

# American Funds American Balanced R6 RLBGX

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

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

## Portfolio Manager(s)

Hilda Applbaum since 01-1999  
 Gregory Johnson since 03-2003  
 Alan Berro since 03-2006  
 James Mulally since 03-2006  
 Jeffrey Lager since 03-2011  
 Michael Kerr since 03-2014  
 Paul Benjamin since 07-2014  
 Alan Wilson since 01-2016  
 John Queen since 07-2016  
 Pramod Atluri since 03-2018

## 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 21.01 years.

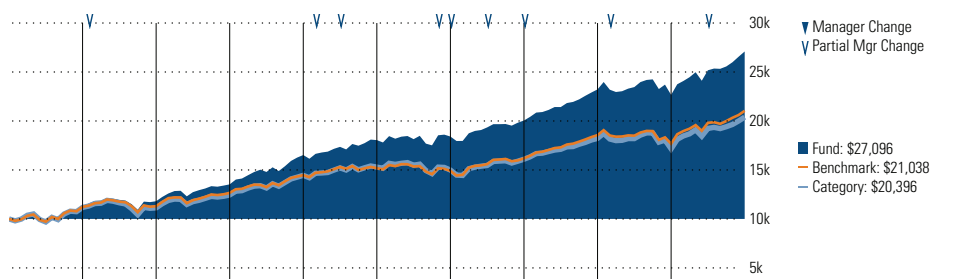
✘ **Style:** The fund has landed in its primary style box — Large Blend — 63.64 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.28 is 73.58% lower than the Allocation--50% to 70% Equity category average.

## Morningstar Investment Management LLC Analysis

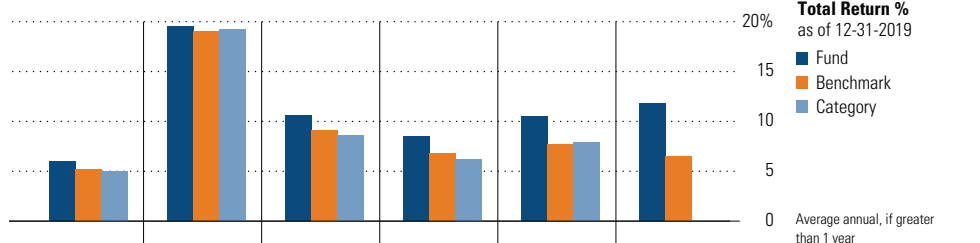
This fund fails our current style screen. However, as an allocation fund it is not expected to adhere to a strict style discipline, so the screen failure does not concern us and we are still comfortable using this fund.

## Growth of \$10,000



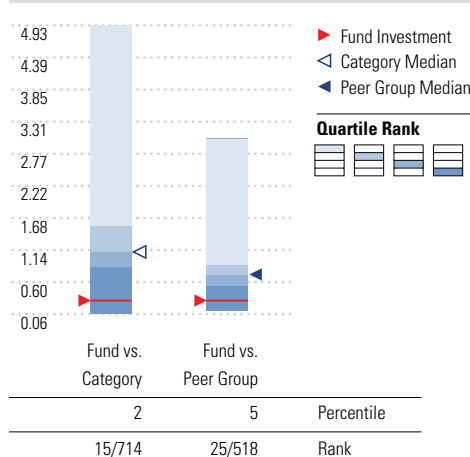
	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
Performance Quartile (Within Category)	III	III	III	III	III	III	III	III	III	III	History
Total Return %	13.39	4.16	14.57	22.12	9.22	2.03	8.90	15.84	-2.42	19.55	Total Return %
+/- Benchmark	1.06	3.57	2.53	7.81	4.33	3.82	0.33	1.18	2.34	0.52	+/- Benchmark
+/- Category	1.56	4.27	2.85	5.64	3.01	3.96	1.56	2.63	3.34	0.32	+/- Category
Tot Ret % Rank in Cat	23	7	9	5	16	3	20	15	8	48	Tot Ret % Rank in Cat
# of Funds in Cat	420	440	467	533	547	571	623	644	688	699	# of Funds in Cat
Turnover %	37	47	54	55	68	82	79	95	72	-	Turnover %
Expense Ratio	-	-	0.30	0.29	0.29	0.29	0.29	0.28	0.28	-	Expense Ratio

## Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
Fund Return %	5.98	19.55	10.56	8.47	10.48	11.82	Fund Return %
Benchmark Return %	5.23	19.03	9.13	6.75	7.72	6.50	Benchmark Return %
Category Average %	5.03	19.23	8.55	6.22	7.90	-	Category Average %
% Rank in Category	15	48	12	6	5	-	% Rank in Category
# of Funds in Category	716	699	644	571	420	-	# of Funds in Category

## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.21	-	-1.21
Beta	1.01	-	1.08
R-Squared	95.68	-	92.31
Standard Deviation	7.00	6.76	7.61
Sharpe Ratio	1.23	1.07	0.90
Tracking Error	1.46	-	2.23
Information Ratio	0.98	-	-0.30
Up Capture Ratio	108.30	-	101.02
Down Capture Ratio	97.52	-	113.02

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.53	17.25	17.99
Price/Book Ratio	2.62	2.05	2.31
Avg Eff Duration	6.00	-	4.38

# American Funds American Balanced R6 RLBGX

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

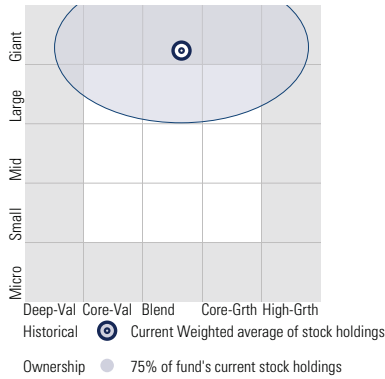
**Morningstar Index**

Morningstar Mod Tgt Risk TR USD

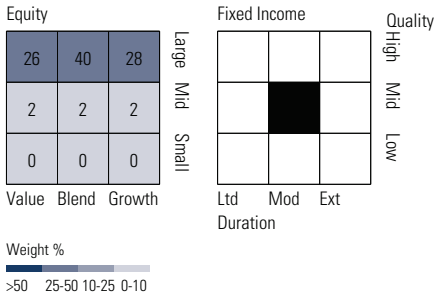
Equity

## Style Analysis as of 12-31-2019

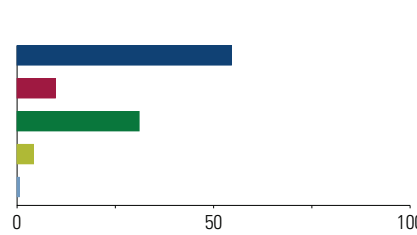
Morningstar Style Box™



## Style Breakdown

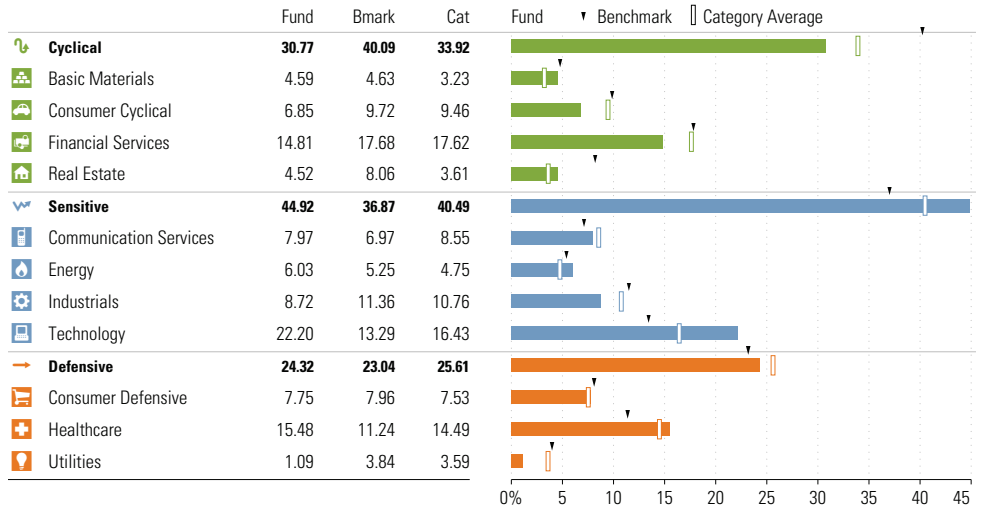


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	54.52	40.06
Non-US Stocks	9.72	8.77
Bonds	31.04	26.40
Cash	4.17	5.40
Other	0.55	19.37
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	—	4.79	4.79	57.12	Technology
⊖ Capital Group Central Cash Fund	—	4.69	9.47	—	—
⊕ UnitedHealth Group Inc	—	3.10	12.57	19.67	Healthcare
⊕ Taiwan Semiconductor Manufacturing Co Ltd ADR	—	2.04	14.62	62.84	Technology
⊕ Berkshire Hathaway Inc A	—	2.04	16.66	10.98	Financial Services
⊕ Broadcom Inc	—	1.74	18.40	28.68	Technology
⊕ Philip Morris International Inc	—	1.55	19.95	34.38	Consumer Defensive
⊖ The Home Depot Inc	—	1.55	21.50	30.26	Consumer Cyclical
⊕ Boeing Co	—	1.54	23.04	3.56	Industrials
⊖ Intel Corp	—	1.33	24.37	30.22	Technology

**Total Holdings 1840**

⊕ 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  
Michael Cohen since 07-2018

## Quantitative Screens

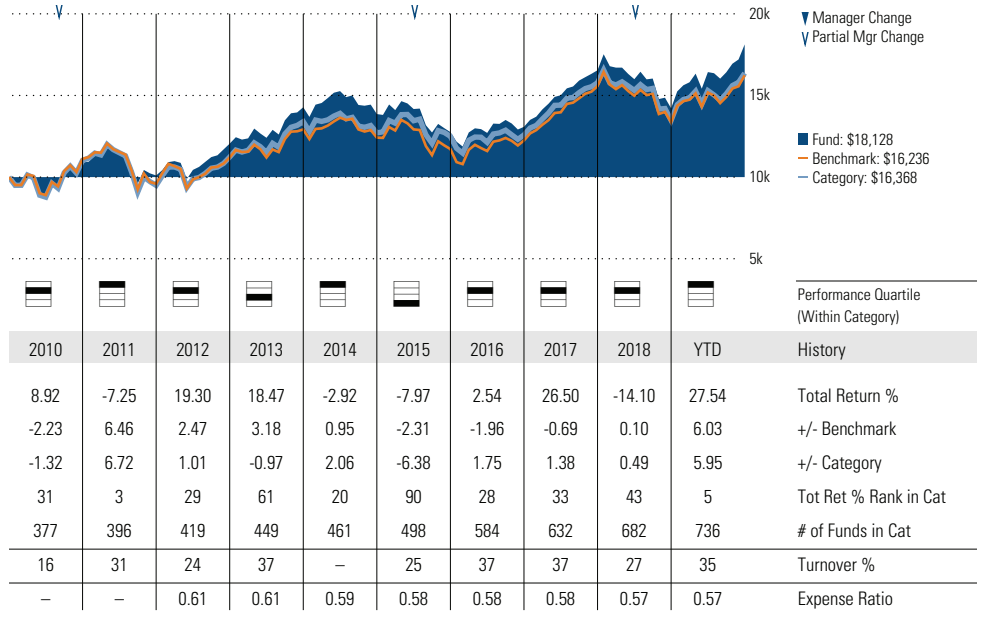
✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.25 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 0.57 is 41.24% lower than the Foreign Large Blend category average.

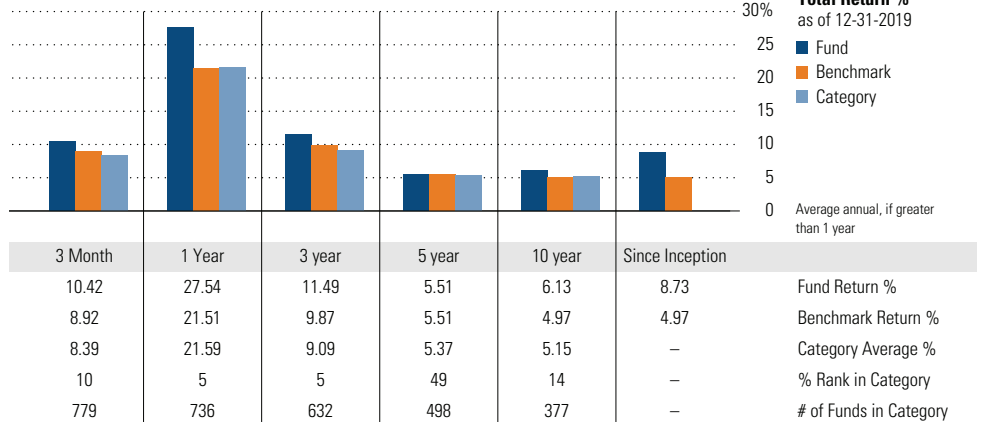
## Growth of \$10,000



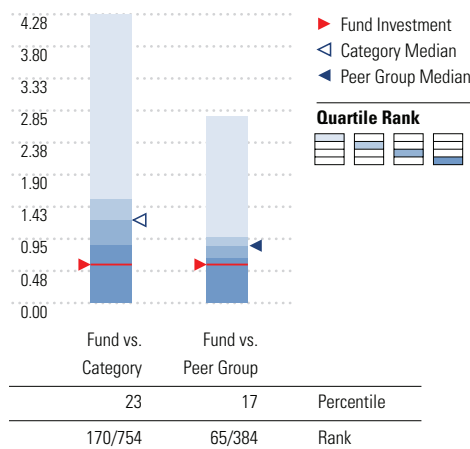
## Morningstar Investment Management LLC Analysis

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.

## 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	1.71	-	-0.53
Beta	0.98	-	0.98
R-Squared	96.57	-	92.90
Standard Deviation	11.43	11.50	11.71
Sharpe Ratio	0.86	0.73	0.66
Tracking Error	2.13	-	3.16
Information Ratio	0.76	-	-0.26
Up Capture Ratio	102.16	-	95.46
Down Capture Ratio	91.66	-	98.23

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.26	15.22	15.82
Price/Book Ratio	1.62	1.58	1.72
Geom Avg Mkt Cap \$B	28.99	30.69	38.15
ROE	14.33	15.65	17.00

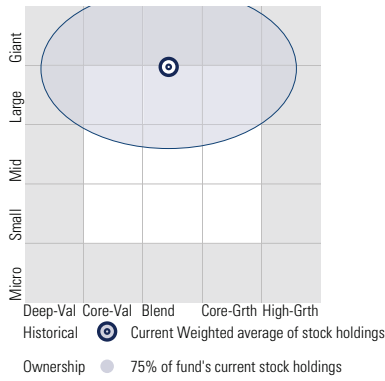
# American Funds Intl Gr and Inc R6 RIGGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 12-31-2019

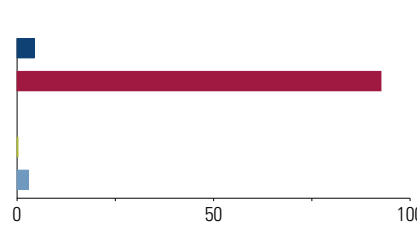
Morningstar Style Box™



## Style Breakdown

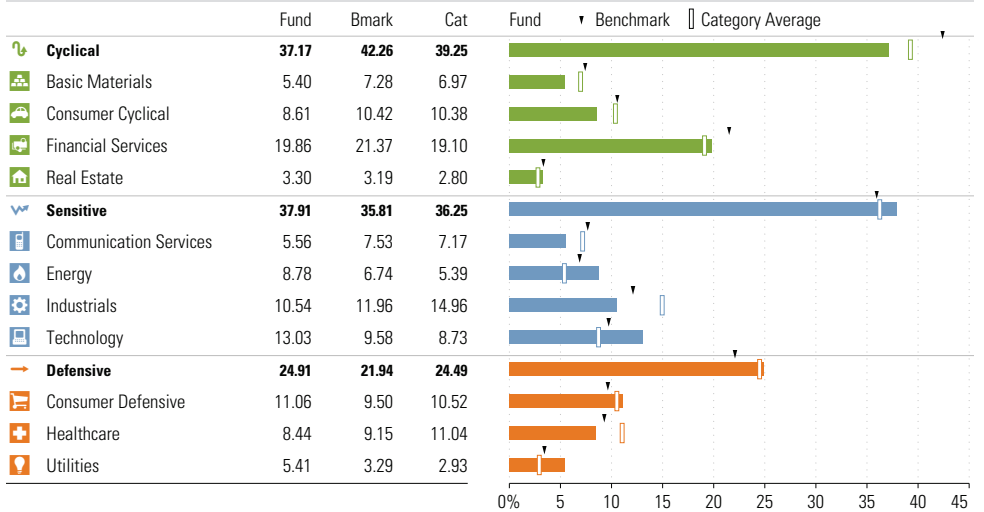


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat %
US Stocks	4.33	2.96
Non-US Stocks	92.58	94.52
Bonds	0.00	-0.02
Cash	0.23	1.62
Other	2.86	0.92
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## World Regions % Equity 12-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	30.35	36.64	Americas	14.70	7.78	Greater Europe	54.96	55.59	Developed Markets	82.18
Japan	7.60	20.10	North America	9.09	6.76	United Kingdom	16.99	14.73	Emerging Markets	17.82
Australasia	1.00	4.96	Central/Latin	5.61	1.02	W euro-ex UK	34.34	39.69	Not Available	0.00
Asia-4 Tigers	13.16	6.42				Emrgng Europe	3.14	0.44		
Asia-ex 4 Tigers	8.59	5.16				Africa	0.49	0.73		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Taiwan Semiconductor Manufacturing Co Ltd	3.61	3.61	52.33	Technology
Capital Group Central Cash M	2.86	6.47	-	-
British American Tobacco PLC	2.57	9.04	37.38	Consumer Defensive
AstraZeneca PLC	2.48	11.51	33.25	Healthcare
Enel SpA	2.09	13.60	45.76	Utilities
Airbus SE	2.05	15.65	57.37	Industrials
AIA Group Ltd	1.78	17.43	27.81	Financial Services
Wynn Macau Ltd	1.73	19.16	17.68	Consumer Cyclical
ASML Holding NV	1.70	20.86	94.55	Technology
Royal Dutch Shell PLC B	1.46	22.32	1.97	Energy

**Total Holdings 227**

⊕ 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)

- Charles Groeschell since 09-2000
- Daniel Tranchita since 09-2000
- Gary Elfe since 09-2000
- M. deGuzman since 09-2000
- Mary Stanek since 09-2000
- Warren Pierson since 09-2000
- Meghan Dean since 05-2019
- Jay Schwister since 05-2019
- Jeffrey Schrom since 05-2019

## 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 19.27 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 53.85% lower than the Intermediate Core Bond category average.

## Morningstar Investment Management LLC Analysis

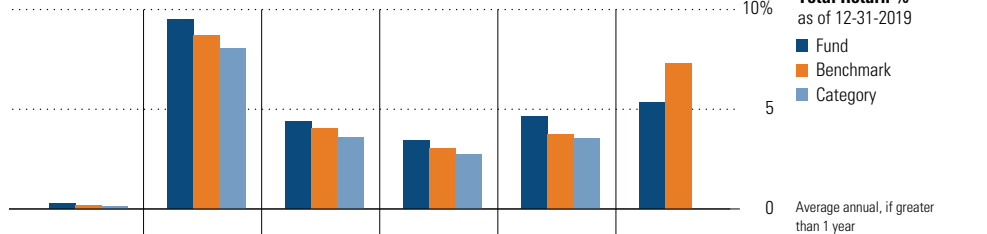
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

## Growth of \$10,000



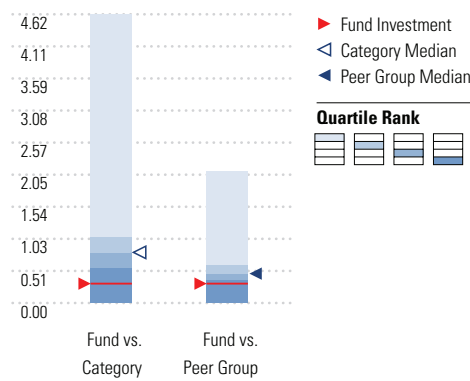
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
8.34	7.85	7.92	-1.25	6.89	0.55	3.52	4.20	-0.30	9.48	Total Return %
1.80	0.01	3.71	0.77	0.92	0.00	0.87	0.66	-0.31	0.76	+/- Benchmark
0.62	1.99	0.91	0.17	1.71	0.81	0.29	0.49	0.20	1.42	+/- Category
31	9	34	36	8	22	37	31	41	15	Tot Ret % Rank in Cat
252	269	288	311	318	328	353	383	408	431	# of Funds in Cat
41	46	64	28	32	40	36	28	24	-	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	
0.30	9.48	4.38	3.43	4.65	5.34	Fund Return %
0.18	8.72	4.03	3.05	3.75	7.31	Benchmark Return %
0.12	8.06	3.59	2.72	3.55	-	Category Average %
26	15	10	8	8	-	% Rank in Category
441	431	383	328	252	-	# of Funds in Category

## Net Expense



Fund vs. Category	Fund vs. Peer Group	Percentile Rank
17	14	75/434
		40/286

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	0.39	-	-0.04
Beta	0.99	-	0.90
R-Squared	99.21	-	94.83
Standard Deviation	2.89	2.91	2.70
Sharpe Ratio	0.92	0.80	0.70
Tracking Error	0.26	-	0.65
Information Ratio	1.37	-	-0.81
Up Capture Ratio	102.92	-	90.67
Down Capture Ratio	91.45	-	93.11

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	5.87	4.43	5.31
Avg Eff Maturity	7.81	-	6.82

# Baird Aggregate Bond Inst BAGIX

**Morningstar Category**  
Intermediate Core Bond

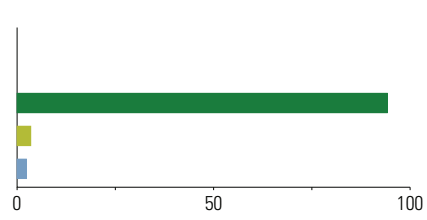
**Morningstar Index**  
BBgBarc US Agg Bond TR USD

## Style Analysis as of 12-31-2019

### Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	94.17	99.26
Cash	3.46	-2.28
Other	2.37	2.98
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	58.90	3.53	51.61
AA	3.10	74.59	8.79
A	17.10	10.82	17.74
BBB	20.60	8.32	17.22
BB	0.30	0.28	2.29
B	0.00	0.00	0.68
Below B	0.00	0.00	0.44
Not Rated	0.00	2.46	1.23

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ United States Treasury Notes 1.88%	03-2022	5.35	5.35	–
⊖ United States Treasury Bonds 2.88%	05-2043	3.70	9.05	–
⊕ United States Treasury Bonds 2.5%	02-2045	3.46	12.51	–
⊕ First American Government Obligs U	02-2030	3.05	15.56	–
⊖ United States Treasury Bonds 3.5%	02-2039	1.78	17.34	–
⊕ United States Treasury Notes 3.13%	11-2028	1.75	19.09	–
⊖ United States Treasury Notes 2.25%	11-2025	1.63	20.72	–
⊕ United States Treasury Notes 1.63%	08-2022	1.49	22.21	–
⊕ United States Treasury Notes 1.75%	03-2022	1.48	23.69	–
⊕ United States Treasury Notes 2%	11-2026	1.18	24.87	–

## Total Holdings 1193

⊕ 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

## Quantitative Screens

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

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

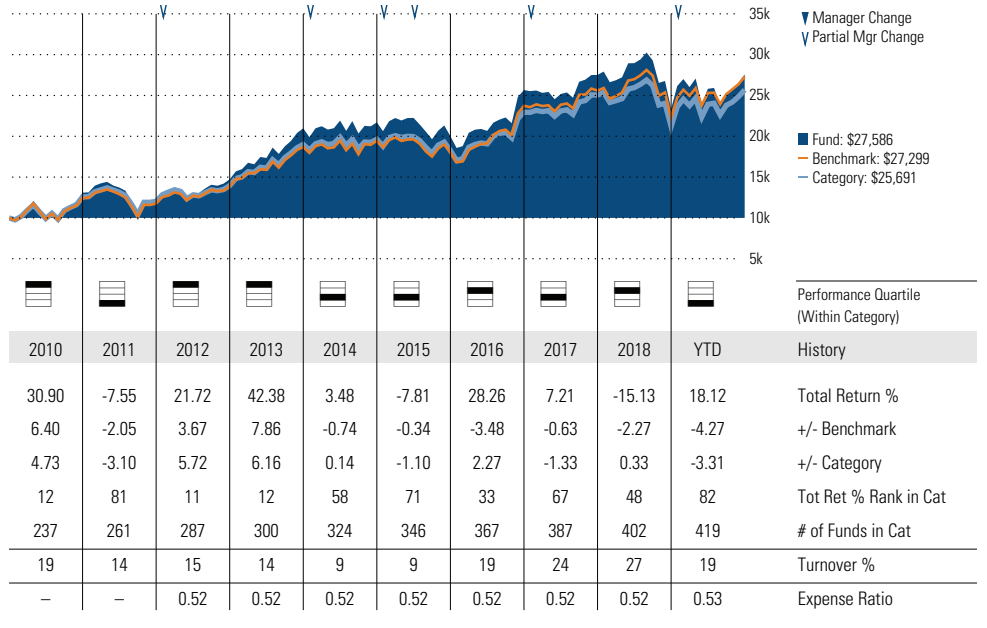
✔ **Style:** The fund has landed in its primary style box — Small Value — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.52 is 56.3% lower than the Small Value category average.

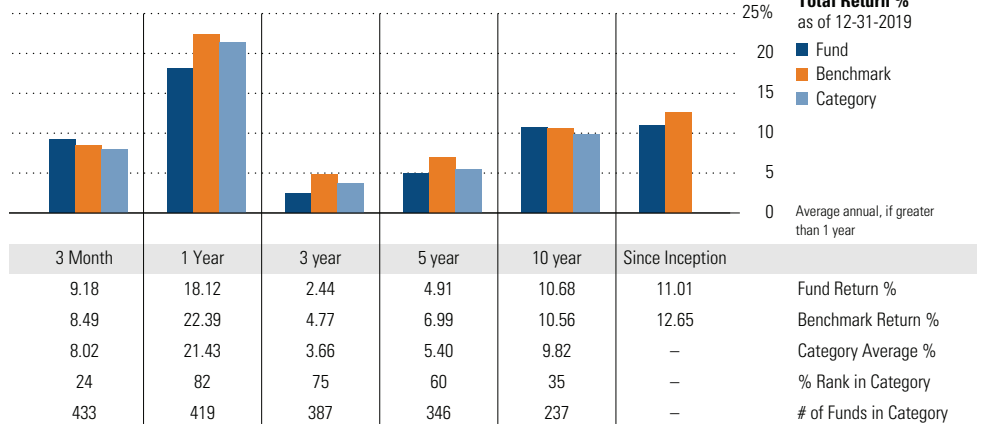
## Morningstar Investment Management LLC Analysis

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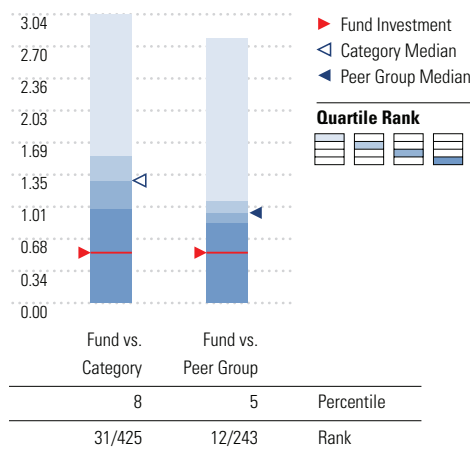
## Growth of \$10,000



## Trailing Performance



## Net Expense



## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-2.60	-	-0.65
Beta	1.12	-	1.01
R-Squared	97.80	-	93.78
Standard Deviation	17.93	15.90	16.50
Sharpe Ratio	0.13	0.27	0.22
Tracking Error	3.23	-	4.17
Information Ratio	-0.72	-	-0.20
Up Capture Ratio	102.44	-	96.86
Down Capture Ratio	114.86	-	100.05

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.87	18.52	18.01
Price/Book Ratio	1.27	1.45	1.65
Geom Avg Mkt Cap \$B	1.30	1.34	2.55
ROE	6.52	6.22	9.71

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

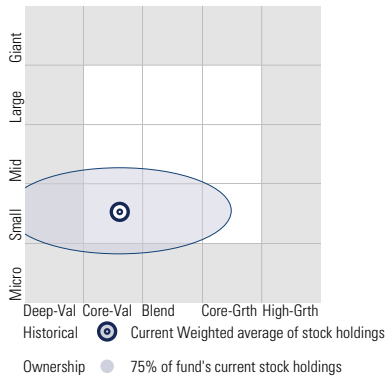
# DFA US Small Cap Value I DFSVX

**Morningstar Category**  
Small Value

**Morningstar Index**  
Russell 2000 Value TR USD

## Style Analysis as of 12-31-2019

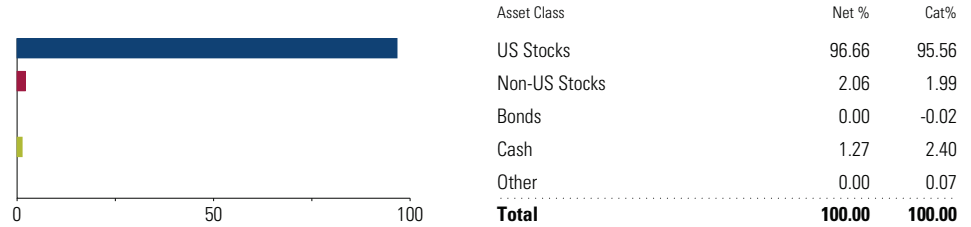
Morningstar Style Box™



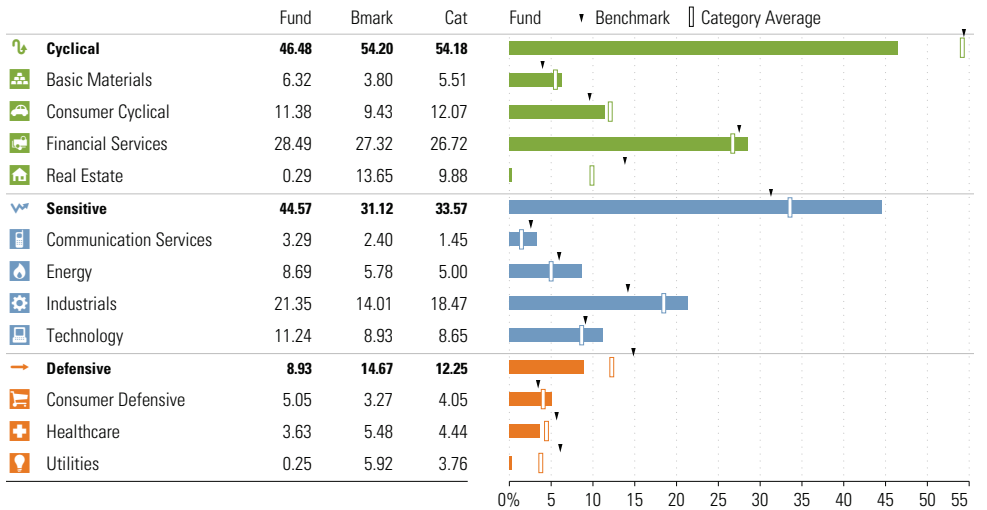
## Style Breakdown



## Asset Allocation as of 12-31-2019



## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Ssc Government Mm Gvmxx	1.23	1.23	-	-
⊖ Tech Data Corp	1.01	2.23	75.53	Technology
⊖ Darling Ingredients Inc	1.00	3.23	45.95	Consumer Defensive
⊕ E-mini S&P 500 Futures Mar20	0.91	4.14	-	-
SkyWest Inc	0.76	4.90	46.41	Industrials
⊖ GATX Corp	0.71	5.62	19.60	Industrials
⊖ World Fuel Services Corp	0.71	6.32	104.48	Energy
Washington Federal Inc	0.69	7.01	40.28	Financial Services
⊕ Associated Banc-Corp	0.67	7.68	14.86	Financial Services
⊖ FTI Consulting Inc	0.67	8.34	66.06	Industrials
⊕ American Equity Investment Life Holding Co	0.66	9.01	8.20	Financial Services
⊖ CACI International Inc Class A	0.66	9.67	73.57	Technology
⊖ Aircastle Ltd	0.66	10.32	92.75	Industrials
Commercial Metals Co	0.63	10.95	42.01	Basic Materials
⊕ Old National Bancorp	0.60	11.55	22.14	Financial Services

**Total Holdings 975**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# Federated Government Ultrashrt Dur 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 2 of the 3 years it's been in existence.

✔ **Management:** The fund's management has been in place for 22.49 years.

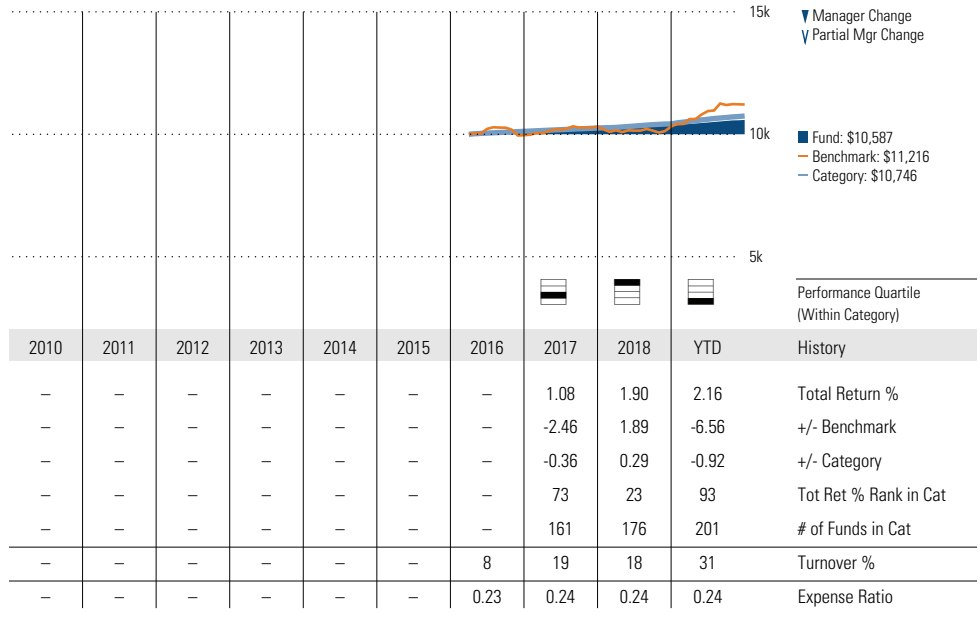
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.24 is 47.83% lower than the Ultrashort Bond category average.

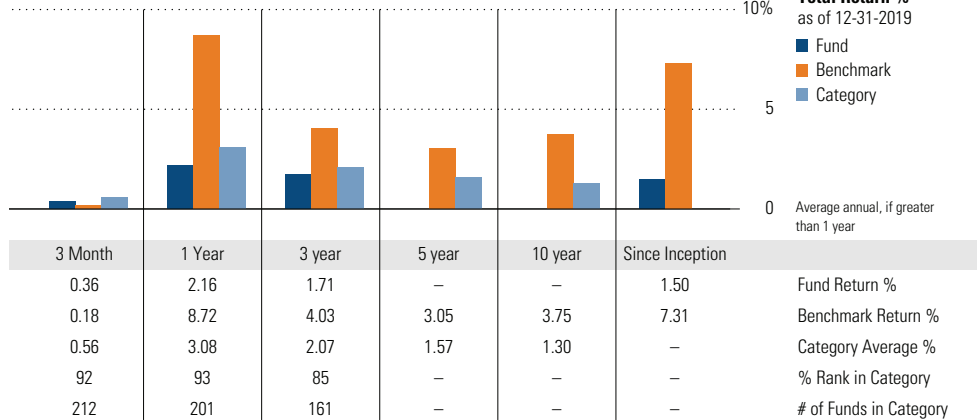
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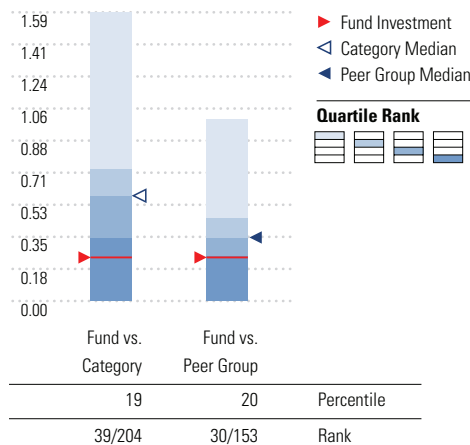
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.57	-	1.88
Beta	0.03	-	0.04
R-Squared	16.08	-	16.38
Standard Deviation	0.24	2.91	0.40
Sharpe Ratio	0.00	0.80	0.86
Tracking Error	2.82	-	2.83
Information Ratio	-0.82	-	-0.70
Up Capture Ratio	18.37	-	23.27
Down Capture Ratio	-31.09	-	-33.04

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.38	4.43	0.89
Avg Eff Maturity	2.62	-	1.73

# Federated Government Ultrashrt Dur R6 FGULX

**Morningstar Category**  
Ultrashort Bond

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

**Style Analysis** as of 12-31-2019

**Style Breakdown**



**Asset Allocation** as of 12-31-2019

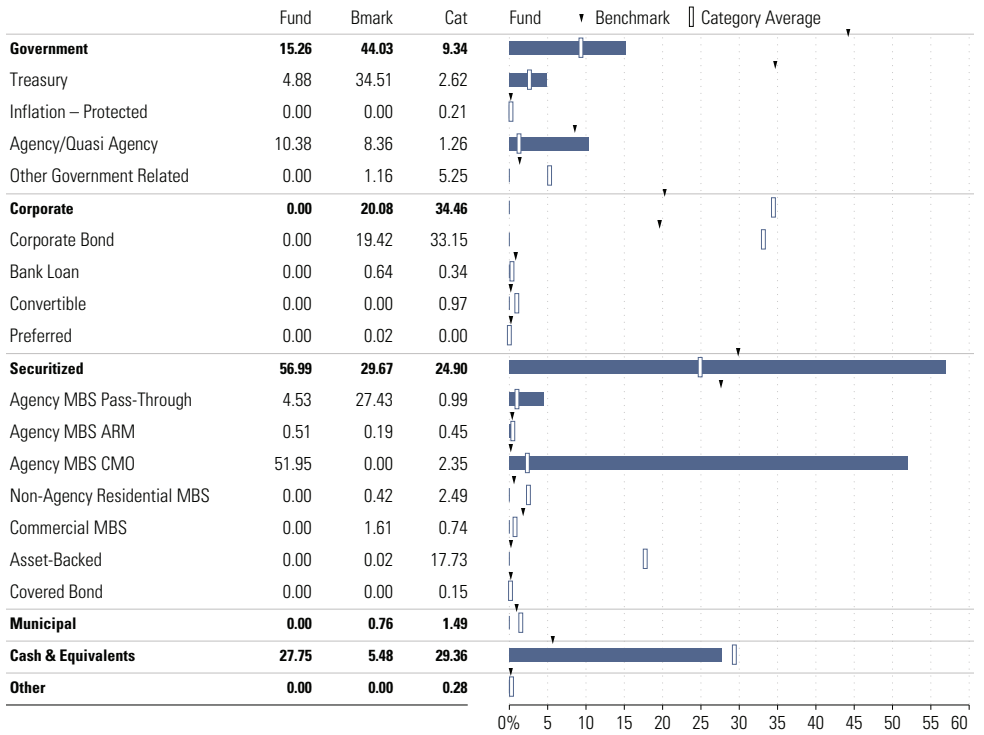


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	72.25	68.36
Cash	27.75	29.27
Other	0.00	2.36
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	3.53	46.67
AA	0.00	74.59	12.35
A	0.00	10.82	22.65
BBB	0.00	8.32	14.09
BB	0.00	0.28	0.85
B	0.00	0.00	0.30
Below B	0.00	0.00	0.21
Not Rated	0.00	2.46	2.89

**Sector Weighting** as of 12-31-2019



**Top 10 Holdings** as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Bmcap Repo 5 Repo	01-2020	22.34	22.34	–
⊖ Government National Mortgage Association 2.16%	01-2049	4.01	26.35	–
⊖ Government National Mortgage Association 2.21%	01-2049	3.43	29.78	–
⊖ Government National Mortgage Association 0.82%	02-2065	3.33	33.11	–
⊖ Government National Mortgage Association 0.82%	01-2065	3.21	36.32	–
⊖ Government National Mortgage Association 2.16%	09-2046	2.72	39.04	–
⊖ Government National Mortgage Association 0.59%	09-2062	2.43	41.47	–
⊖ Government National Mortgage Association 0.74%	06-2062	2.32	43.78	–
⊖ Government National Mortgage Association 2.16%	10-2046	2.23	46.02	–
⊖ Government National Mortgage Association 2.16%	01-2047	2.14	48.16	–

**Total Holdings 223**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

## Portfolio Manager(s)

Meggan Walsh since 12-2002  
 Kristina Bradshaw since 02-2014  
 Robert Botard since 02-2014  
 Christopher McMeans since 02-2016

## Quantitative Screens

**Performance:** The fund has finished in the Large Value category's top three quartiles in 6 of the 7 years it's been in existence.

**Management:** The fund's management has been in place for 17.01 years.

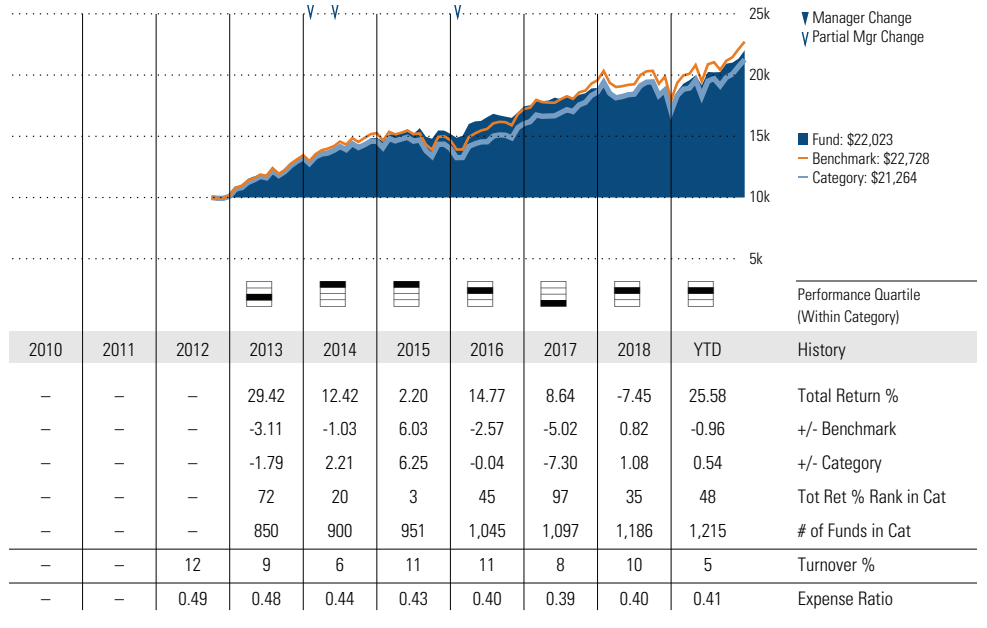
**Style:** The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.41 is 56.84% lower than the Large Value category average.

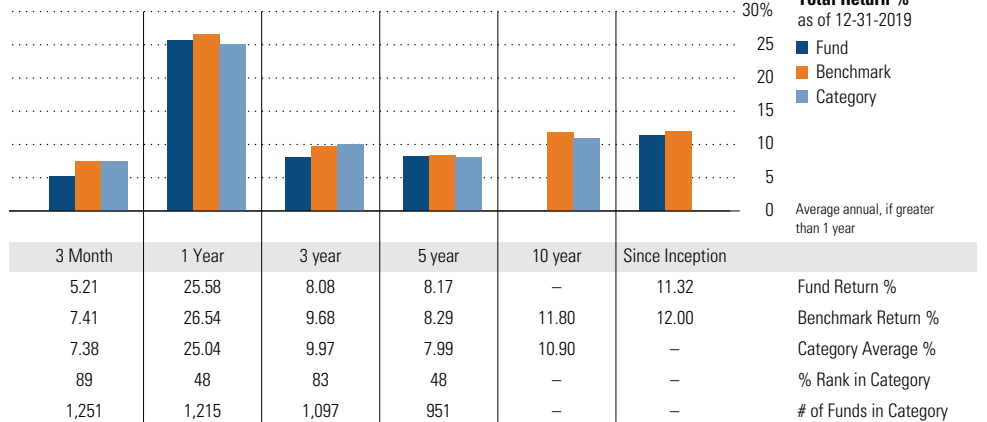
## Morningstar Investment Management LLC Analysis

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

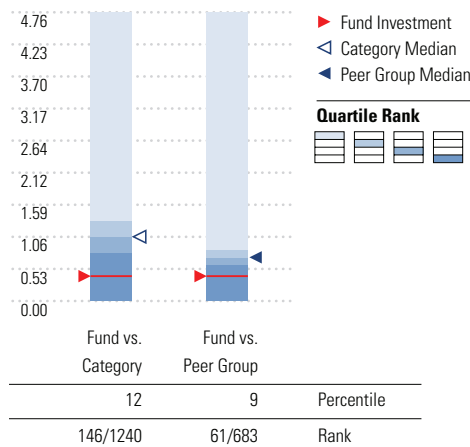
## Growth of \$10,000



## 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	0.88	-	0.26
Beta	0.74	-	0.99
R-Squared	90.01	-	93.57
Standard Deviation	9.31	12.02	12.30
Sharpe Ratio	0.70	0.69	0.70
Tracking Error	4.33	-	3.22
Information Ratio	-0.37	-	0.06
Up Capture Ratio	71.92	-	99.40
Down Capture Ratio	62.85	-	97.97

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	16.59	16.45
Price/Book Ratio	2.20	1.83	2.17
Geom Avg Mkt Cap \$B	28.04	53.25	87.27
ROE	19.51	13.49	19.10

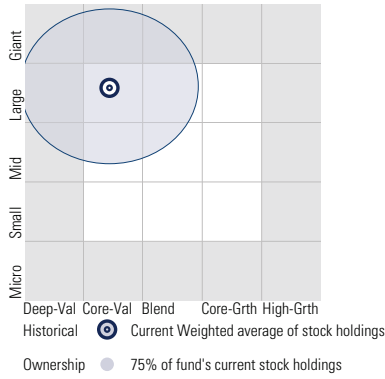
# Invesco Diversified Dividend R6 LCEFX

**Morningstar Category**  
Large Value

**Morningstar Index**  
Russell 1000 Value TR USD

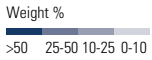
## Style Analysis as of 12-31-2019

Morningstar Style Box™

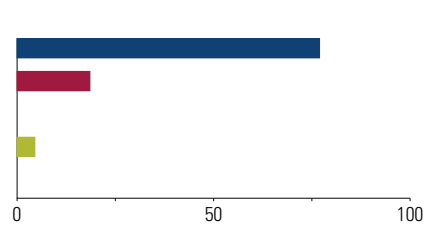


## Style Breakdown

Equity			
Value	Blend	Growth	
51	33	2	Large
9	4	0	Mid
1	0	0	Small

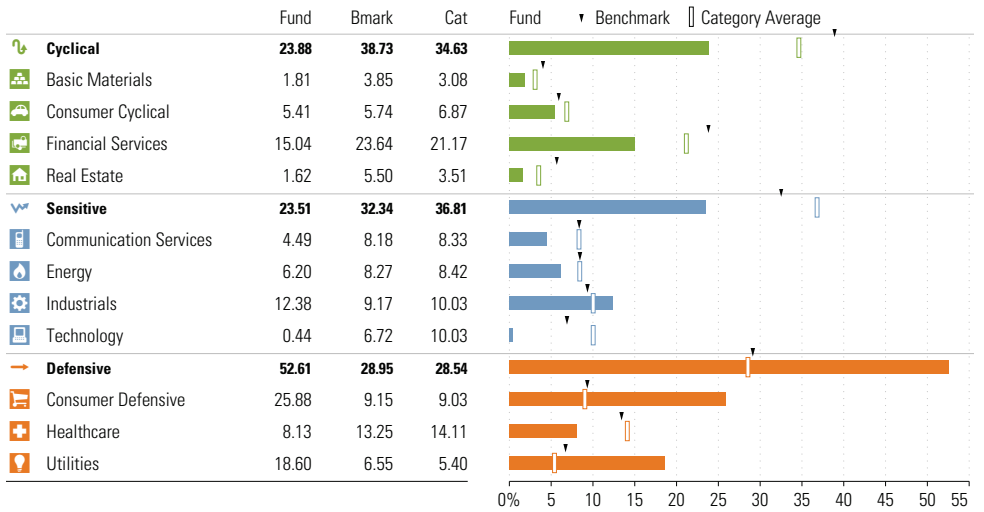


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	76.96	91.28
Non-US Stocks	18.52	5.77
Bonds	0.00	0.36
Cash	4.52	1.81
Other	0.00	0.78
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ The Hartford Financial Services Group Inc	3.25	3.25	39.42	Financial Services
⊖ Entergy Corp	3.20	6.45	43.44	Utilities
General Mills Inc	3.09	9.54	42.58	Consumer Defensive
⊖ Procter & Gamble Co	2.89	12.44	39.09	Consumer Defensive
⊖ Coca-Cola Co	2.65	15.09	20.27	Consumer Defensive
⊖ AT&T Inc	2.64	17.73	44.08	Communication Svc
PPL Corp	2.56	20.28	32.47	Utilities
⊖ Dominion Energy Inc	2.42	22.71	21.03	Utilities
⊕ Citi_gl_fxgl	2.29	25.00	-	-
⊕ Citi_gl_fxgl	2.28	27.28	-	-
⊕ Rbcc_gl_fxgl	2.24	29.53	-	-
⊕ Rbcc_gl_fxgl	2.23	31.75	-	-
Exelon Corp	2.18	33.94	4.30	Utilities
Campbell Soup Co	2.13	36.07	54.05	Consumer Defensive
M&T Bank Corp	2.12	38.19	21.46	Financial Services

**Total Holdings 83**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# Invesco Oppenheimer Developing Mkts R6 ODVIX

**Morningstar Category**  
Diversified Emerging Mkts

**Morningstar Index**  
MSCI EM NR USD

## Portfolio Manager(s)

Justin Leverenz since 05-2007

## Quantitative Screens

✔ **Performance:** The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 8 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.68 years.

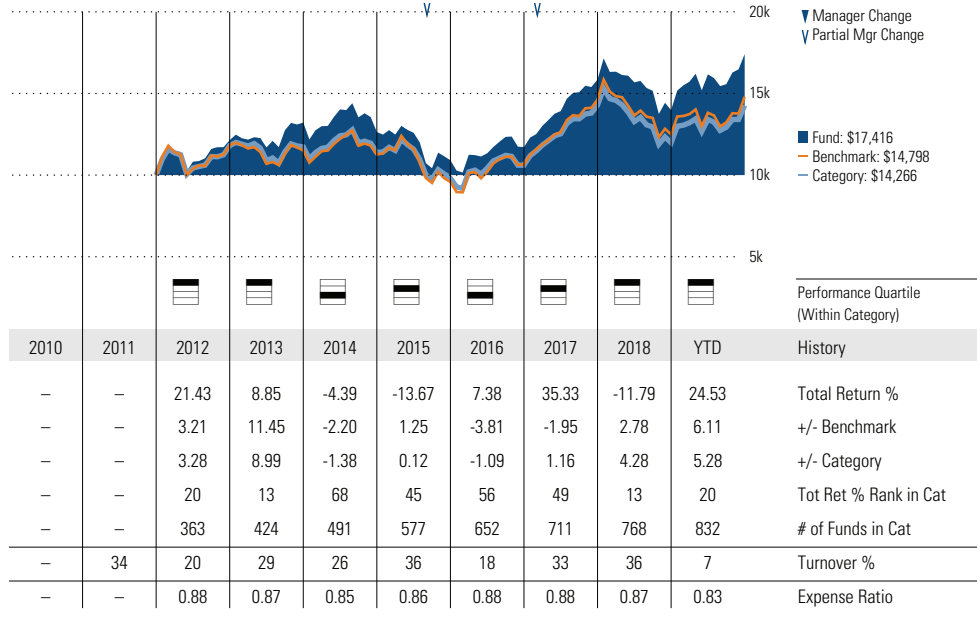
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.83 is 34.65% lower than the Diversified Emerging Mkts category average.

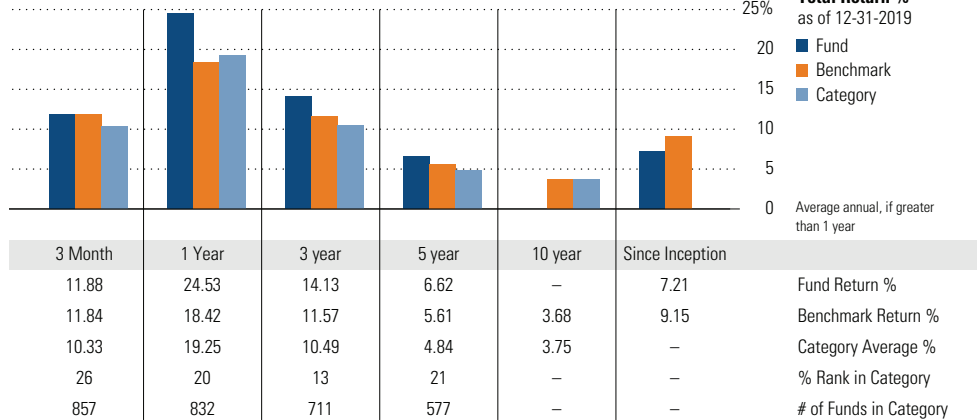
## Morningstar Investment Management LLC Analysis

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

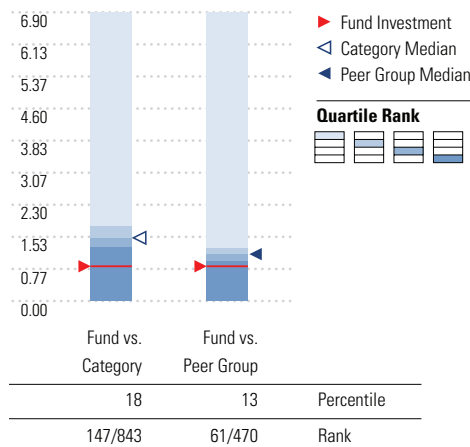
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	3.35	-	0.32
Beta	0.90	-	0.90
R-Squared	92.81	-	88.31
Standard Deviation	13.45	14.37	13.84
Sharpe Ratio	0.92	0.71	0.68
Tracking Error	3.87	-	4.76
Information Ratio	0.66	-	-0.15
Up Capture Ratio	97.14	-	92.92
Down Capture Ratio	80.00	-	92.99

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.11	12.62	13.55
Price/Book Ratio	2.39	1.49	1.87
Geom Avg Mkt Cap \$B	18.22	19.61	20.39
ROE	18.04	17.14	20.22

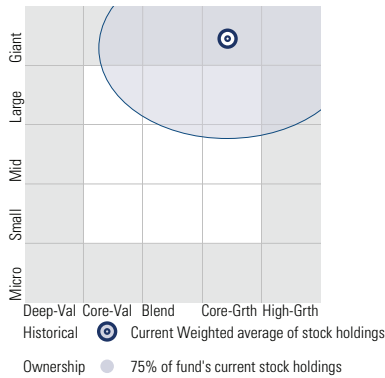
# Invesco Oppenheimer Developing Mkts R6 ODVIX

**Morningstar Category**  
Diversified Emerging Mkts

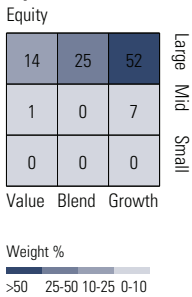
**Morningstar Index**  
MSCI EM NR USD

## Style Analysis as of 12-31-2019

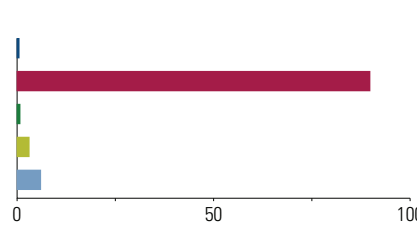
Morningstar Style Box™



## Style Breakdown

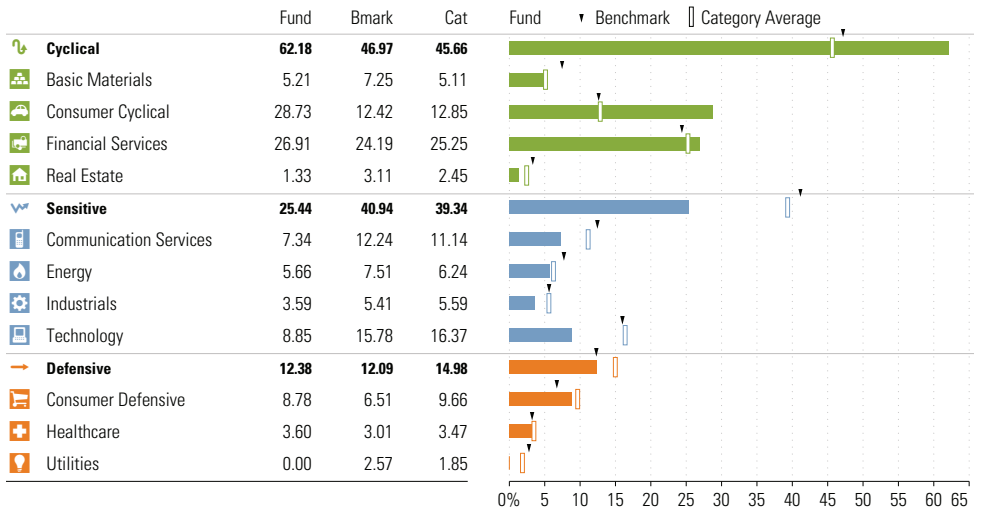


## Asset Allocation as of 12-31-2019

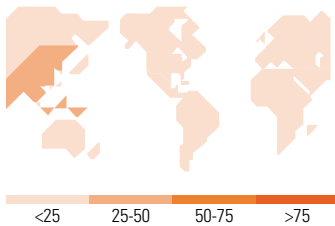


Asset Class	Net %	Cat%
US Stocks	0.49	2.11
Non-US Stocks	89.76	95.28
Bonds	0.72	0.31
Cash	3.05	1.42
Other	5.98	0.88
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## World Regions % Equity 12-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Americas	18.25	15.26	Greater Europe	22.56	15.76	Developed Markets	27.27			
North America	0.53	1.60	United Kingdom	0.00	0.83	Emerging Markets	72.73			
Central/Latin	17.72	13.66	W euro-ex UK	9.44	1.77	Not Available	0.00			
			Emrgng Europe	9.98	7.34					
			Africa	3.14	5.82					

## Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Alibaba Group Holding Ltd ADR	6.98	6.98	54.74	Consumer Cyclical
⊕ Master China Series 1	5.95	12.93	-	-
⊕ Taiwan Semiconductor Manufacturing Co Ltd	5.13	18.06	52.33	Technology
⊕ Kering SA	5.10	23.16	44.73	Consumer Cyclical
⊕ Tencent Holdings Ltd	4.89	28.05	19.94	Communication Svc
⊕ Housing Development Finance Corp Ltd	4.55	32.61	23.63	Financial Services
⊕ NOVATEK PJSC GDR	4.55	37.15	21.34	Energy
⊕ AIA Group Ltd	3.51	40.66	27.81	Financial Services
⊖ Kotak Mahindra Bank Ltd	2.84	43.50	34.11	Financial Services
⊕ Usd Currency Cash	2.77	46.27	-	-

**Total Holdings 92**

⊕ 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

## Quantitative Screens

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

**Management:** The fund's management has been in place for 17.76 years.

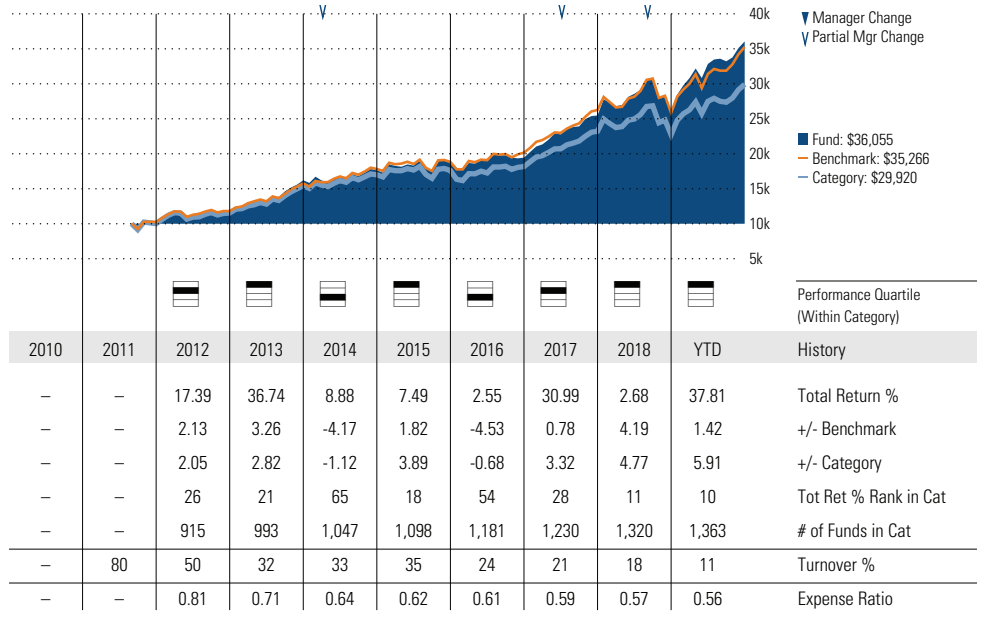
**Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

**Net Expense:** The fund's expense ratio of 0.57 is 44.66% lower than the Large Growth category average.

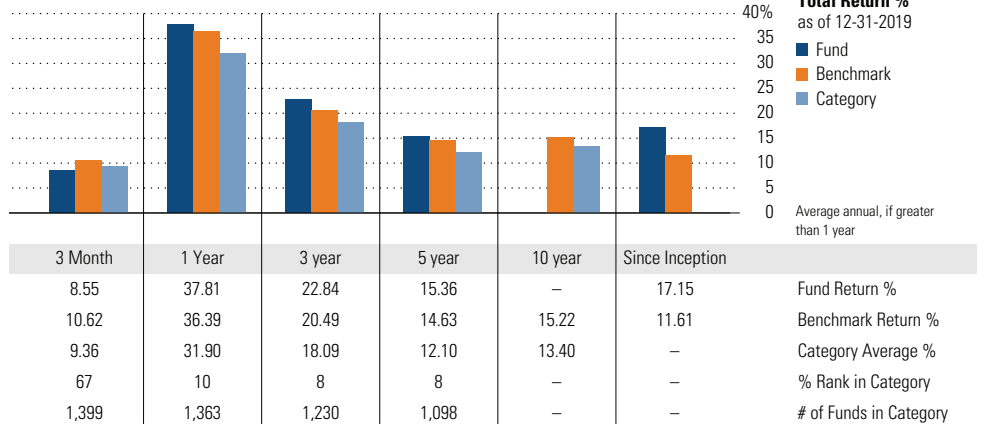
## Morningstar Investment Management LLC Analysis

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.

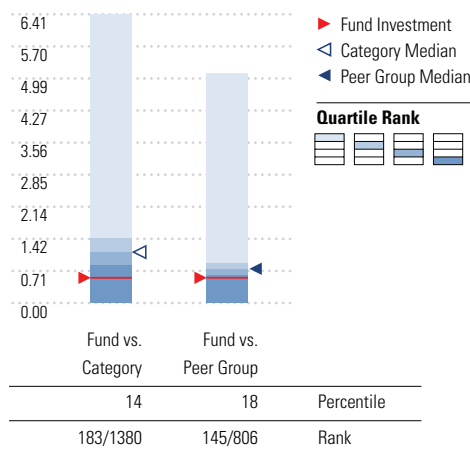
## Growth of \$10,000



## 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	2.88	-	-1.51
Beta	0.95	-	0.99
R-Squared	94.76	-	91.69
Standard Deviation	12.96	13.26	13.71
Sharpe Ratio	1.53	1.35	1.18
Tracking Error	3.04	-	3.96
Information Ratio	0.78	-	-0.68
Up Capture Ratio	100.80	-	93.29
Down Capture Ratio	83.98	-	99.12

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	26.50	21.82	23.08
Price/Book Ratio	4.50	5.15	4.39
Geom Avg Mkt Cap \$B	50.98	55.71	72.96
ROE	20.27	27.80	23.94

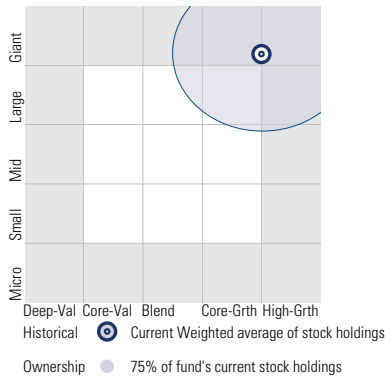
# MFS Growth R6 MFEKX

**Morningstar Category**  
Large Growth

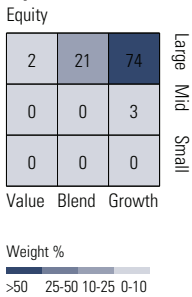
**Morningstar Index**  
Russell 1000 Growth TR USD

## Style Analysis as of 12-31-2019

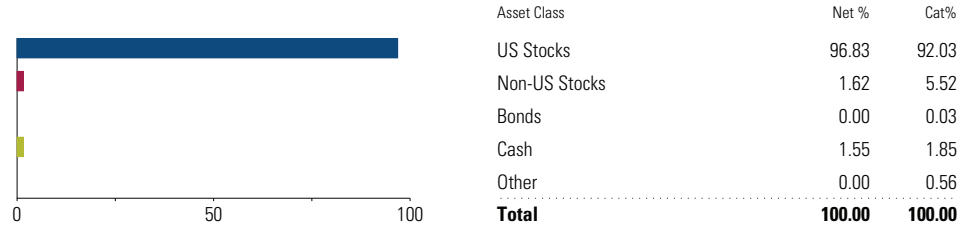
Morningstar Style Box™



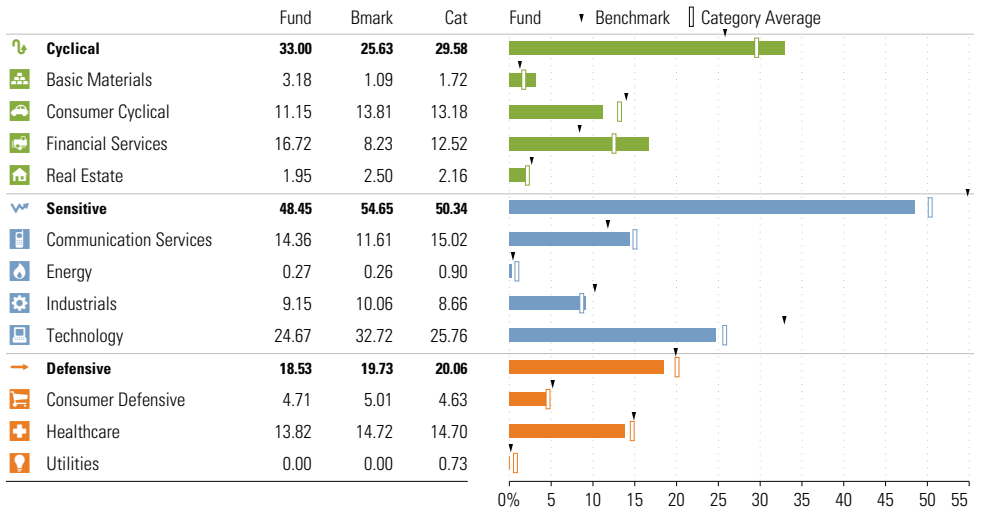
## Style Breakdown



## Asset Allocation as of 12-31-2019



## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Microsoft Corp	8.19	8.19	57.12	Technology
⊕ Amazon.com Inc	5.45	13.64	23.03	Consumer Cyclical
⊕ Visa Inc Class A	4.85	18.49	43.21	Financial Services
⊕ Adobe Inc	4.44	22.93	45.78	Technology
⊕ Mastercard Inc A	4.17	27.10	58.98	Financial Services
⊕ Alphabet Inc A	4.16	31.25	28.18	Communication Svc
⊕ Thermo Fisher Scientific Inc	2.74	33.99	45.51	Healthcare
⊕ Facebook Inc A	2.61	36.60	56.57	Communication Svc
⊕ Fiserv Inc	2.55	39.15	57.34	Financial Services
⊕ Global Payments Inc	2.38	41.53	77.24	Industrials
⊕ Salesforce.com Inc	2.09	43.62	18.74	Technology
⊕ Danaher Corp	1.98	45.60	49.50	Healthcare
⊕ Fidelity National Information Services Inc	1.96	47.56	37.00	Technology
⊕ Apple Inc	1.87	49.43	88.09	Technology
⊕ Zoetis Inc Class A	1.87	51.30	55.49	Healthcare

**Total Holdings 77**

⊕ 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)

John Mullman since 05-2000  
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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.67 years.

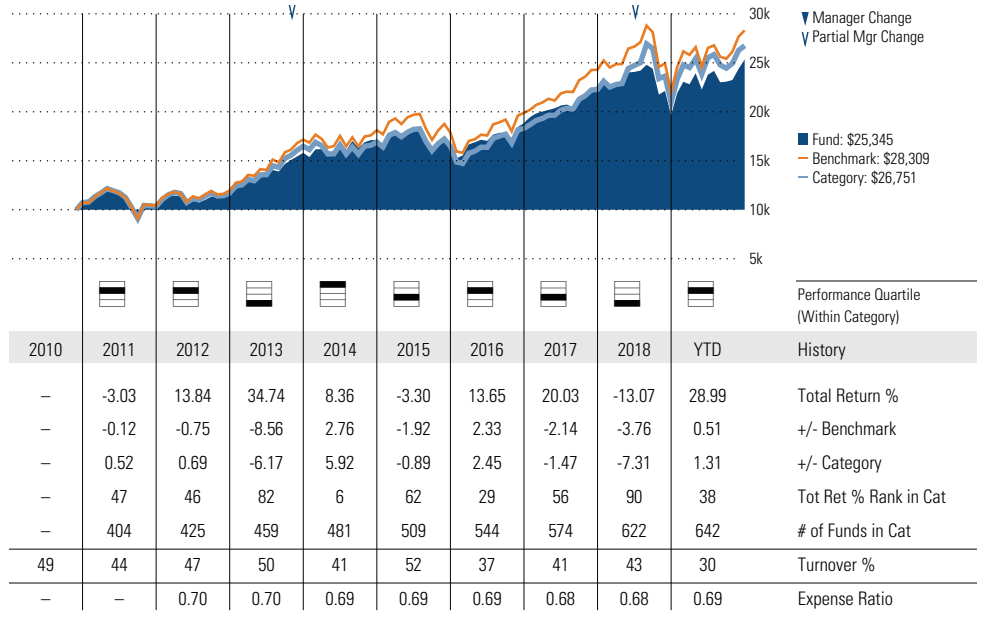
✘ **Style:** The fund has landed in its primary style box — Small Growth — 37.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 43.44% lower than the Small Growth category average.

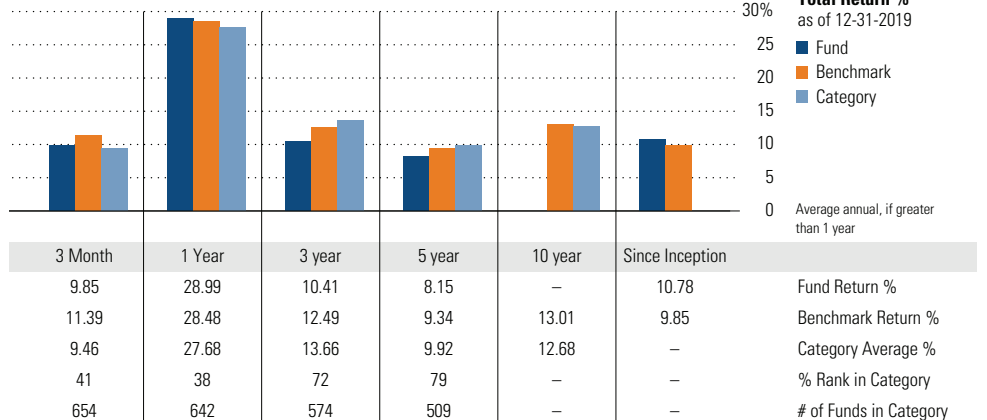
## Morningstar Investment Management LLC Analysis

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.

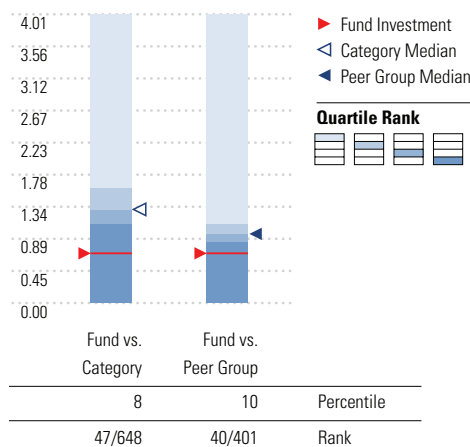
## Growth of \$10,000



## 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	-0.60	–	2.04
Beta	0.89	–	0.95
R-Squared	93.65	–	90.99
Standard Deviation	15.19	16.60	16.64
Sharpe Ratio	0.62	0.69	0.78
Tracking Error	4.28	–	4.99
Information Ratio	-0.49	–	0.28
Up Capture Ratio	87.39	–	99.40
Down Capture Ratio	90.36	–	90.07

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	20.87	24.72	25.39
Price/Book Ratio	2.12	3.88	3.65
Geom Avg Mkt Cap \$B	2.55	1.66	2.80
ROE	10.83	10.22	9.63

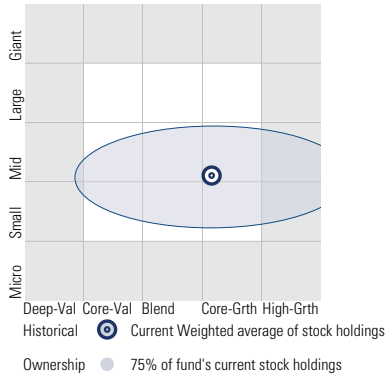
# PGIM Jennison Small Company R6 PJSQX

**Morningstar Category**  
Small Growth

**Morningstar Index**  
Russell 2000 Growth TR USD

## Style Analysis as of 12-31-2019

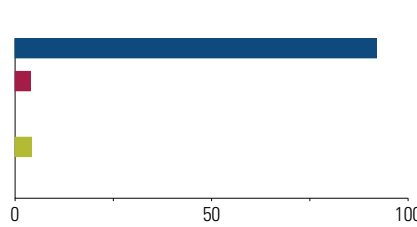
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	91.93	93.58
Non-US Stocks	3.90	3.17
Bonds	0.00	0.00
Cash	4.17	2.78
Other	0.00	0.46
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>46.04</b>	<b>23.92</b>	<b>27.52</b>			
Basic Materials	6.43	3.46	2.94			
Consumer Cyclical	10.71	10.05	11.52			
Financial Services	15.51	5.81	9.38			
Real Estate	13.39	4.60	3.68			
<b>Sensitive</b>	<b>33.50</b>	<b>39.68</b>	<b>44.67</b>			
Communication Services	0.99	2.66	2.17			
Energy	4.16	0.65	1.39			
Industrials	14.72	19.13	18.12			
Technology	13.63	17.24	22.99			
<b>Defensive</b>	<b>20.46</b>	<b>36.39</b>	<b>27.81</b>			
Consumer Defensive	4.69	4.36	4.91			
Healthcare	12.08	30.52	21.76			
Utilities	3.69	1.51	1.14			

## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Pgim Core Ultra Short Bond Fund	4.29	4.29	-	-
⊖ Pinnacle Financial Partners Inc	3.20	7.49	40.22	Financial Services
⊖ WPX Energy Inc Class A	2.69	10.18	21.06	Energy
⊖ CDW Corp	2.38	12.56	77.80	Technology
⊖ Gaming and Leisure Properties Inc	2.36	14.92	41.72	Real Estate
East West Bancorp Inc	2.33	17.25	14.30	Financial Services
BankUnited Inc	2.33	19.58	24.92	Financial Services
⊖ Summit Materials Inc A	2.24	21.82	92.74	Basic Materials
⊖ Performance Food Group Co	2.23	24.05	59.53	Consumer Defensive
HubSpot Inc	2.07	26.12	26.06	Technology
Mobile Mini Inc	2.06	28.18	22.87	Industrials
⊖ Rexnord Corp	2.02	30.20	42.14	Industrials
⊕ Saia Inc	1.86	32.06	66.82	Industrials
⊖ Steven Madden Ltd	1.82	33.88	44.02	Consumer Cyclical
⊖ MFA Financial Inc	1.68	35.56	26.50	Real Estate

**Total Holdings 117**

⊕ 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 12.76 years.

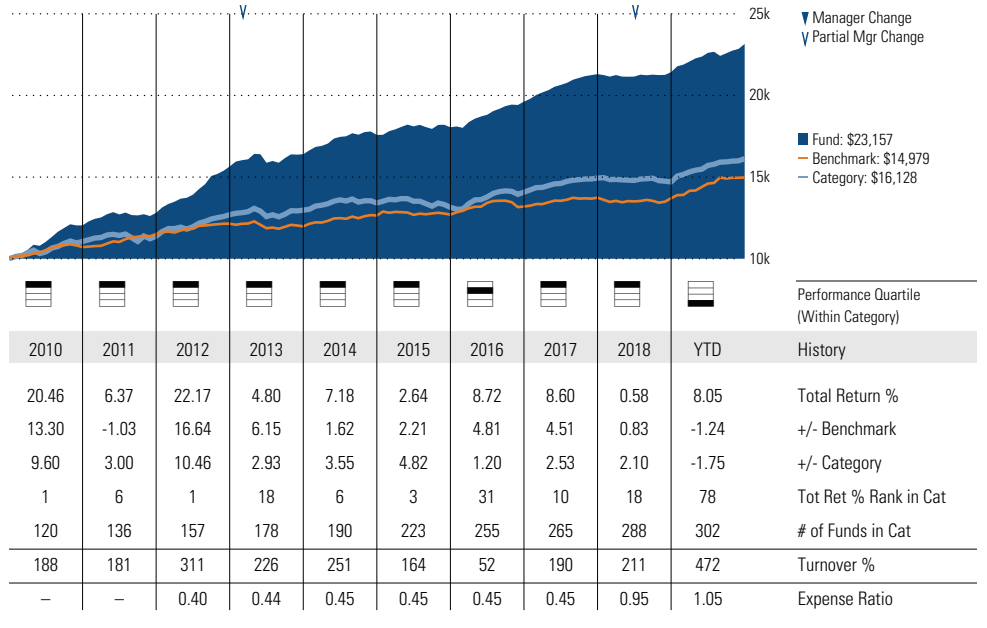
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.05 is 1.87% lower than the Multisector Bond category average.

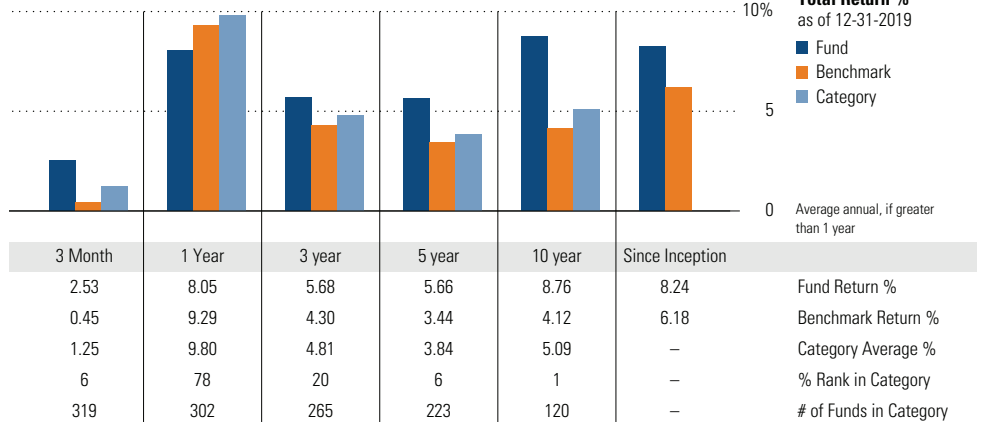
## Morningstar Investment Management LLC Analysis

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.

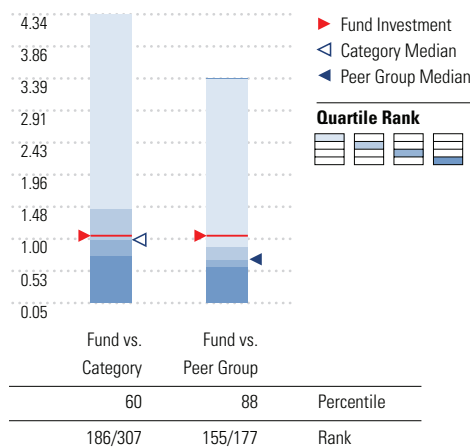
## Growth of \$10,000



## 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

	Fund	Bmark	Cat
Alpha	4.70	-	2.79
Beta	0.20	-	0.45
R-Squared	7.80	-	24.51
Standard Deviation	1.92	2.66	2.78
Sharpe Ratio	1.97	0.97	1.17
Tracking Error	2.81	-	2.89
Information Ratio	0.49	-	0.16
Up Capture Ratio	80.94	-	83.38
Down Capture Ratio	-43.81	-	16.57

## Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.41	4.55	4.06
Avg Eff Maturity	2.12	7.69	6.86

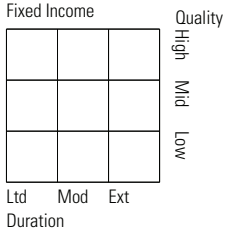
# PIMCO Income Instl PIMIX

**Morningstar Category**  
Multisector Bond

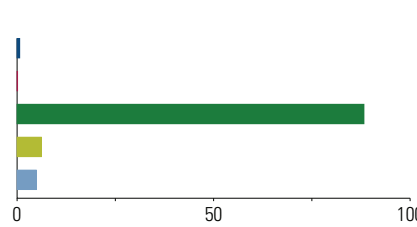
**Morningstar Index**  
BBgBarc US Universal TR USD

## Style Analysis as of 12-31-2019

### Style Breakdown



## Asset Allocation as of 12-31-2019

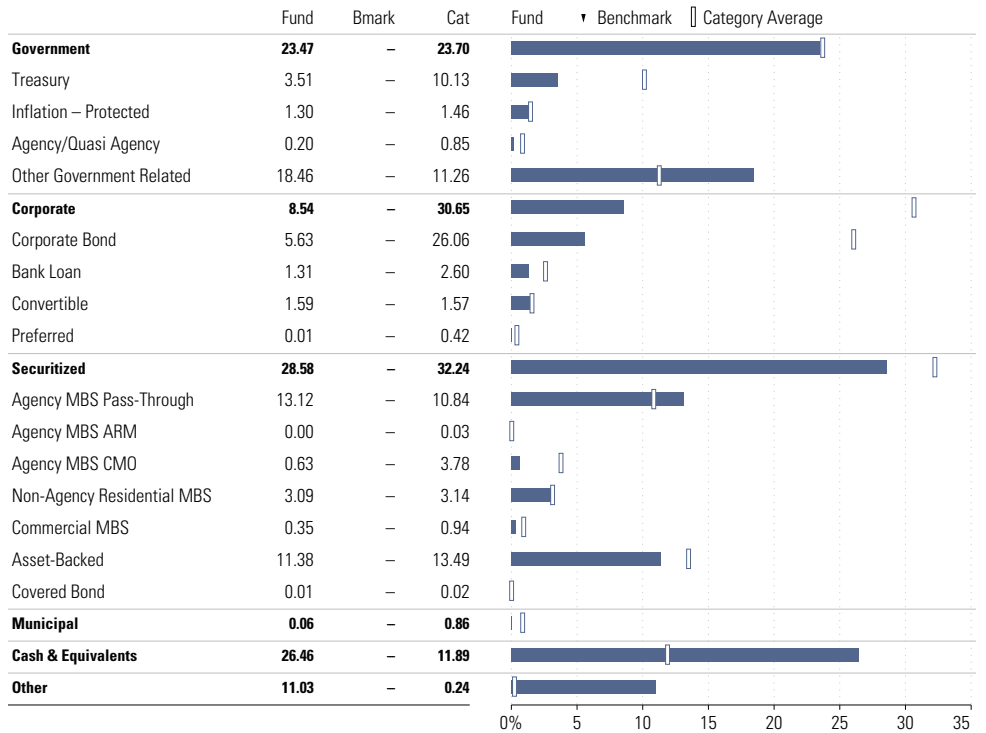


Asset Class	Net %	Cat%
US Stocks	0.65	1.37
Non-US Stocks	0.11	0.40
Bonds	88.24	98.41
Cash	6.15	-2.72
Other	4.86	2.55
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

### Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	56.00	67.64	24.83
AA	7.00	3.23	4.63
A	4.00	10.03	10.28
BBB	14.00	10.89	20.84
BB	6.00	3.19	16.67
B	7.00	3.64	12.28
Below B	6.00	1.38	4.98
Not Rated	0.00	0.00	5.50

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Irs Usd 3.00000 06/19/19-5y Cme	06-2024	14.19	14.19	-
Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	14.02	28.21	-
⊕ Irs Jpy 0.45000 03/20/19-10y Lch	03-2029	13.38	41.59	-
⊕ Irs Usd 3.00000 06/19/19-5y Cme	06-2024	13.29	54.88	-
Irs Eur 0.00000 08/19/19-2y Lch	08-2021	12.32	67.20	-
⊕ Irs Eur 0.00000 08/19/19-2y Lch	08-2021	12.22	79.42	-
⊕ Fin Fut Us 5yr Cbt 12/31/19	01-2020	9.67	89.08	-
Cirs Usd 4y Mat 3.85/2.00% M 7/2020 Dub	07-2022	7.75	96.84	-
Cirs Usd 4y Mat 3.82/2.00% M 7/2020 Gln	07-2022	7.75	104.59	-
Cirs Usd 4y Mat 3.82/2.00% M 6/2020 Mzc	06-2022	7.75	112.34	-

**Total Holdings 7556**

⊕ Increase ⊖ Decrease ✱ New to Portfolio

# T. Rowe Price Retirement I 2010 I TRPAX

**Morningstar Category**  
Target-Date 2000-2010

**Morningstar Index**  
Morningstar Lifetime Mod 2010 TR USD

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2000-2010 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

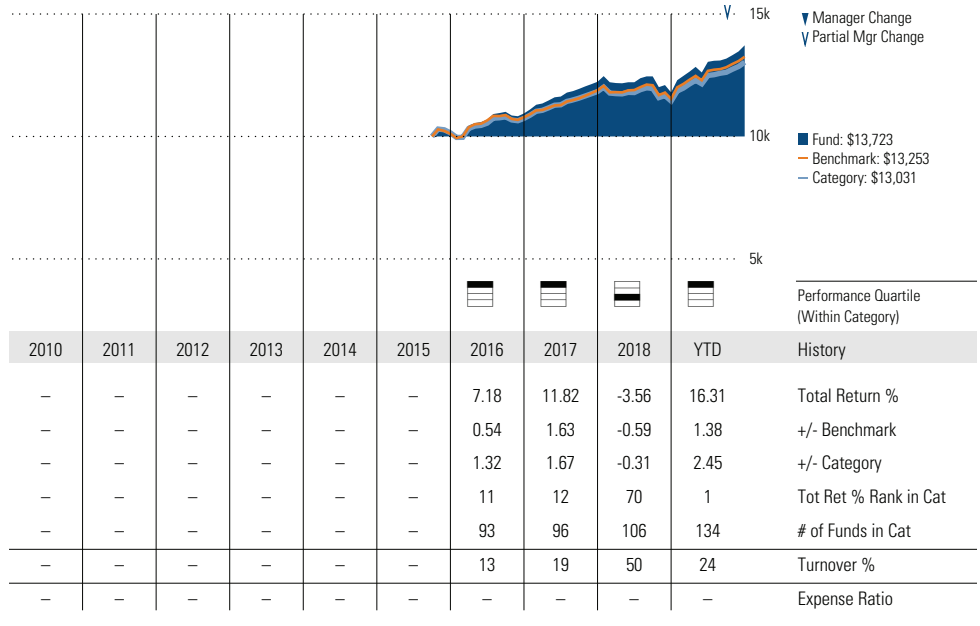
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.4 is 35.48% lower than the Target-Date 2000-2010 category average.

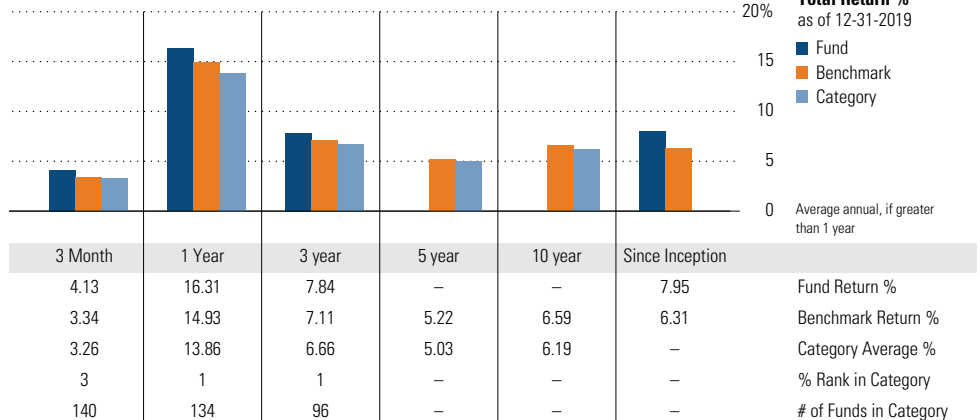
## Morningstar Investment Management LLC Analysis

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.

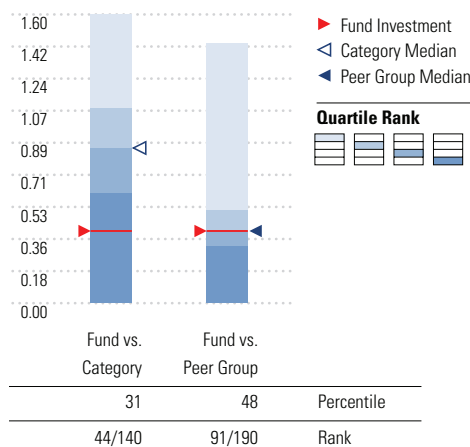
## Growth of \$10,000



## 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	0.19	-	0.02
Beta	1.07	-	0.93
R-Squared	97.66	-	95.41
Standard Deviation	4.99	4.59	4.37
Sharpe Ratio	1.19	1.15	1.10
Tracking Error	0.83	-	1.03
Information Ratio	0.88	-	-0.39
Up Capture Ratio	108.23	-	93.13
Down Capture Ratio	104.50	-	92.84

## Portfolio Metrics

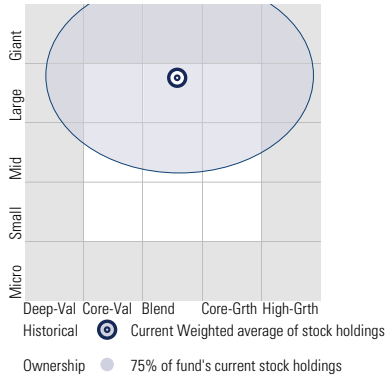
	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.89	18.08
Price/Book Ratio	-	2.19	2.26
Avg Eff Duration	4.34	-	5.85

# T. Rowe Price Retirement I 2010 I TRPAX

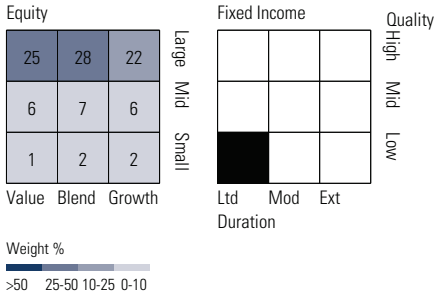
**Morningstar Category**  
Target-Date 2000-2010

**Morningstar Index**  
Morningstar Lifetime Mod 2010 TR USD

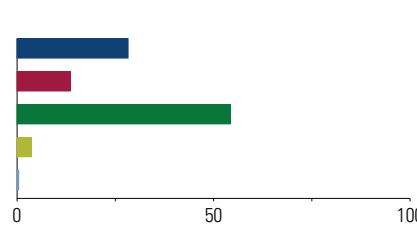
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**

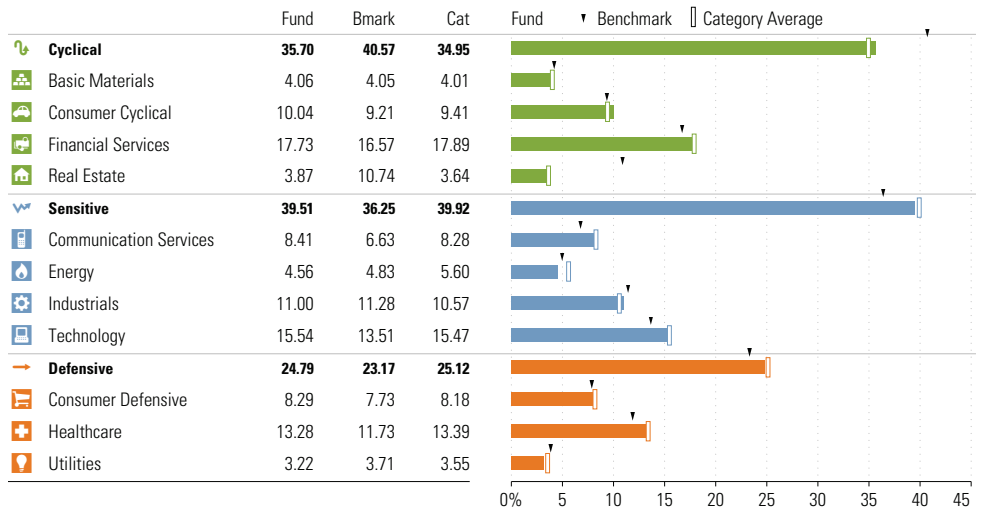


**Asset Allocation** as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	28.24	19.69
Non-US Stocks	13.52	10.84
Bonds	54.20	51.26
Cash	3.64	8.19
Other	0.40	10.04
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2019



**Top 10 Holdings** as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Equity Index 500 I	-	21.55	21.55	-	-
⊕ T. Rowe Price New Income I	-	18.22	39.77	-	-
⊕ T. Rowe Price Ltd Dur Infl Focus Bd I	-	16.28	56.04	-	-
⊕ T. Rowe Price Intl Bd (USD Hdgd) I	-	6.13	62.17	-	-
⊕ T. Rowe Price Emerging Markets Bond I	-	4.81	66.98	-	-
⊕ T. Rowe Price Dynamic Global Bond I	-	4.10	71.08	-	-
⊕ T. Rowe Price Overseas Stock I	-	3.74	74.82	-	-
⊕ T. Rowe Price High Yield I	-	3.70	78.52	-	-
⊕ T. Rowe Price International Stock I	-	3.57	82.09	-	-
⊕ T. Rowe Price International Value Eq I	-	3.38	85.47	-	-

**Total Holdings 20**

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2015 I TRFGX

**Morningstar Category**  
Target-Date 2015

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2015 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

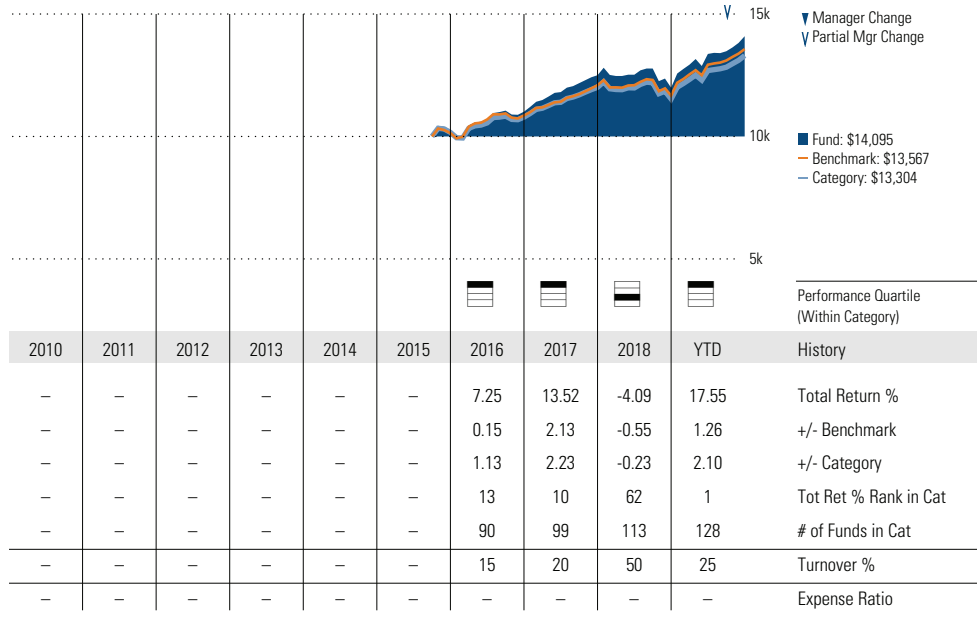
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.43 is 34.85% lower than the Target-Date 2015 category average.

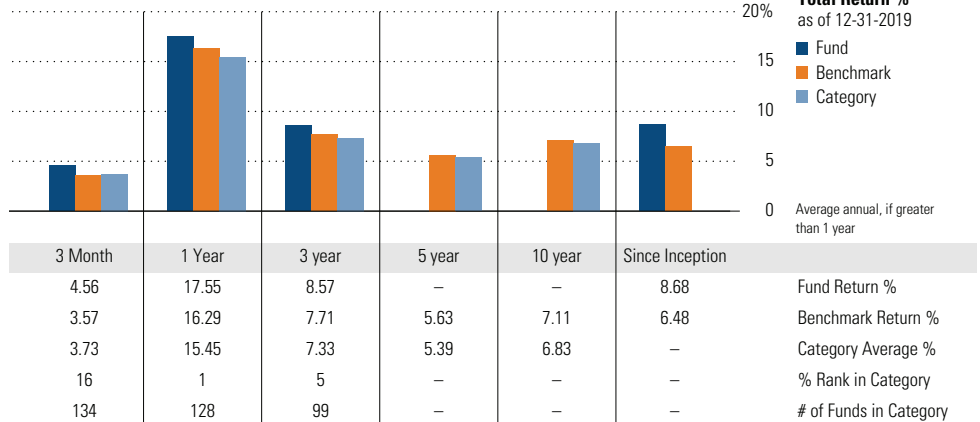
## Morningstar Investment Management LLC Analysis

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.

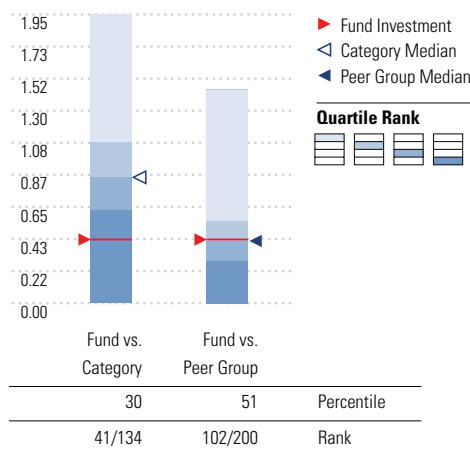
## Growth of \$10,000



## 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	-0.02	-	-0.34
Beta	1.11	-	0.98
R-Squared	97.00	-	96.15
Standard Deviation	5.74	5.08	5.10
Sharpe Ratio	1.16	1.15	1.06
Tracking Error	1.15	-	1.09
Information Ratio	0.75	-	-0.44
Up Capture Ratio	110.22	-	96.00
Down Capture Ratio	108.77	-	100.51

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.82	18.03
Price/Book Ratio	-	2.17	2.27
Avg Eff Duration	4.49	-	5.36

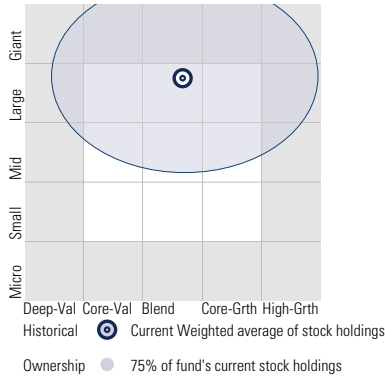
# T. Rowe Price Retirement I 2015 I TRFGX

**Morningstar Category**  
Target-Date 2015

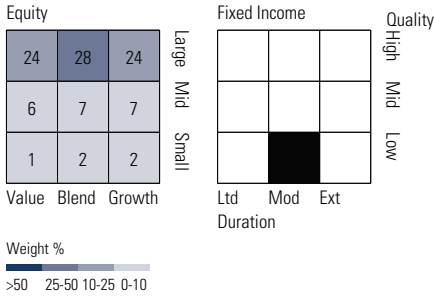
**Morningstar Index**  
Morningstar Lifetime Mod 2015 TR USD

## Style Analysis as of 12-31-2019

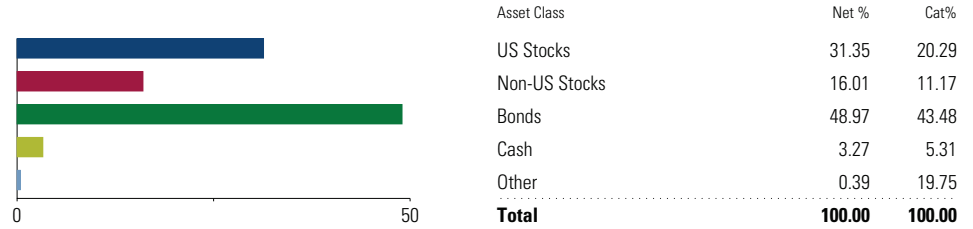
Morningstar Style Box™



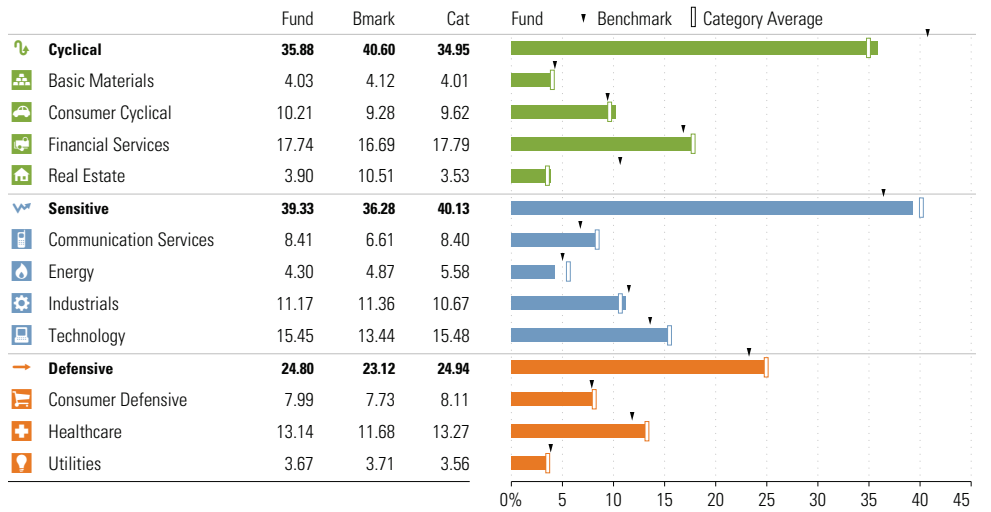
## Style Breakdown



## Asset Allocation as of 12-31-2019



## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Equity Index 500 I	—	18.19	18.19	—	—
⊕ T. Rowe Price New Income I	—	17.07	35.26	—	—
⊕ T. Rowe Price Ltd Dur Infl Focus Bd I	—	13.45	48.70	—	—
⊕ T. Rowe Price Intl Bd (USD Hdgd) I	—	5.76	54.46	—	—
⊕ T. Rowe Price Emerging Markets Bond I	—	4.32	58.79	—	—
⊕ T. Rowe Price Overseas Stock I	—	4.23	63.02	—	—
⊖ T. Rowe Price International Stock I	—	3.99	67.01	—	—
⊕ T. Rowe Price International Value Eq I	—	3.90	70.91	—	—
⊕ T. Rowe Price Dynamic Global Bond I	—	3.84	74.75	—	—
⊕ T. Rowe Price High Yield I	—	3.34	78.09	—	—

## Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# T. Rowe Price Retirement I 2020 I TRBRX

**Morningstar Category**  
Target-Date 2020

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

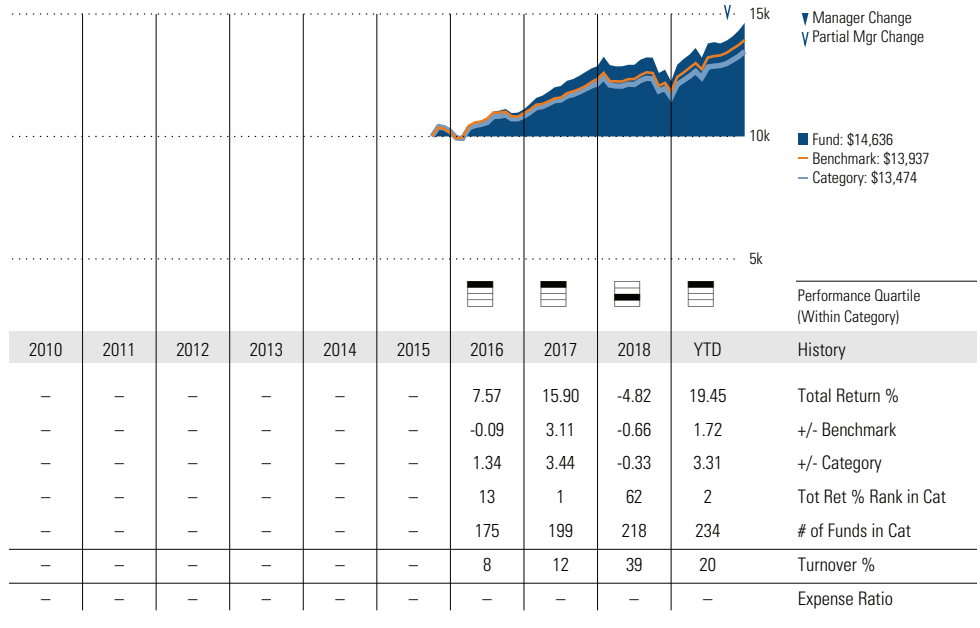
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.46 is 38.67% lower than the Target-Date 2020 category average.

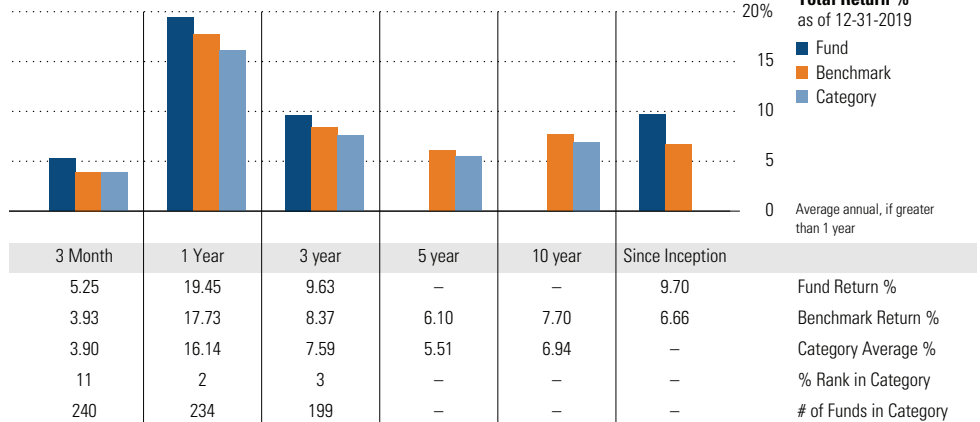
## Morningstar Investment Management LLC Analysis

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.

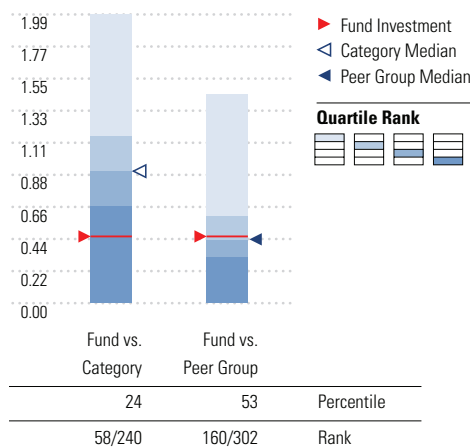
## Growth of \$10,000



## 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	-0.15	-	-0.43
Beta	1.17	-	0.93
R-Squared	96.94	-	93.75
Standard Deviation	6.76	5.70	5.43
Sharpe Ratio	1.14	1.14	1.00
Tracking Error	1.52	-	1.47
Information Ratio	0.83	-	-0.68
Up Capture Ratio	116.25	-	90.28
Down Capture Ratio	119.27	-	96.24

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.75	17.87
Price/Book Ratio	-	2.15	2.22
Avg Eff Duration	4.80	-	5.77

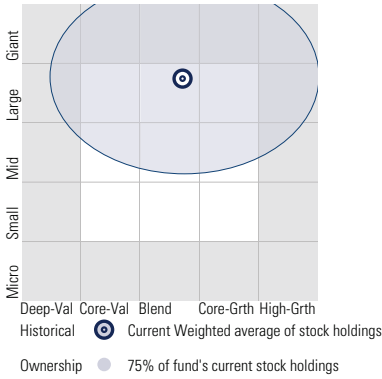
# T. Rowe Price Retirement I 2020 I TRBRX

**Morningstar Category**  
Target-Date 2020

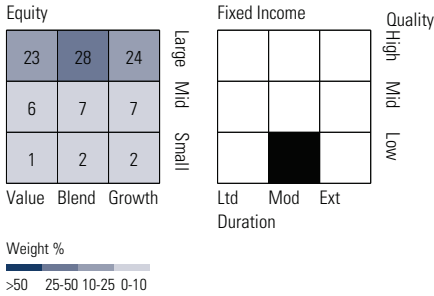
**Morningstar Index**  
Morningstar Lifetime Mod 2020 TR USD

## Style Analysis as of 12-31-2019

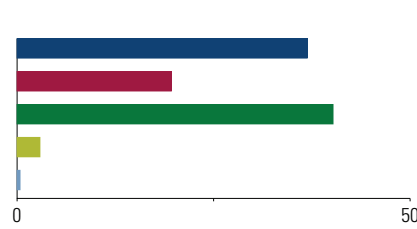
Morningstar Style Box™



## Style Breakdown

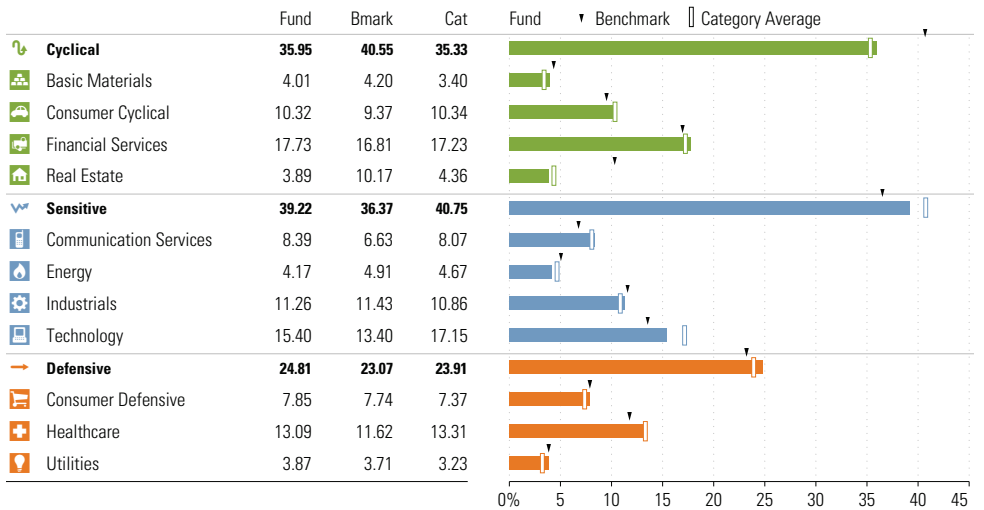


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	36.90	17.45
Non-US Stocks	19.62	5.83
Bonds	40.19	37.92
Cash	2.90	3.66
Other	0.37	35.13
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ T. Rowe Price Equity Index 500 I	-	17.83	17.83	-	-
⊕ T. Rowe Price New Income I	-	15.05	32.88	-	-
⊕ T. Rowe Price Ltd Dur Infl Focus Bd I	-	8.60	41.48	-	-
⊕ T. Rowe Price Growth Stock I	-	5.52	47.00	-	-
⊕ T. Rowe Price Value I	-	5.21	52.21	-	-
⊕ T. Rowe Price Intl Bd (USD Hdgd) I	-	5.08	57.29	-	-
⊕ T. Rowe Price Overseas Stock I	-	5.06	62.35	-	-
⊖ T. Rowe Price International Stock I	-	4.83	67.17	-	-
⊕ T. Rowe Price International Value Eq I	-	4.71	71.88	-	-
⊕ T. Rowe Price Emerging Markets Bond I	-	3.74	75.62	-	-

## Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2025 I TRPHX

**Morningstar Category**  
Target-Date 2025

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

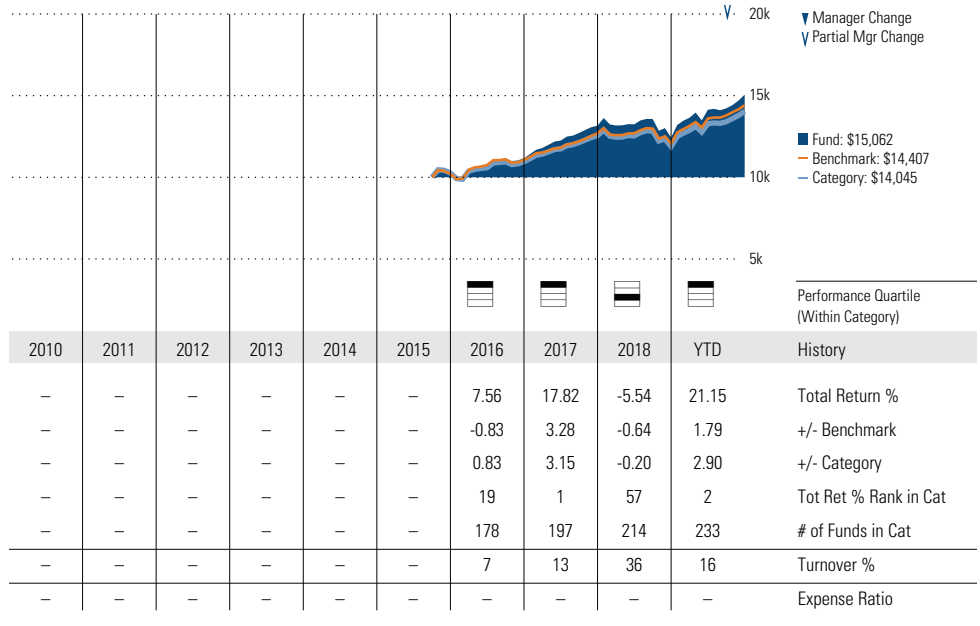
✘ **Style:** The fund has landed in its primary style box — Large Blend — 63.64 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.5 is 31.51% lower than the Target-Date 2025 category average.

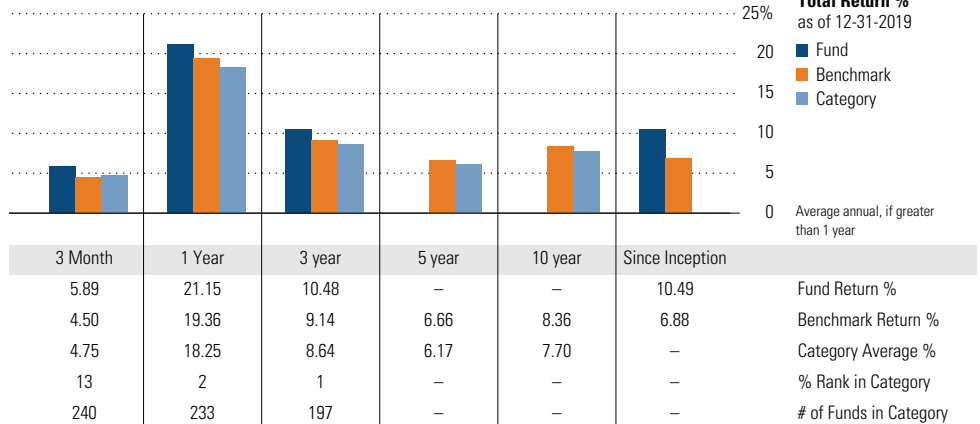
## Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

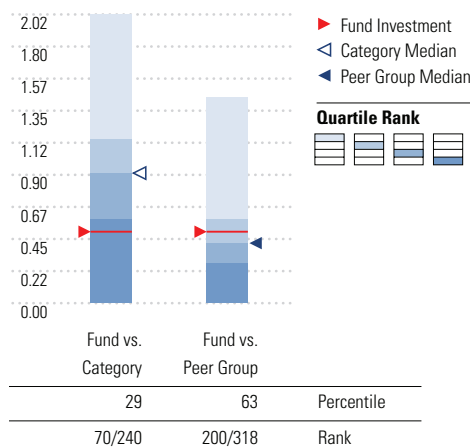
## Growth of \$10,000



## 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	-0.16	-	-0.57
Beta	1.16	-	0.99
R-Squared	97.23	-	96.98
Standard Deviation	7.70	6.53	6.60
Sharpe Ratio	1.11	1.11	1.01
Tracking Error	1.66	-	1.30
Information Ratio	0.80	-	-0.51
Up Capture Ratio	116.73	-	97.10
Down Capture Ratio	121.28	-	104.59

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.67	17.99
Price/Book Ratio	-	2.12	2.26
Avg Eff Duration	5.21	-	5.86

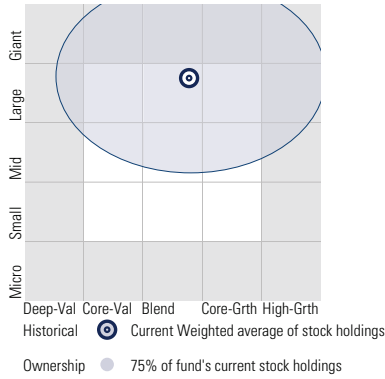
# T. Rowe Price Retirement I 2025 I TRPHX

**Morningstar Category**  
Target-Date 2025

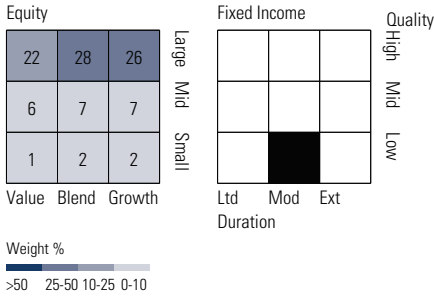
**Morningstar Index**  
Morningstar Lifetime Mod 2025 TR USD

## Style Analysis as of 12-31-2019

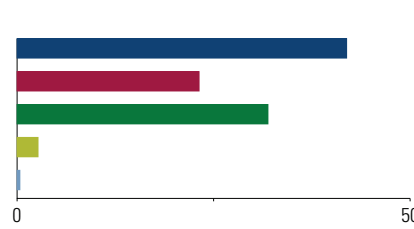
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	41.92	17.36
Non-US Stocks	23.15	7.34
Bonds	31.91	20.14
Cash	2.66	1.95
Other	0.35	53.20
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>35.99</b>	<b>40.48</b>	<b>35.27</b>			
Basic Materials	3.95	4.31	3.75			
Consumer Cyclical	10.48	9.47	10.20			
Financial Services	17.72	16.95	17.49			
Real Estate	3.84	9.75	3.83			
<b>Sensitive</b>	<b>39.16</b>	<b>36.49</b>	<b>40.96</b>			
Communication Services	8.44	6.67	8.91			
Energy	3.98	4.94	4.79			
Industrials	11.35	11.51	10.82			
Technology	15.39	13.37	16.44			
<b>Defensive</b>	<b>24.84</b>	<b>23.04</b>	<b>23.77</b>			
Consumer Defensive	7.67	7.74	7.74			
Healthcare	13.00	11.59	12.78			
Utilities	4.17	3.71	3.25			

## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Equity Index 500 I	—	15.17	15.17	—	—
⊕ T. Rowe Price New Income I	—	12.92	28.08	—	—
⊕ T. Rowe Price Growth Stock I	—	9.32	37.40	—	—
⊕ T. Rowe Price Value I	—	8.76	46.16	—	—
⊕ T. Rowe Price Overseas Stock I	—	5.81	51.97	—	—
⊕ T. Rowe Price International Stock I	—	5.53	57.51	—	—
⊕ T. Rowe Price International Value Eq I	—	5.49	63.00	—	—
⊕ T. Rowe Price Ltd Dur Infl Focus Bd I	—	4.64	67.64	—	—
⊕ T. Rowe Price Intl Bd (USD Hdgd) I	—	4.36	72.00	—	—
⊕ T. Rowe Price Emerging Markets Stock I	—	3.70	75.70	—	—

## Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2030 I TRPCX

**Morningstar Category**  
Target-Date 2030

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2030 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

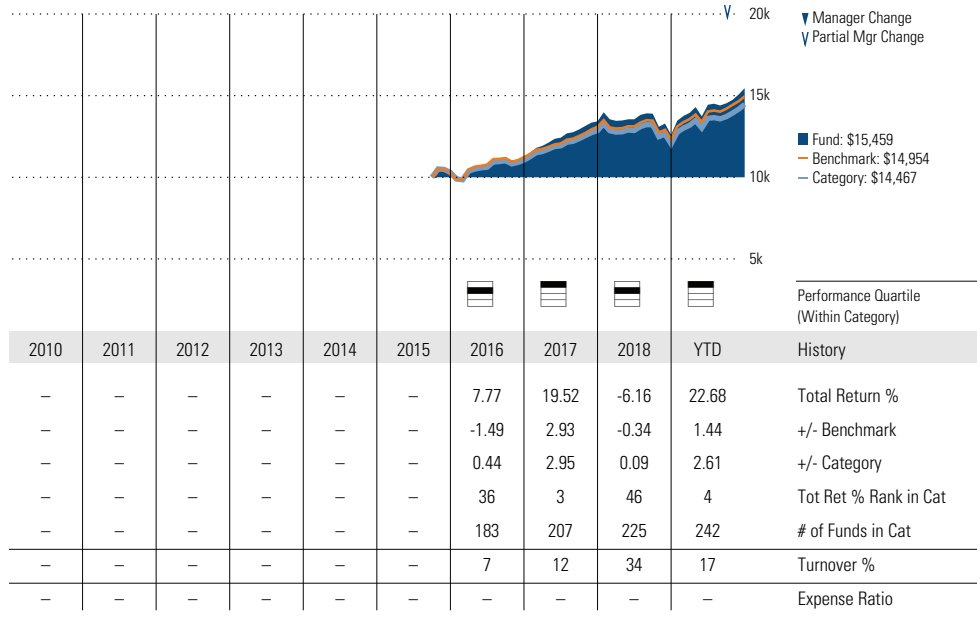
✘ **Style:** The fund has landed in its primary style box — Large Growth — 54.55 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.53 is 31.17% lower than the Target-Date 2030 category average.

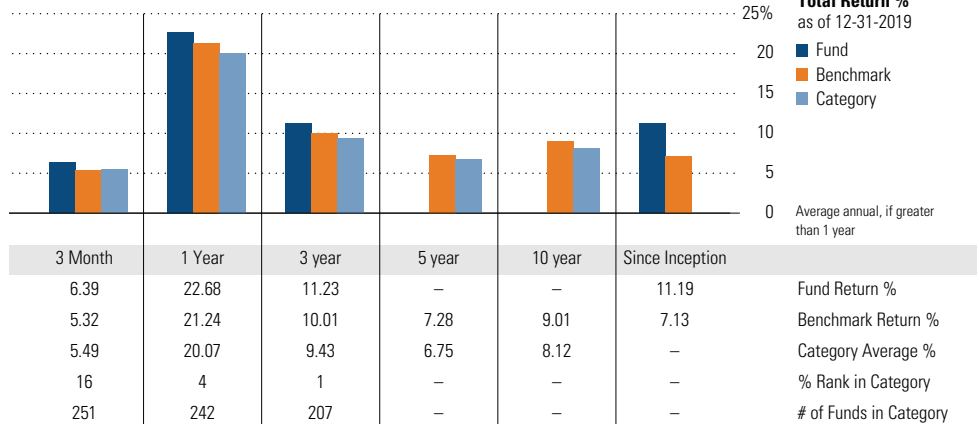
## Morningstar Investment Management LLC Analysis

This fund fails our current style screen. Because this is a target-date fund, this screen failure does not concern us and we are still comfortable using this fund.

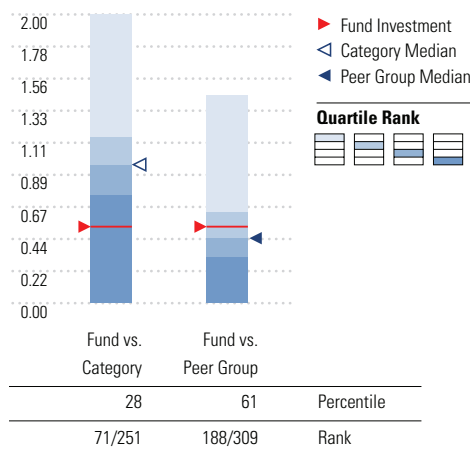
## Growth of \$10,000



## 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	-	-0.60
Beta	1.11	-	0.99
R-Squared	97.84	-	96.39
Standard Deviation	8.56	7.66	7.72
Sharpe Ratio	1.09	1.06	0.96
Tracking Error	1.49	-	1.42
Information Ratio	0.81	-	-0.46
Up Capture Ratio	111.55	-	97.19
Down Capture Ratio	111.15	-	104.17

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.60	17.87
Price/Book Ratio	-	2.10	2.20
Avg Eff Duration	5.59	-	5.88

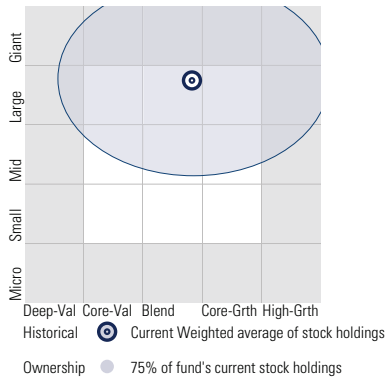
# T. Rowe Price Retirement I 2030 I TRPCX

**Morningstar Category**  
Target-Date 2030

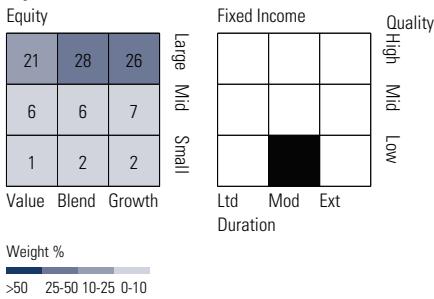
**Morningstar Index**  
Morningstar Lifetime Mod 2030 TR USD

## Style Analysis as of 12-31-2019

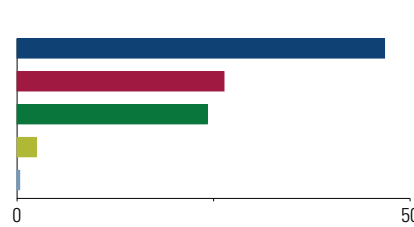
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	46.75	27.05
Non-US Stocks	26.32	11.57
Bonds	24.19	16.47
Cash	2.42	2.07
Other	0.33	42.84
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>36.00</b>	<b>40.33</b>	<b>35.23</b>			
Basic Materials	3.91	4.40	3.64			
Consumer Cyclical	10.58	9.58	10.37			
Financial Services	17.69	17.12	17.68			
Real Estate	3.82	9.23	3.54			
<b>Sensitive</b>	<b>39.11</b>	<b>36.64</b>	<b>40.73</b>			
Communication Services	8.43	6.69	8.93			
Energy	3.84	4.98	4.52			
Industrials	11.46	11.62	10.95			
Technology	15.38	13.35	16.33			
<b>Defensive</b>	<b>24.89</b>	<b>23.03</b>	<b>24.04</b>			
Consumer Defensive	7.53	7.77	7.79			
Healthcare	12.97	11.54	12.90			
Utilities	4.39	3.72	3.35			

## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	-	12.79	12.79	-	-
⊕ T. Rowe Price Equity Index 500 I	-	12.49	25.28	-	-
⊕ T. Rowe Price Value I	-	12.00	37.28	-	-
⊕ T. Rowe Price New Income I	-	10.45	47.72	-	-
⊕ T. Rowe Price Overseas Stock I	-	6.52	54.24	-	-
⊕ T. Rowe Price International Stock I	-	6.22	60.46	-	-
⊕ T. Rowe Price International Value Eq I	-	6.12	66.58	-	-
⊕ T. Rowe Price Emerging Markets Stock I	-	4.09	70.67	-	-
⊕ T. Rowe Price Intl Bd (USD Hdgd) I	-	3.44	74.11	-	-
⊕ T. Rowe Price Mid-Cap Growth I	-	3.36	77.47	-	-

## Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2035 I TRPJX

**Morningstar Category**  
Target-Date 2035

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

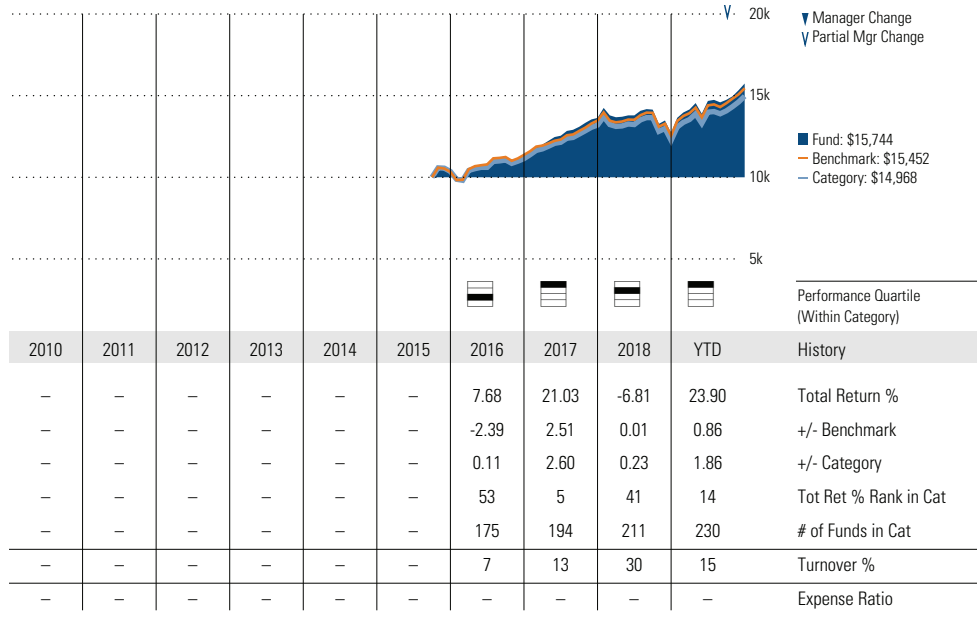
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.56 is 26.32% lower than the Target-Date 2035 category average.

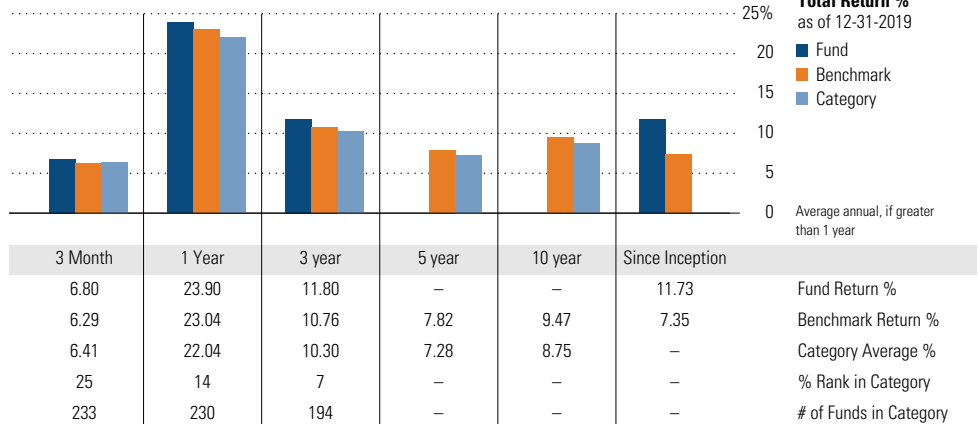
## Morningstar Investment Management LLC Analysis

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.

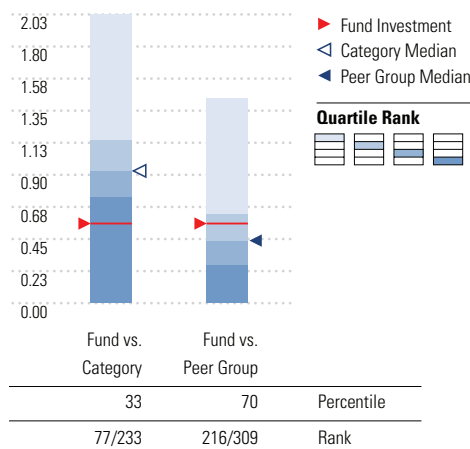
## Growth of \$10,000



## 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	0.56	-	-0.39
Beta	1.04	-	0.99
R-Squared	98.07	-	98.32
Standard Deviation	9.30	8.86	8.86
Sharpe Ratio	1.06	1.01	0.95
Tracking Error	1.34	-	1.27
Information Ratio	0.78	-	-0.41
Up Capture Ratio	106.04	-	97.98
Down Capture Ratio	101.53	-	101.65

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.52	18.00
Price/Book Ratio	-	2.08	2.24
Avg Eff Duration	6.16	-	5.90

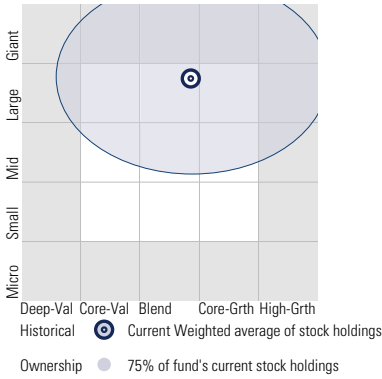
# T. Rowe Price Retirement I 2035 I TRPJX

**Morningstar Category**  
Target-Date 2035

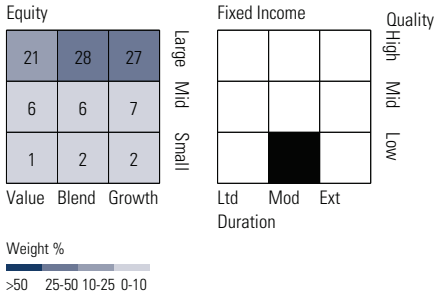
**Morningstar Index**  
Morningstar Lifetime Mod 2035 TR USD

## Style Analysis as of 12-31-2019

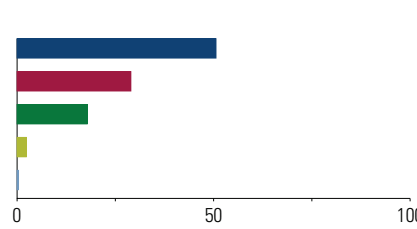
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	50.60	45.41
Non-US Stocks	28.94	24.50
Bonds	17.83	18.38
Cash	2.33	2.74
Other	0.30	8.97
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>36.04</b>	<b>40.25</b>	<b>37.27</b>			
Basic Materials	3.89	4.49	3.98			
Consumer Cyclical	10.65	9.67	10.22			
Financial Services	17.68	17.27	17.46			
Real Estate	3.82	8.82	5.61			
<b>Sensitive</b>	<b>39.08</b>	<b>36.75</b>	<b>39.79</b>			
Communication Services	8.45	6.72	8.36			
Energy	3.76	5.01	4.53			
Industrials	11.51	11.70	11.20			
Technology	15.36	13.32	15.70			
<b>Defensive</b>	<b>24.89</b>	<b>23.00</b>	<b>22.93</b>			
Consumer Defensive	7.43	7.78	7.34			
Healthcare	12.93	11.50	12.32			
Utilities	4.53	3.72	3.27			

## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	—	15.66	15.66	—	—
⊕ T. Rowe Price Value I	—	14.60	30.26	—	—
⊕ T. Rowe Price Equity Index 500 I	—	10.32	40.58	—	—
⊕ T. Rowe Price New Income I	—	8.39	48.97	—	—
⊕ T. Rowe Price Overseas Stock I	—	7.09	56.06	—	—
⊕ T. Rowe Price International Stock I	—	6.73	62.79	—	—
⊕ T. Rowe Price International Value Eq I	—	6.64	69.44	—	—
⊕ T. Rowe Price Emerging Markets Stock I	—	4.46	73.90	—	—
⊕ T. Rowe Price Mid-Cap Growth I	—	3.65	77.55	—	—
⊕ T. Rowe Price Mid-Cap Value I	—	3.44	80.98	—	—

## Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# T. Rowe Price Retirement I 2040 I TRPDX

**Morningstar Category**  
Target-Date 2040

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

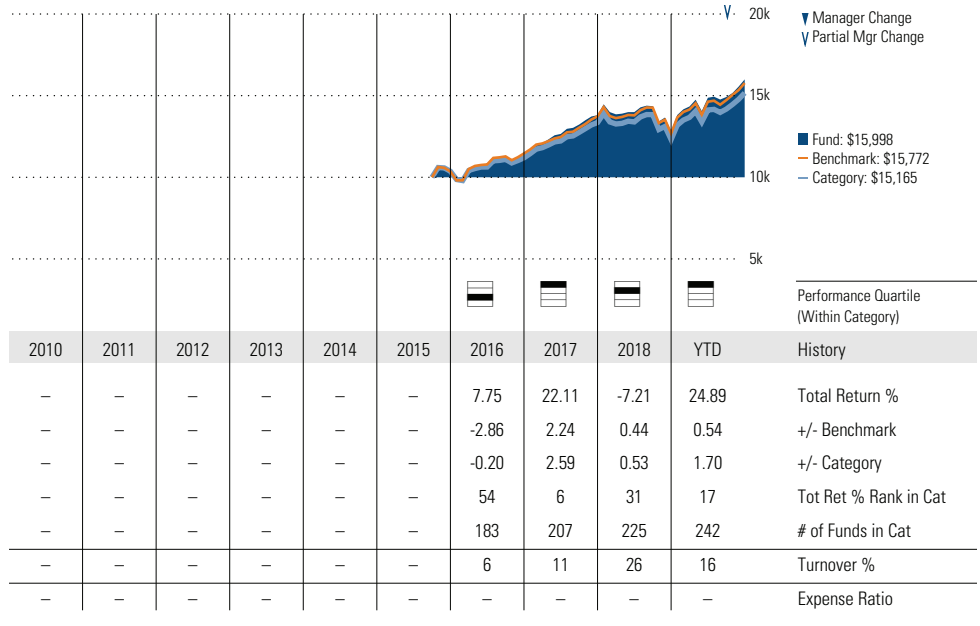
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.58 is 26.58% lower than the Target-Date 2040 category average.

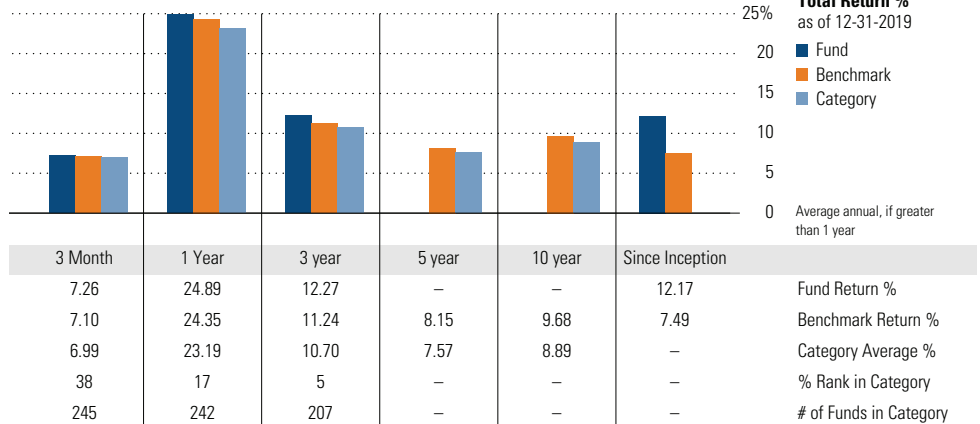
## Morningstar Investment Management LLC Analysis

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.

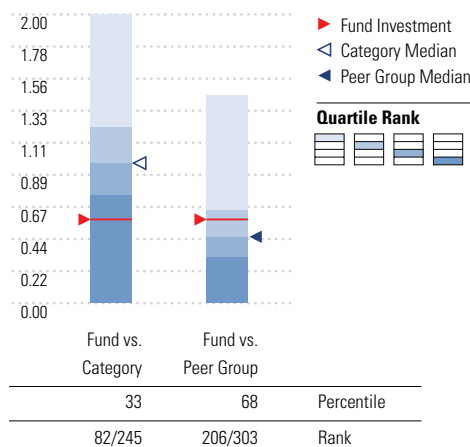
## Growth of \$10,000



## 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	0.98	-	-0.20
Beta	1.00	-	0.96
R-Squared	97.88	-	96.84
Standard Deviation	9.86	9.80	9.53
Sharpe Ratio	1.05	0.96	0.92
Tracking Error	1.44	-	1.50
Information Ratio	0.72	-	-0.40
Up Capture Ratio	102.81	-	95.45
Down Capture Ratio	95.31	-	97.29

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.44	17.85
Price/Book Ratio	-	2.06	2.20
Avg Eff Duration	6.52	-	5.93

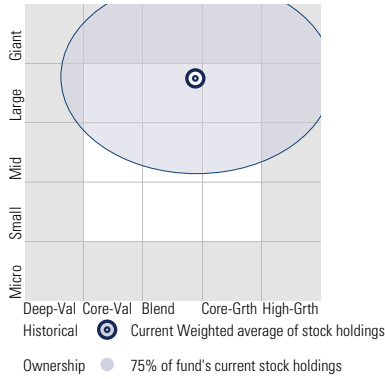
# T. Rowe Price Retirement I 2040 I TRPDX

**Morningstar Category**  
Target-Date 2040

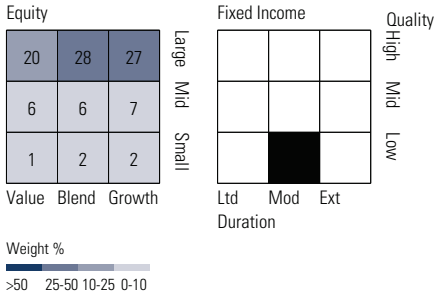
**Morningstar Index**  
Morningstar Lifetime Mod 2040 TR USD

## Style Analysis as of 12-31-2019

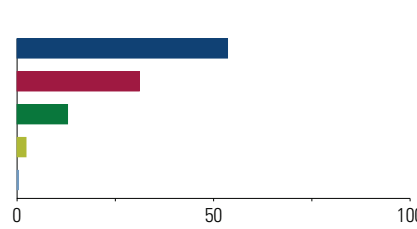
Morningstar Style Box™



## Style Breakdown

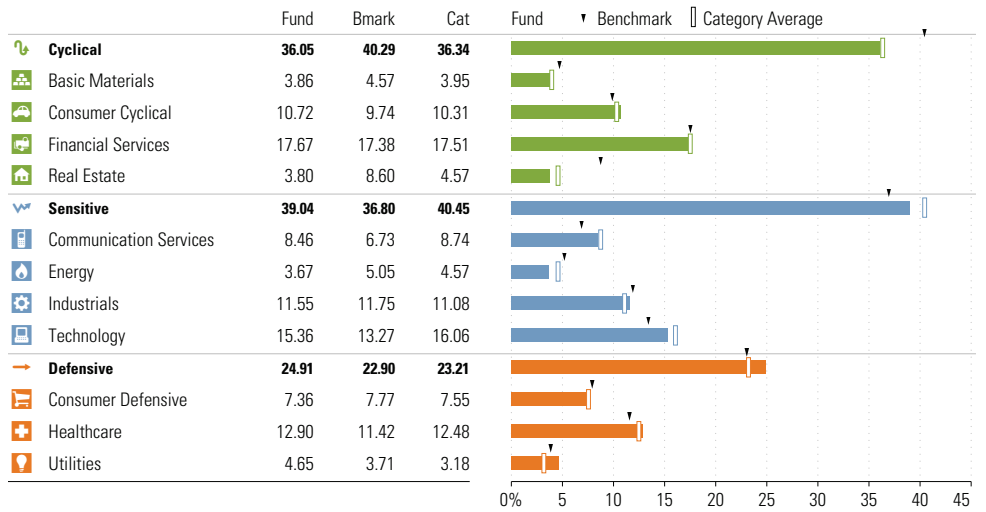


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	53.54	38.04
Non-US Stocks	31.09	19.96
Bonds	12.83	5.97
Cash	2.26	1.63
Other	0.27	34.41
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	-	18.18	18.18	-	-
⊕ T. Rowe Price Value I	-	16.96	35.15	-	-
⊕ T. Rowe Price Equity Index 500 I	-	8.12	43.27	-	-
⊕ T. Rowe Price Overseas Stock I	-	7.56	50.83	-	-
⊕ T. Rowe Price International Stock I	-	7.20	58.03	-	-
⊕ T. Rowe Price International Value Eq I	-	7.07	65.10	-	-
⊕ T. Rowe Price New Income I	-	6.01	71.10	-	-
⊕ T. Rowe Price Emerging Markets Stock I	-	4.74	75.85	-	-
⊕ T. Rowe Price Mid-Cap Growth I	-	3.90	79.74	-	-
⊕ T. Rowe Price Mid-Cap Value I	-	3.58	83.33	-	-

## Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2045 I TRPKX

**Morningstar Category**  
Target-Date 2045

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2045 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

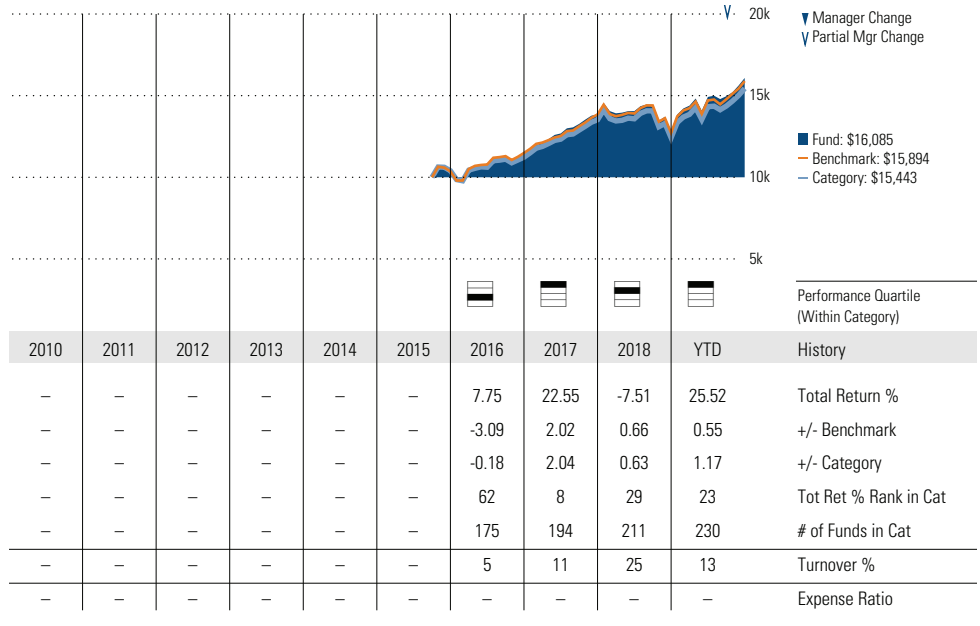
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.59 is 23.38% 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.

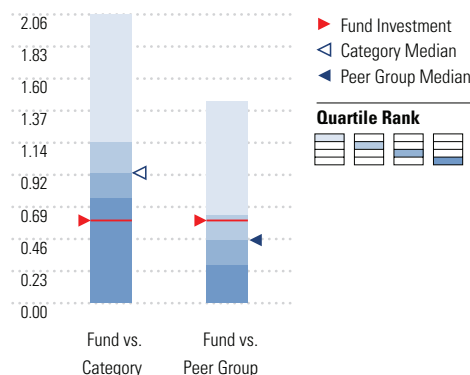
## Growth of \$10,000



## 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	1.10	-	-0.12
Beta	0.99	-	0.98
R-Squared	97.89	-	98.54
Standard Deviation	10.25	10.28	10.17
Sharpe Ratio	1.03	0.94	0.92
Tracking Error	1.49	-	1.28
Information Ratio	0.70	-	-0.30
Up Capture Ratio	102.05	-	97.85
Down Capture Ratio	93.98	-	98.82

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.36	18.17
Price/Book Ratio	-	2.04	2.23
Avg Eff Duration	6.78	-	5.97

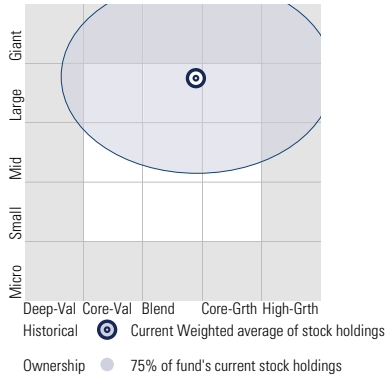
# T. Rowe Price Retirement I 2045 I TRPKX

**Morningstar Category**  
Target-Date 2045

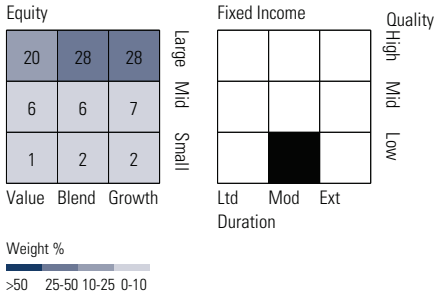
**Morningstar Index**  
Morningstar Lifetime Mod 2045 TR USD

## Style Analysis as of 12-31-2019

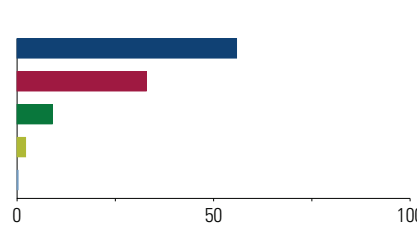
Morningstar Style Box™



## Style Breakdown

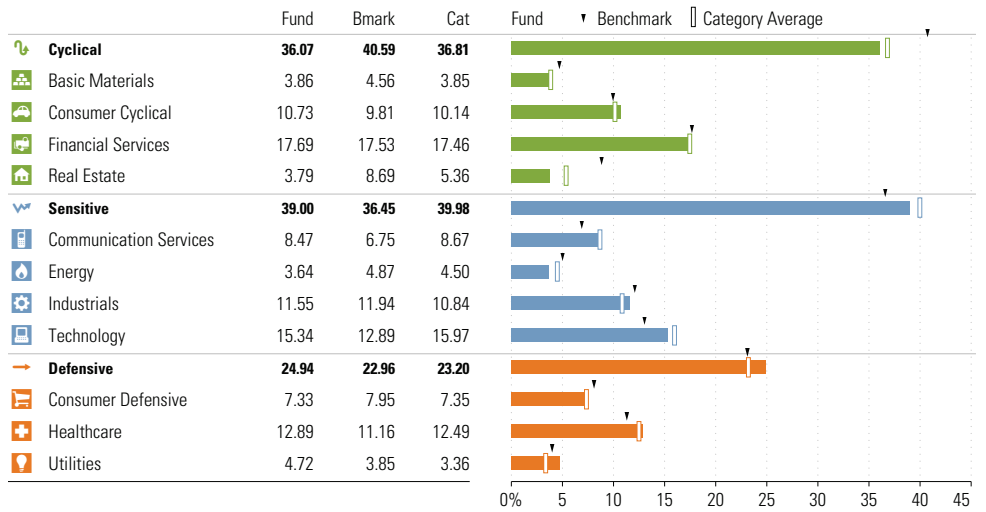


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	55.83	45.48
Non-US Stocks	32.85	25.35
Bonds	8.92	2.90
Cash	2.15	1.51
Other	0.25	24.76
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	-	19.88	19.88	-	-
⊕ T. Rowe Price Value I	-	18.62	38.50	-	-
⊕ T. Rowe Price Overseas Stock I	-	7.89	46.39	-	-
⊕ T. Rowe Price International Stock I	-	7.54	53.93	-	-
⊕ T. Rowe Price International Value Eq I	-	7.51	61.44	-	-
⊕ T. Rowe Price Equity Index 500 I	-	6.93	68.37	-	-
⊕ T. Rowe Price Emerging Markets Stock I	-	5.03	73.39	-	-
⊕ T. Rowe Price New Income I	-	4.13	77.53	-	-
⊕ T. Rowe Price Mid-Cap Growth I	-	3.99	81.52	-	-
⊕ T. Rowe Price Mid-Cap Value I	-	3.81	85.33	-	-

## Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2050 I TRPMX

**Morningstar Category**  
Target-Date 2050

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2050 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

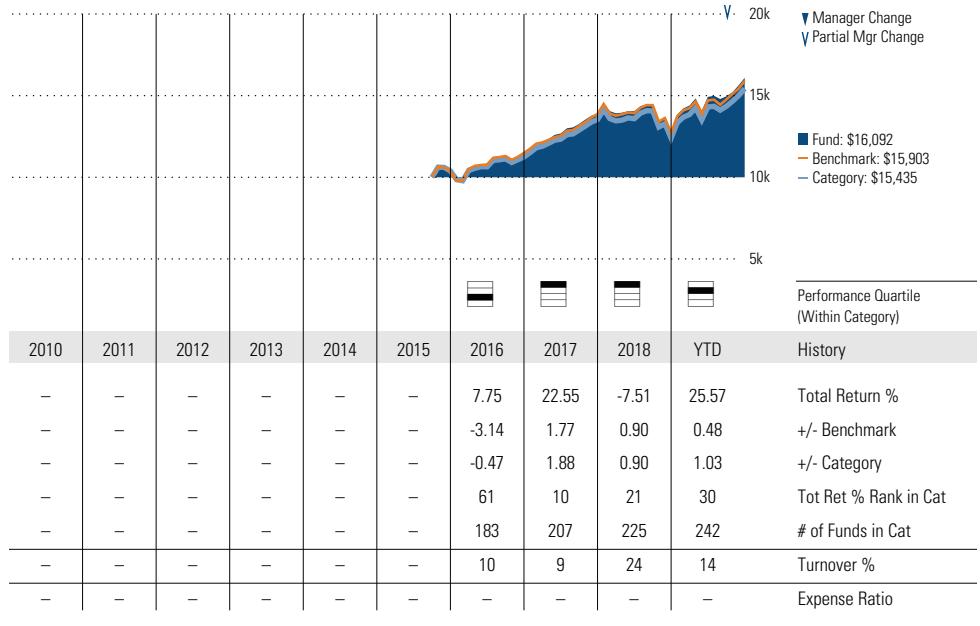
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.59 is 26.25% 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.

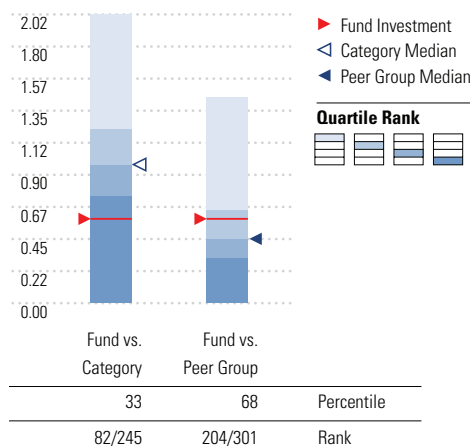
## Growth of \$10,000



## 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	1.25	-	-0.09
Beta	0.97	-	0.97
R-Squared	97.78	-	96.89
Standard Deviation	10.24	10.42	10.26
Sharpe Ratio	1.04	0.93	0.90
Tracking Error	1.55	-	1.51
Information Ratio	0.68	-	-0.25
Up Capture Ratio	100.98	-	96.94
Down Capture Ratio	91.83	-	97.82

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.28	18.03
Price/Book Ratio	-	2.02	2.21
Avg Eff Duration	6.78	-	5.96

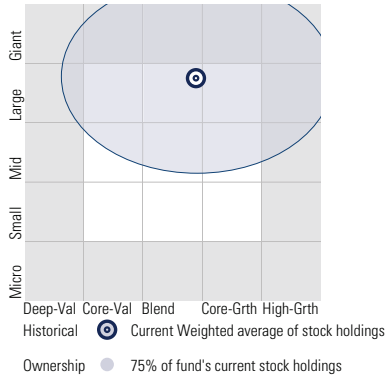
# T. Rowe Price Retirement I 2050 I TRPMX

**Morningstar Category**  
Target-Date 2050

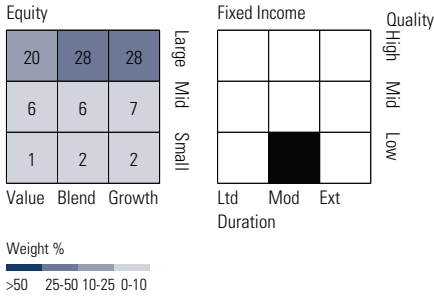
**Morningstar Index**  
Morningstar Lifetime Mod 2050 TR USD

## Style Analysis as of 12-31-2019

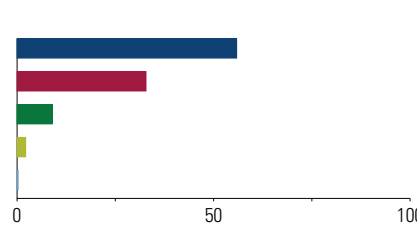
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	55.86	46.52
Non-US Stocks	32.79	27.09
Bonds	8.92	2.00
Cash	2.18	1.45
Other	0.25	22.94
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>36.06</b>	<b>40.70</b>	<b>37.03</b>			
Basic Materials	3.85	4.69	4.01			
Consumer Cyclical	10.74	9.84	10.18			
Financial Services	17.68	17.51	17.39			
Real Estate	3.79	8.66	5.45			
<b>Sensitive</b>	<b>39.02</b>	<b>36.66</b>	<b>39.88</b>			
Communication Services	8.49	6.72	8.57			
Energy	3.63	5.07	4.55			
Industrials	11.55	11.77	11.07			
Technology	15.35	13.10	15.69			
<b>Defensive</b>	<b>24.92</b>	<b>22.62</b>	<b>23.08</b>			
Consumer Defensive	7.32	7.73	7.32			
Healthcare	12.88	11.20	12.34			
Utilities	4.72	3.69	3.42			

## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	—	19.90	19.90	—	—
⊕ T. Rowe Price Value I	—	18.63	38.53	—	—
⊕ T. Rowe Price Overseas Stock I	—	7.88	46.41	—	—
⊕ T. Rowe Price International Stock I	—	7.57	53.98	—	—
⊕ T. Rowe Price International Value Eq I	—	7.46	61.44	—	—
⊕ T. Rowe Price Equity Index 500 I	—	6.96	68.40	—	—
⊕ T. Rowe Price Emerging Markets Stock I	—	4.99	73.40	—	—
⊕ T. Rowe Price New Income I	—	4.15	77.54	—	—
⊕ T. Rowe Price Mid-Cap Growth I	—	3.99	81.54	—	—
⊕ T. Rowe Price Mid-Cap Value I	—	3.77	85.31	—	—

## Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

# T. Rowe Price Retirement I 2055 I TRPNX

**Morningstar Category**  
Target-Date 2055

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

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

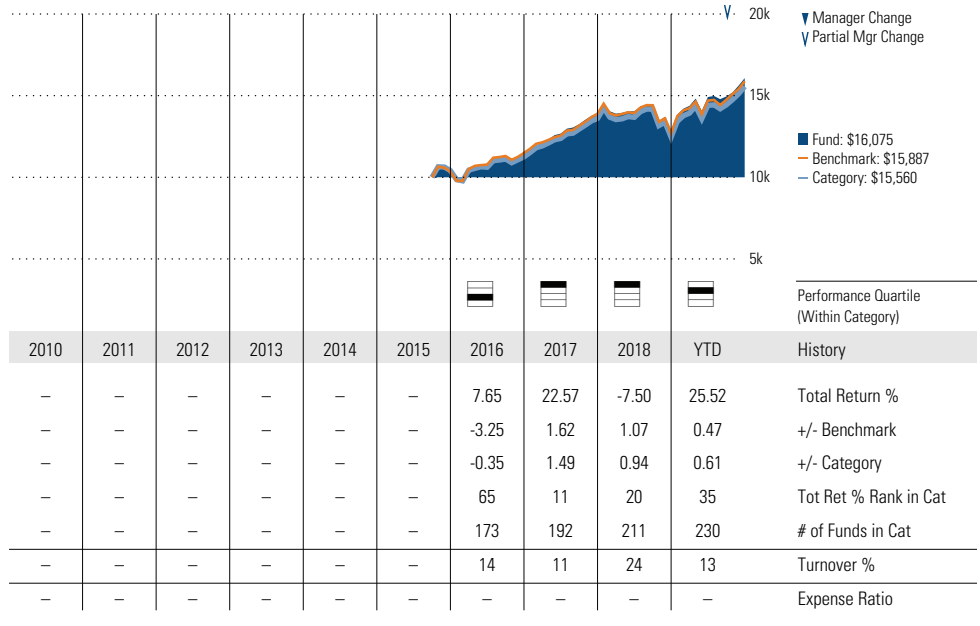
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.59 is 23.38% 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.

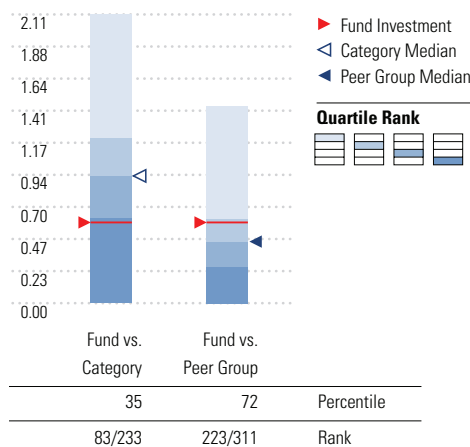
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.30	-	-0.04
Beta	0.97	-	0.99
R-Squared	97.65	-	98.53
Standard Deviation	10.25	10.45	10.46
Sharpe Ratio	1.03	0.92	0.91
Tracking Error	1.60	-	1.30
Information Ratio	0.67	-	-0.14
Up Capture Ratio	101.09	-	99.24
Down Capture Ratio	91.95	-	99.74

## Portfolio Metrics

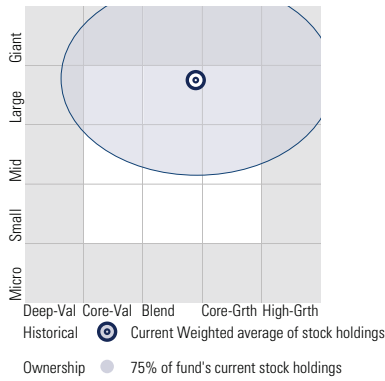
	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.19	17.92
Price/Book Ratio	-	2.00	2.19
Avg Eff Duration	6.78	-	5.95

# T. Rowe Price Retirement I 2055 I TRPNX

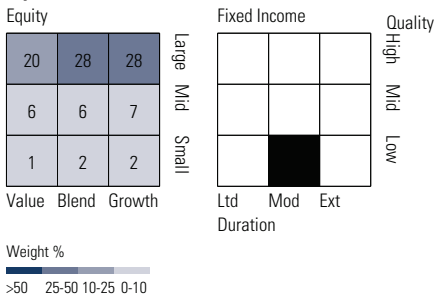
**Morningstar Category**  
Target-Date 2055

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

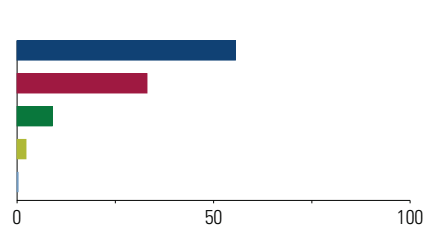
**Style Analysis** as of 12-31-2019  
Morningstar Style Box™



**Style Breakdown**

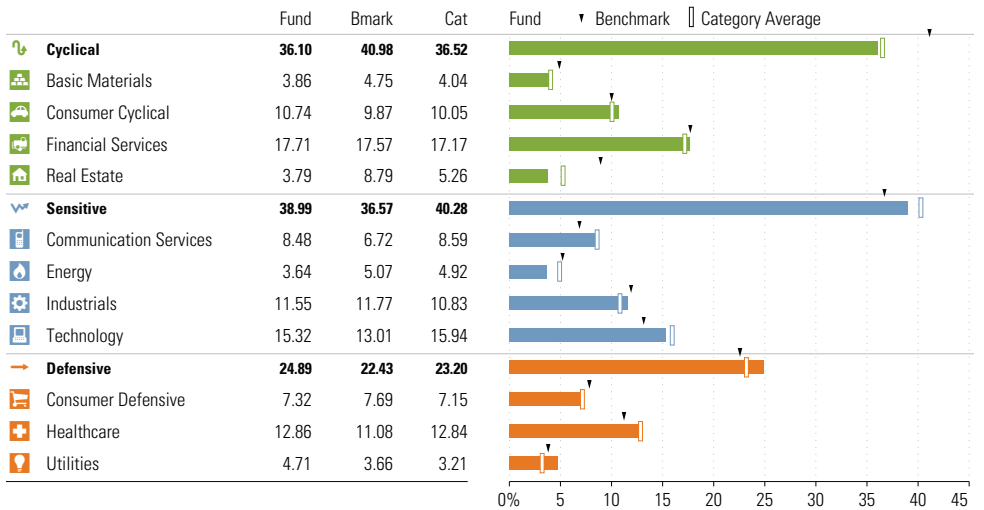


**Asset Allocation** as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	55.54	50.49
Non-US Stocks	33.04	29.63
Bonds	8.92	3.70
Cash	2.25	2.09
Other	0.25	14.08
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Sector Weighting** as of 12-31-2019



**Top 10 Holdings** as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	-	19.84	19.84	-	-
⊕ T. Rowe Price Value I	-	18.54	38.38	-	-
⊕ T. Rowe Price Overseas Stock I	-	8.04	46.41	-	-
⊕ T. Rowe Price International Value Eq I	-	7.56	53.98	-	-
⊕ T. Rowe Price International Stock I	-	7.53	61.51	-	-
⊕ T. Rowe Price Equity Index 500 I	-	6.83	68.35	-	-
⊕ T. Rowe Price Emerging Markets Stock I	-	5.07	73.41	-	-
⊕ T. Rowe Price New Income I	-	4.13	77.54	-	-
⊕ T. Rowe Price Mid-Cap Growth I	-	3.98	81.52	-	-
⊕ T. Rowe Price Mid-Cap Value I	-	3.74	85.26	-	-

**Total Holdings 21**

⊕ Increase ⊖ Decrease ✨ New to Portfolio



# T. Rowe Price Retirement I 2060 I TRPLX

**Morningstar Category**  
Target-Date 2060+

**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

## Portfolio Manager(s)

Jerome Clark since 09-2015  
Wyatt Lee since 09-2015  
Kim DeDominicis since 10-2019

## Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060+ category's top three quartiles in 4 of the 4 years it's been in existence.

✔ **Management:** The fund's management has been in place for 4.26 years.

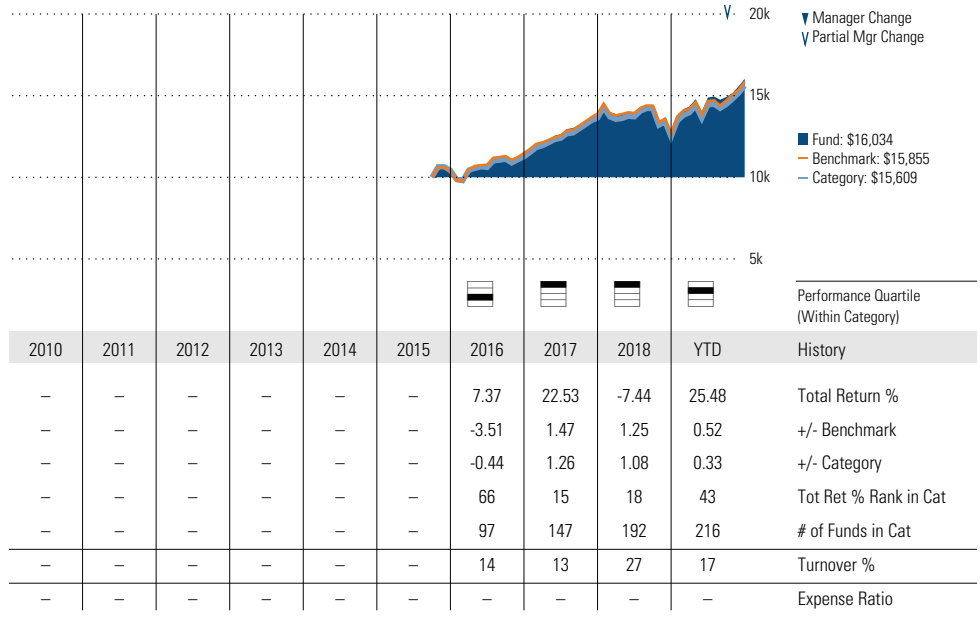
✔ **Style:** The fund has landed in its primary style box — Large Growth — 72.73 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.59 is 24.36% lower than the Target-Date 2060+ category average.

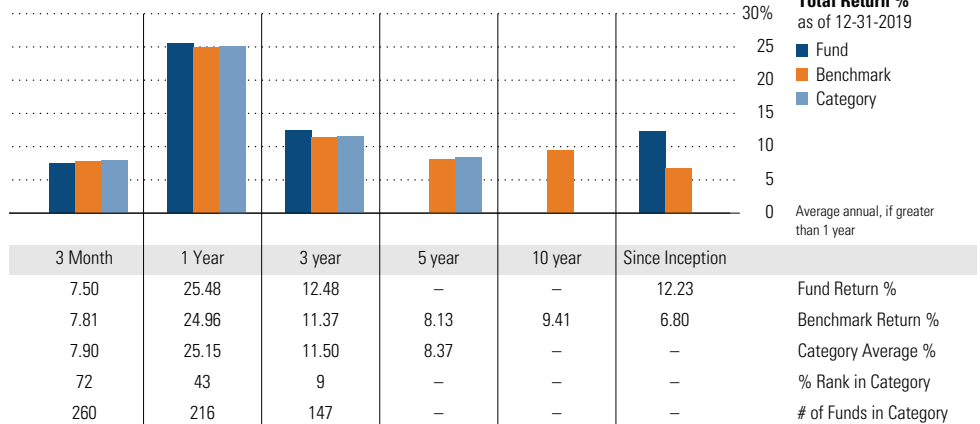
## Morningstar Investment Management LLC Analysis

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.

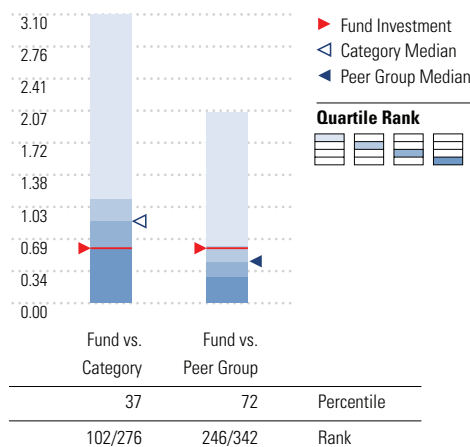
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.34	-	0.08
Beta	0.97	-	1.00
R-Squared	97.70	-	98.42
Standard Deviation	10.24	10.45	10.53
Sharpe Ratio	1.03	0.92	0.92
Tracking Error	1.59	-	1.36
Information Ratio	0.70	-	0.01
Up Capture Ratio	101.11	-	100.30
Down Capture Ratio	91.53	-	99.99

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.12	-
Price/Book Ratio	-	1.99	-
Avg Eff Duration	6.77	-	5.81

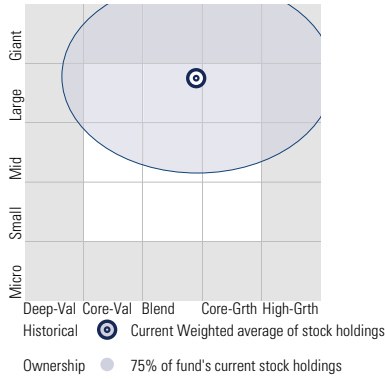
# T. Rowe Price Retirement I 2060 I TRPLX

**Morningstar Category**  
Target-Date 2060+

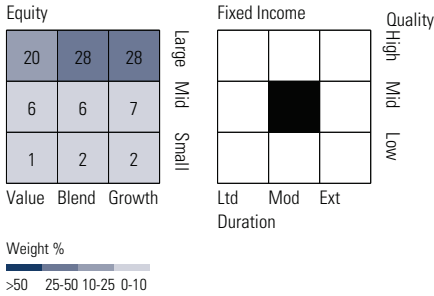
**Morningstar Index**  
Morningstar Lifetime Mod 2060 TR USD

## Style Analysis as of 12-31-2019

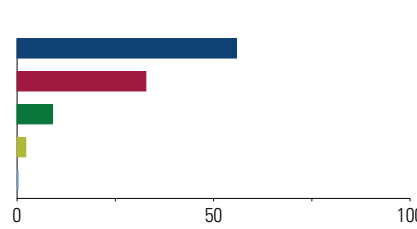
Morningstar Style Box™



## Style Breakdown

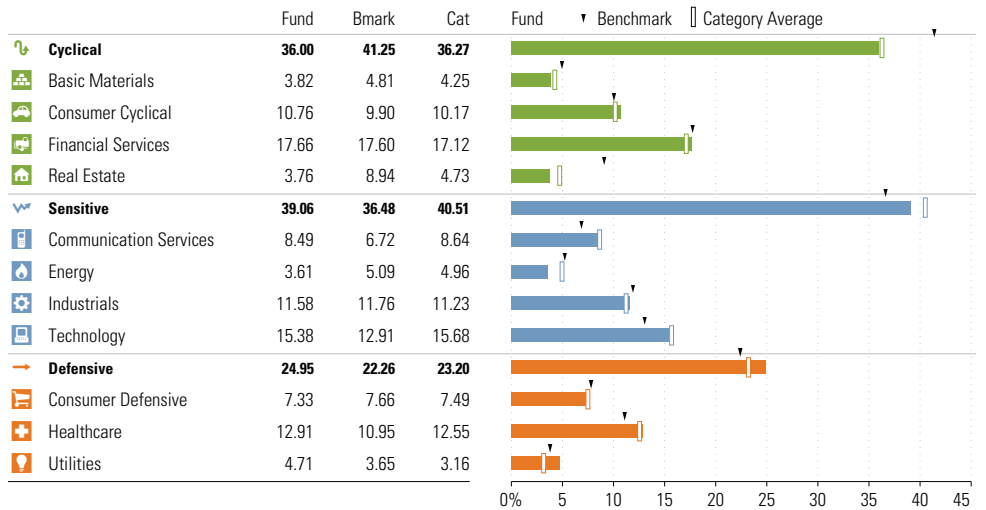


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	55.79	46.50
Non-US Stocks	32.76	29.14
Bonds	9.00	4.64
Cash	2.21	1.90
Other	0.25	17.81
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ T. Rowe Price Growth Stock I	—	19.83	19.83	—	—
⊕ T. Rowe Price Value I	—	18.59	38.43	—	—
⊕ T. Rowe Price Overseas Stock I	—	8.04	46.46	—	—
⊕ T. Rowe Price International Stock I	—	7.67	54.13	—	—
⊕ T. Rowe Price International Value Eq I	—	7.29	61.43	—	—
⊕ T. Rowe Price Equity Index 500 I	—	6.97	68.40	—	—
⊕ T. Rowe Price Emerging Markets Stock I	—	4.92	73.32	—	—
⊕ T. Rowe Price New Income I	—	4.19	77.51	—	—
⊕ T. Rowe Price Mid-Cap Growth I	—	4.07	81.57	—	—
⊕ T. Rowe Price Mid-Cap Value I	—	3.66	85.24	—	—

## Total Holdings 21

⊕ 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 3.68 years.

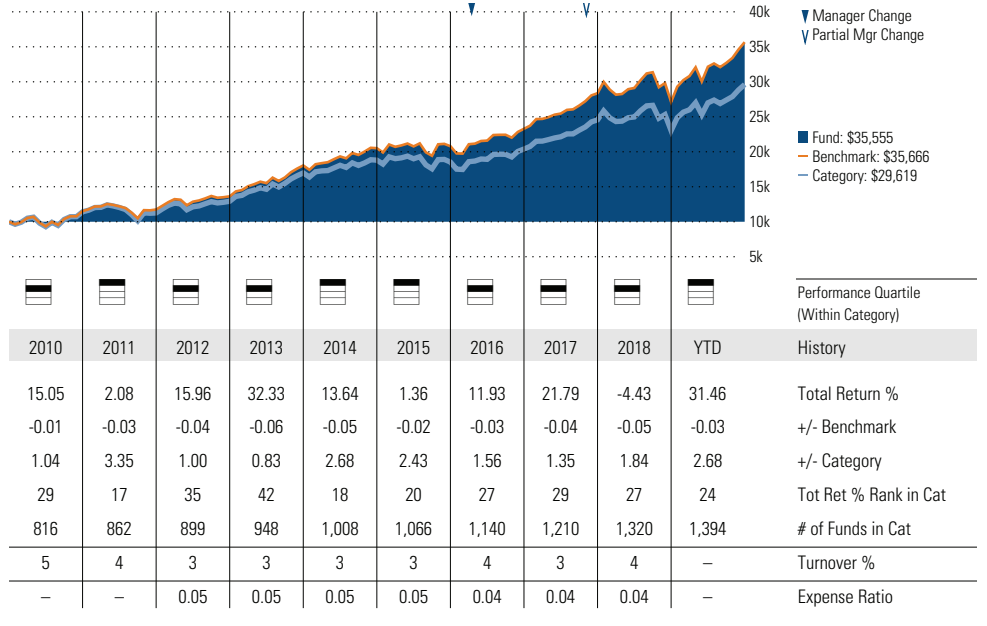
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.04 is 95.51% lower than the Large Blend category average.

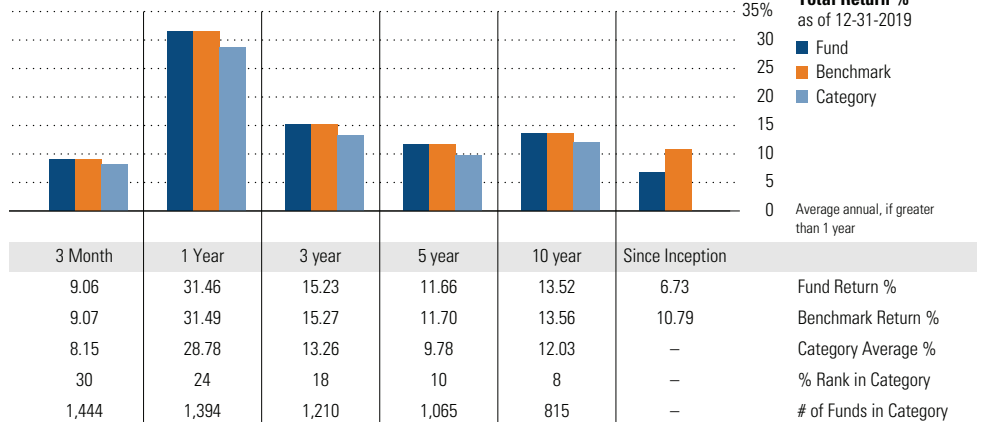
## Morningstar Investment Management LLC Analysis

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.

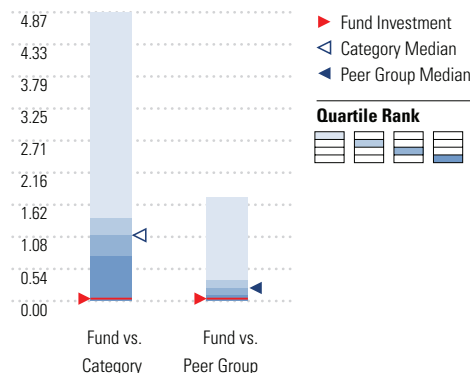
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.04	-	-1.42
Beta	1.00	-	0.95
R-Squared	100.00	-	94.36
Standard Deviation	12.10	12.10	11.87
Sharpe Ratio	1.10	1.10	0.96
Tracking Error	0.01	-	2.89
Information Ratio	-4.27	-	-1.41
Up Capture Ratio	99.87	-	90.48
Down Capture Ratio	100.05	-	97.68

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.64	18.71	17.87
Price/Book Ratio	2.69	2.74	2.65
Geom Avg Mkt Cap \$B	71.43	73.09	97.84
ROE	21.19	21.80	22.01

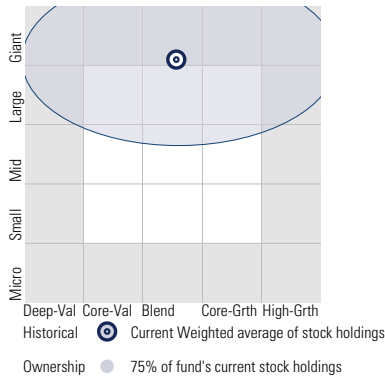
# Vanguard 500 Index Admiral VFIAX

**Morningstar Category**  
Large Blend

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

## Style Analysis as of 12-31-2019

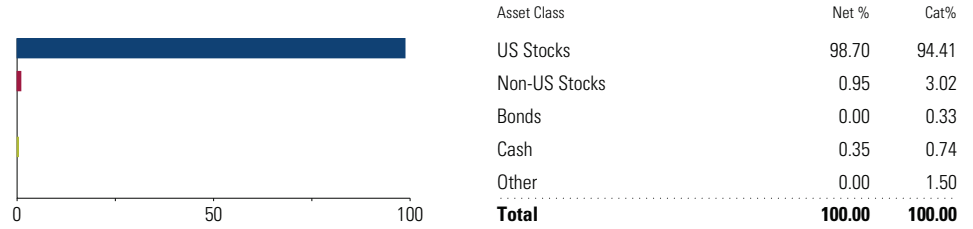
Morningstar Style Box™



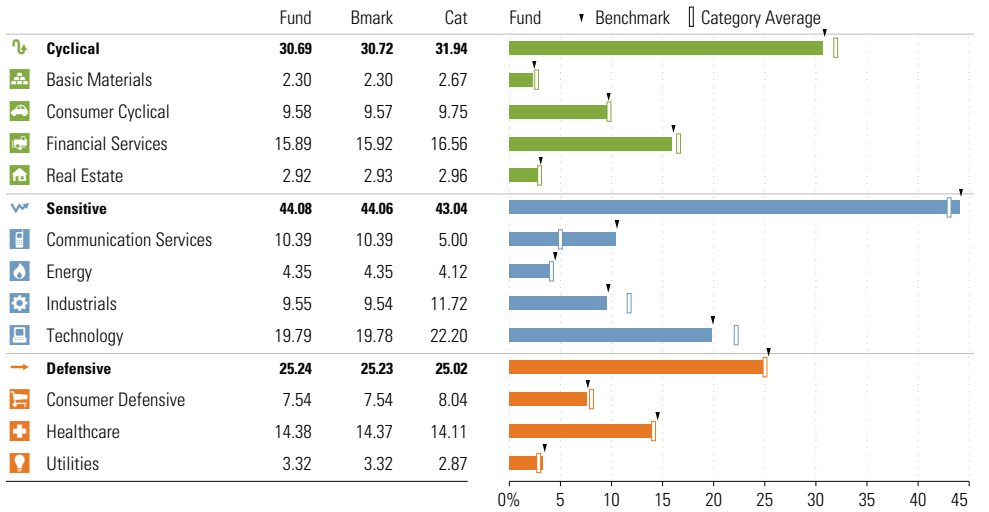
## Style Breakdown



## Asset Allocation as of 12-31-2019



## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Apple Inc	4.55	4.55	88.09	Technology
Microsoft Corp	4.47	9.02	57.12	Technology
Amazon.com Inc	2.86	11.88	23.03	Consumer Cyclical
Facebook Inc A	1.83	13.71	56.57	Communication Svc
JPMorgan Chase & Co	1.61	15.32	46.18	Financial Services
Berkshire Hathaway Inc B	1.60	16.92	10.93	Financial Services
Alphabet Inc Class C	1.49	18.41	29.10	Communication Svc
Alphabet Inc A	1.48	19.89	28.18	Communication Svc
Johnson & Johnson	1.43	21.32	15.94	Healthcare
Visa Inc Class A	1.19	22.51	43.21	Financial Services
Procter & Gamble Co	1.16	23.67	39.09	Consumer Defensive
Exxon Mobil Corp	1.10	24.76	7.36	Energy
AT&T Inc	1.06	25.82	44.08	Communication Svc
Bank of America Corp	1.06	26.88	45.62	Financial Services
UnitedHealth Group Inc	1.03	27.92	19.67	Healthcare

**Total Holdings 521**

⊕ 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 6.86 years.

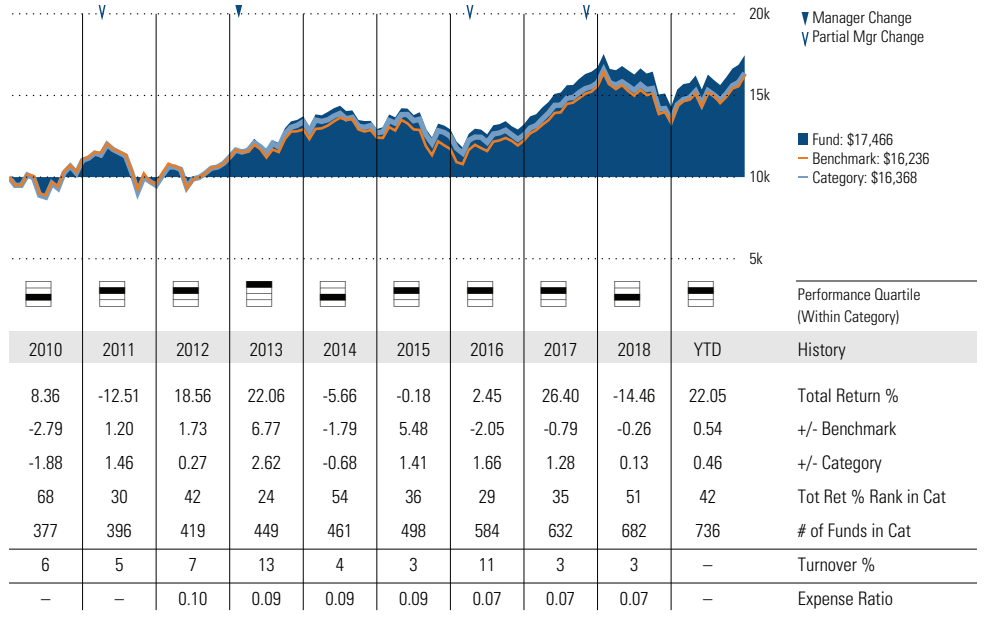
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 92.78% lower than the Foreign Large Blend category average.

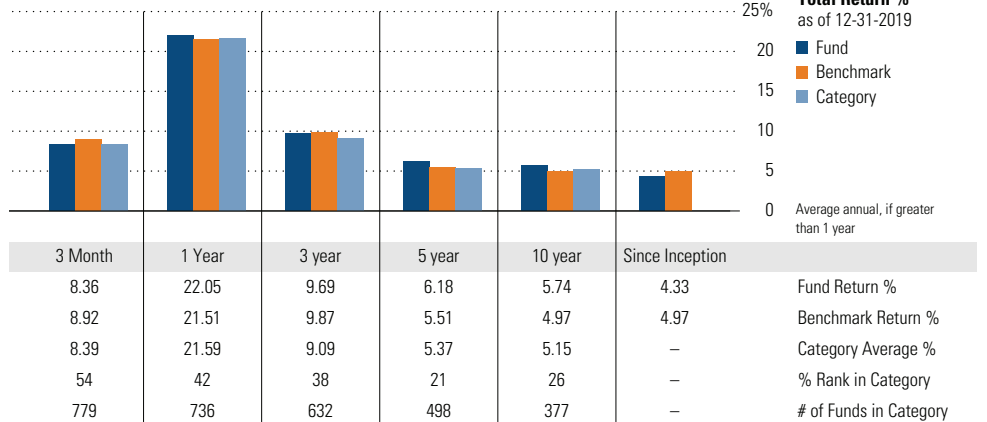
## Morningstar Investment Management LLC Analysis

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.

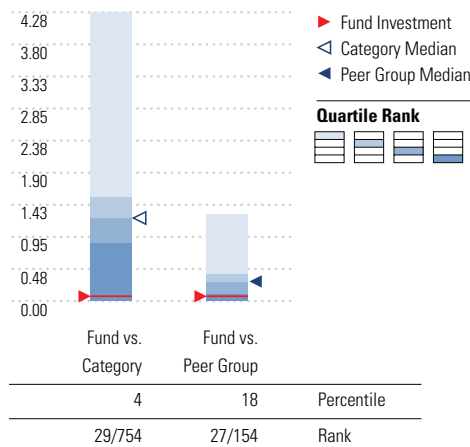
## Growth of \$10,000



## Trailing Performance



## Net Expense



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

## 3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.05	-	-0.53
Beta	0.98	-	0.98
R-Squared	97.39	-	92.90
Standard Deviation	11.40	11.50	11.71
Sharpe Ratio	0.72	0.73	0.66
Tracking Error	1.86	-	3.16
Information Ratio	-0.10	-	-0.26
Up Capture Ratio	97.33	-	95.46
Down Capture Ratio	96.70	-	98.23

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	15.41	15.22	15.82
Price/Book Ratio	1.50	1.58	1.72
Geom Avg Mkt Cap \$B	30.79	30.69	38.15
ROE	15.01	15.65	17.00

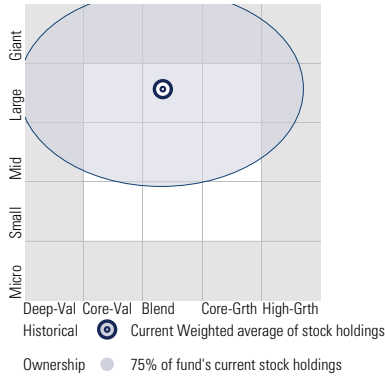
# Vanguard Developed Markets Index Admiral VTMGX

**Morningstar Category**  
Foreign Large Blend

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

## Style Analysis as of 12-31-2019

Morningstar Style Box™

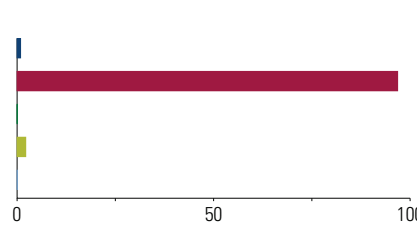


## Style Breakdown

Equity			
Value	Blend	Growth	
28	26	18	Large
7	7	7	Mid
2	2	2	Small



## Asset Allocation as of 12-31-2019

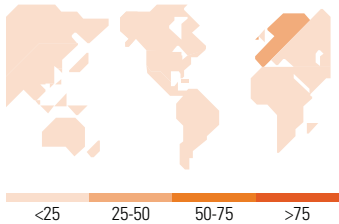


Asset Class	Net %	Cat%
US Stocks	0.88	2.96
Non-US Stocks	96.82	94.52
Bonds	0.05	-0.02
Cash	2.19	1.62
Other	0.06	0.92
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>40.27</b>	<b>42.26</b>	<b>39.25</b>			
Basic Materials	7.66	7.28	6.97			
Consumer Cyclical	10.28	10.42	10.38			
Financial Services	18.47	21.37	19.10			
Real Estate	3.86	3.19	2.80			
<b>Sensitive</b>	<b>36.05</b>	<b>35.81</b>	<b>36.25</b>			
Communication Services	5.60	7.53	7.17			
Energy	5.98	6.74	5.39			
Industrials	15.52	11.96	14.96			
Technology	8.95	9.58	8.73			
<b>Defensive</b>	<b>23.69</b>	<b>21.94</b>	<b>24.49</b>			
Consumer Defensive	9.81	9.50	10.52			
Healthcare	10.51	9.15	11.04			
Utilities	3.37	3.29	2.93			

## World Regions % Equity 12-31-2019



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	36.45	36.64	Americas	9.63	7.78	Greater Europe	53.91	55.59	Developed Markets	98.88
Japan	21.89	20.10	North America	9.60	6.76	United Kingdom	14.19	14.73	Emerging Markets	1.12
Australasia	6.15	4.96	Central/Latin	0.03	1.02	W euro-ex UK	38.59	39.69	Not Available	0.00
Asia-4 Tigers	7.98	6.42				Emrgng Europe	0.63	0.44		
Asia-ex 4 Tigers	0.43	5.16				Africa	0.50	0.73		
Not Classified	0.00	0.00								

## Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Vanguard Market Liquidity Inv	2.19	2.19	-	-
⊕ Nestle SA	1.56	3.75	34.37	Consumer Defensive
⊕ Roche Holding AG Dividend Right Cert.	1.12	4.87	32.58	Healthcare
⊕ Samsung Electronics Co Ltd	1.05	5.92	-	Technology
⊖ Novartis AG	0.99	6.91	24.65	Healthcare
⊖ Toyota Motor Corp	0.86	7.77	23.85	Consumer Cyclical
⊕ HSBC Holdings PLC	0.79	8.56	-2.38	Financial Services
⊕ Total SA	0.67	9.23	10.74	Energy
⊕ AstraZeneca PLC	0.65	9.88	33.25	Healthcare
⊕ SAP SE	0.65	10.53	40.14	Technology

**Total Holdings 3919**

⊕ 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

## 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 8.37 years.

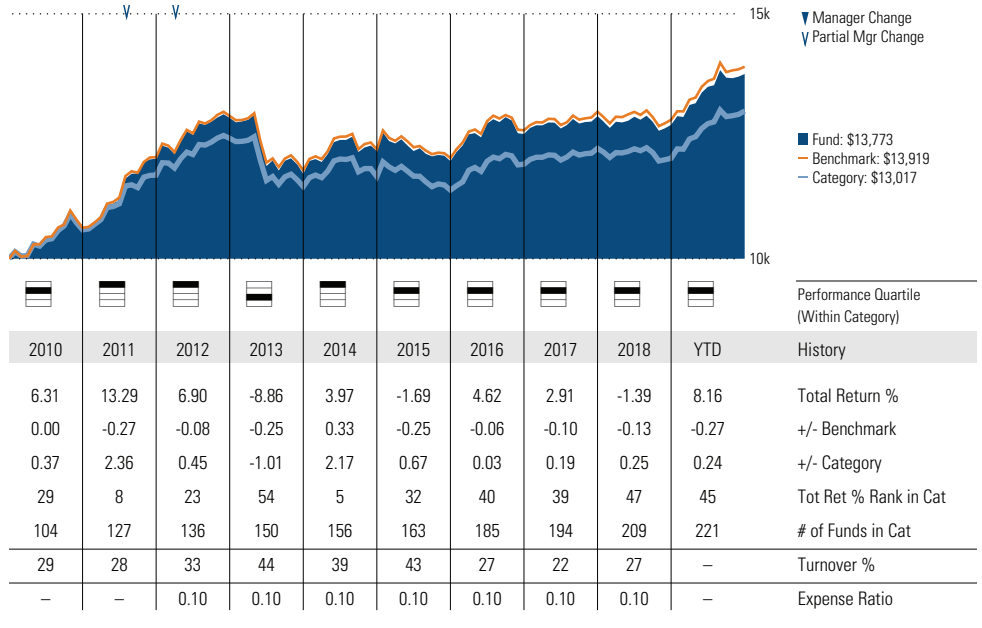
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 85.71% lower than the Inflation-Protected Bond category average.

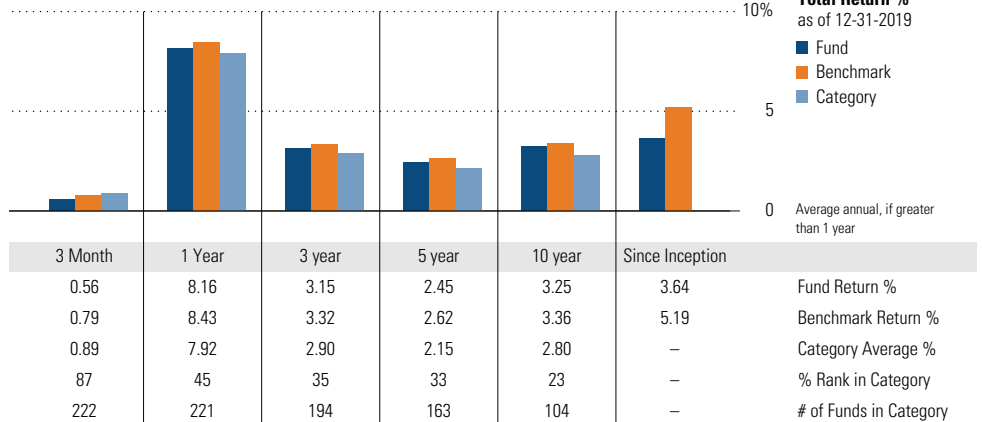
## Morningstar Investment Management LLC Analysis

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

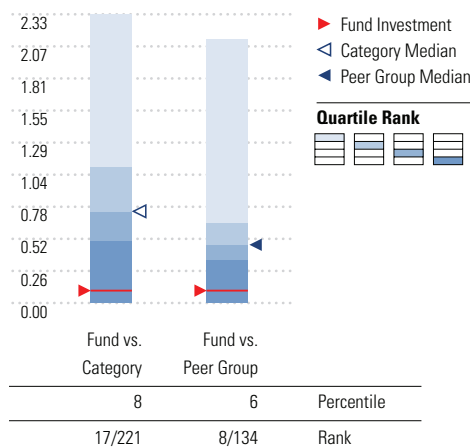
## Growth of \$10,000



## 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	-0.08	-	0.11
Beta	0.98	-	0.77
R-Squared	98.48	-	80.07
Standard Deviation	2.95	3.00	2.67
Sharpe Ratio	0.49	0.54	0.34
Tracking Error	0.37	-	1.39
Information Ratio	-0.43	-	-0.70
Up Capture Ratio	96.60	-	78.88
Down Capture Ratio	98.32	-	77.28

## Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	7.38	4.52	8.03
Avg Eff Maturity	8.30	-	8.71

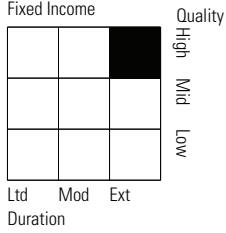
# Vanguard Inflation-Protected Secs Adm VAIPX

**Morningstar Category**  
Inflation-Protected Bond

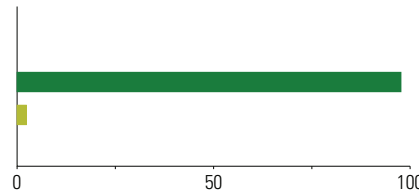
**Morningstar Index**  
BBgBarc US Treasury US TIPS TR USD

**Style Analysis** as of 12-31-2019

**Style Breakdown**



**Asset Allocation** as of 12-31-2019

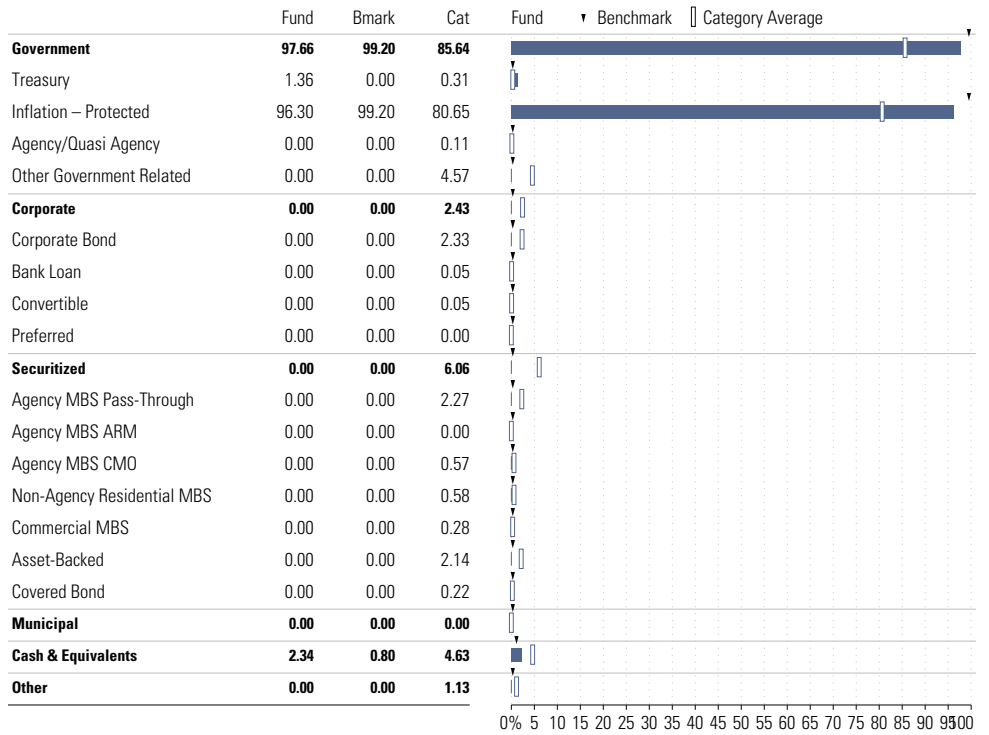


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.01
Bonds	97.66	98.81
Cash	2.34	0.90
Other	0.00	0.28
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

**Credit Rating Breakdown**

	Fund	Bmark	Cat
AAA	100.00	0.00	88.04
AA	0.00	99.60	3.84
A	0.00	0.00	2.34
BBB	0.00	0.00	3.51
BB	0.00	0.00	0.61
B	0.00	0.00	0.19
Below B	0.00	0.00	0.15
Not Rated	0.00	0.40	1.32

**Sector Weighting** as of 12-31-2019



**Top 10 Holdings** as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes 0.62%	04-2023	3.62	3.62	–
United States Treasury Notes 0.12%	04-2022	3.56	7.18	–
United States Treasury Notes 0.38%	07-2023	3.53	10.71	–
United States Treasury Notes 0.25%	01-2025	3.52	14.23	–
United States Treasury Notes 0.62%	01-2024	3.52	17.75	–
United States Treasury Notes 0.12%	01-2023	3.49	21.24	–
United States Treasury Notes 0.12%	07-2024	3.44	24.67	–
United States Treasury Notes 0.12%	01-2022	3.37	28.04	–
United States Treasury Notes 0.38%	07-2025	3.33	31.38	–
United States Treasury Notes 0.12%	07-2022	3.19	34.57	–

**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  
Michael Johnson since 04-2016

## 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 21.63 years.

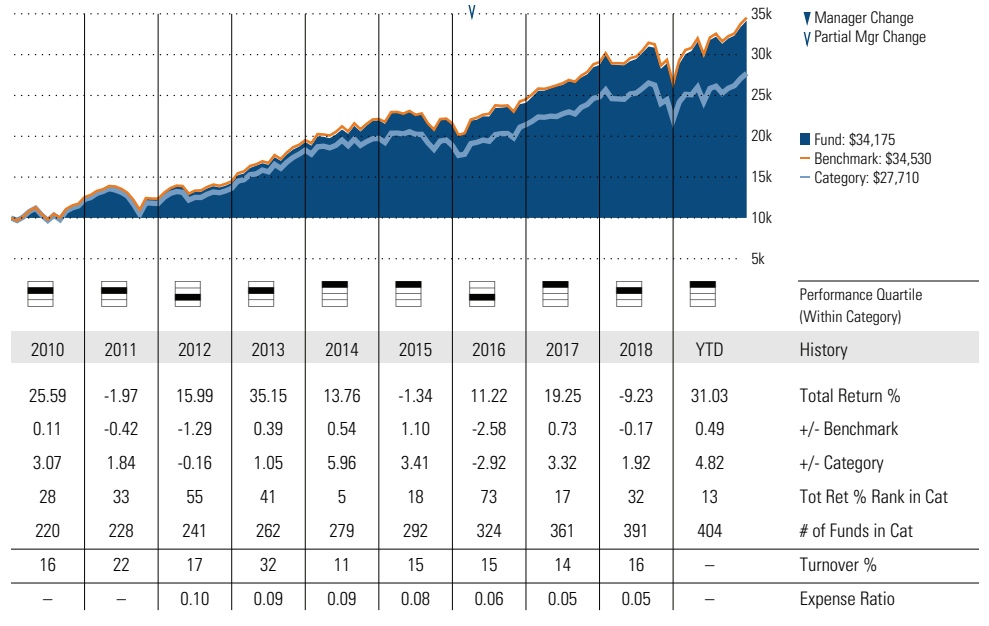
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 94.29 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.05 is 95% lower than the Mid-Cap Blend category average.

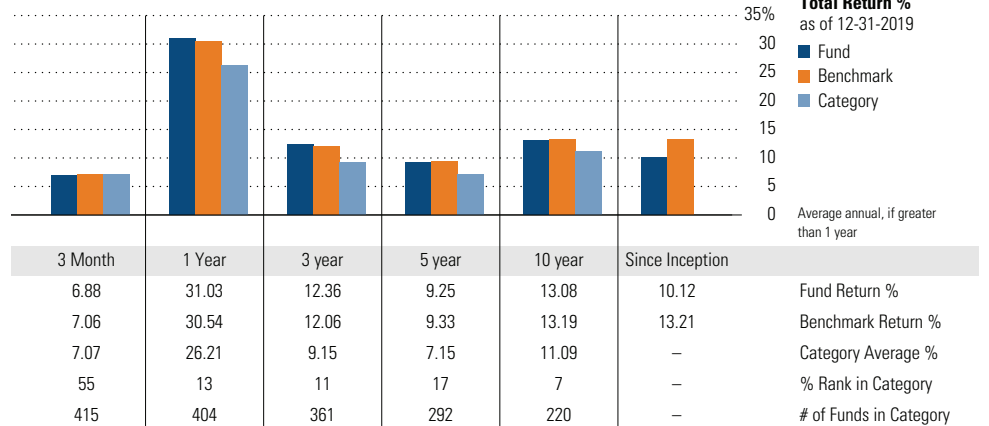
## Morningstar Investment Management LLC Analysis

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

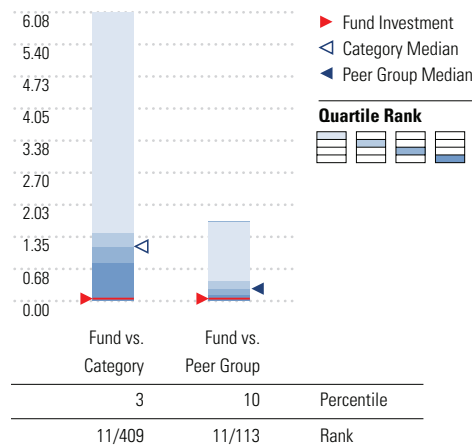
## Growth of \$10,000



## 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	0.37	-	-3.00
Beta	0.99	-	1.03
R-Squared	99.45	-	92.24
Standard Deviation	13.00	13.08	13.97
Sharpe Ratio	0.83	0.81	0.57
Tracking Error	0.97	-	3.93
Information Ratio	0.31	-	-0.89
Up Capture Ratio	100.00	-	92.54
Down Capture Ratio	97.70	-	109.49

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	21.74	21.36	19.51
Price/Book Ratio	2.64	2.65	2.36
Geom Avg Mkt Cap \$B	10.75	10.69	8.27
ROE	16.95	16.39	15.17

# Vanguard Mid Cap Index Admiral VIMAX

Morningstar Category

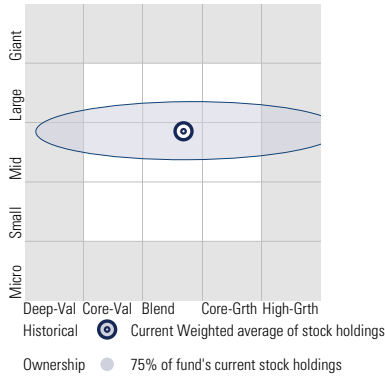
Mid-Cap Blend

Morningstar Index

Russell Mid Cap TR USD

## Style Analysis as of 12-31-2019

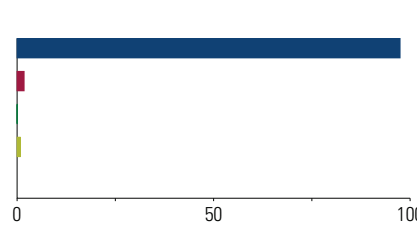
Morningstar Style Box™



## Style Breakdown

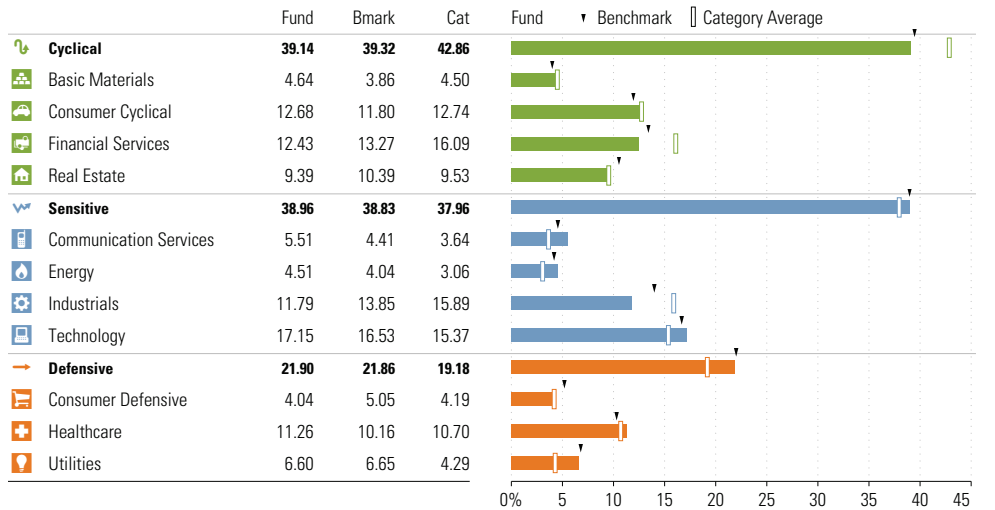


## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	97.44	95.22
Non-US Stocks	1.78	2.15
Bonds	0.01	0.12
Cash	0.77	2.11
Other	0.00	0.40
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019



## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Newmont Corp	0.80	0.80	29.55	Basic Materials
⊖ Amphenol Corp Class A	0.72	1.52	34.77	Technology
⊕ ONEOK Inc	0.70	2.22	46.80	Energy
⊕ WEC Energy Group Inc	0.65	2.87	36.57	Utilities
⊕ IHS Markit Ltd	0.64	3.52	57.08	Industrials
⊕ TransDigm Group Inc	0.64	4.16	83.06	Industrials
⊖ KLA Corp	0.63	4.79	102.56	Technology
⊕ Motorola Solutions Inc	0.62	5.41	42.12	Technology
⊕ Eversource Energy	0.62	6.02	34.09	Utilities
⊖ SBA Communications Corp	0.61	6.63	49.32	Real Estate
⊕ Lululemon Athletica Inc	0.61	7.24	90.50	Consumer Cyclical
⊕ FirstEnergy Corp	0.59	7.83	33.48	Utilities
⊖ Willis Towers Watson PLC	0.58	8.41	34.69	Financial Services
⊖ Advanced Micro Devices Inc	0.57	8.99	148.43	Technology
⊖ IQVIA Holdings Inc	0.57	9.56	33.00	Healthcare

**Total Holdings 358**

⊕ 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 23.65 years.

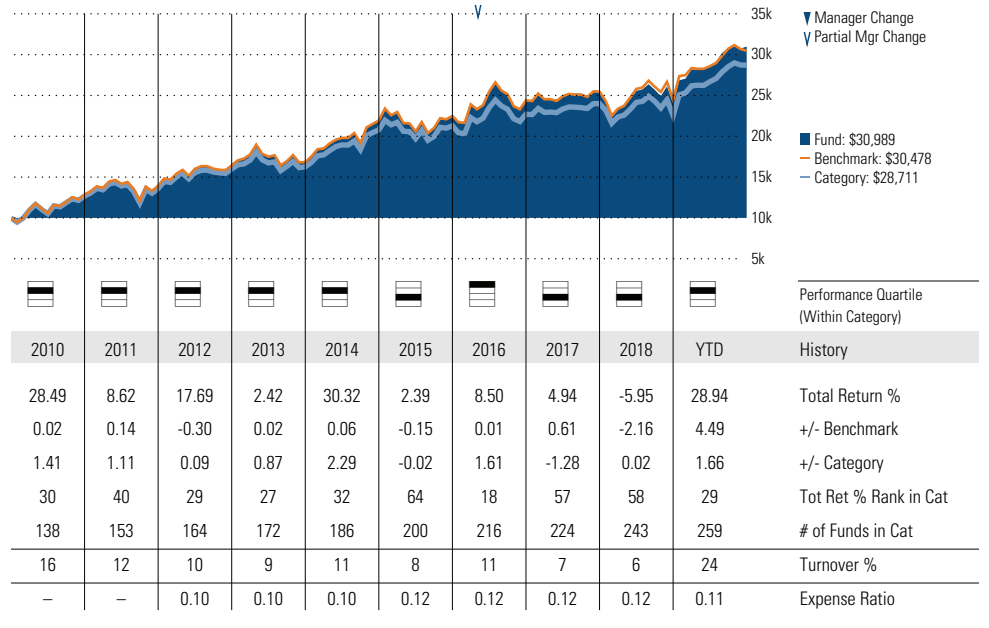
✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.11 is 90.35% lower than the Real Estate category average.

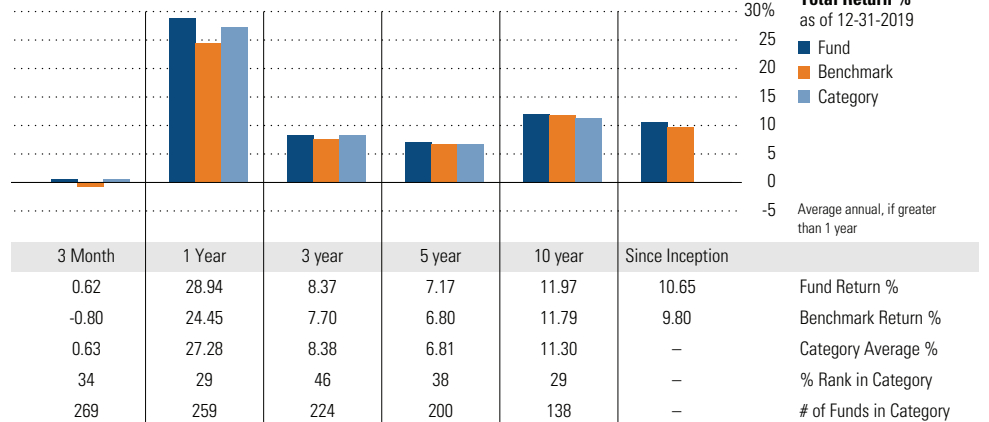
## Morningstar Investment Management LLC Analysis

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

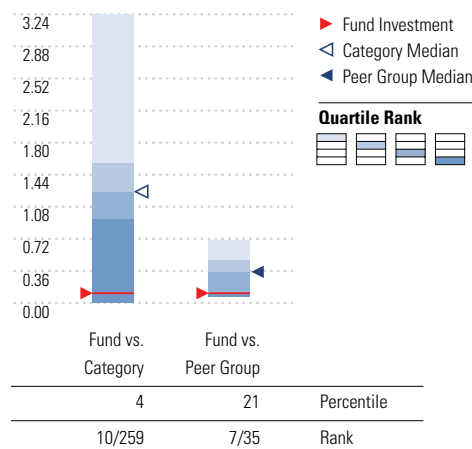
## Growth of \$10,000



## 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	0.80	-	1.34
Beta	0.98	-	0.90
R-Squared	98.26	-	91.49
Standard Deviation	12.06	12.25	11.65
Sharpe Ratio	0.59	0.53	0.62
Tracking Error	1.62	-	3.36
Information Ratio	0.41	-	0.12
Up Capture Ratio	98.02	-	91.59
Down Capture Ratio	91.44	-	81.03

## Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	40.39	38.46	36.08
Price/Book Ratio	2.39	2.42	2.60
Geom Avg Mkt Cap \$B	9.32	9.35	11.72
ROE	8.61	9.56	11.65

# Vanguard Real Estate Index Admiral VGSLX

**Morningstar Category**  
Real Estate

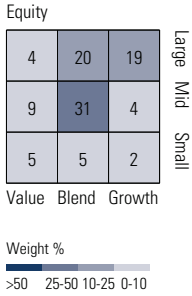
**Morningstar Index**  
S&P United States REIT TR USD

## Style Analysis as of 12-31-2019

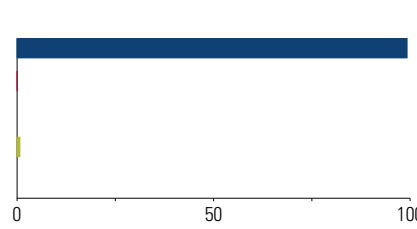
Morningstar Style Box™



## Style Breakdown



## Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	99.23	90.28
Non-US Stocks	0.06	0.72
Bonds	0.00	3.30
Cash	0.71	2.25
Other	0.00	3.47
<b>Total</b>	<b>100.00</b>	<b>100.00</b>

## Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
<b>Cyclical</b>	<b>99.97</b>	<b>99.13</b>	<b>99.27</b>			
Basic Materials	0.00	0.00	0.02			
Consumer Cyclical	0.00	0.13	0.63			
Financial Services	0.01	0.00	0.12			
Real Estate	99.96	99.00	98.50			
<b>Sensitive</b>	<b>0.03</b>	<b>0.87</b>	<b>0.64</b>			
Communication Services	0.00	0.00	0.02			
Energy	0.00	0.00	0.02			
Industrials	0.03	0.87	0.08			
Technology	0.00	0.00	0.52			
<b>Defensive</b>	<b>0.00</b>	<b>0.00</b>	<b>0.08</b>			
Consumer Defensive	0.00	0.00	0.00			
Healthcare	0.00	0.00	0.04			
Utilities	0.00	0.00	0.04			

## Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Vanguard Real Estate II Index	11.03	11.03	-	-
⊖ American Tower Corp	7.07	18.11	47.67	Real Estate
⊖ Crown Castle International Corp	4.11	22.22	35.07	Real Estate
⊖ Prologis Inc	3.91	26.13	55.42	Real Estate
⊖ Equinix Inc	3.44	29.57	68.35	Real Estate
⊖ Simon Property Group Inc	3.19	32.76	-6.39	Real Estate
⊖ Public Storage	2.33	35.09	9.16	Real Estate
⊖ Welltower Inc	2.30	37.39	22.84	Real Estate
⊖ Equity Residential	2.09	39.48	26.03	Real Estate
⊖ AvalonBay Communities Inc	2.04	41.51	23.98	Real Estate
⊖ SBA Communications Corp	1.90	43.41	49.32	Real Estate
⊖ Digital Realty Trust Inc	1.69	45.10	16.43	Real Estate
⊖ Realty Income Corp	1.63	46.73	21.11	Real Estate
⊖ Weyerhaeuser Co	1.56	48.29	44.37	Real Estate
⊖ Ventas Inc	1.50	49.79	3.96	Real Estate

**Total Holdings 187**

⊕ Increase ⊖ Decrease ✱ New to Portfolio