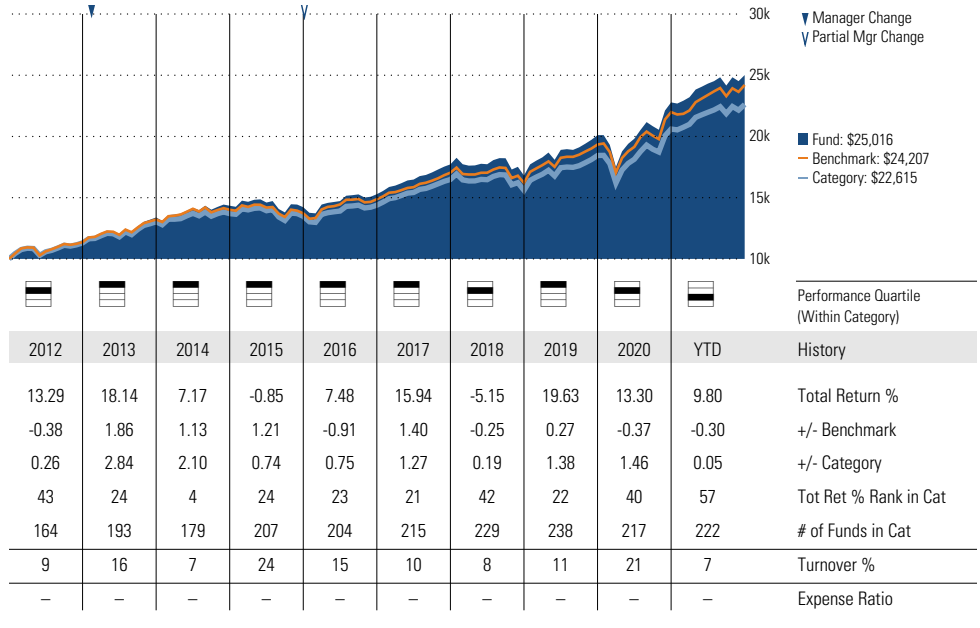
## Morningstar Investment Management LLC Analysis

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.

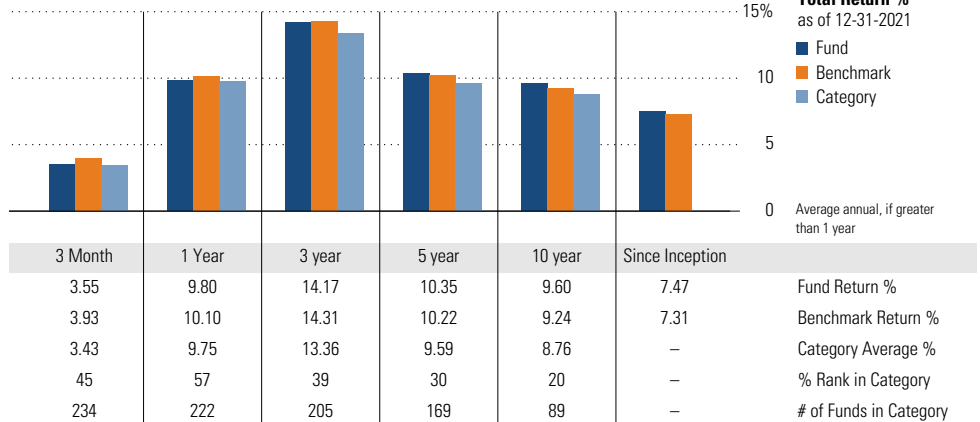
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

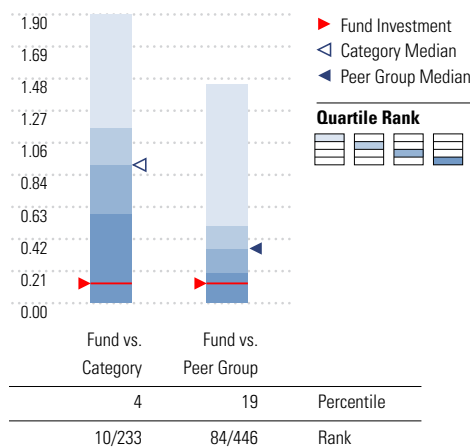
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.33	-	-0.47
Beta	1.02	-	0.96
R-Squared	98.68	-	97.00
Standard Deviation	10.69	10.45	10.15
Sharpe Ratio	1.22	1.26	1.19
Tracking Error	1.24	-	2.02
Information Ratio	-0.11	-	-0.52
Up Capture Ratio	101.50	-	94.83
Down Capture Ratio	105.52	-	99.16

## Portfolio Metrics

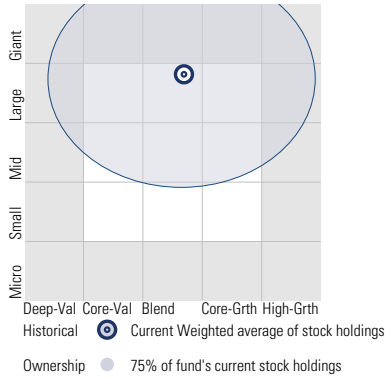
	Fund	Bmark	Cat
Price/Earnings Ratio	19.17	19.21	20.36
Price/Book Ratio	2.72	2.70	2.91
Avg Eff Duration	7.21	9.42	6.67

# Vanguard Target Retirement 2025 Fund VTTVX

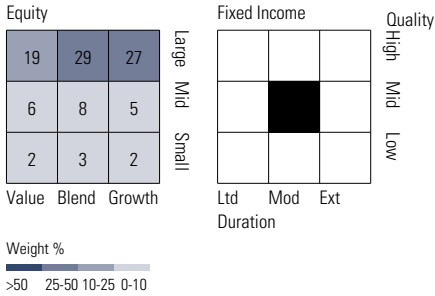
**Morningstar Category**  
Target-Date 2025

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

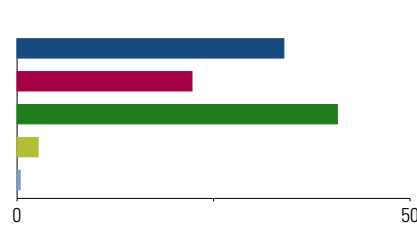
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

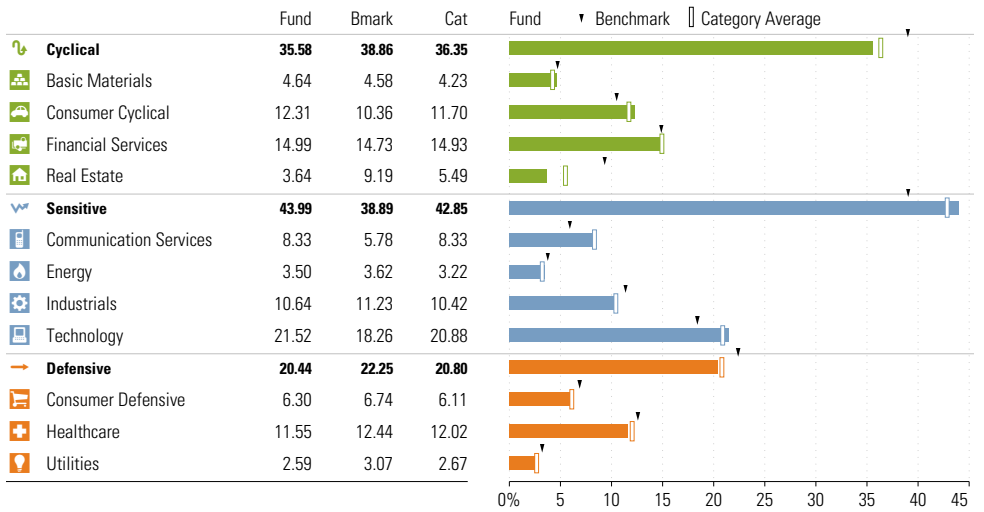


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	33.94	30.83
Non-US Stocks	22.25	16.49
Bonds	40.74	38.05
Cash	2.67	3.69
Other	0.39	10.93
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 8 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	34.28	34.28	-	-
⊖ Vanguard Total Bond Market II Idx Inv	-	28.12	62.40	-	-
⊖ Vanguard Total Intl Stock Index Inv	-	22.80	85.20	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	12.02	97.22	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	1.42	98.63	-	-
⊕ Mktliq 12/31/2049	-	0.83	99.46	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.49	99.95	-	-
⊕ Us Dollar	-	0.05	100.00	-	-

**Total Holdings 8**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2030 Fund VTHRX

**Morningstar Category**  
Target-Date 2030

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.14 is 79.71% lower than the Target-Date 2030 category average.

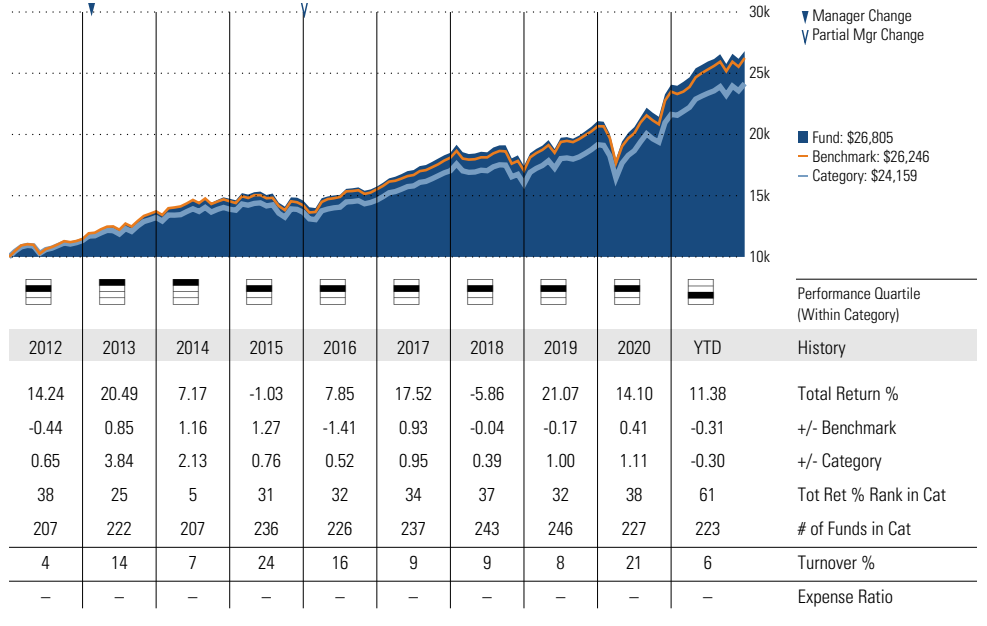
## Morningstar Investment Management LLC Analysis

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.

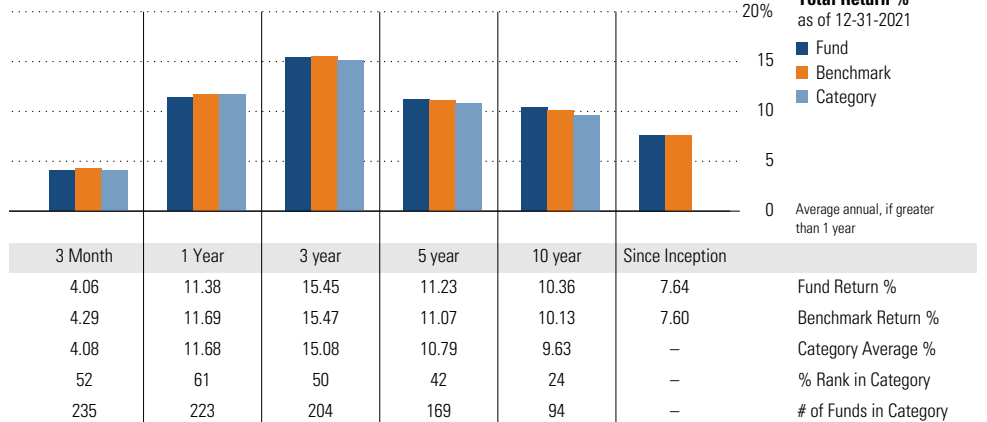
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

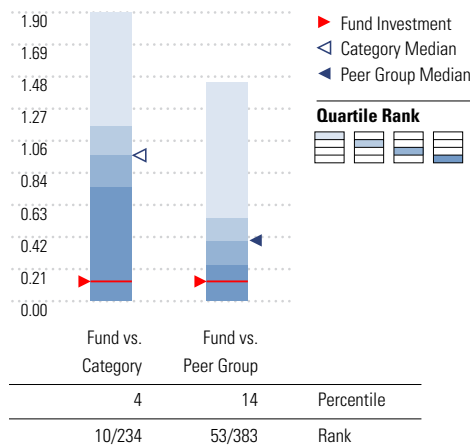
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.14	-	-0.09
Beta	0.99	-	0.97
R-Squared	99.18	-	98.04
Standard Deviation	11.97	12.05	11.82
Sharpe Ratio	1.19	1.19	1.17
Tracking Error	1.09	-	1.88
Information Ratio	-0.02	-	-0.24
Up Capture Ratio	100.36	-	97.95
Down Capture Ratio	101.08	-	100.08

## Portfolio Metrics

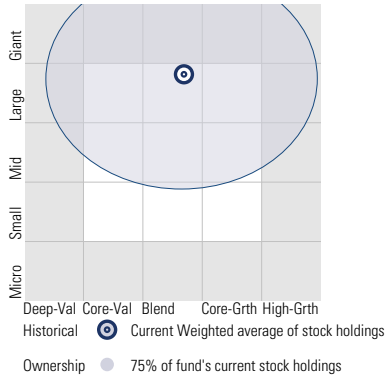
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.17	19.00	20.41
Price/Book Ratio	2.72	2.66	2.97
Avg Eff Duration	7.37	10.06	6.72

# Vanguard Target Retirement 2030 Fund VTHRX

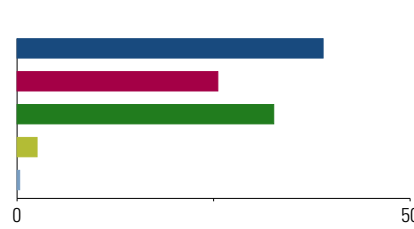
**Morningstar Category**  
Target-Date 2030

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

**Style Analysis** as of 12-31-2021  
Morningstar Style Box™

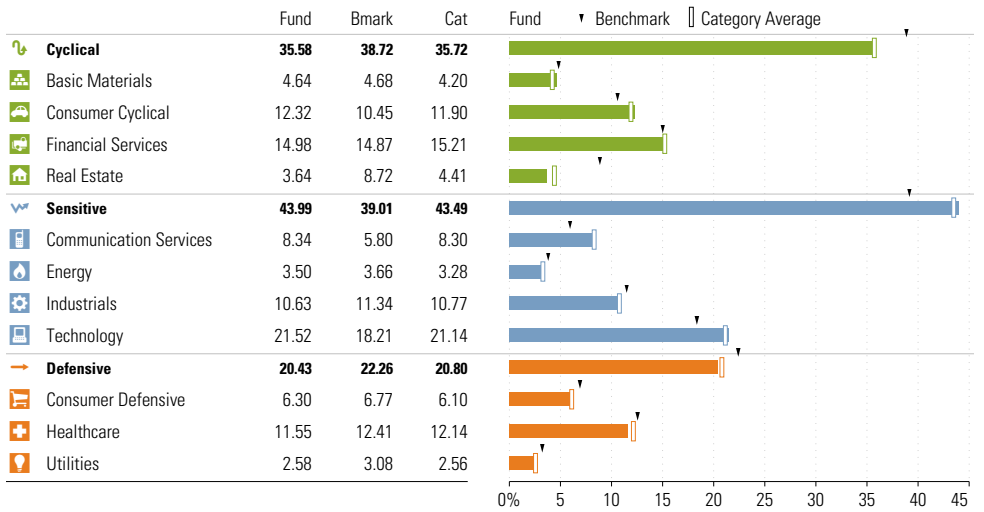


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	38.93	37.02
Non-US Stocks	25.54	19.27
Bonds	32.65	29.51
Cash	2.54	2.41
Other	0.33	11.79
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Style Breakdown**



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	39.32	39.32	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	26.17	65.49	—	—
⊖ Vanguard Total Bond Market II Idx Inv	—	23.21	88.70	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	10.02	98.72	—	—
⊕ Mktliq 12/31/2049	—	0.82	99.54	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	0.43	99.97	—	—
⊕ Us Dollar	—	0.03	100.00	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2035 Fund VTTX

**Morningstar Category**  
Target-Date 2035

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.14 is 80% lower than the Target-Date 2035 category average.

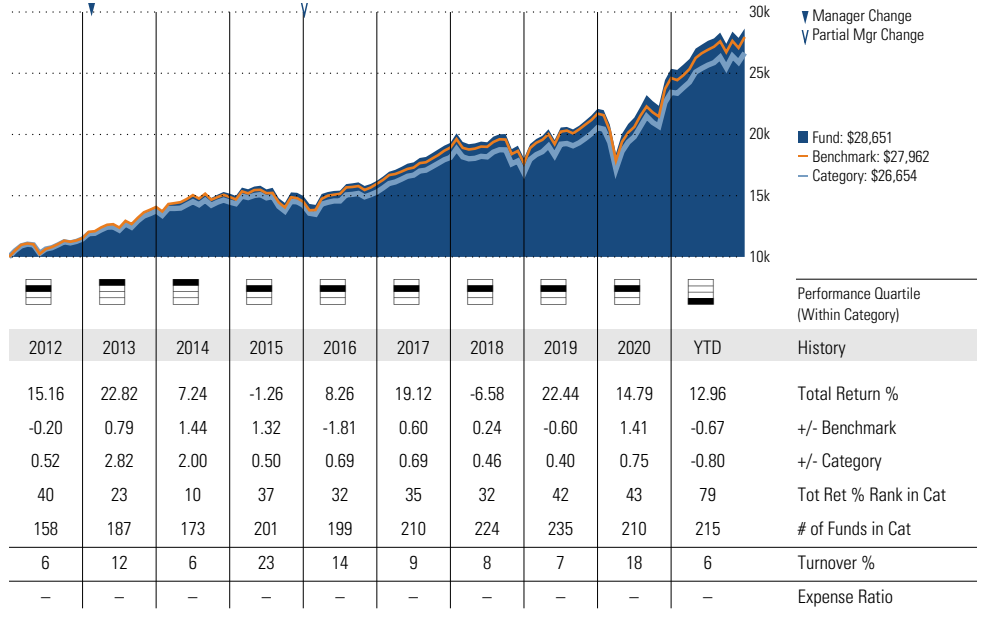
## Morningstar Investment Management LLC Analysis

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

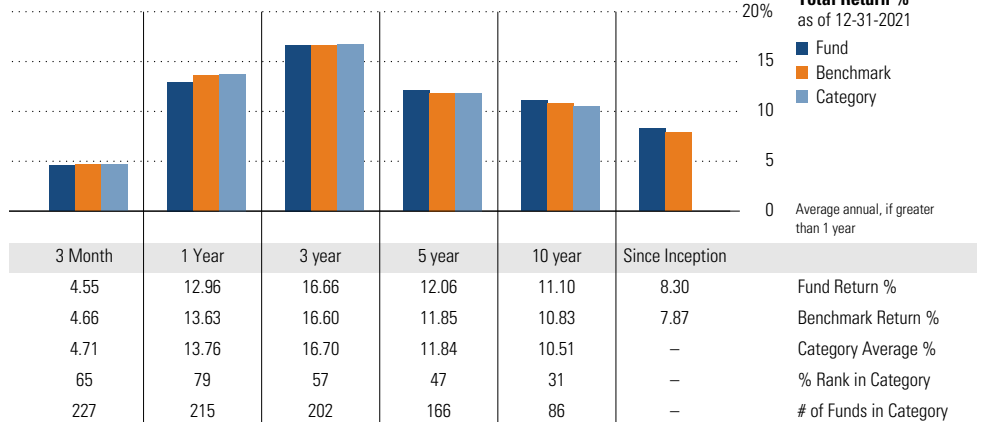
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

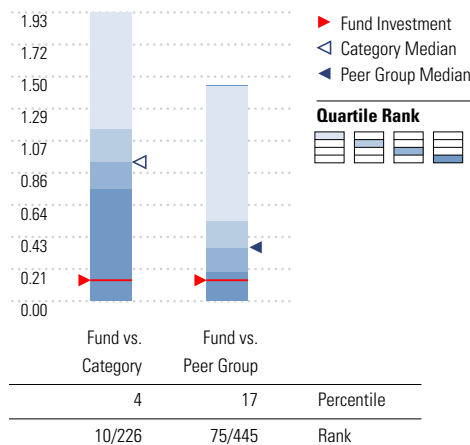
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.78	-	0.56
Beta	0.95	-	0.97
R-Squared	99.40	-	98.46
Standard Deviation	13.24	13.88	13.52
Sharpe Ratio	1.17	1.12	1.15
Tracking Error	1.23	-	1.91
Information Ratio	0.05	-	0.14
Up Capture Ratio	97.75	-	98.92
Down Capture Ratio	94.47	-	97.06

## Portfolio Metrics

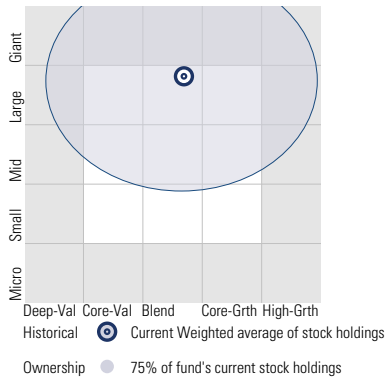
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	18.79	20.13
Price/Book Ratio	2.72	2.63	2.89
Avg Eff Duration	7.37	10.62	6.71

# Vanguard Target Retirement 2035 Fund VTTHX

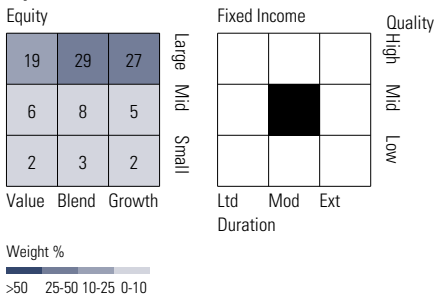
**Morningstar Category**  
Target-Date 2035

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

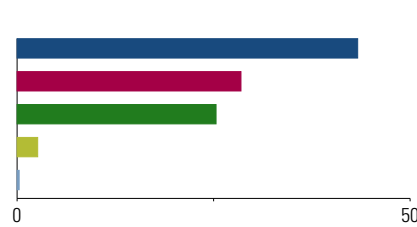
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

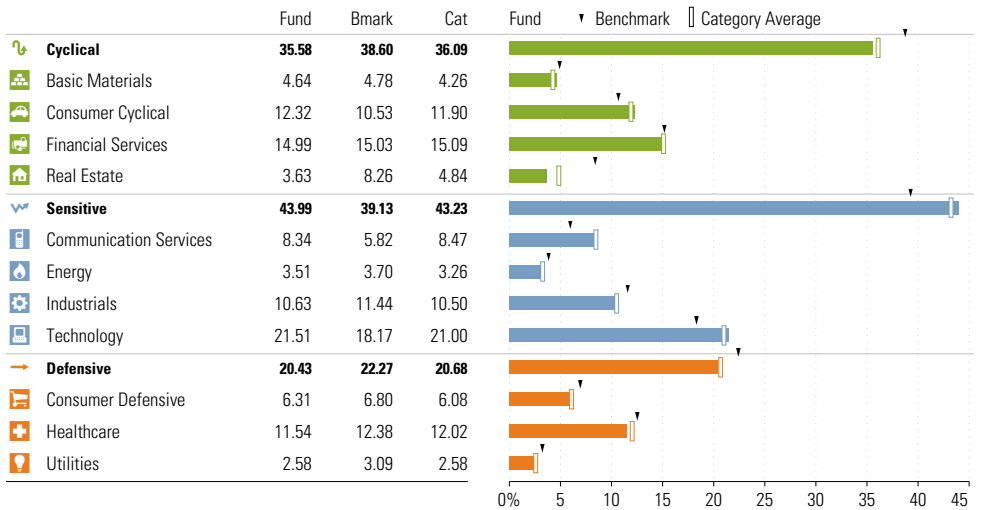


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	43.33	43.76
Non-US Stocks	28.48	24.21
Bonds	25.31	19.06
Cash	2.62	2.35
Other	0.26	10.60
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	43.75	43.75	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	29.19	72.94	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	18.08	91.02	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	7.76	98.78	-	-
⊕ Mktliq 12/31/2049	-	0.94	99.72	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.26	99.98	-	-
⊕ Us Dollar	-	0.02	100.00	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2040 Fund VFORX

**Morningstar Category**  
Target-Date 2040

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.14 is 80.28% lower than the Target-Date 2040 category average.

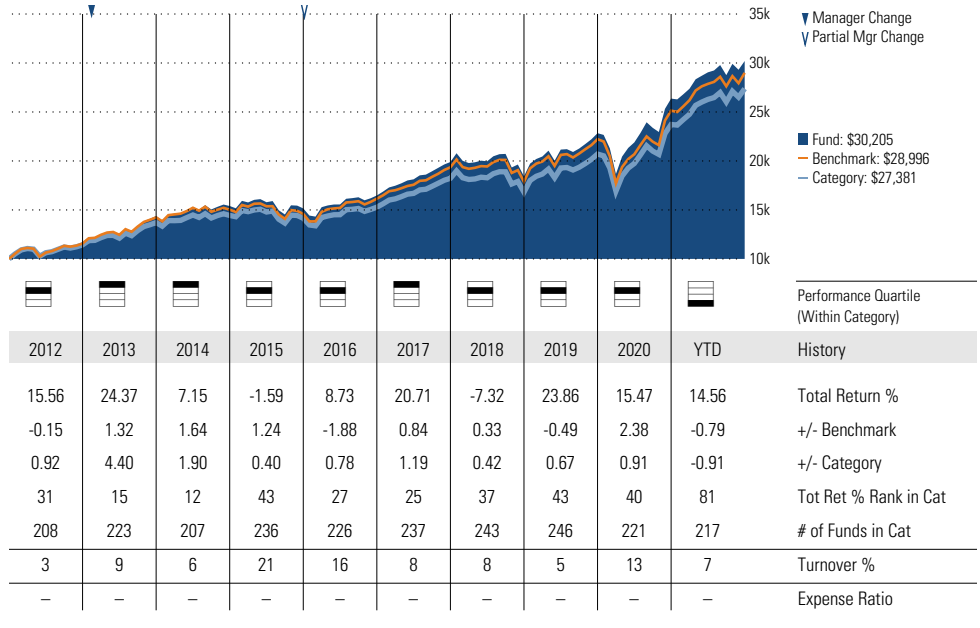
## Morningstar Investment Management LLC Analysis

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

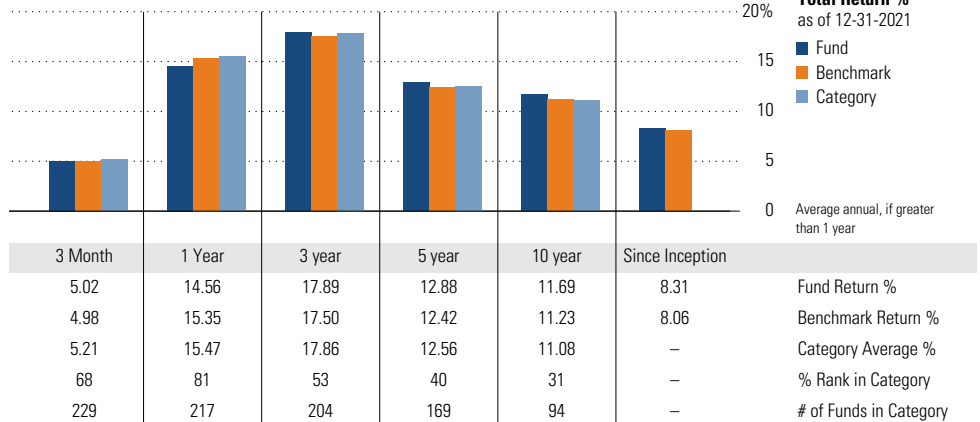
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

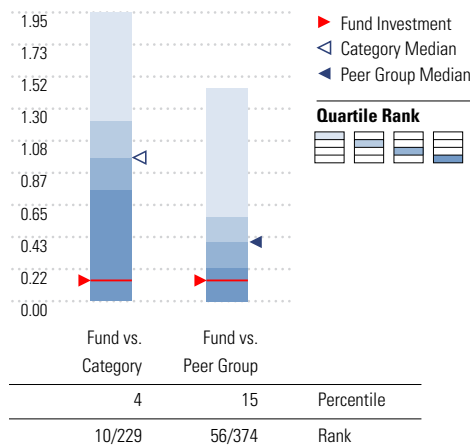
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.30	-	1.11
Beta	0.94	-	0.95
R-Squared	99.36	-	98.53
Standard Deviation	14.51	15.45	14.78
Sharpe Ratio	1.15	1.07	1.14
Tracking Error	1.52	-	2.03
Information Ratio	0.26	-	0.33
Up Capture Ratio	97.40	-	98.47
Down Capture Ratio	92.00	-	94.22

## Portfolio Metrics

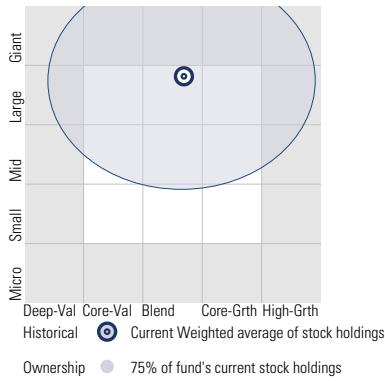
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.15	18.59	20.08
Price/Book Ratio	2.72	2.59	2.88
Avg Eff Duration	7.38	11.10	6.67

# Vanguard Target Retirement 2040 Fund VFORX

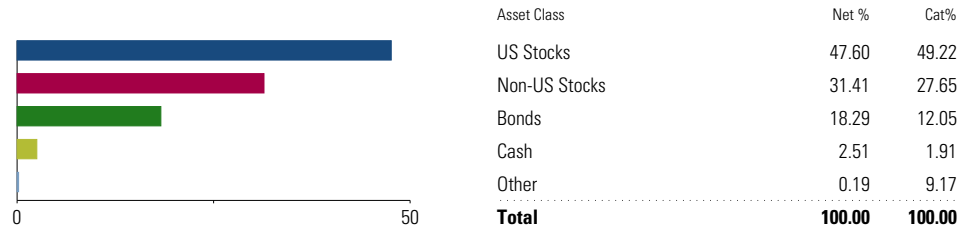
**Morningstar Category**  
Target-Date 2040

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

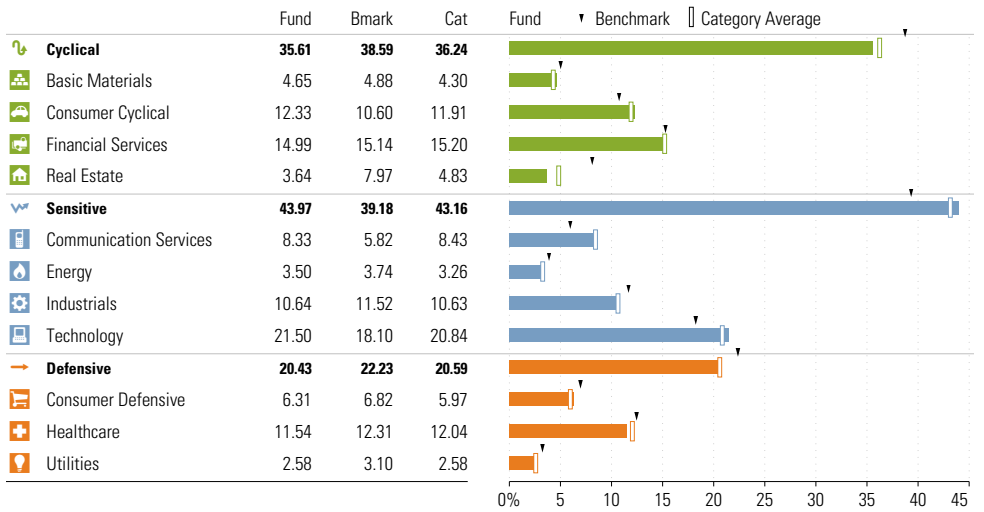
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



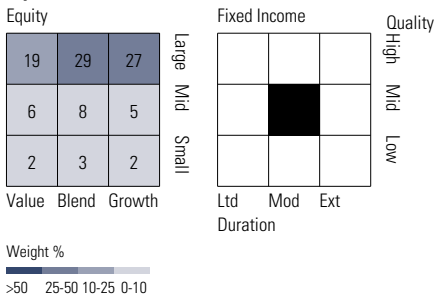
**Asset Allocation** as of 12-31-2021



**Sector Weighting** as of 12-31-2021



**Style Breakdown**



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	48.07	48.07	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	32.19	80.25	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	12.95	93.20	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	5.87	99.07	—	—
⊖ Mktliq 12/31/2049	—	0.89	99.96	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	0.04	100.00	—	—
⊕ Us Dollar	—	0.00	100.00	—	—

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2045 Fund VTIVX

**Morningstar Category**  
Target-Date 2045

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 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 0.15 is 78.87% lower than the Target-Date 2045 category average.

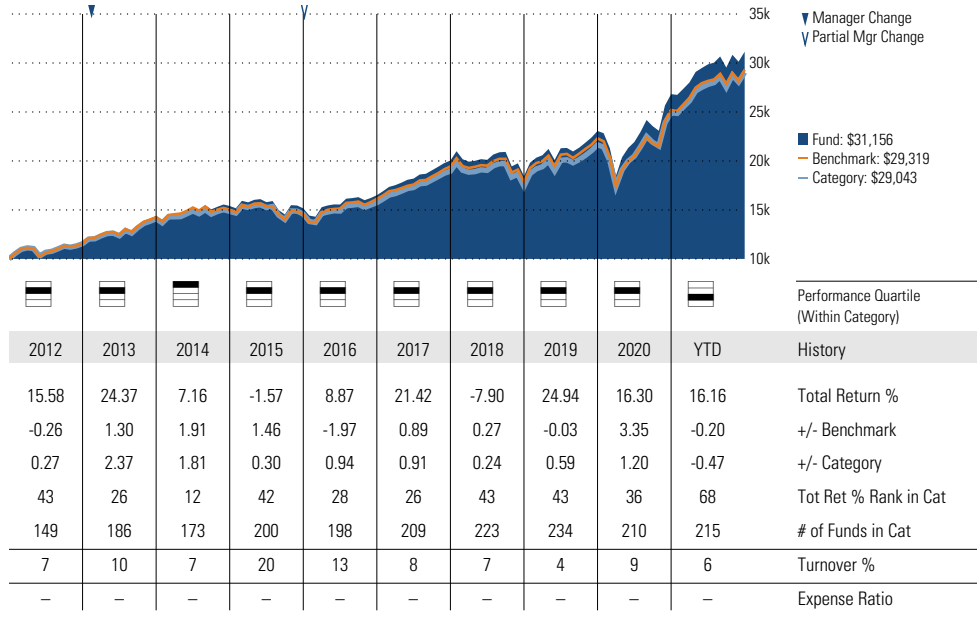
## Morningstar Investment Management LLC Analysis

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

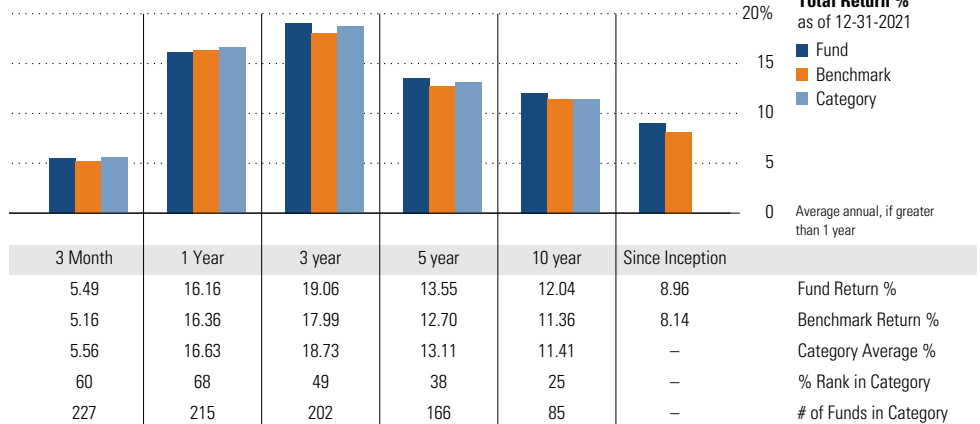
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

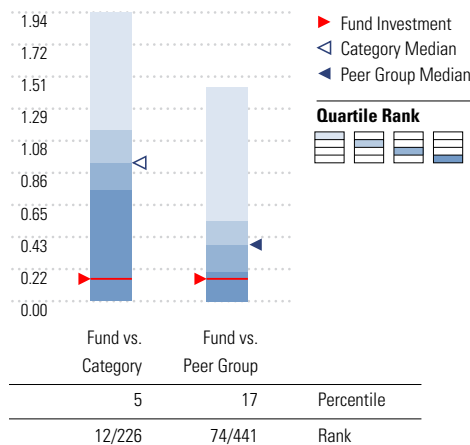
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.57	-	1.42
Beta	0.96	-	0.95
R-Squared	99.26	-	98.55
Standard Deviation	15.74	16.36	15.62
Sharpe Ratio	1.14	1.05	1.13
Tracking Error	1.52	-	2.06
Information Ratio	0.71	-	0.46
Up Capture Ratio	100.21	-	98.96
Down Capture Ratio	94.21	-	93.70

## Portfolio Metrics

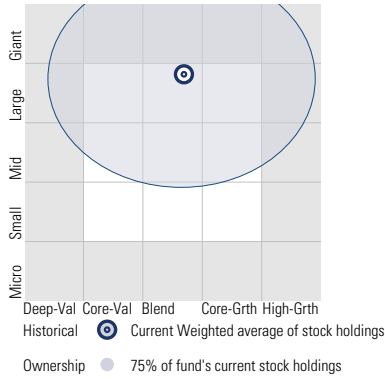
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	18.43	20.08
Price/Book Ratio	2.72	2.56	2.85
Avg Eff Duration	7.35	11.53	6.60

# Vanguard Target Retirement 2045 Fund VTIVX

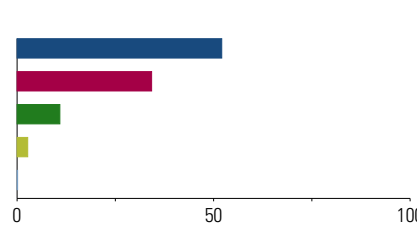
**Morningstar Category**  
Target-Date 2045

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

**Style Analysis** as of 12-31-2021  
Morningstar Style Box™

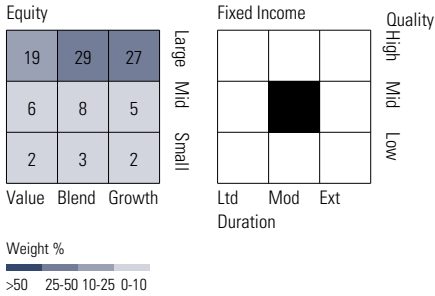


**Asset Allocation** as of 12-31-2021

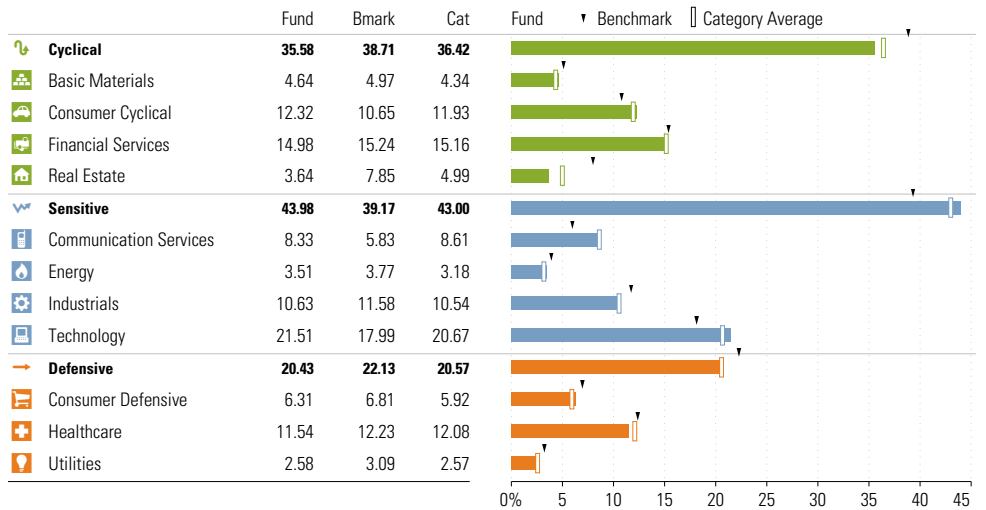


Asset Class	Net %	Cat%
US Stocks	52.07	52.24
Non-US Stocks	34.23	29.89
Bonds	10.88	6.68
Cash	2.70	1.74
Other	0.13	9.43
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Style Breakdown**



**Sector Weighting** as of 12-31-2021



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	52.58	52.58	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.07	87.65	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	7.86	95.51	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	3.31	98.83	-	-
⊕ Mktliq 12/31/2049	-	1.12	99.94	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.05	100.00	-	-
⊕ Us Dollar	-	0.00	100.00	-	-

**Total Holdings 7**

⊕ 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  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 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 0.15 is 79.17% lower than the Target-Date 2050 category average.

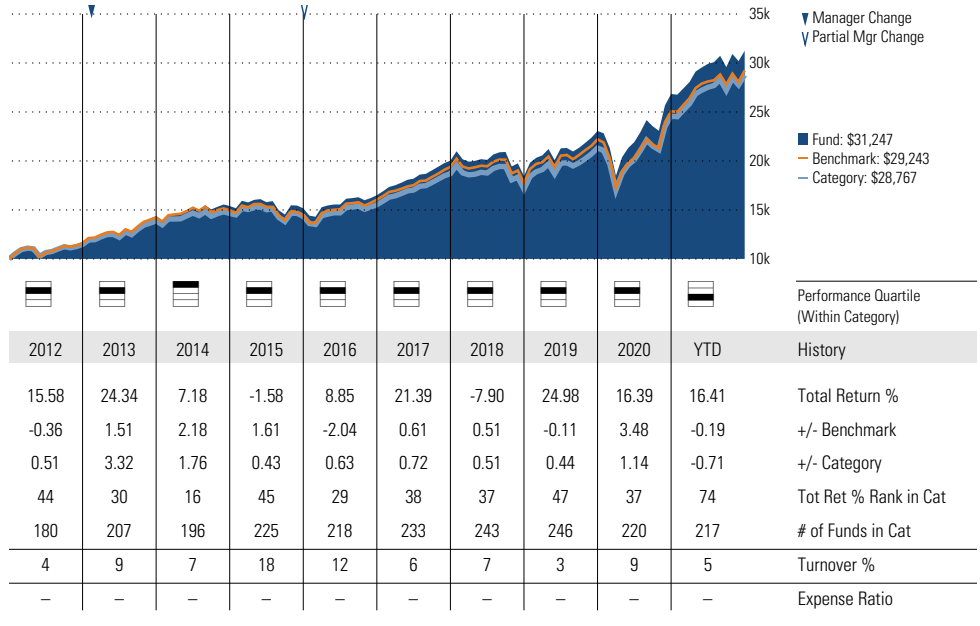
## Morningstar Investment Management LLC Analysis

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.

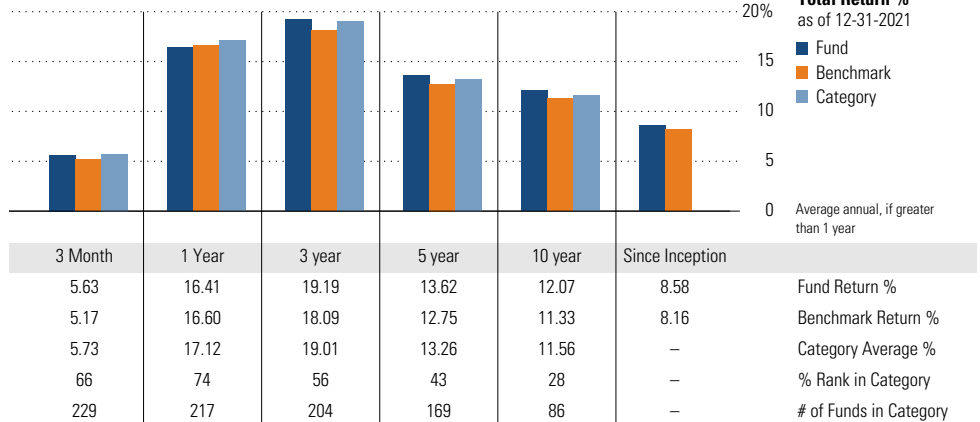
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

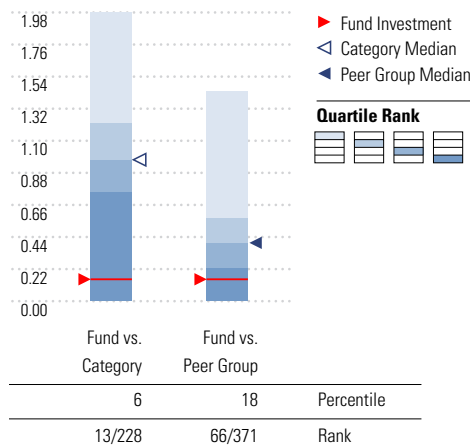
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.85	-	1.56
Beta	0.94	-	0.95
R-Squared	99.20	-	98.48
Standard Deviation	15.77	16.69	15.93
Sharpe Ratio	1.14	1.03	1.12
Tracking Error	1.72	-	2.08
Information Ratio	0.64	-	0.48
Up Capture Ratio	99.28	-	99.27
Down Capture Ratio	92.29	-	93.61

## Portfolio Metrics

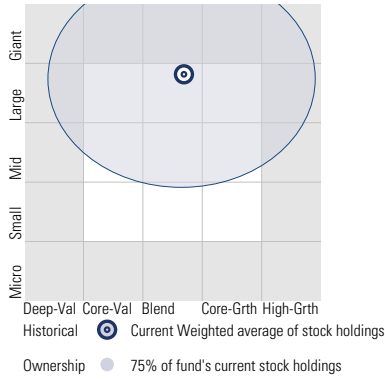
	Fund	Bmark	Cat
Price/Earnings Ratio	19.16	18.28	19.97
Price/Book Ratio	2.72	2.53	2.83
Avg Eff Duration	7.40	-	6.55

# Vanguard Target Retirement 2050 Fund VFI5X

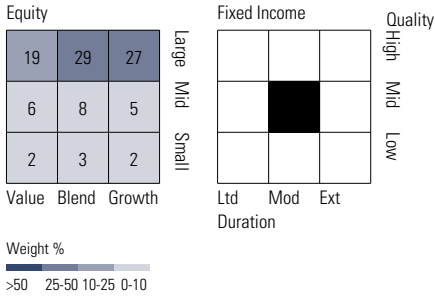
**Morningstar Category**  
Target-Date 2050

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

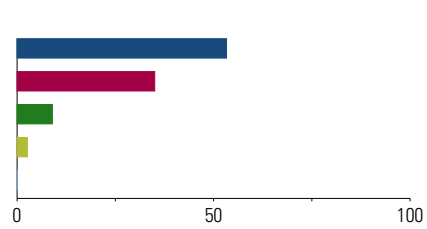
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

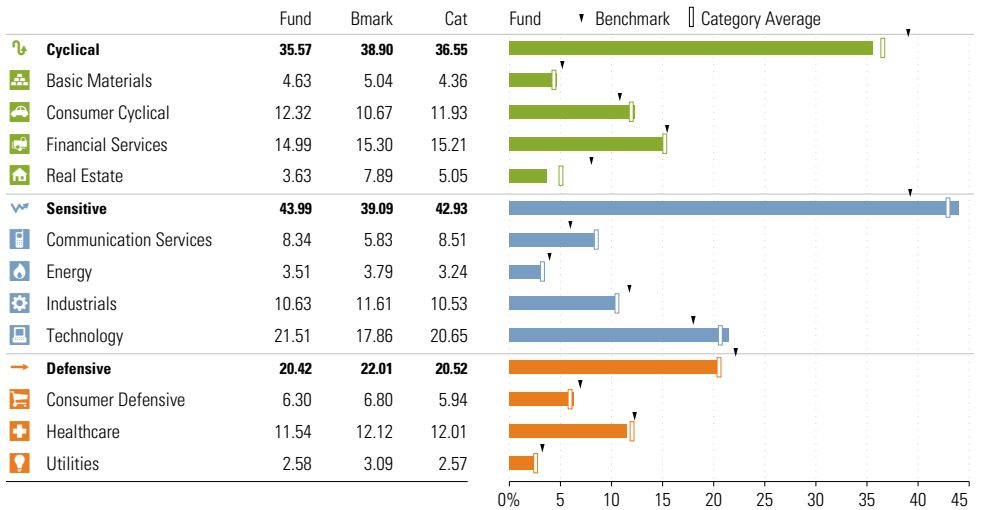


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	53.29	54.14
Non-US Stocks	35.02	31.39
Bonds	8.97	5.50
Cash	2.61	1.41
Other	0.11	7.55
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	53.82	53.82	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.89	89.71	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.25	95.95	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	2.92	98.87	-	-
⊕ Mktliq 12/31/2049	-	1.00	99.87	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.08	99.95	-	-
⊕ Us Dollar	-	0.05	100.00	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2055 Fund VFFVX

**Morningstar Category**  
Target-Date 2055

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 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 0.15 is 78.87% lower than the Target-Date 2055 category average.

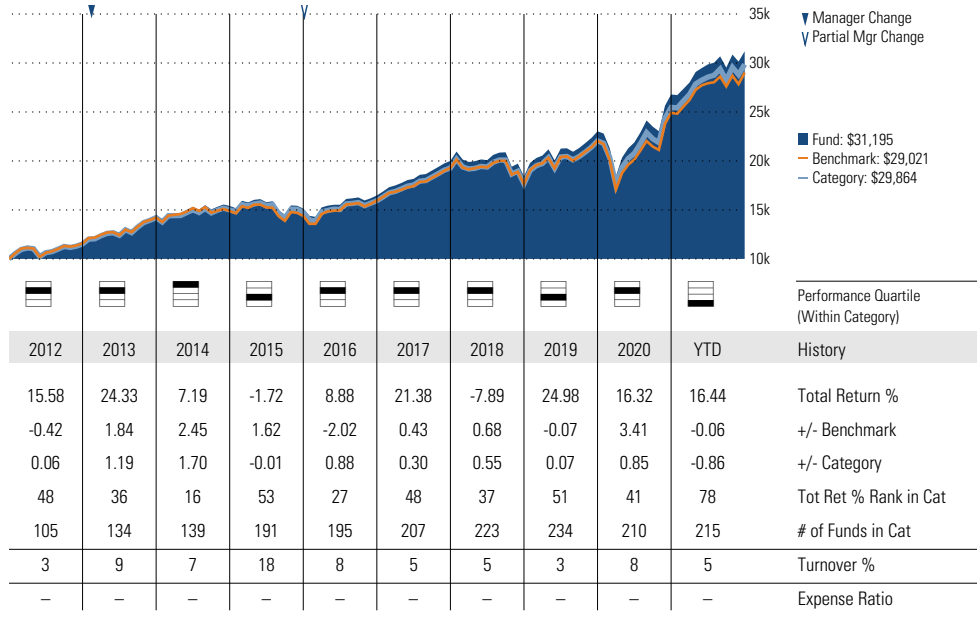
## Morningstar Investment Management LLC Analysis

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.

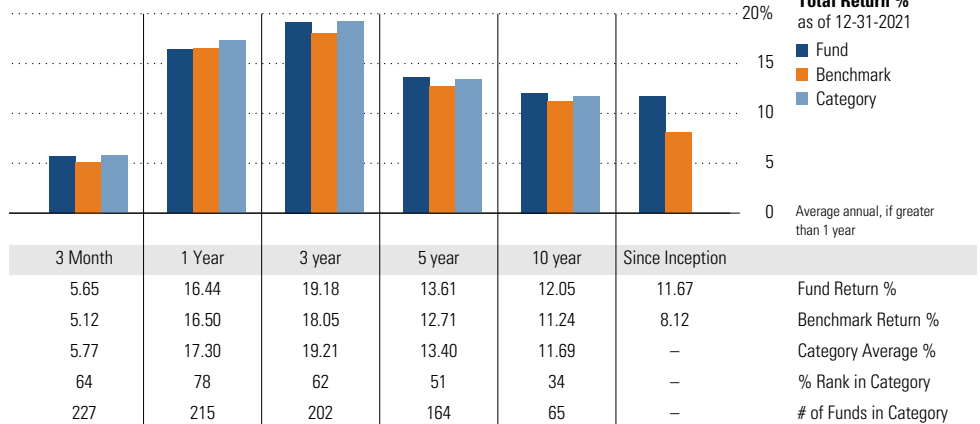
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

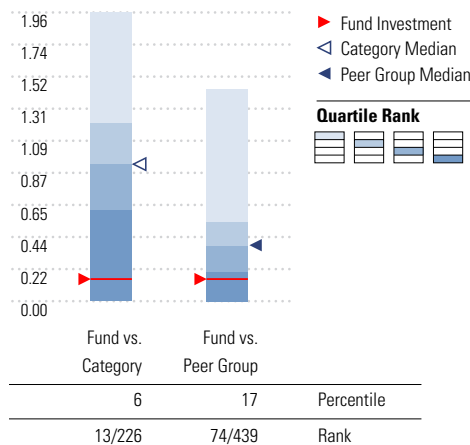
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.96	-	1.68
Beta	0.94	-	0.95
R-Squared	99.14	-	98.43
Standard Deviation	15.77	16.78	16.07
Sharpe Ratio	1.14	1.03	1.12
Tracking Error	1.81	-	2.10
Information Ratio	0.62	-	0.56
Up Capture Ratio	99.04	-	99.94
Down Capture Ratio	91.67	-	93.93

## Portfolio Metrics

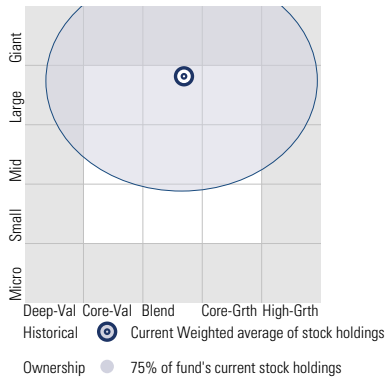
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.18	18.14	19.70
Price/Book Ratio	2.73	2.50	2.77
Avg Eff Duration	7.37	-	6.64

# Vanguard Target Retirement 2055 Fund VFFVX

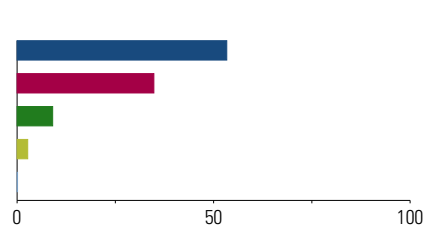
**Morningstar Category**  
Target-Date 2055

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

**Style Analysis** as of 12-31-2021  
Morningstar Style Box™

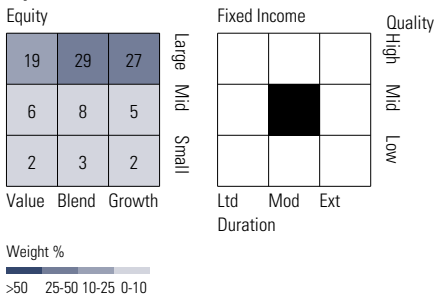


**Asset Allocation** as of 12-31-2021

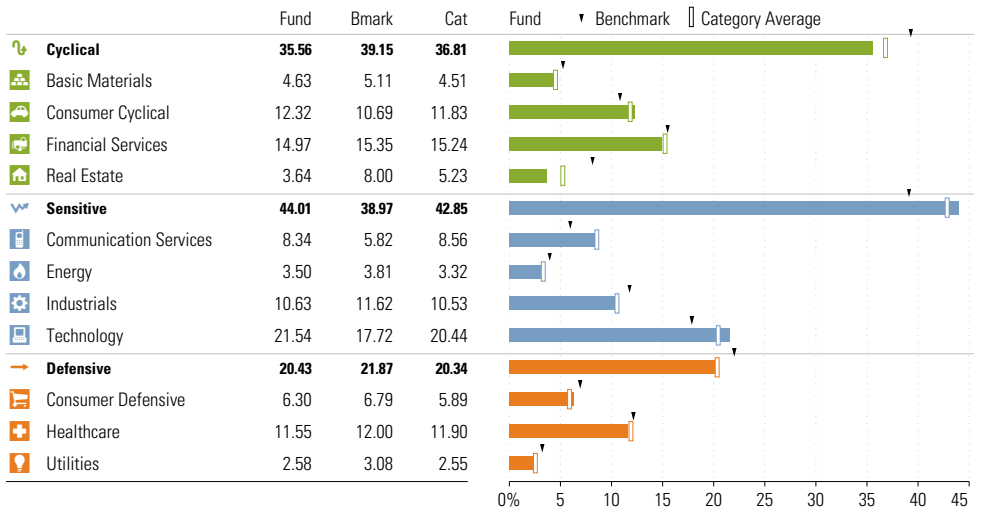


Asset Class	Net %	Cat%
US Stocks	53.35	54.17
Non-US Stocks	34.80	34.51
Bonds	9.05	4.53
Cash	2.70	1.52
Other	0.11	5.27
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Style Breakdown**



**Sector Weighting** as of 12-31-2021



**Top 7 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	-	53.88	53.88	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	35.65	89.53	-	-
⊕ Vanguard Total Bond Market II Idx Inv	-	6.47	96.00	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	2.67	98.66	-	-
⊕ Mktliq 12/31/2049	-	1.09	99.76	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.19	99.95	-	-
⊕ Us Dollar	-	0.05	100.00	-	-

**Total Holdings 7**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 category's top three quartiles in 8 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 8.86 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 0.15 is 79.17% lower than the Target-Date 2060 category average.

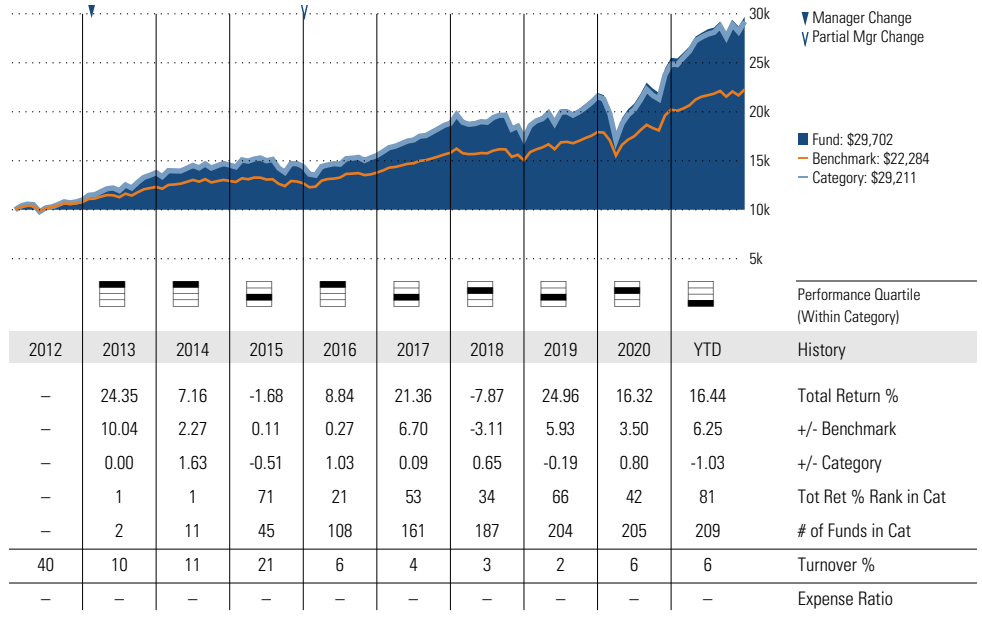
## Morningstar Investment Management LLC Analysis

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.

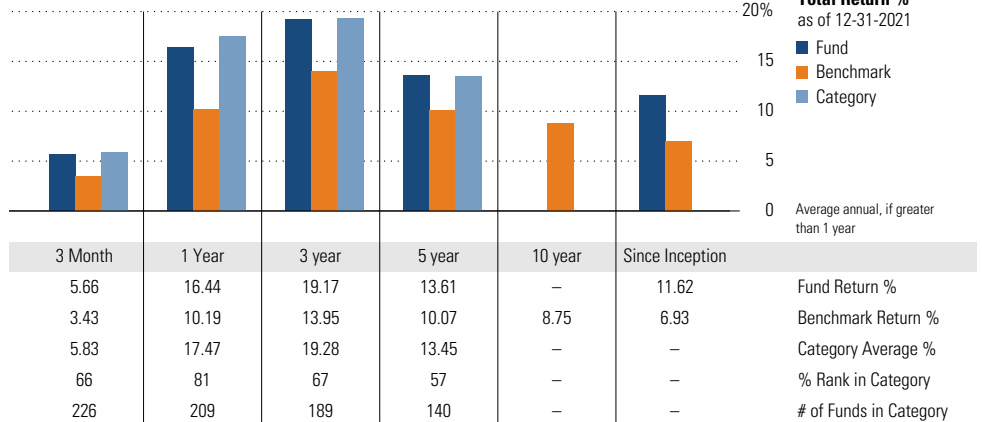
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

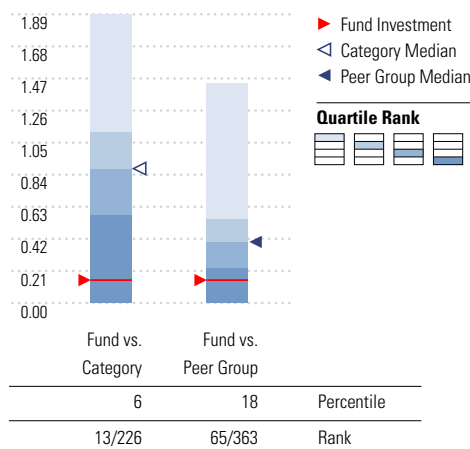
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.81	-	-1.18
Beta	1.44	-	1.47
R-Squared	98.94	-	97.94
Standard Deviation	15.75	10.91	16.20
Sharpe Ratio	1.14	1.18	1.12
Tracking Error	5.03	-	5.64
Information Ratio	1.04	-	0.94
Up Capture Ratio	142.33	-	144.58
Down Capture Ratio	151.31	-	156.44

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.21	17.96	19.81
Price/Book Ratio	2.74	2.46	2.84
Avg Eff Duration	7.32	6.79	6.51

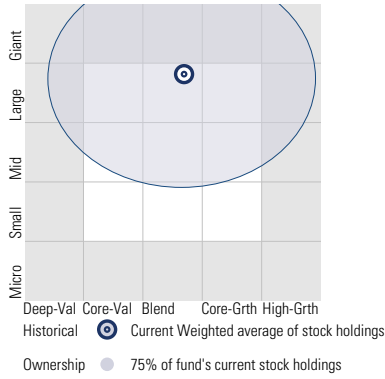
# Vanguard Target Retirement 2060 Fund VTTSX

**Morningstar Category**  
Target-Date 2060

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

## Style Analysis as of 12-31-2021

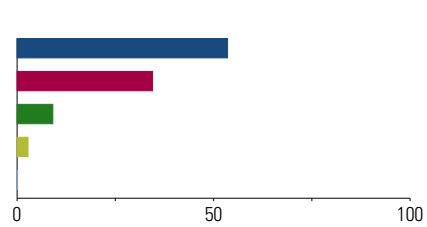
Morningstar Style Box™



## Style Breakdown

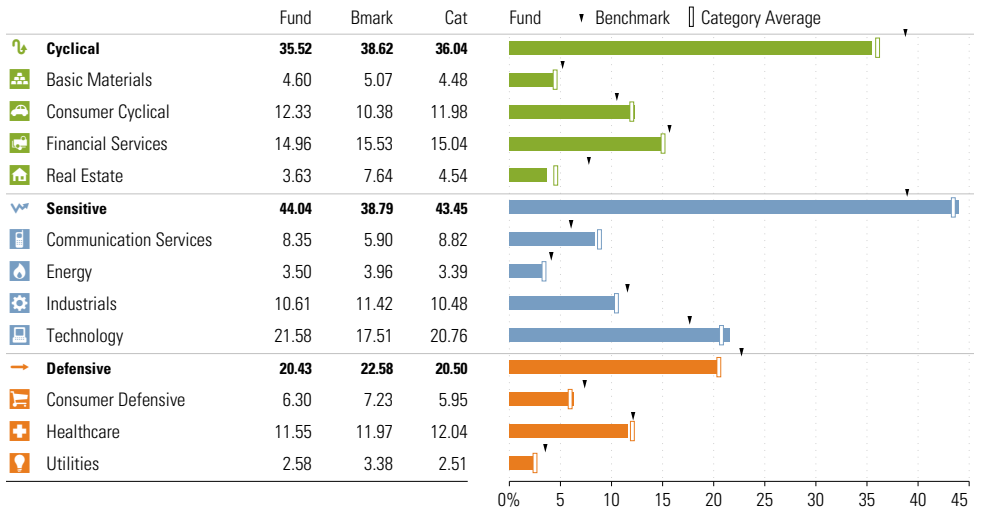


## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	53.55	54.92
Non-US Stocks	34.46	33.94
Bonds	9.09	5.31
Cash	2.78	2.14
Other	0.11	3.68
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Stock Mkt Idx Inv	—	54.09	54.09	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	35.30	89.39	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	6.73	96.12	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	2.27	98.39	—	—
⊖ Mktliq 12/31/2049	—	1.14	99.53	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	0.38	99.91	—	—
⊕ Us Dollar	—	0.09	100.00	—	—

## Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

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

## Portfolio Manager(s)

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

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 4.47 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 0.15 is 78.87% lower than the Target-Date 2065+ category average.

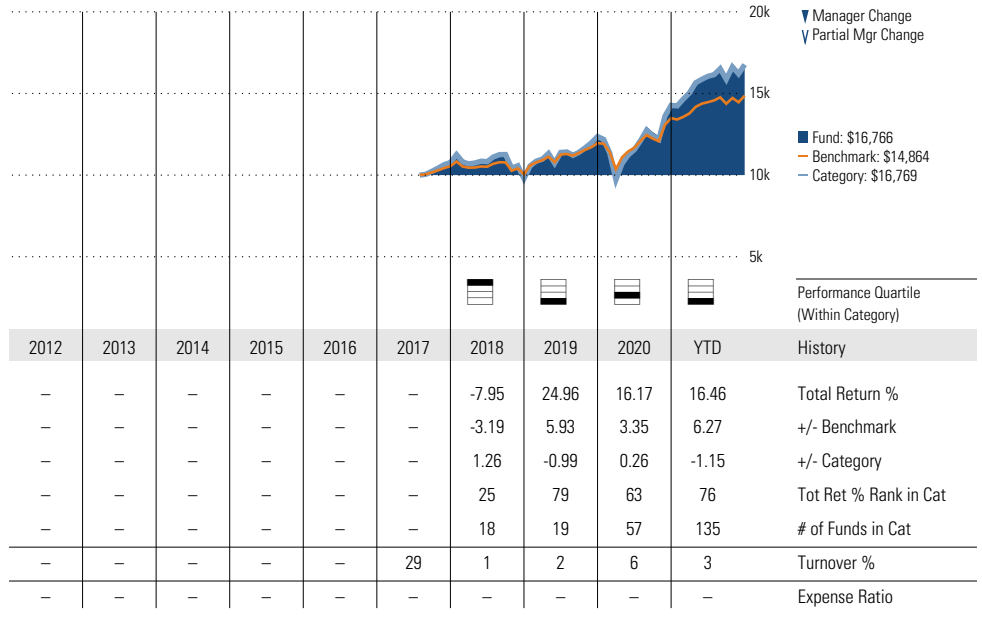
## Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen but we maintain our long-term conviction in this target-date series and continue to be comfortable recommending it for retirement plans.

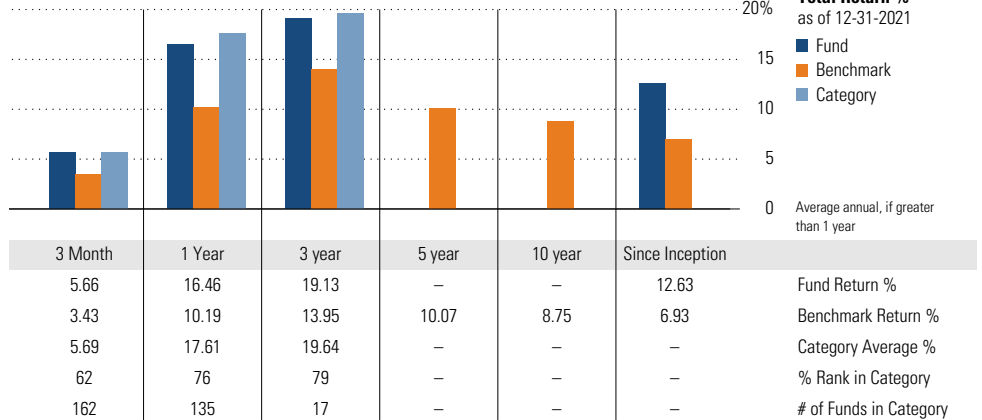
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021
Carbon Risk Score	Low Risk	09-30-2021

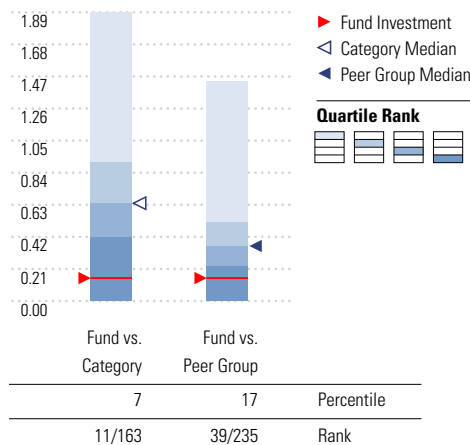
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.89	-	-1.51
Beta	1.44	-	1.53
R-Squared	98.95	-	98.02
Standard Deviation	15.79	10.91	16.83
Sharpe Ratio	1.14	1.18	1.10
Tracking Error	5.06	-	6.23
Information Ratio	1.02	-	0.92
Up Capture Ratio	142.38	-	148.16
Down Capture Ratio	151.85	-	160.92

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.13	17.96	18.85
Price/Book Ratio	2.71	2.46	2.63
Avg Eff Duration	7.31	6.79	6.56

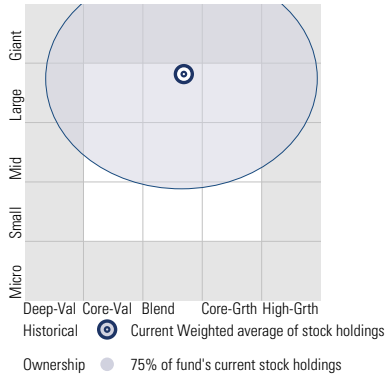
# Vanguard Target Retirement 2065 Fund VLXVX

**Morningstar Category**  
Target-Date 2065+

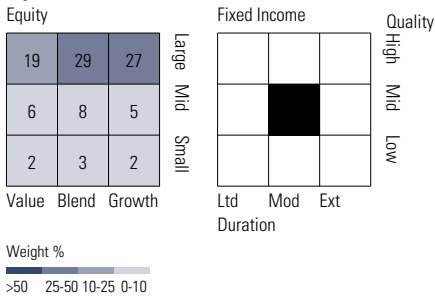
**Morningstar Index**  
Morningstar Mod Tgt Risk TR USD

## Style Analysis as of 12-31-2021

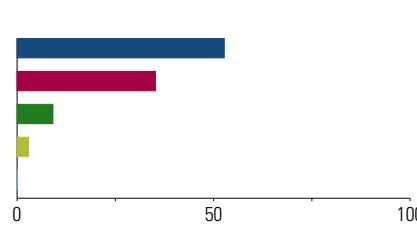
Morningstar Style Box™



## Style Breakdown

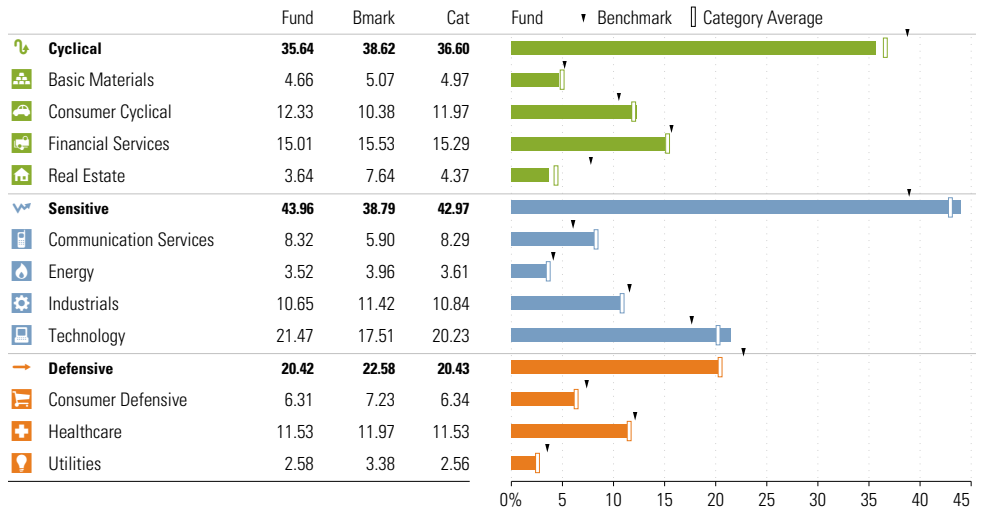


## Asset Allocation as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	52.71	46.42
Non-US Stocks	35.19	38.57
Bonds	9.12	7.50
Cash	2.87	2.10
Other	0.11	5.42
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2021



## Top 7 Holdings as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Total Stock Mkt Idx Inv	—	53.23	53.23	—	—
⊕ Vanguard Total Intl Stock Index Inv	—	36.06	89.29	—	—
⊕ Vanguard Total Bond Market II Idx Inv	—	6.80	96.09	—	—
⊕ Vanguard Total Intl Bd Idx Investor	—	1.71	97.81	—	—
⊖ Mktliq 12/31/2049	—	1.27	99.08	—	—
⊕ Vanguard Total Intl Bd II Idx Investor	—	0.89	99.97	—	—
⊕ Us Dollar	—	0.03	100.00	—	—

## Total Holdings 7

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Vanguard Target Retirement Income Fund VTINX

**Morningstar Category**  
Target-Date Retirement

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

## Portfolio Manager(s)

Walter Nejman since 02-2013  
William Coleman since 02-2013

## Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 8.86 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.12 is 82.61% lower than the Target-Date Retirement category average.

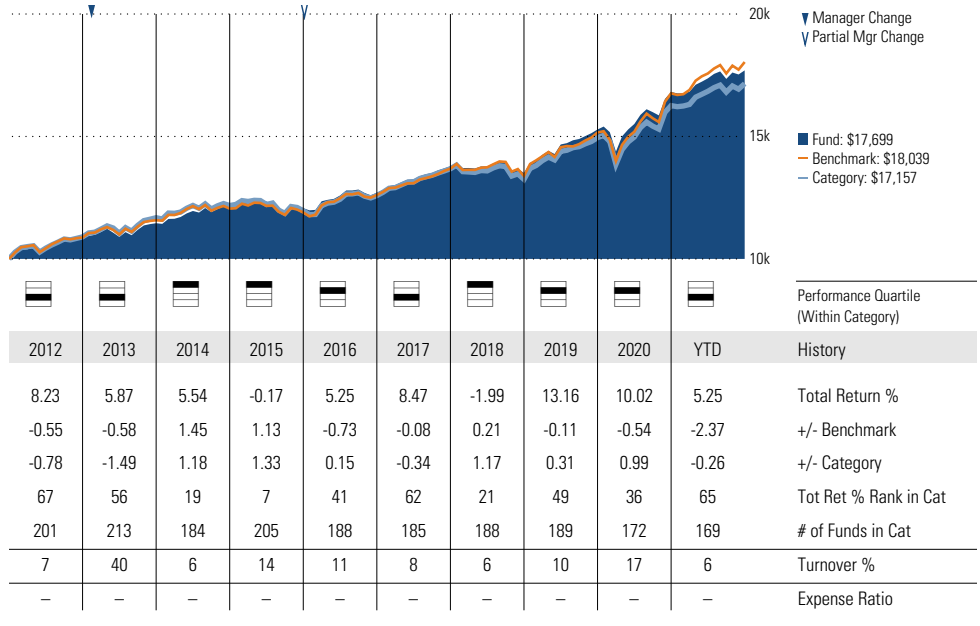
## Morningstar Investment Management LLC Analysis

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.

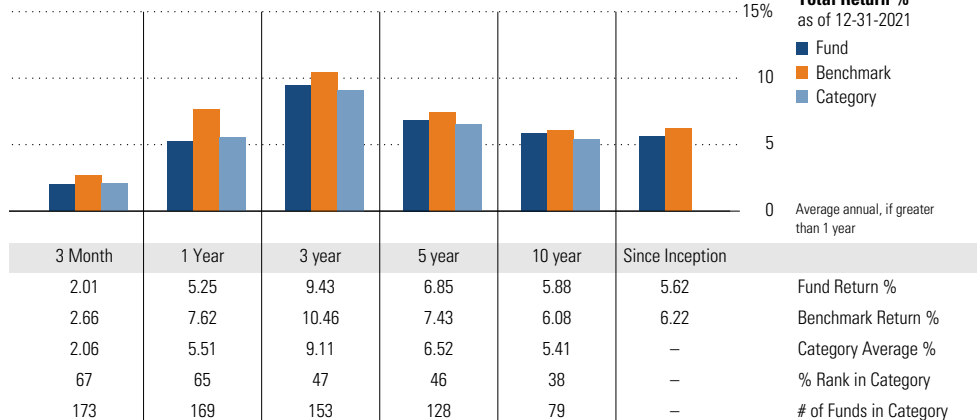
## ESG Metrics

Metric	Rating	Updated
ESG Commitment	1-Low	12-16-2021
Sustainability Rating	3	11-30-2021

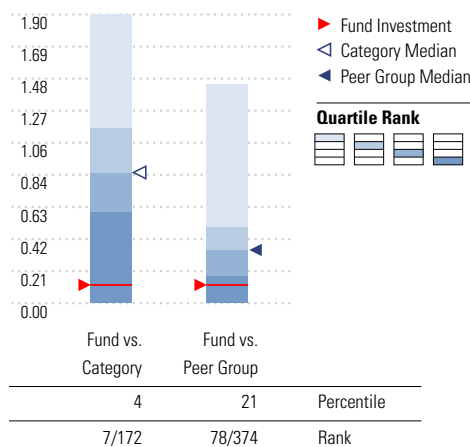
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.72	-	-0.45
Beta	0.83	-	0.92
R-Squared	97.05	-	93.71
Standard Deviation	5.87	6.97	6.64
Sharpe Ratio	1.42	1.34	1.24
Tracking Error	1.56	-	2.09
Information Ratio	-0.66	-	-0.50
Up Capture Ratio	84.36	-	87.16
Down Capture Ratio	72.74	-	85.98

## Portfolio Metrics

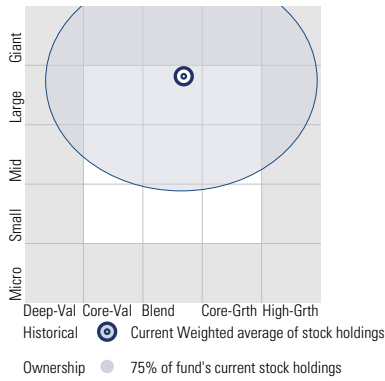
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	19.96	19.67
Price/Book Ratio	2.71	2.84	2.74
Avg Eff Duration	6.22	5.68	6.65

# Vanguard Target Retirement Income Fund VTINX

**Morningstar Category**  
Target-Date Retirement

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

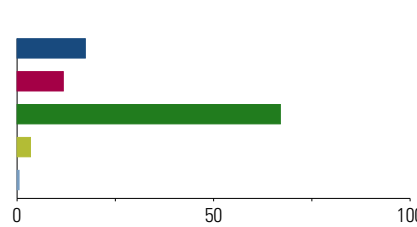
**Style Analysis** as of 12-31-2021  
Morningstar Style Box™



**Style Breakdown**

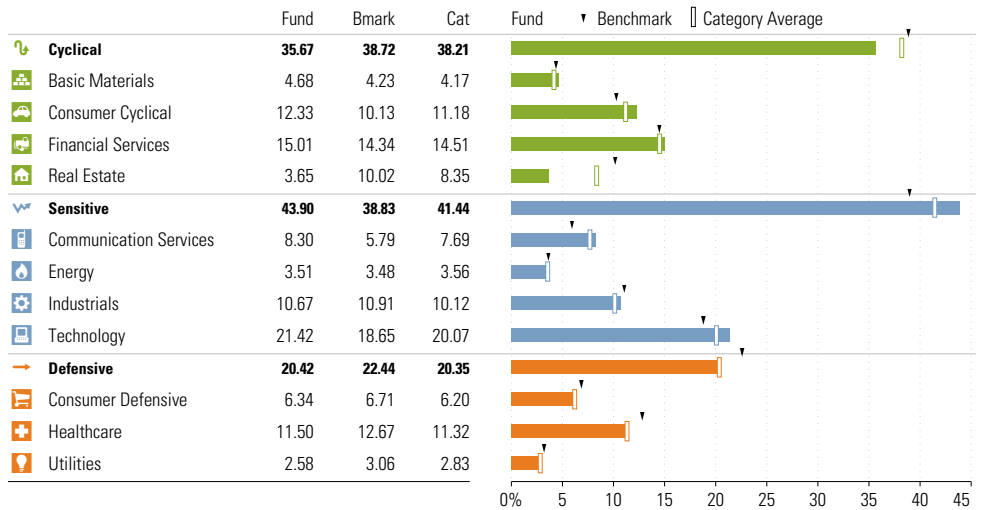


**Asset Allocation** as of 12-31-2021



Asset Class	Net %	Cat%
US Stocks	17.36	17.85
Non-US Stocks	11.75	9.93
Bonds	66.98	52.06
Cash	3.40	6.26
Other	0.50	13.91
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2021



**Top 8 Holdings** as of 12-31-2021

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Total Bond Market II Idx Inv	-	36.70	36.70	-	-
⊖ Vanguard Total Stock Mkt Idx Inv	-	17.54	54.24	-	-
⊕ Vanguard Shrt-Term Infl-Prot Sec Idx Inv	-	16.89	71.12	-	-
⊕ Vanguard Total Intl Bd Idx Investor	-	15.75	86.87	-	-
⊕ Vanguard Total Intl Stock Index Inv	-	12.05	98.92	-	-
⊕ Mktliq 12/31/2049	-	0.91	99.83	-	-
⊕ Vanguard Total Intl Bd II Idx Investor	-	0.16	99.99	-	-
⊕ Us Dollar	-	0.01	100.00	-	-

**Total Holdings 8**

⊕ Increase ⊖ Decrease ✨ New to Portfolio