

American Funds Capital World Gr&Inc R6 RWIGX

Morningstar Category
World Large Stock

Morningstar Index
MSCI ACWI Ex USA NR USD

Portfolio Manager(s)

Sung Lee since 02-2006
David Riley since 02-2007
L. Barroso since 02-2007
Joyce Gordon since 02-2008
Alex Sheynkman since 02-2014
Michael Cohen since 11-2014
Jin Lee since 02-2019
Leo Hee since 10-2019
Jeremy Burge since 01-2020

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 13.92 years.

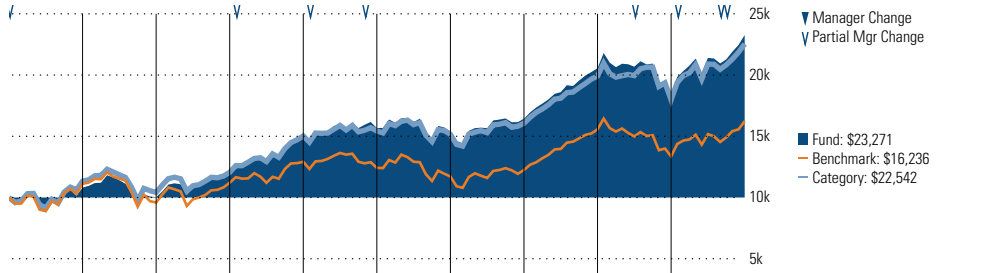
✔ **Style:** The fund has landed in its primary style box — Large Blend — 81.82 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.44 is 60.36% lower than the World Large Stock category average.

Morningstar Investment Management LLC Analysis

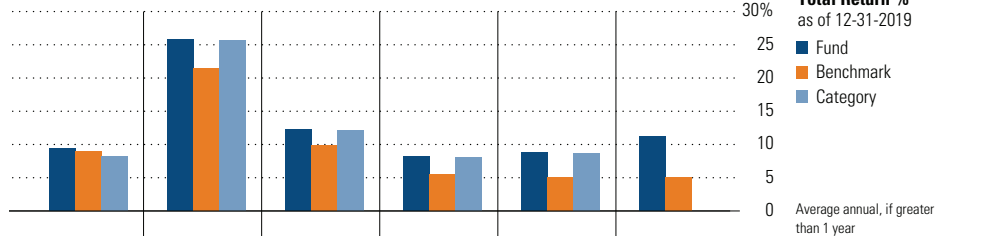
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000



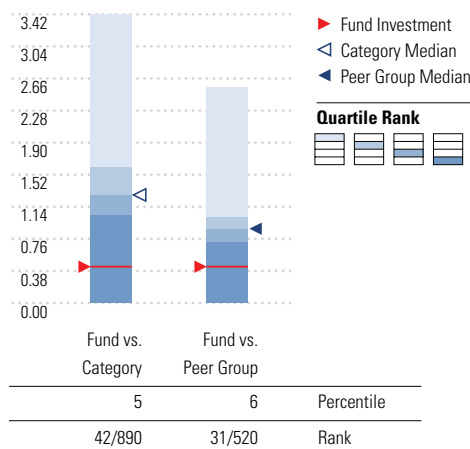
	2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
8.10	-7.23	19.56	25.28	4.36	-1.88	6.85	25.08	-9.97	25.74	Total Return %	
-3.05	6.48	2.73	9.99	8.23	3.78	2.35	-2.11	4.23	4.23	+/- Benchmark	
-5.64	0.70	3.72	0.09	1.57	-0.19	1.31	1.47	-0.33	0.06	+/- Category	
84	42	23	51	30	55	34	33	56	51	Tot Ret % Rank in Cat	
370	392	425	499	560	610	666	728	815	876	# of Funds in Cat	
25	27	23	24	36	35	35	35	49	23	Turnover %	
-	-	0.45	0.45	0.44	0.45	0.45	0.45	0.45	0.44	0.43	Expense Ratio

Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
9.35	25.74	12.29	8.22	8.81	11.28	Fund Return %	
8.92	21.51	9.87	5.51	4.97	4.97	Benchmark Return %	
8.18	25.68	12.09	8.10	8.59	-	Category Average %	
27	51	43	44	51	-	% Rank in Category	
904	876	728	610	370	-	# 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	2.97	-	3.04
Beta	0.92	-	0.92
R-Squared	94.39	-	80.51
Standard Deviation	10.87	11.50	11.80
Sharpe Ratio	0.96	0.73	0.90
Tracking Error	2.74	-	5.47
Information Ratio	0.88	-	0.43
Up Capture Ratio	100.04	-	98.21
Down Capture Ratio	82.11	-	79.09

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.14	15.22	17.26
Price/Book Ratio	2.42	1.58	2.15
Geom Avg Mkt Cap \$B	55.41	30.69	39.85
ROE	23.66	15.65	18.92

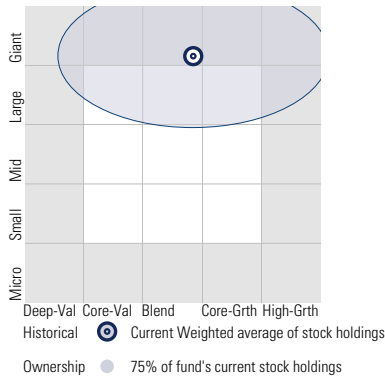
American Funds Capital World Gr&Inc R6 RWIGX

Morningstar Category
World Large Stock

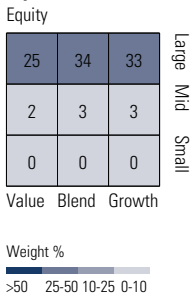
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 12-31-2019

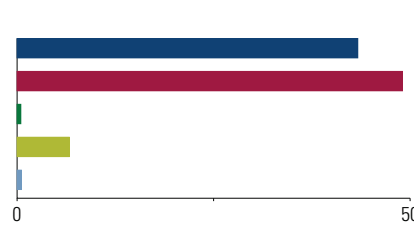
Morningstar Style Box™



Style Breakdown

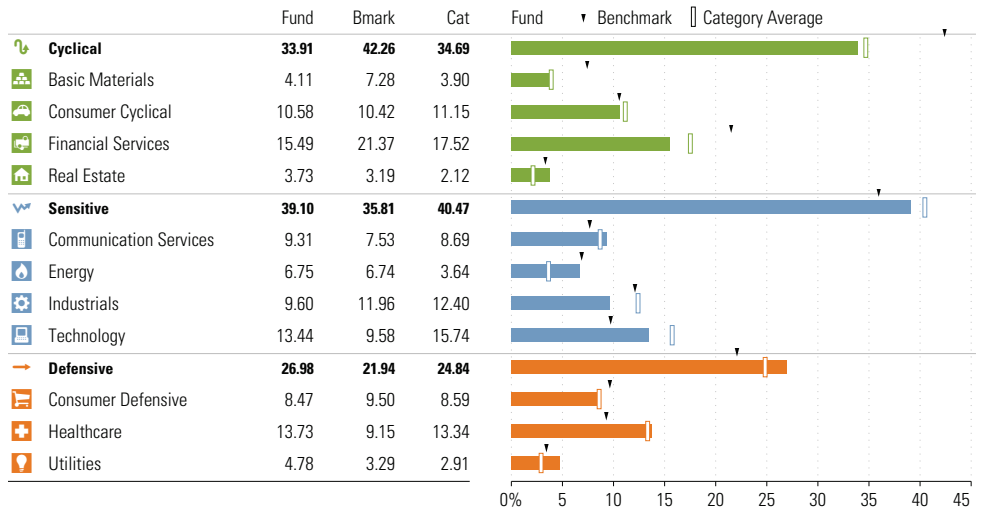


Asset Allocation as of 12-31-2019

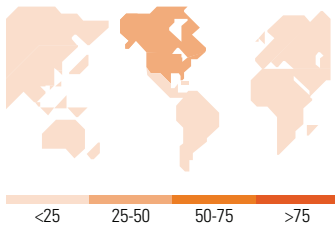


Asset Class	Net %	Cat%
US Stocks	43.34	53.93
Non-US Stocks	49.03	42.56
Bonds	0.47	0.12
Cash	6.63	2.34
Other	0.54	1.05
Total	100.00	100.00

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	18.09	15.75	Americas	51.95	59.05	Greater Europe	29.97	25.20	Developed Markets	88.59
Japan	4.79	6.05	North America	49.42	58.07	United Kingdom	9.40	6.63	Emerging Markets	11.41
Australasia	0.60	1.06	Central/Latin	2.53	0.98	W euro-ex UK	18.39	17.91	Not Available	0.00
Asia-4 Tigers	5.89	3.63				Emrgng Europe	1.72	0.28		
Asia-ex 4 Tigers	6.81	5.01				Africa	0.46	0.38		
Not Classified	0.00	0.00								

Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	6.48	6.48	—	—
⊖ Broadcom Inc	2.54	9.02	28.68	Technology
⊕ Microsoft Corp	2.41	11.43	57.12	Technology
⊕ Taiwan Semiconductor Manufacturing Co Ltd	1.70	13.13	52.33	Technology
⊖ UnitedHealth Group Inc	1.67	14.80	19.67	Healthcare
⊕ Facebook Inc A	1.64	16.45	56.57	Communication Svc
⊕ Airbus SE	1.52	17.96	57.37	Industrials
⊕ Netflix Inc	1.44	19.40	20.89	Communication Svc
⊕ Nestle SA	1.34	20.75	34.37	Consumer Defensive
⊖ Novartis AG	1.28	22.03	24.65	Healthcare

Total Holdings 338

⊕ Increase ⊖ Decrease ✱ New to Portfolio

American Funds Europacific Growth R6 RERGX

Morningstar Category
Foreign Large Growth

Morningstar Index
MSCI EAFE NR USD

Portfolio Manager(s)

- Carl Kawaja since 06-2001
- Nicholas Grace since 06-2002
- Sung Lee since 06-2002
- Jesper Lyckeus since 06-2004
- Jonathan Knowles since 06-2006
- Andrew Suzman since 06-2007
- Christopher Thomsen since 06-2008
- Lawrence Kymisis since 06-2014
- Lara Pellini since 10-2014
- Gerald Manoir since 01-2020
- Noriko Chen since 01-2020

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 18.59 years.

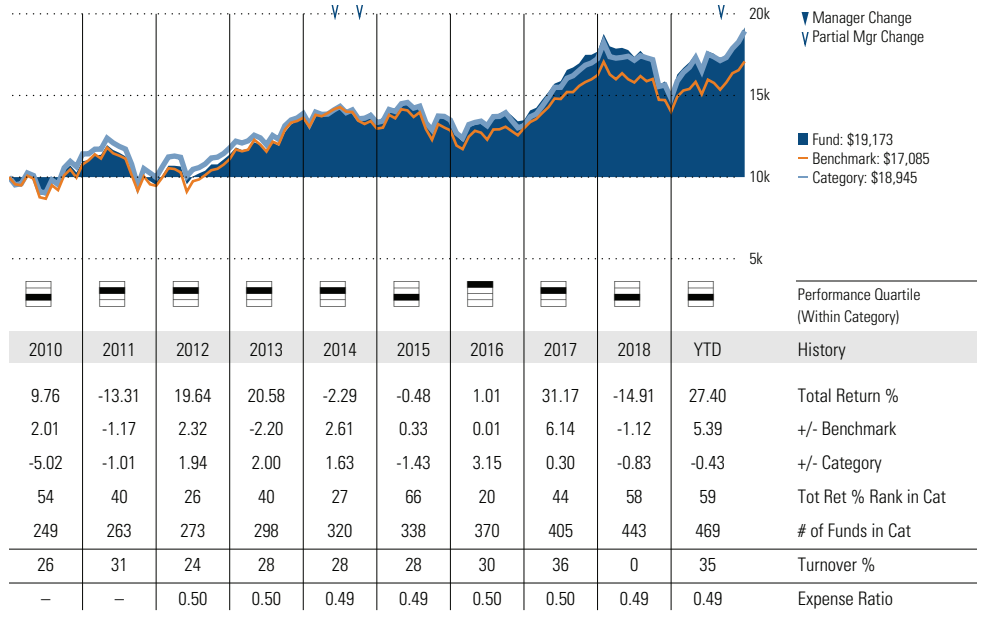
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.49 is 55.86% lower than the Foreign Large Growth category average.

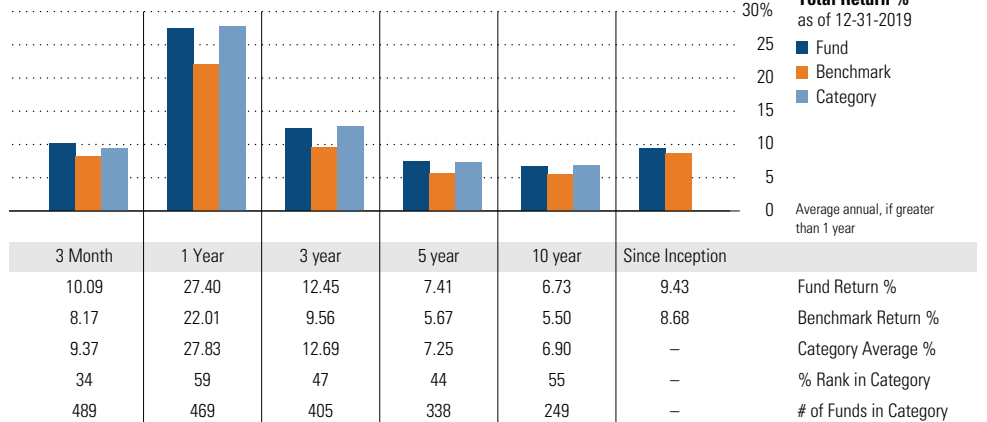
Morningstar Investment Management LLC Analysis

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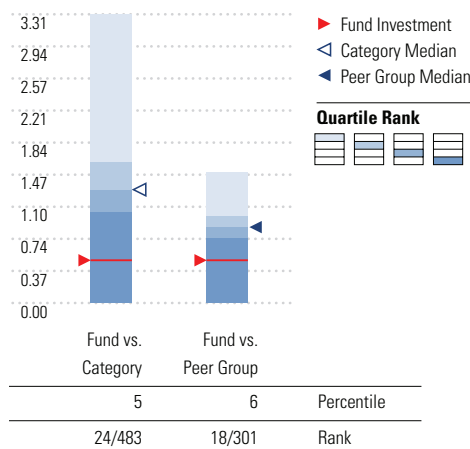
Growth of \$10,000



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	2.05	-	2.84
Beta	1.07	-	1.03
R-Squared	92.31	-	-
Standard Deviation	12.25	10.96	12.25
Sharpe Ratio	0.88	0.73	0.89
Tracking Error	3.49	-	4.87
Information Ratio	0.83	-	0.66
Up Capture Ratio	107.42	-	105.20
Down Capture Ratio	90.51	-	83.81

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.75	16.19	17.86
Price/Book Ratio	1.88	1.58	2.37
Geom Avg Mkt Cap \$B	39.57	35.93	31.37
ROE	19.74	15.50	19.30

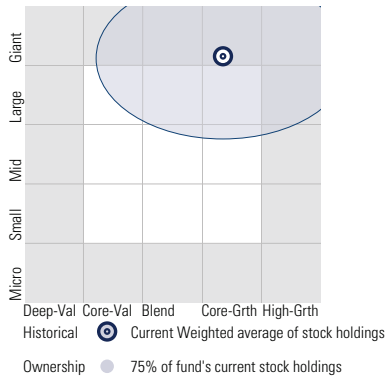
American Funds Europacific Growth R6 RERGX

Morningstar Category
Foreign Large Growth

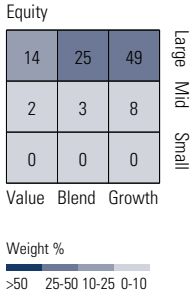
Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 12-31-2019

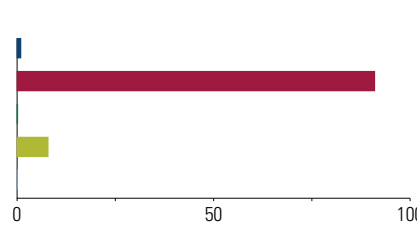
Morningstar Style Box™



Style Breakdown

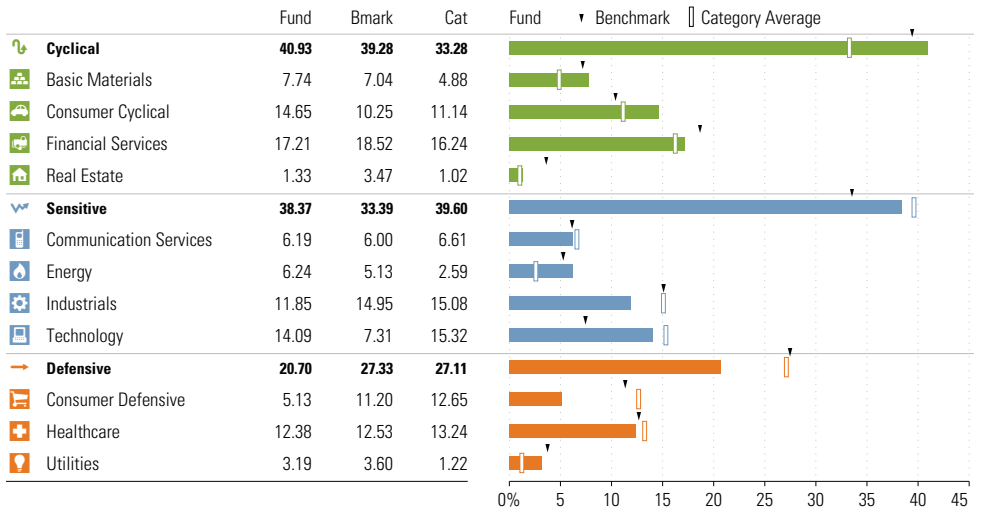


Asset Allocation as of 12-31-2019

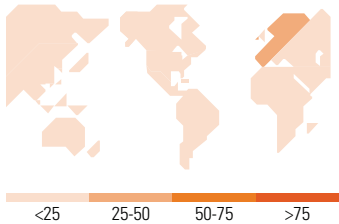


Asset Class	Net %	Cat%
US Stocks	9.93	8.42
Non-US Stocks	90.97	88.07
Bonds	0.13	0.04
Cash	7.87	3.11
Other	0.10	0.35
Total	100.00	100.00

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	47.62	31.55	Americas	11.55	15.11	Greater Europe	40.81	53.32	Developed Markets	71.76
Japan	15.83	13.98	North America	4.96	13.03	United Kingdom	9.53	11.74	Emerging Markets	28.24
Australasia	1.16	2.07	Central/Latin	6.59	2.08	W euro-ex UK	29.57	40.44	Not Available	0.00
Asia-4 Tigers	10.10	6.36				Emrgng Europe	0.81	0.45		
Asia-ex 4 Tigers	20.53	9.14				Africa	0.90	0.69		
Not Classified	0.00	0.00								

Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	8.19	8.19	—	—
⊕ Reliance Industries Ltd	2.72	10.91	35.61	Energy
⊖ Airbus SE	2.66	13.57	57.37	Industrials
HDFC Bank Ltd	2.20	15.77	20.86	Financial Services
⊖ AIA Group Ltd	2.19	17.95	27.81	Financial Services
⊖ Nintendo Co Ltd	2.16	20.12	53.25	Communication Svc
⊖ ASML Holding NV	2.16	22.27	94.55	Technology
⊖ Daiichi Sankyo Co Ltd	1.51	23.78	107.86	Healthcare
⊕ Recruit Holdings Co Ltd	1.39	25.17	55.06	Industrials
⊖ Taiwan Semiconductor Manufacturing Co Ltd	1.39	26.56	52.33	Technology

Total Holdings 326

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Baird Core Plus Bond Inst BCOIX

Morningstar Category
Intermediate Core-Plus 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-Plus 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.

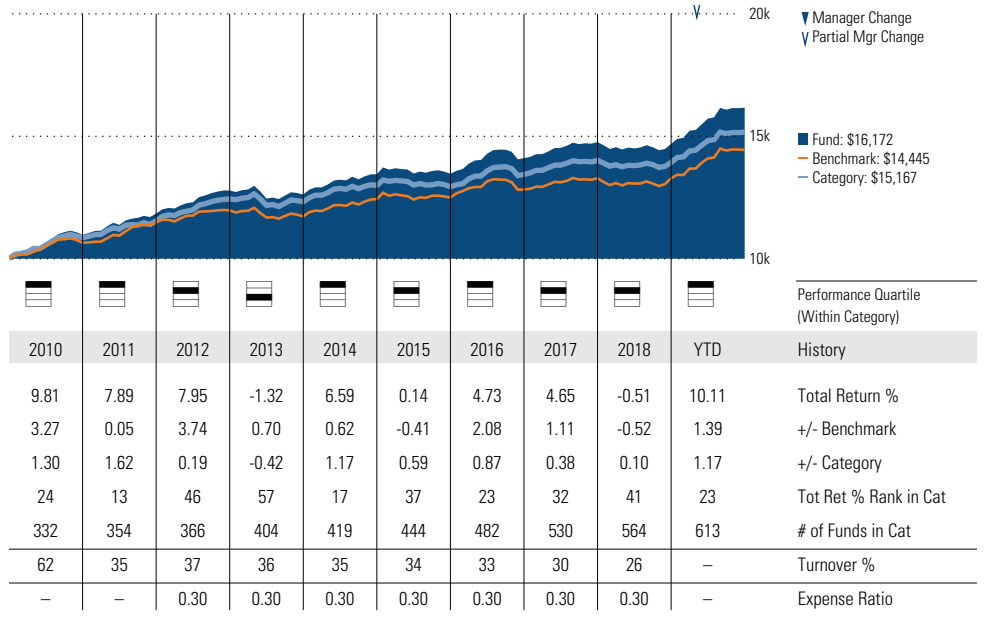
Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.3 is 62.03% lower than the Intermediate Core-Plus Bond category average.

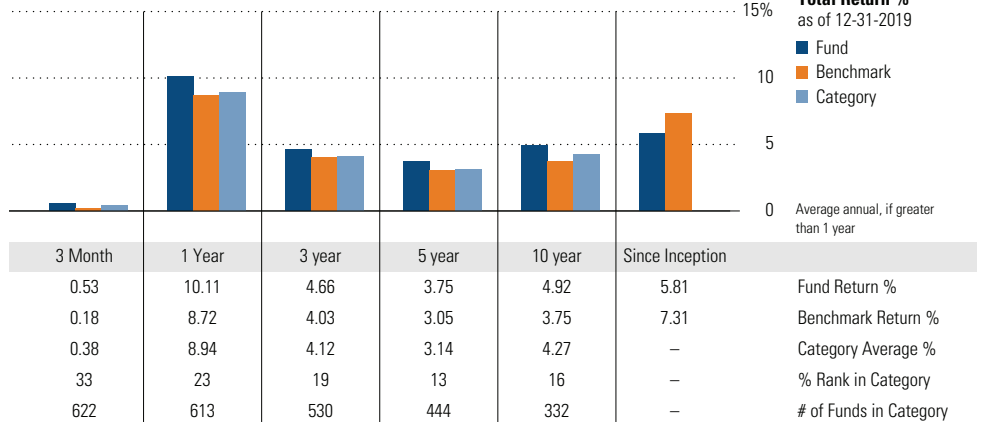
Morningstar Investment Management LLC Analysis

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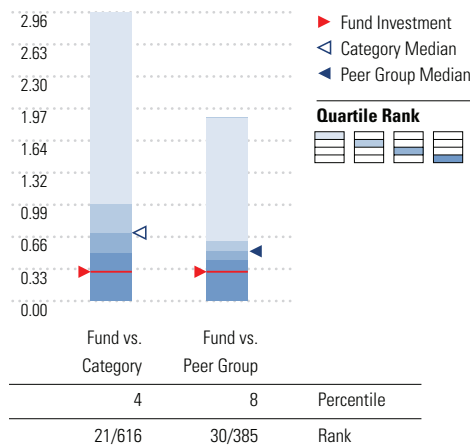
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.91	-	0.78
Beta	0.92	-	0.82
R-Squared	95.98	-	84.01
Standard Deviation	2.74	2.91	2.61
Sharpe Ratio	1.07	0.80	0.92
Tracking Error	0.59	-	1.11
Information Ratio	1.06	-	0.03
Up Capture Ratio	103.47	-	92.11
Down Capture Ratio	79.67	-	72.87

Portfolio Metrics

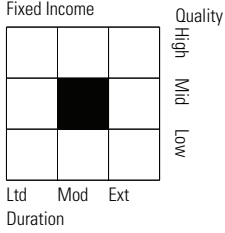
	Fund	Bmark	Cat
Avg Eff Duration	5.68	4.43	-
Avg Eff Maturity	7.56	-	-

Baird Core Plus Bond Inst BCOIX

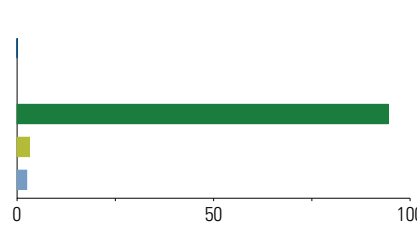
Morningstar Category Intermediate Core-Plus Bond
Morningstar Index BBgBarc US Agg Bond TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019

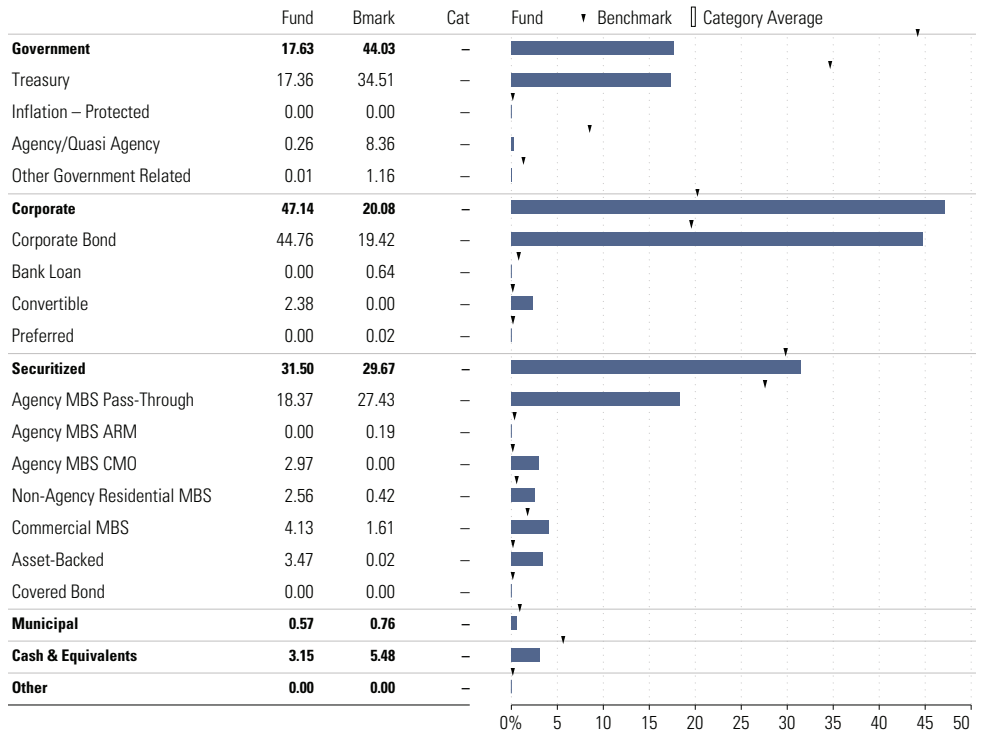


Asset Class	Net %	Cat%
US Stocks	0.01	—
Non-US Stocks	0.00	—
Bonds	94.41	—
Cash	3.15	—
Other	2.44	—
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	49.40	3.53	—
AA	2.80	74.59	—
A	17.80	10.82	—
BBB	26.80	8.32	—
BB	2.20	0.28	—
B	0.30	0.00	—
Below B	0.40	0.00	—
Not Rated	0.30	2.46	—

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	3.24	3.24	—
⊕ United States Treasury Bonds 2.5%	02-2045	3.10	6.34	—
⊖ United States Treasury Bonds 2.88%	05-2043	2.82	9.16	—
⊖ First American Government Obligs U	02-2030	2.67	11.83	—
⊕ United States Treasury Notes 1.75%	03-2022	2.00	13.83	—
United States Treasury Bonds 3.5%	02-2039	1.68	15.52	—
United States Treasury Notes 2.25%	11-2027	1.34	16.86	—
⊕ United States Treasury Notes 1.63%	08-2022	1.28	18.14	—
⊖ United States Treasury Notes 2%	11-2026	0.86	19.00	—
⊕ United States Treasury Notes 3.13%	11-2028	0.84	19.84	—

Total Holdings 1380

⊕ Increase ⊖ Decrease ✱ New to Portfolio

BlackRock High Yield Bond K BRHYX

Morningstar Category
High Yield Bond

Morningstar Index
ICE BofAML US High Yield TR USD

Portfolio Manager(s)

James Keenan since 12-2007
Derek Schoenhofen since 05-2009
Mitchell Garfin since 05-2009
David Delbos since 03-2014

Quantitative Screens

✔ **Performance:** The fund has finished in the High Yield 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 12.01 years.

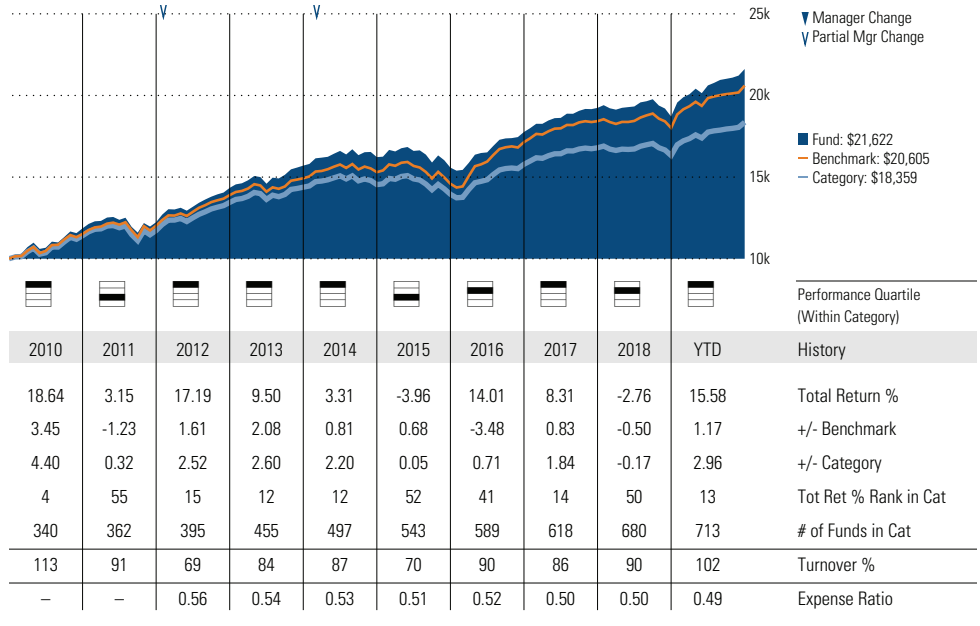
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.49 is 50.51% lower than the High Yield Bond category average.

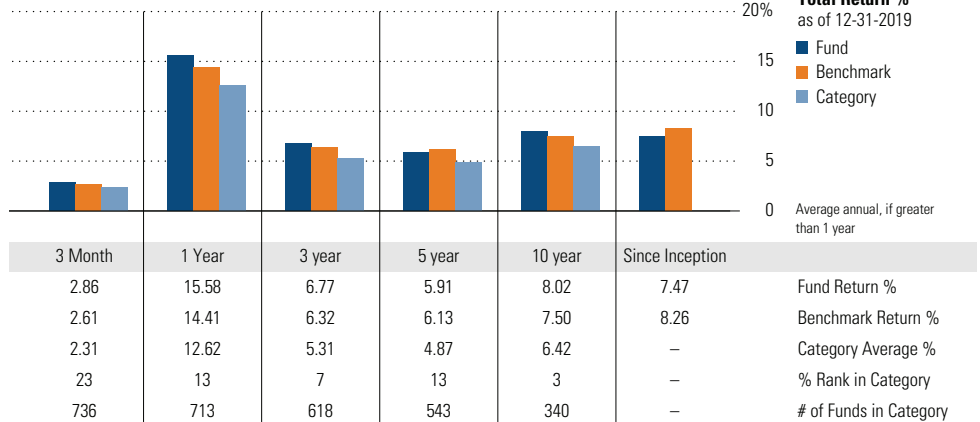
Morningstar Investment Management LLC Analysis

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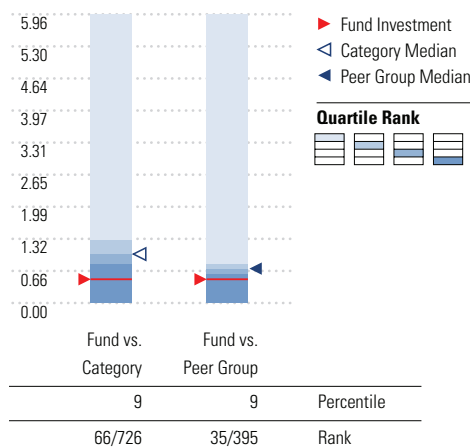
Growth of \$10,000



Trailing Performance



Net Expense



3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.32	-	-0.33
Beta	1.02	-	0.90
R-Squared	97.67	-	90.31
Standard Deviation	4.32	4.19	3.99
Sharpe Ratio	1.14	1.08	0.92
Tracking Error	0.66	-	1.35
Information Ratio	0.68	-	-0.82
Up Capture Ratio	105.05	-	87.77
Down Capture Ratio	100.80	-	94.48

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	3.11	-	2.62
Avg Eff Maturity	6.93	-	4.55

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

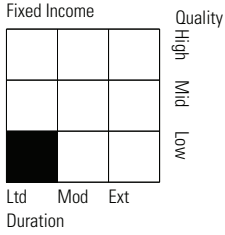
BlackRock High Yield Bond K BRHYX

Morningstar Category
High Yield Bond

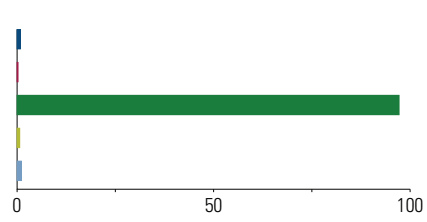
Morningstar Index
ICE BofAML US High Yield TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019

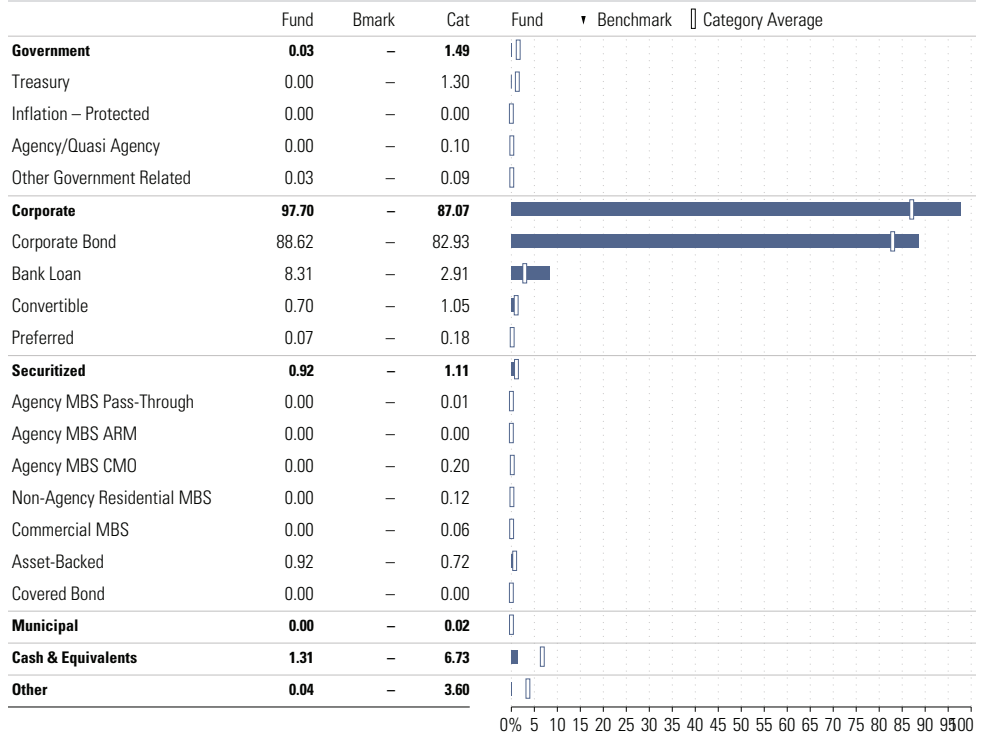


Asset Class	Net %	Cat%
US Stocks	0.83	0.55
Non-US Stocks	0.23	0.04
Bonds	97.19	92.15
Cash	0.66	6.04
Other	1.08	1.22
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	0.03	-	3.30
AA	0.05	-	0.24
A	0.37	-	0.68
BBB	4.20	-	5.41
BB	34.23	-	37.21
B	44.68	-	38.71
Below B	16.19	-	12.59
Not Rated	0.25	-	1.86

Sector Weighting as of 12-31-2019



Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	-	2.18	2.18	-
TransDigm, Inc. 6.25%	03-2026	1.96	4.14	-
⊕ BlackRock Liquidity T-Fund Instl	-	1.03	5.17	-
⊕ Solera, LLC / Solera Finance, Inc. 10.5%	03-2024	0.66	5.83	-
Infor (US), Inc. 6.5%	05-2022	0.65	6.48	-
⊕ FREEPORT-MCMORAN INC 5.45%	03-2043	0.57	7.04	-
Frontier Communications Corporation 8%	04-2027	0.56	7.60	-
ALTICE FRANCE S.A 7.38%	05-2026	0.55	8.15	-
⊕ Crimson Merger Sub Inc / Ortho-Clinical Diagnostics SA 6.62%	05-2022	0.55	8.69	-
Panther BF Aggregator 2 LP / Panther Finance Company Inc 8.5%	05-2027	0.53	9.23	-

Total Holdings 1274

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Columbia Contrarian Core Inst3 COFYX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Portfolio Manager(s)

Guy Pope since 03-2005

Quantitative Screens

Performance: The fund has finished in the Large Blend 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 14.76 years.

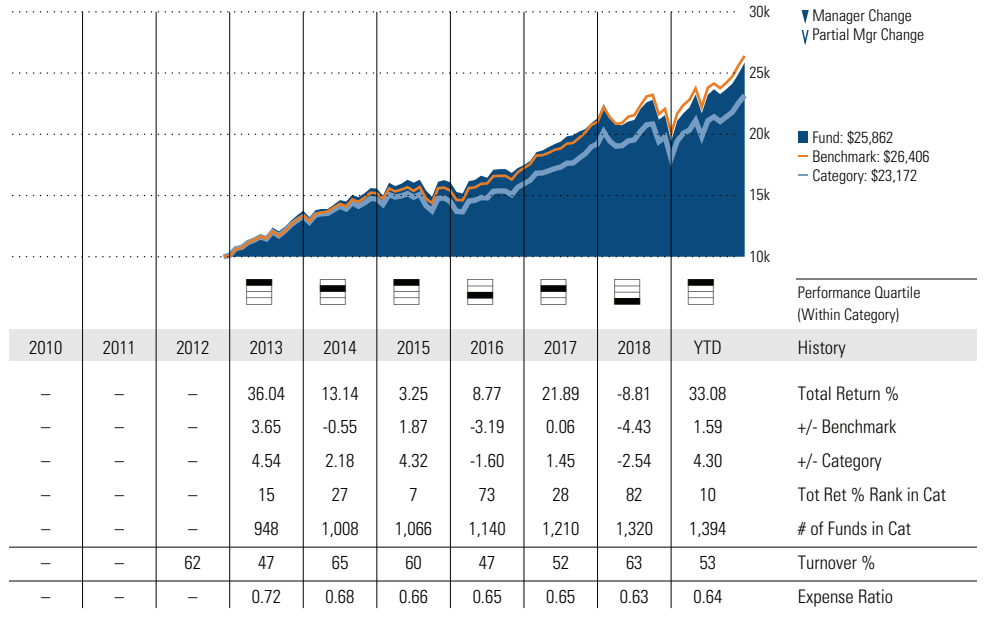
Style: The fund has landed in its primary style box — Large Blend — 82.86 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.64 is 28.09% lower than the Large Blend category average.

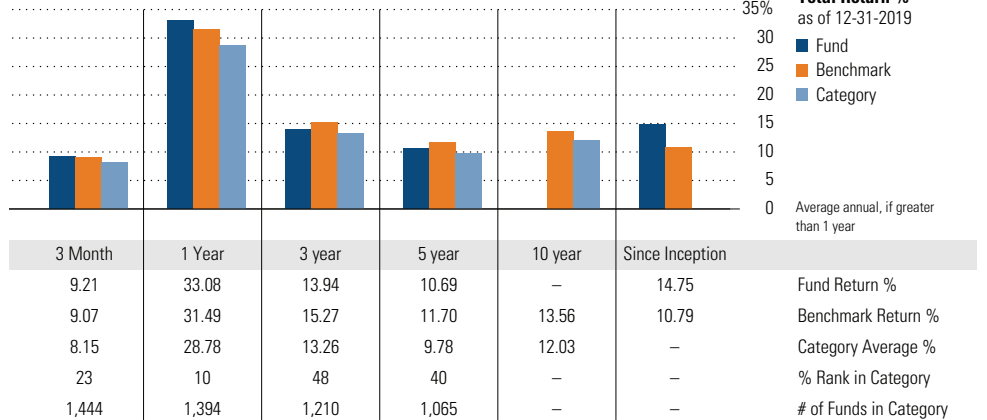
Morningstar Investment Management LLC Analysis

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.

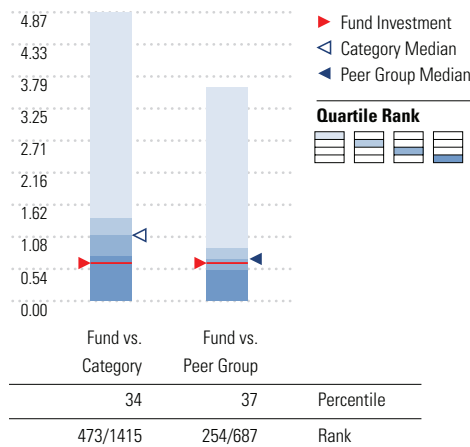
Growth of \$10,000



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	-1.71	-	-1.42
Beta	1.04	-	0.95
R-Squared	98.12	-	94.36
Standard Deviation	12.72	12.10	11.87
Sharpe Ratio	0.96	1.10	0.96
Tracking Error	1.81	-	2.89
Information Ratio	-0.73	-	-1.41
Up Capture Ratio	99.34	-	90.48
Down Capture Ratio	109.41	-	97.68

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.09	18.71	17.87
Price/Book Ratio	2.49	2.74	2.65
Geom Avg Mkt Cap \$B	78.19	73.09	97.84
ROE	18.59	21.80	22.01

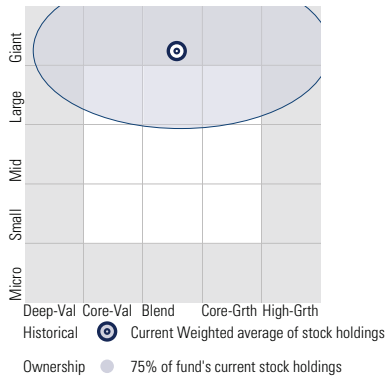
Columbia Contrarian Core Inst3 COFYX

Morningstar Category
Large Blend

Morningstar Index
S&P 500 TR USD

Style Analysis as of 12-31-2019

Morningstar Style Box™

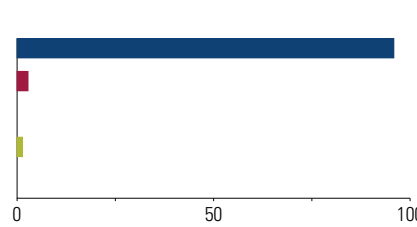


Style Breakdown

Equity			Large	Mid	Small
Value	Blend	Growth			
30	39	27			
2	3	0			
0	0	0			

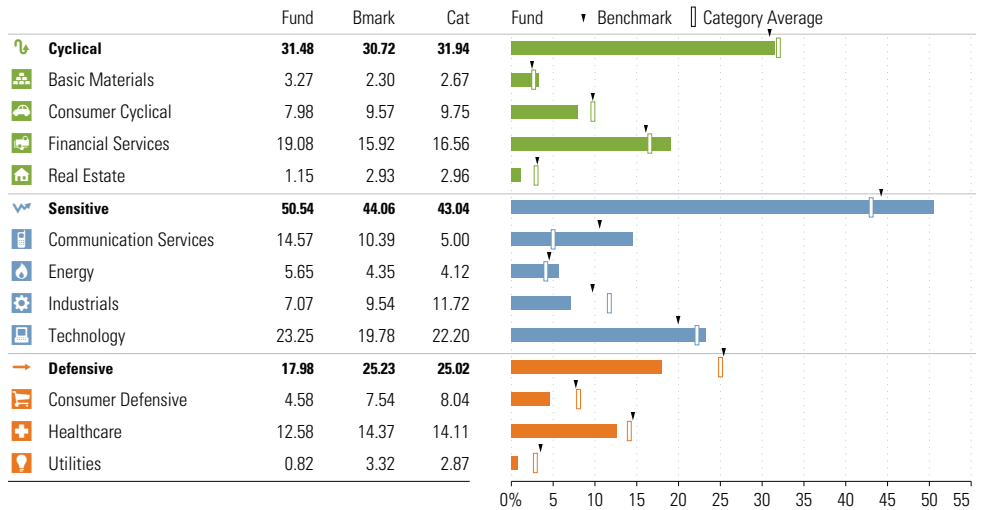


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	95.85	94.41
Non-US Stocks	2.77	3.02
Bonds	0.00	0.33
Cash	1.37	0.74
Other	0.00	1.50
Total	100.00	100.00

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	5.72	5.72	57.12	Technology
Apple Inc	4.99	10.71	88.09	Technology
Berkshire Hathaway Inc B	4.05	14.76	10.93	Financial Services
JPMorgan Chase & Co	3.31	18.07	46.18	Financial Services
Citigroup Inc	2.99	21.06	57.15	Financial Services
Amazon.com Inc	2.97	24.03	23.03	Consumer Cyclical
Medtronic PLC	2.90	26.93	27.06	Healthcare
Comcast Corp Class A	2.51	29.44	33.92	Communication Svc
Facebook Inc A	2.48	31.91	56.57	Communication Svc
Mastercard Inc A	2.35	34.27	58.98	Financial Services
Chevron Corp	2.23	36.49	15.15	Energy
Alphabet Inc Class C	2.19	38.69	29.10	Communication Svc
Philip Morris International Inc	2.08	40.76	34.38	Consumer Defensive
Honeywell International Inc	2.01	42.78	36.51	Industrials
Johnson & Johnson	1.99	44.77	15.94	Healthcare

Total Holdings 81

⊕ Increase ⊖ Decrease ✨ New to Portfolio

DFA Emerging Markets I DFEMX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI EM NR USD

Portfolio Manager(s)

Jed Fogdall since 02-2010
Bhanu Singh since 07-2015
Mary Phillips since 02-2017

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 9.84 years.

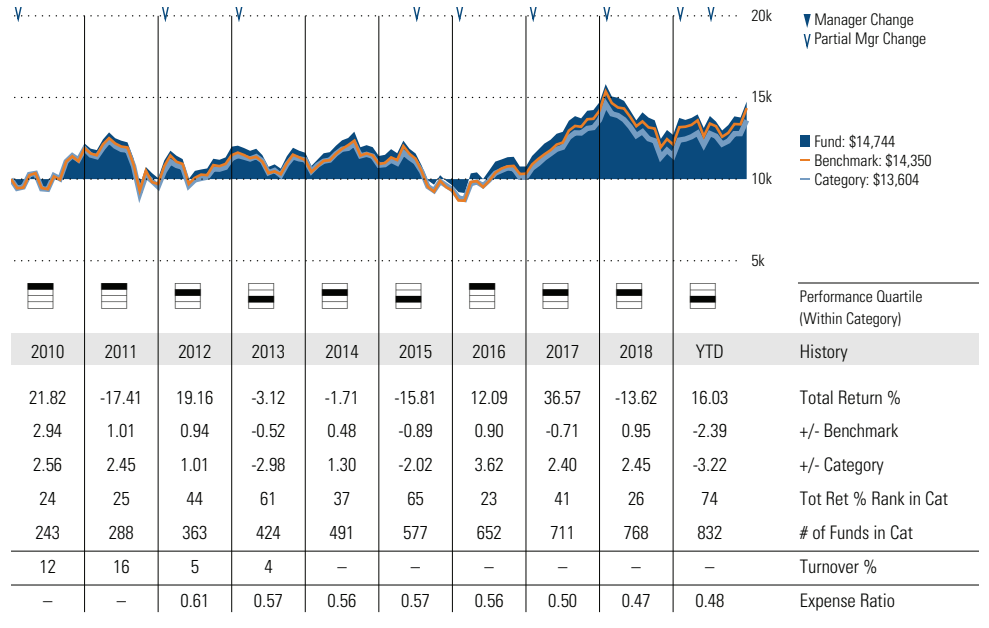
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.48 is 62.2% lower than the Diversified Emerging Mkts category average.

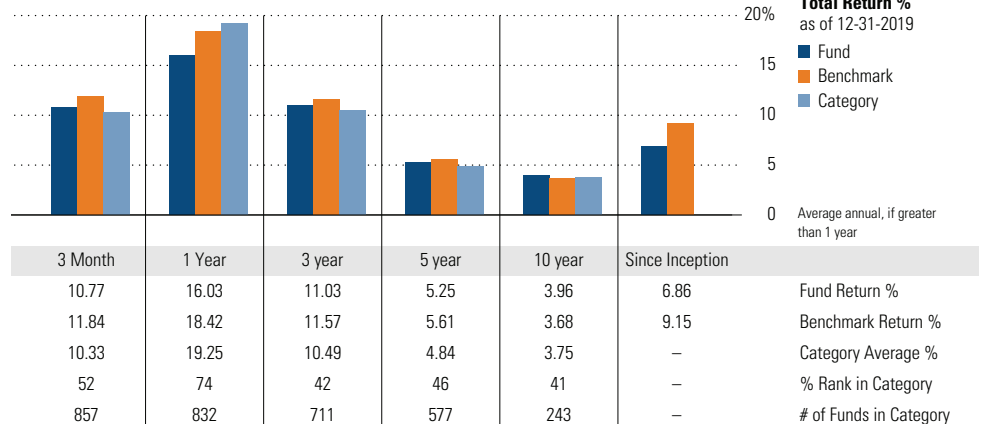
Morningstar Investment Management LLC Analysis

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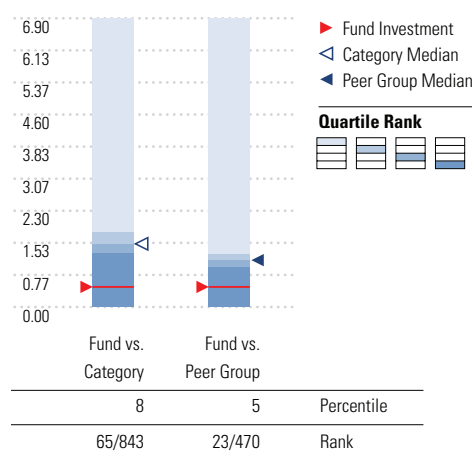
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.05	-	0.32
Beta	0.95	-	0.90
R-Squared	97.59	-	88.31
Standard Deviation	13.80	14.37	13.84
Sharpe Ratio	0.70	0.71	0.68
Tracking Error	2.27	-	4.76
Information Ratio	-0.24	-	-0.15
Up Capture Ratio	97.65	-	92.92
Down Capture Ratio	99.29	-	92.99

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.34	12.62	13.55
Price/Book Ratio	1.49	1.49	1.87
Geom Avg Mkt Cap \$B	16.62	19.61	20.39
ROE	16.65	17.14	20.22

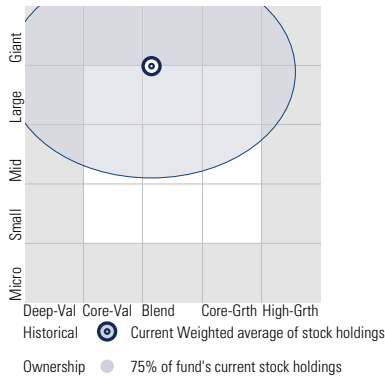
DFA Emerging Markets I DFEMX

Morningstar Category
Diversified Emerging Mkts

Morningstar Index
MSCI EM NR USD

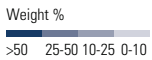
Style Analysis as of 12-31-2019

Morningstar Style Box™

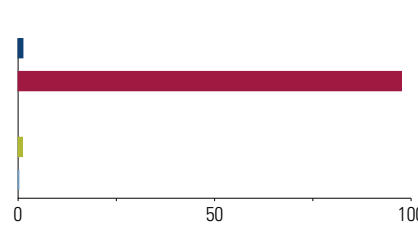


Style Breakdown

Equity			
Value	Blend	Growth	
31	28	18	Large
11	7	4	Mid
1	0	0	Small

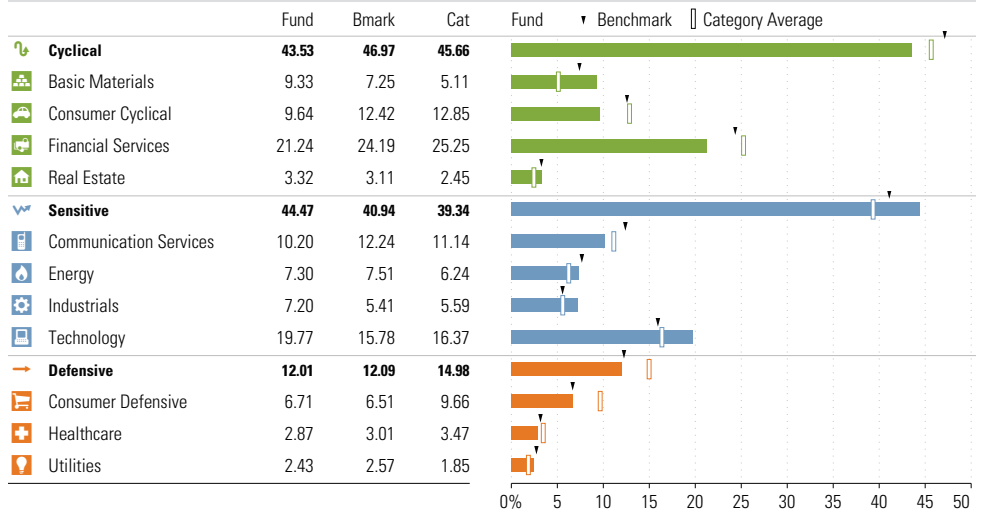


Asset Allocation as of 12-31-2019

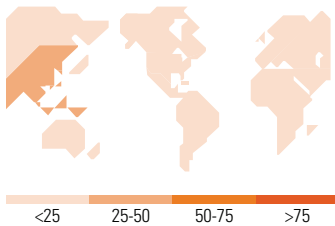


Asset Class	Net %	Cat %
US Stocks	1.23	2.11
Non-US Stocks	97.55	95.28
Bonds	0.00	0.31
Cash	1.02	1.42
Other	0.20	0.88
Total	100.00	100.00

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	74.10	68.98	Americas	14.13	15.26	Greater Europe	11.76	15.76	Developed Markets	32.15
Japan	0.00	0.12	North America	0.87	1.60	United Kingdom	0.00	0.83	Emerging Markets	67.85
Australasia	0.00	0.01	Central/Latin	13.26	13.66	W euro-ex UK	0.45	1.77	Not Available	0.00
Asia-4 Tigers	30.82	23.07				Emrgng Europe	4.66	7.34		
Asia-ex 4 Tigers	43.28	45.78				Africa	6.65	5.82		
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	3.89	3.89	52.33	Technology
⊖ Samsung Electronics Co Ltd	3.75	7.64	-	Technology
⊖ Tencent Holdings Ltd	2.82	10.46	19.94	Communication Svc
⊕ Alibaba Group Holding Ltd ADR	1.76	12.22	54.74	Consumer Cyclical
⊖ Taiwan Semiconductor Manufacturing Co Ltd ADR	1.35	13.57	62.84	Technology
⊖ Reliance Industries Ltd	1.06	14.62	35.61	Energy
⊖ Samsung Electronics Co Ltd GDR	0.99	15.62	39.87	Technology
⊖ SK Hynix Inc	0.98	16.59	-	Technology
⊕ Ping An Insurance (Group) Co. of China Ltd Class H	0.90	17.49	36.26	Financial Services
⊖ HDFC Bank Ltd	0.78	18.27	20.86	Financial Services

Total Holdings 1189

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Invesco Balanced-Risk Commodity Strat R6 IBRFX

Morningstar Category
Commodities Broad Basket

Morningstar Index
Bloomberg Commodity TR USD

Portfolio Manager(s)

Chris Devine since 11-2010
 Christian Ulrich since 11-2010
 Mark Ahnrud since 11-2010
 Scott Hixon since 11-2010
 Scott Wolle since 11-2010

Quantitative Screens

✔ **Performance:** The fund has finished in the Commodities Broad Basket category's top three quartiles in 5 of the 7 years it's been in existence.

✔ **Management:** The fund's management has been in place for 9.09 years.

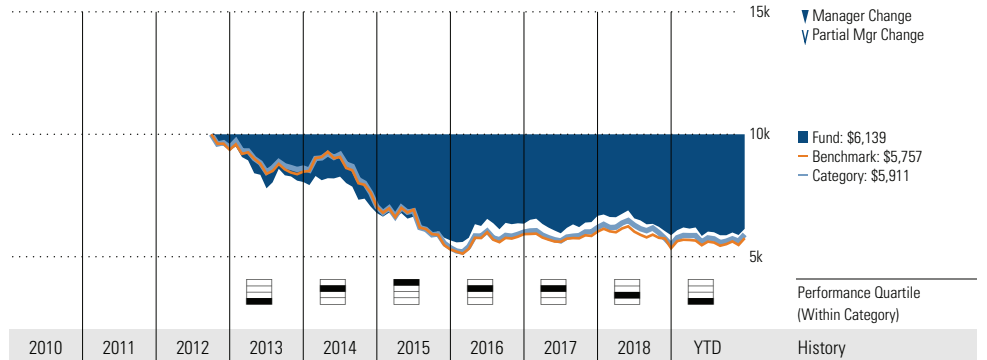
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.01 is 12.93% lower than the Commodities Broad Basket category average.

Morningstar Investment Management LLC Analysis

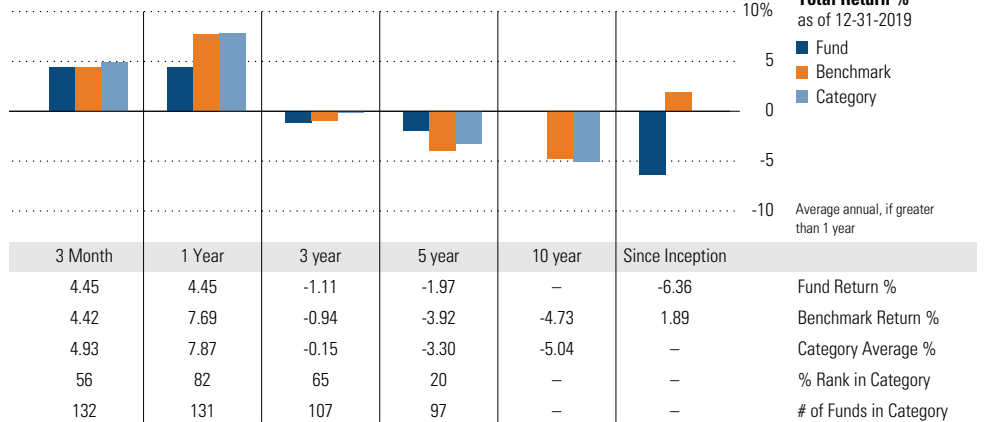
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000

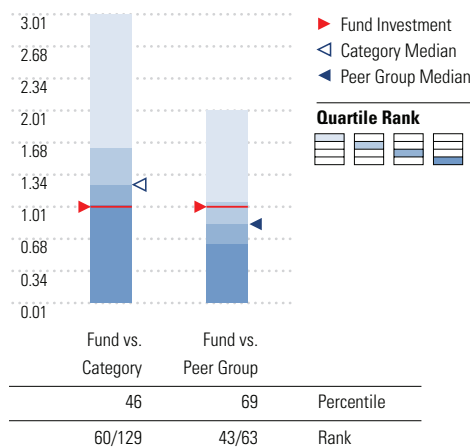


2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
-	-	-	-13.81	-15.77	-16.44	12.02	5.04	-11.87	4.45	Total Return %
-	-	-	-4.29	1.24	8.22	0.25	3.34	-0.62	-3.24	+/- Benchmark
-	-	-	-5.08	2.21	7.55	-0.14	1.38	-0.35	-3.42	+/- Category
-	-	-	81	27	7	49	31	52	82	Tot Ret % Rank in Cat
-	-	-	83	87	97	104	107	115	131	# of Funds in Cat
-	-	152	47	21	17	98	10	96	9	Turnover %
-	-	0.97	0.97	0.99	1.05	1.13	1.08	1.01	1.01	Expense Ratio

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	-0.23	-	1.04
Beta	0.87	-	1.02
R-Squared	72.80	-	76.84
Standard Deviation	8.79	8.58	10.31
Sharpe Ratio	-0.28	-0.27	-0.16
Tracking Error	4.71	-	5.01
Information Ratio	-0.04	-	-0.02
Up Capture Ratio	108.20	-	114.72
Down Capture Ratio	108.86	-	106.23

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	-	17.61
Price/Book Ratio	-	-	2.09
Geom Avg Mkt Cap \$B	-	-	34.02
ROE	-	-	11.39

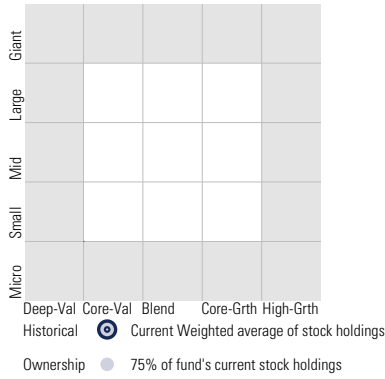
Invesco Balanced-Risk Commodity Strat R6 IBRFX

Morningstar Category
Commodities Broad Basket

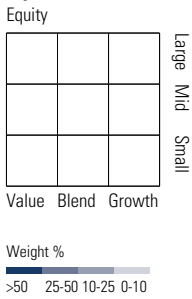
Morningstar Index
Bloomberg Commodity TR USD

Style Analysis as of 12-31-2019

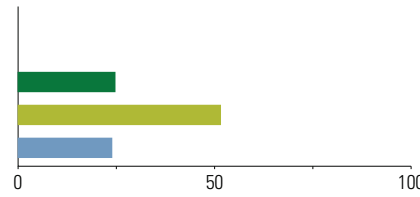
Morningstar Style Box™



Style Breakdown

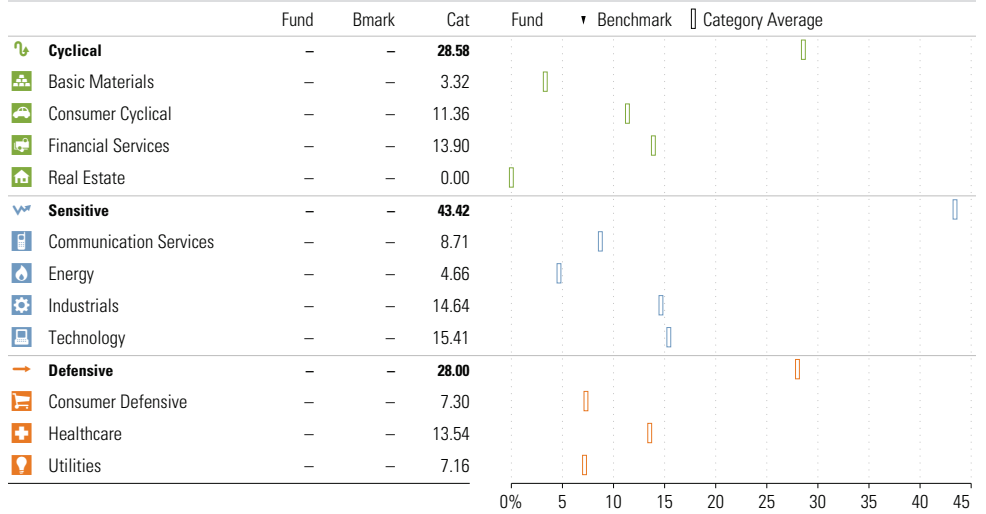


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	0.00	2.61
Non-US Stocks	0.00	1.86
Bonds	24.65	21.55
Cash	51.50	67.31
Other	23.84	6.68
Total	100.00	100.00

Sector Weighting as of 12-31-2019



Top 13 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Invesco Cayman Commodity Fund Iii Hf	23.84	23.84	-	-
⊖ Invesco Shrt-Trm Inv Treasury Instl	15.47	39.31	-	-
⊖ Invesco Shrt-Trm Inv Gov&Agcy Instl	13.53	52.84	-	-
⊖ Invesco Shrt-Trm Inv Liq Assets Instl	9.69	62.53	-	-
United States Treasury Notes 1.57%	7.40	69.93	-	-
United States Treasury Notes 1.56%	6.40	76.33	-	-
United States Treasury Notes 1.53%	6.29	82.62	-	-
⊕ United States Treasury Bills 0%	4.87	87.49	-	-
⊕ United States Treasury Bills 0%	4.87	92.36	-	-
Barclays Bank plc 0.01%	3.59	95.95	-	-
International Bank for Reconstruction and Development 1.57%	2.93	98.89	-	-
⊕ Barclays Bank plc 0%	1.11	100.00	-	-
⊕ Usd Currency Cash	0.00	100.00	-	-

Total Holdings 13

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Invesco Equity and Income R6 IEIFX

Morningstar Category
Allocation--50% to 70%
Equity

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Sergio Marcheli since 04-2003
Charles Burge since 02-2010
Brian Jurkash since 12-2015
Matthew Titus since 01-2016

Quantitative Screens

✔ **Performance:** The fund has finished in the Allocation--50% to 70% Equity category's top three quartiles in 5 of the 7 years it's been in existence.

✔ **Management:** The fund's management has been in place for 16.68 years.

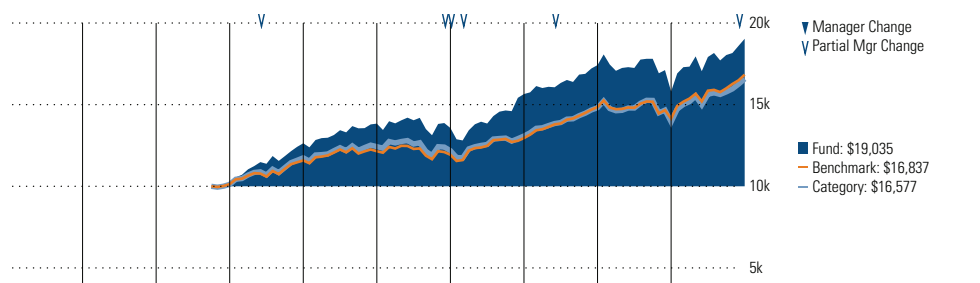
✔ **Style:** The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 64.15% lower than the Allocation--50% to 70% Equity category average.

Morningstar Investment Management LLC Analysis

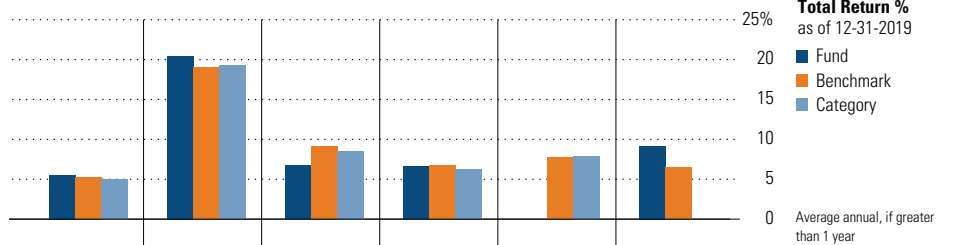
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Growth of \$10,000



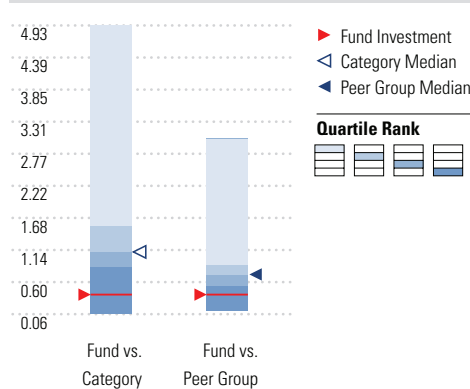
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
-	-	-	25.48	9.52	-1.93	15.32	11.34	-9.29	20.44	Total Return %
-	-	-	11.17	4.63	-0.14	6.75	-3.32	-4.53	1.41	+/- Benchmark
-	-	-	9.00	3.31	0.00	7.98	-1.87	-3.53	1.21	+/- Category
-	-	-	13	14	64	4	78	93	31	Tot Ret % Rank in Cat
-	-	-	533	547	571	623	644	688	699	# of Funds in Cat
-	-	21	26	60	69	93	94	129	138	Turnover %
-	-	-	0.37	0.39	0.37	0.37	0.38	0.38	0.38	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
5.52	20.44	6.75	6.59	-	9.17	Fund Return %
5.23	19.03	9.13	6.75	7.72	6.50	Benchmark Return %
5.03	19.23	8.55	6.22	7.90	-	Category Average %
31	31	86	39	-	-	% Rank in Category
716	699	644	571	-	-	# 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	-5.16	-	-1.21
Beta	1.35	-	1.08
R-Squared	87.27	-	92.31
Standard Deviation	9.80	6.76	7.61
Sharpe Ratio	0.54	1.07	0.90
Tracking Error	4.24	-	2.23
Information Ratio	-0.56	-	-0.30
Up Capture Ratio	109.50	-	101.02
Down Capture Ratio	164.73	-	113.02

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.92	17.25	17.99
Price/Book Ratio	1.77	2.05	2.31
Avg Eff Duration	5.81	-	4.38

Invesco Equity and Income R6 IEIFX

Morningstar Category
Allocation--50% to 70%

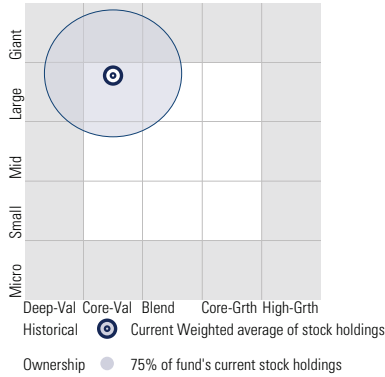
Morningstar Index

Morningstar Mod Tgt Risk TR USD

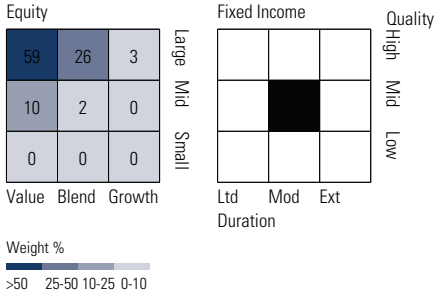
Equity

Style Analysis as of 12-31-2019

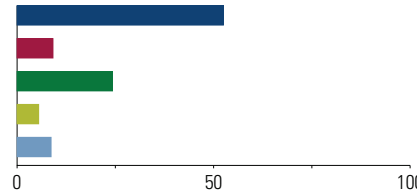
Morningstar Style Box™



Style Breakdown

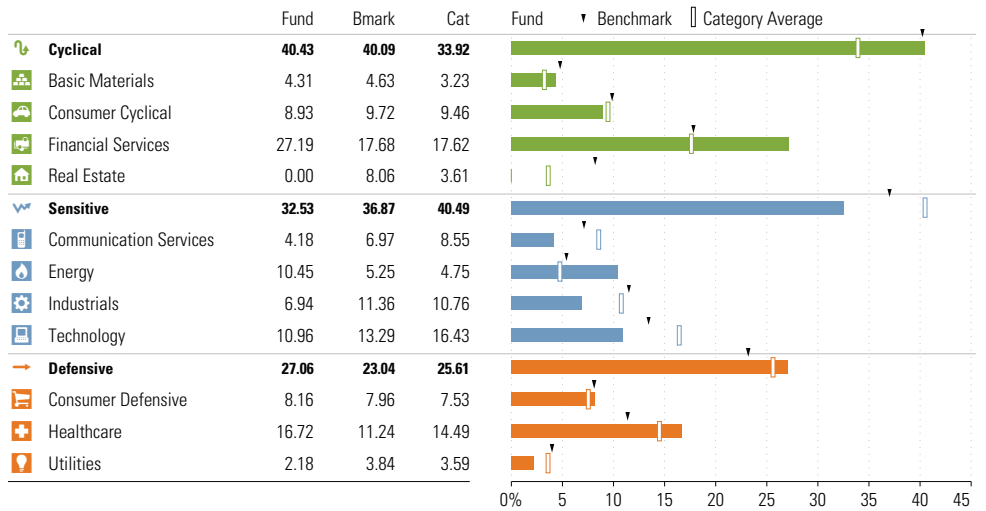


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	52.49	40.06
Non-US Stocks	9.12	8.77
Bonds	24.27	26.40
Cash	5.48	5.40
Other	8.64	19.37
Total	100.00	100.00

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
⊕ United States Treasury Notes 1.62%	12-2021	4.07	4.07	—	—
⊕ United States Treasury Notes 1.75%	12-2024	3.50	7.57	—	—
⊕ Stsb_gl_fxgl	01-2020	3.02	10.59	—	—
⊕ Johnson & Johnson	—	2.32	12.91	15.94	Healthcare
Bank of America Corp	—	2.18	15.09	45.62	Financial Services
Philip Morris International Inc	—	2.02	17.12	34.38	Consumer Defensive
⊖ Citigroup Inc	—	1.97	19.09	57.15	Financial Services
⊖ American International Group Inc	—	1.85	20.94	33.49	Financial Services
⊖ Morgan Stanley	—	1.72	22.66	32.21	Financial Services
⊖ Invesco Shrt-Trm Inv Treasury Instl	—	1.72	24.38	—	—

Total Holdings 375

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Invesco Global Real Estate R6 FGREX

Morningstar Category
Global Real Estate

Morningstar Index
S&P Global REIT TR USD

Portfolio Manager(s)

Joe Rodriguez since 04-2005
 Mark Blackburn since 04-2005
 Ping-Ying Wang since 11-2006
 Paul Curbo since 01-2007
 James Cowen since 05-2008
 Darin Turner since 04-2010
 Grant Jackson since 06-2018

Quantitative Screens

Performance: The fund has finished in the Global Real Estate category's top three quartiles in 7 of the 7 years it's been in existence.

Management: The fund's management has been in place for 14.68 years.

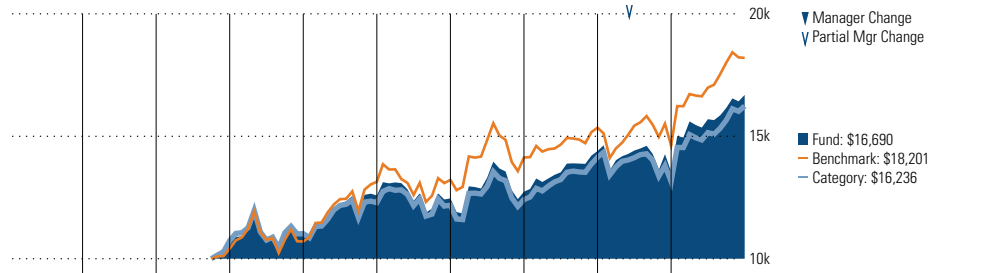
Style: The fund has landed in its primary style box — Large Blend — 72.73 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.83 is 33.06% lower than the Global Real Estate category average.

Morningstar Investment Management LLC Analysis

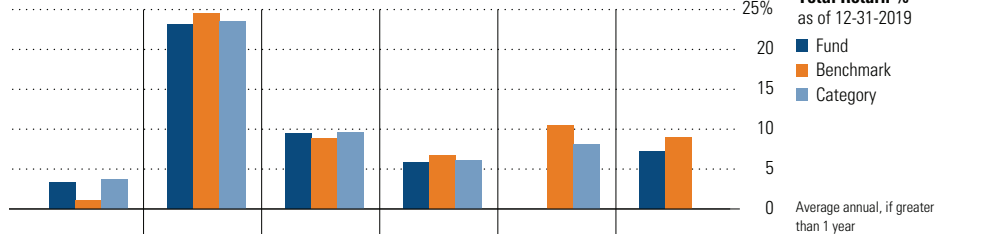
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Growth of \$10,000



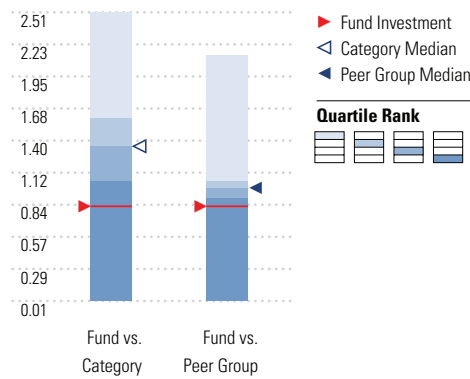
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	History
-	-	-	3.01	14.77	-0.96	2.21	13.04	-5.85	23.12	Total Return %
-	-	-	0.20	-8.04	-1.55	-4.69	4.41	-1.08	-1.37	+/- Benchmark
-	-	-	0.09	3.10	-0.04	0.24	-2.08	1.26	-0.33	+/- Category
-	-	-	55	28	53	48	47	40	50	Tot Ret % Rank in Cat
-	-	-	136	150	171	189	201	210	226	# of Funds in Cat
-	-	54	58	45	43	84	57	51	47	Turnover %
-	-	-	0.84	0.85	0.84	0.84	0.81	0.85	0.83	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
3.28	23.12	9.43	5.81	-	7.20	Fund Return %
1.07	24.49	8.80	6.73	10.51	9.01	Benchmark Return %
3.70	23.45	9.61	6.03	8.08	-	Category Average %
41	50	53	55	-	-	% Rank in Category
227	226	201	171	-	-	# 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	1.03	-	1.66
Beta	0.95	-	0.90
R-Squared	89.42	-	84.11
Standard Deviation	10.16	10.11	10.05
Sharpe Ratio	0.77	0.72	0.81
Tracking Error	3.34	-	3.84
Information Ratio	0.19	-	0.19
Up Capture Ratio	94.18	-	92.26
Down Capture Ratio	81.48	-	75.00

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.17	19.35	17.02
Price/Book Ratio	1.45	1.75	1.45
Geom Avg Mkt Cap \$B	8.92	7.09	9.17
ROE	8.69	9.99	9.45

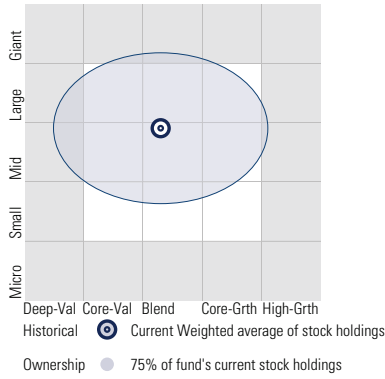
Invesco Global Real Estate R6 FGREX

Morningstar Category
Global Real Estate

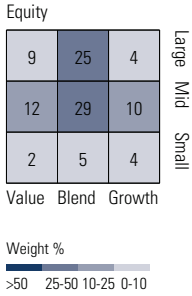
Morningstar Index
S&P Global REIT TR USD

Style Analysis as of 12-31-2019

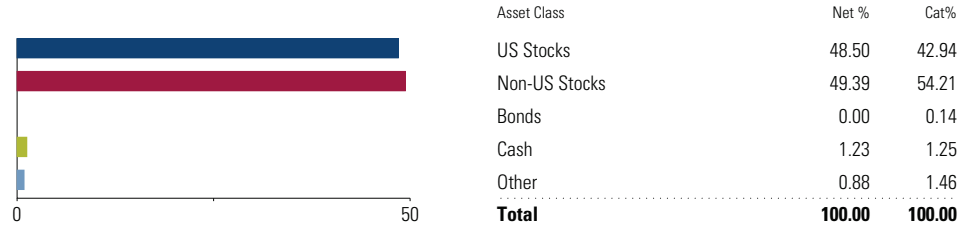
Morningstar Style Box™



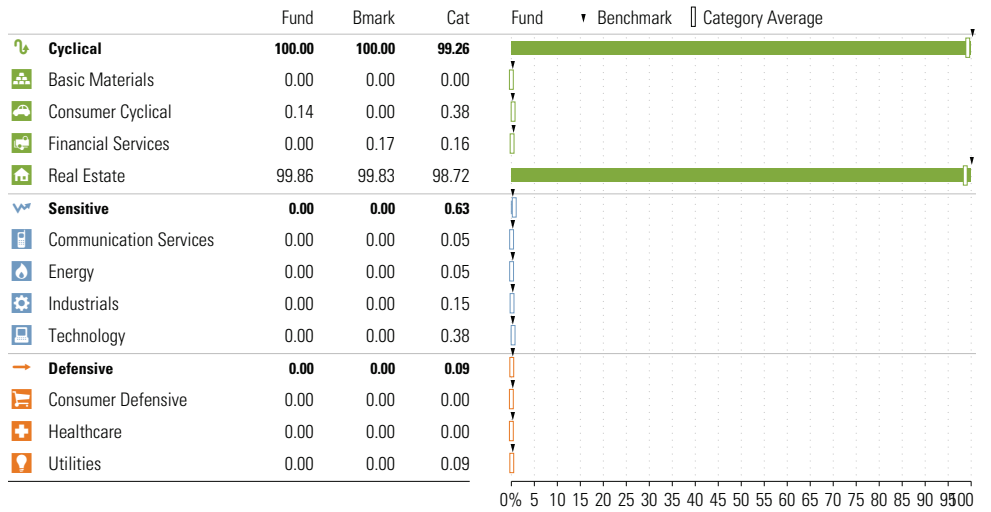
Style Breakdown



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
⊖ Boston Properties Inc	3.17	3.17	25.89	Real Estate
⊖ Prologis Inc	2.99	6.16	55.42	Real Estate
⊖ AvalonBay Communities Inc	2.81	8.96	23.98	Real Estate
⊕ Simon Property Group Inc	2.45	11.41	-6.39	Real Estate
⊖ Ventas Inc	2.38	13.79	3.96	Real Estate
⊕ Healthpeak Properties Inc	1.93	15.72	28.71	Real Estate
⊖ Vonovia SE	1.92	17.64	23.91	Real Estate
⊕ VICI Properties Inc Ordinary Shares	1.56	19.20	42.28	Real Estate
⊕ UDR Inc	1.50	20.70	21.28	Real Estate
⊖ Hudson Pacific Properties Inc	1.49	22.18	33.00	Real Estate
⊕ Sun Hung Kai Properties Ltd	1.35	23.53	11.34	Real Estate
⊖ Invitation Homes Inc	1.33	24.87	51.84	Real Estate
⊖ Sun Communities Inc	1.33	26.20	50.53	Real Estate
⊖ Link Real Estate Investment Trust	1.24	27.44	7.59	Real Estate
⊖ Mitsui Fudosan Co Ltd	1.23	28.67	11.17	Real Estate

Total Holdings 201

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Invesco Growth and Income R6 GIFFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Portfolio Manager(s)

Sergio Marcheli since 03-2003
Brian Jurkash since 12-2015
Matthew Titus since 01-2016

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 16.85 years.

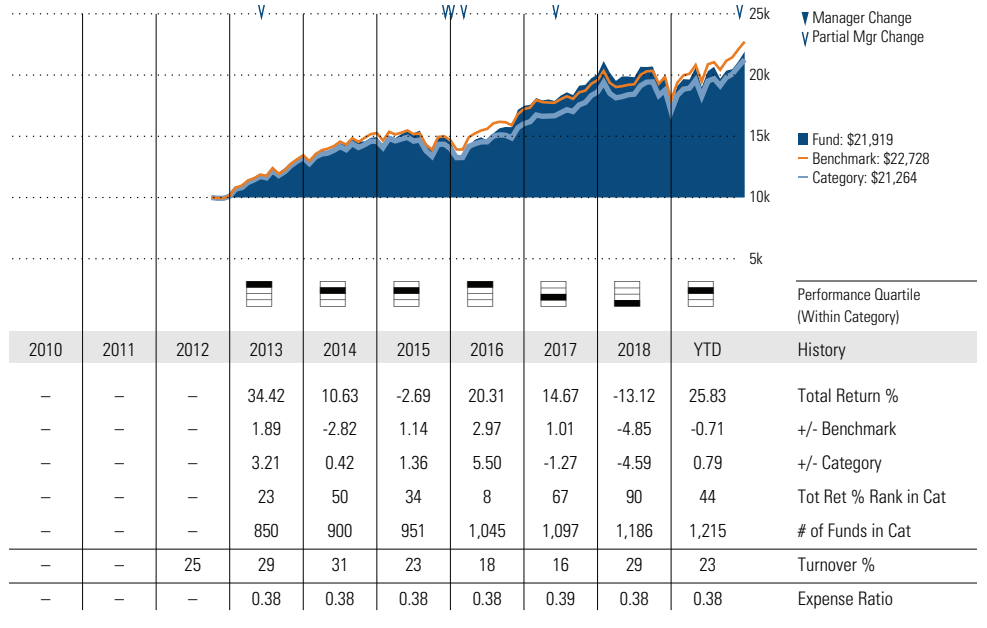
✔ **Style:** The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 60% lower than the Large Value category average.

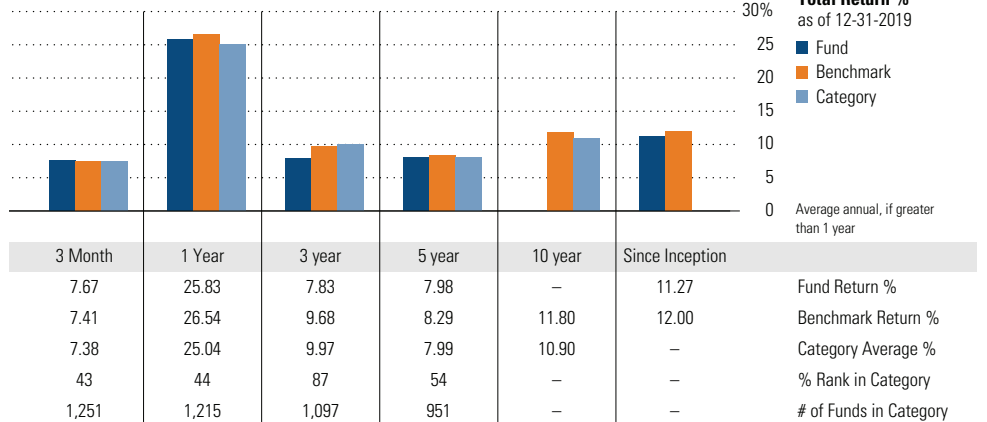
Morningstar Investment Management LLC Analysis

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.

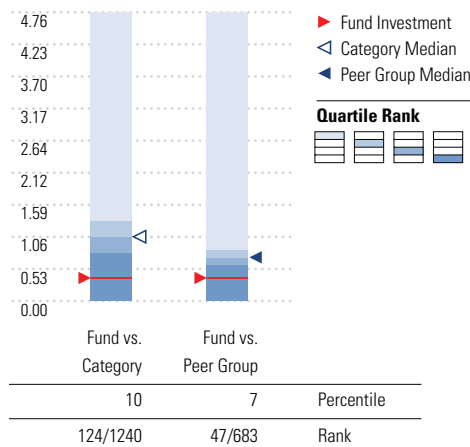
Growth of \$10,000



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

	Fund	Bmark	Cat
Alpha	-2.98	-	0.26
Beta	1.16	-	0.99
R-Squared	95.91	-	93.57
Standard Deviation	14.17	12.02	12.30
Sharpe Ratio	0.48	0.69	0.70
Tracking Error	3.42	-	3.22
Information Ratio	-0.54	-	0.06
Up Capture Ratio	105.05	-	99.40
Down Capture Ratio	123.48	-	97.97

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.87	16.59	16.45
Price/Book Ratio	1.77	1.83	2.17
Geom Avg Mkt Cap \$B	55.85	53.25	87.27
ROE	12.81	13.49	19.10

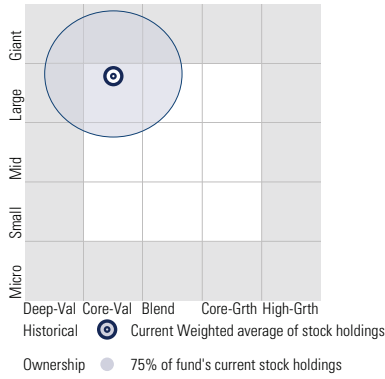
Invesco Growth and Income R6 GIFFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Style Analysis as of 12-31-2019

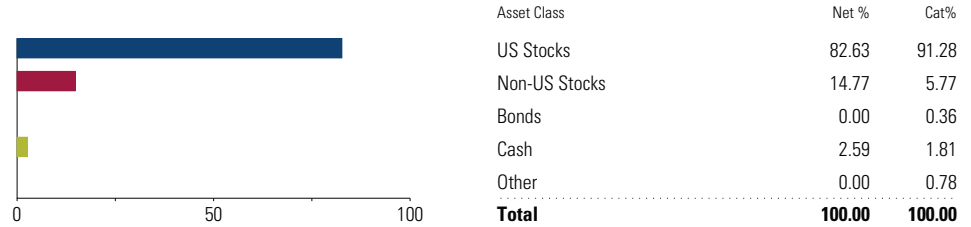
Morningstar Style Box™



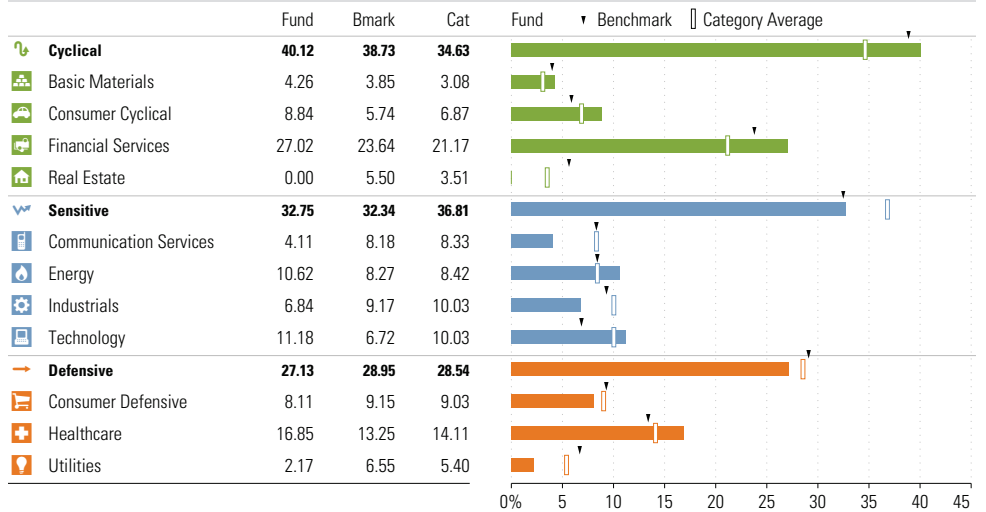
Style Breakdown



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
⊕ Stsb_gl_fxgl	5.00	5.00	-	-
⊕ Johnson & Johnson	3.61	8.60	15.94	Healthcare
⊖ Bank of America Corp	3.45	12.05	45.62	Financial Services
⊖ Philip Morris International Inc	3.19	15.24	34.38	Consumer Defensive
⊖ Citigroup Inc	3.11	18.34	57.15	Financial Services
⊖ American International Group Inc	2.87	21.21	33.49	Financial Services
⊖ Morgan Stanley	2.66	23.87	32.21	Financial Services
⊖ General Motors Co	2.61	26.48	13.96	Consumer Cyclical
⊖ PNC Financial Services Group Inc	2.53	29.01	40.13	Financial Services
⊕ Stsb_gl_fxgl	2.49	31.50	-	-
⊕ Meln_gl_fxgl	2.35	33.85	-	-
⊕ Meln_gl_fxgl	2.30	36.15	-	-
⊖ General Dynamics Corp	2.15	38.31	14.71	Industrials
⊕ Goldman Sachs Group Inc	2.04	40.34	40.13	Financial Services
⊖ Royal Dutch Shell PLC Class A	2.01	42.35	3.21	Energy

Total Holdings 77

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan Small Cap Value R6 JSVUX

Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

Portfolio Manager(s)

Phillip Hart since 12-2005
Wonseok Choi since 11-2019
Akash Gupta since 11-2019
Lindsey Houghton since 11-2019
Jonathan Tse since 11-2019

Quantitative Screens

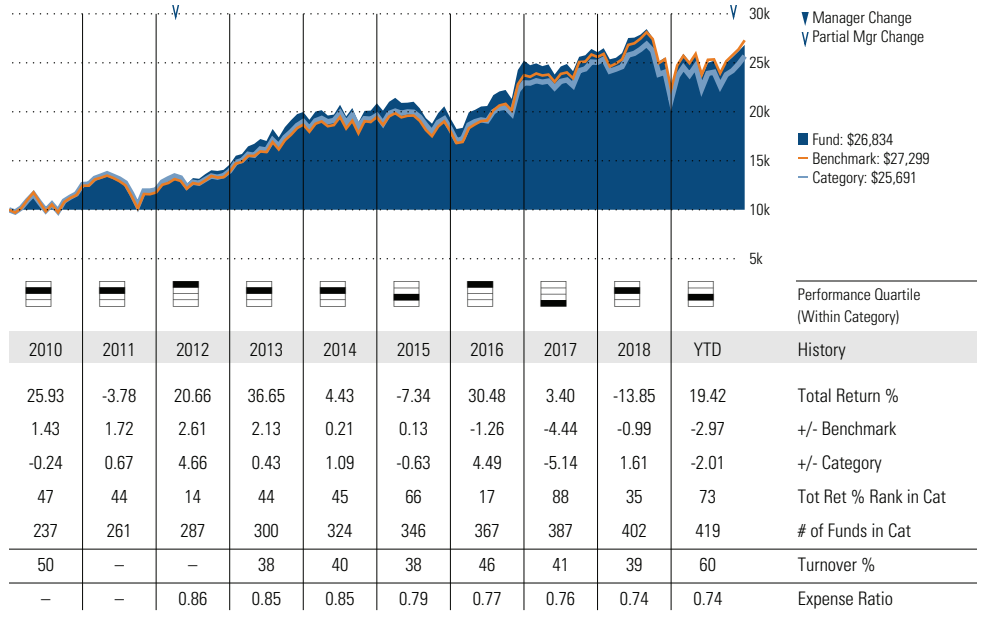
Performance: The fund has finished in the Small Value category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 14.01 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 0.74 is 37.82% lower than the Small Value category average.

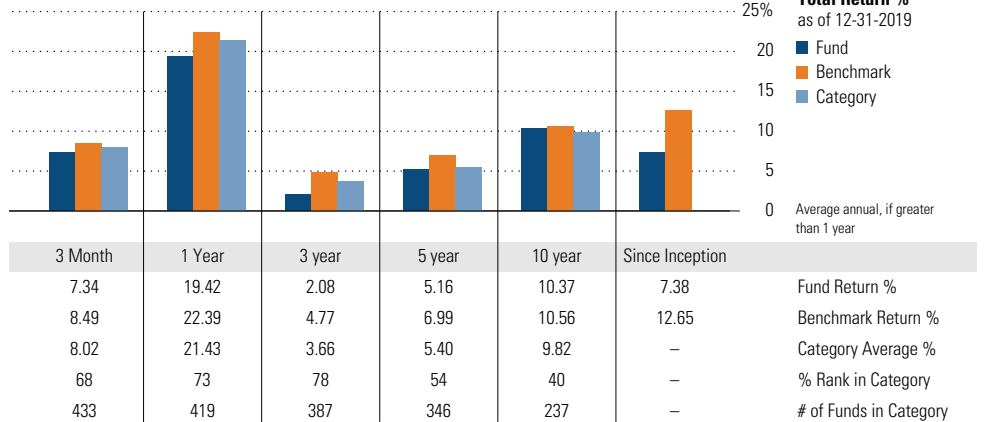
Growth of \$10,000



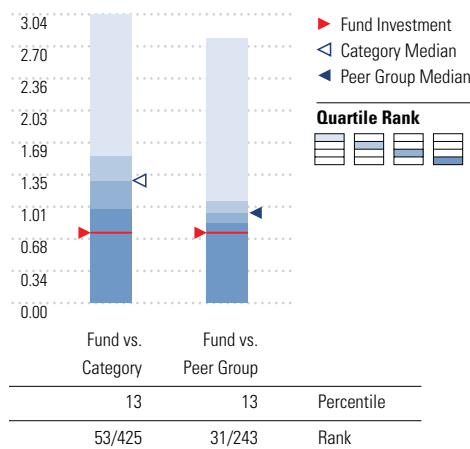
Morningstar Investment Management LLC Analysis

We are placing JPMorgan Small Cap Value on watch due to the departure of longtime portfolio manager Dennis Ruhl, who left in November. While an experienced team of comanagers remains in place, Ruhl was integral to JPM's U.S. behavioral finance group, helping to develop and refresh the quantitative models that largely drive performance at the funds the team oversees. During the period it is on watch, the fund will be subject to heightened scrutiny as we assess the impact of Ruhl's departure on the fund's performance patterns and risk characteristics.

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	-2.54	-	-0.65
Beta	0.98	-	1.01
R-Squared	98.77	-	93.78
Standard Deviation	15.75	15.90	16.50
Sharpe Ratio	0.10	0.27	0.22
Tracking Error	1.76	-	4.17
Information Ratio	-1.53	-	-0.20
Up Capture Ratio	93.94	-	96.86
Down Capture Ratio	106.46	-	100.05

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.06	18.52	18.01
Price/Book Ratio	1.52	1.45	1.65
Geom Avg Mkt Cap \$B	1.30	1.34	2.55
ROE	9.08	6.22	9.71

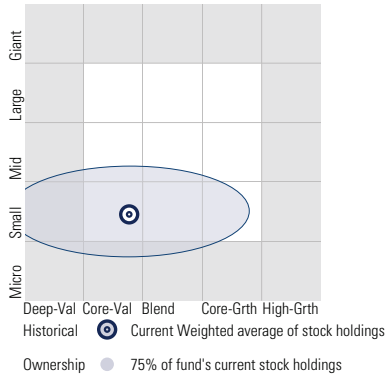
JPMorgan Small Cap Value R6 JSVUX

Morningstar Category
Small Value

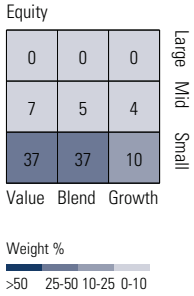
Morningstar Index
Russell 2000 Value TR USD

Style Analysis as of 12-31-2019

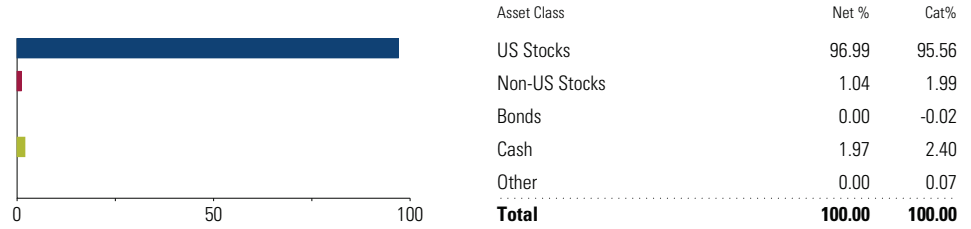
Morningstar Style Box™



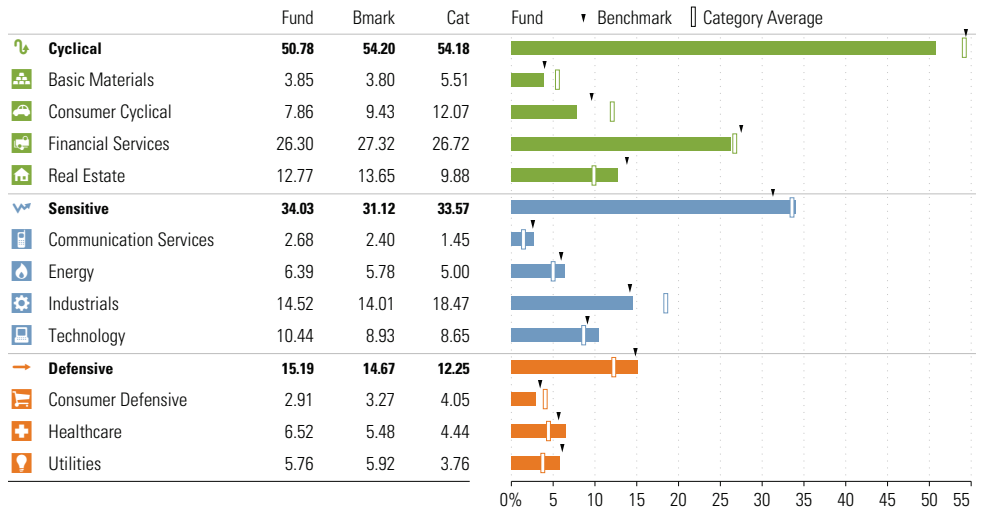
Style Breakdown



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
⊖ JPMorgan Prime Money Market IM	1.97	1.97	-	-
⊖ Washington Federal Inc	1.25	3.22	40.28	Financial Services
⊖ United Bankshares Inc	1.19	4.41	28.67	Financial Services
⊖ Trustmark Corp	1.17	5.57	24.62	Financial Services
⊖ TRI Pointe Group Inc	1.14	6.71	42.54	Consumer Cyclical
⊖ Rambus Inc	1.11	7.82	79.60	Technology
⊖ Westamerica Bancorp	1.10	8.93	24.64	Financial Services
⊖ Sanderson Farms Inc	1.07	10.00	78.77	Consumer Defensive
⊖ Portland General Electric Co	1.06	11.05	24.99	Utilities
⊖ Delek US Holdings Inc	1.05	12.10	6.64	Energy
⊖ Sunstone Hotel Investors Inc	1.02	13.11	12.68	Real Estate
⊖ EMCOR Group Inc	1.01	14.13	45.12	Industrials
⊖ Builders FirstSource Inc	1.01	15.14	132.91	Industrials
⊕ TiVo Corp	1.01	16.14	-6.27	Technology
⊖ Magellan Health Inc	0.97	17.12	37.55	Healthcare

Total Holdings 317

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2020 R6 JTTYX

Morningstar Category
Target-Date 2020

Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Portfolio Manager(s)

Anne Lester since 05-2006
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

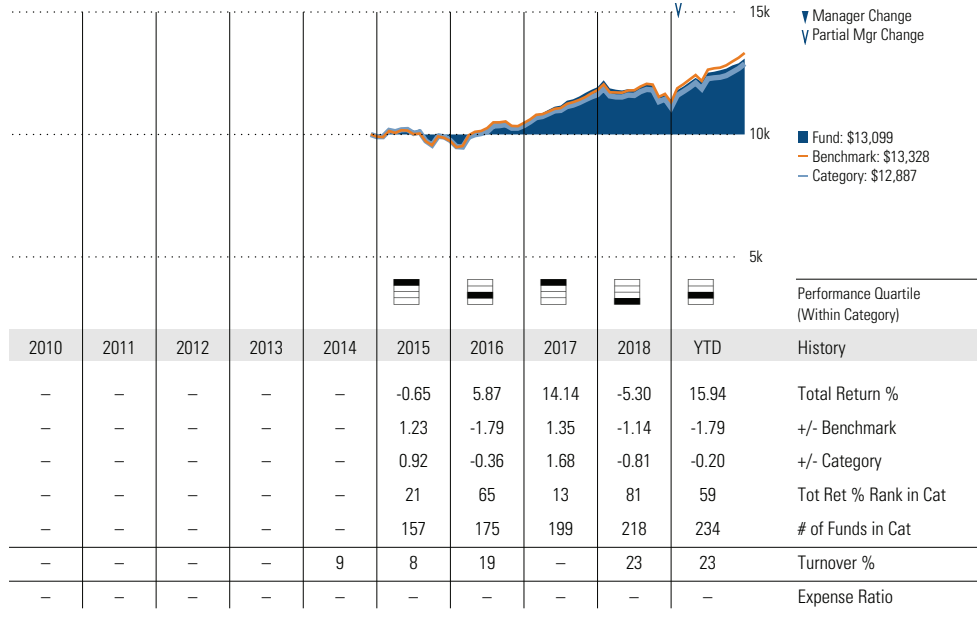
✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 4 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.64 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.44 is 41.33% lower than the Target-Date 2020 category average.

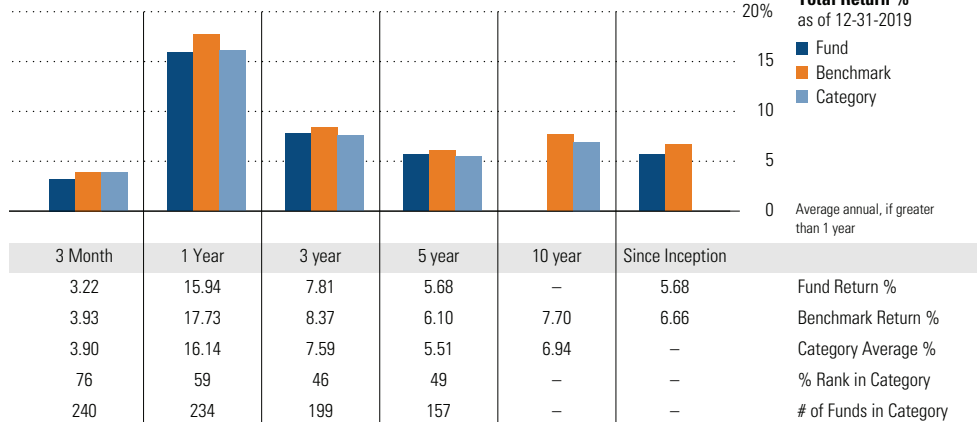
Growth of \$10,000



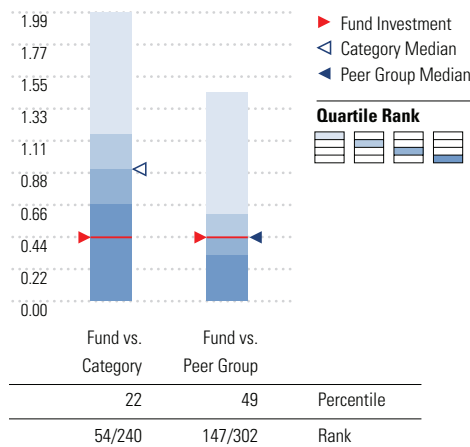
Morningstar Investment Management LLC Analysis

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

Metric	Fund	Bmark	Cat
Alpha	-0.17	-	-0.43
Beta	0.96	-	0.93
R-Squared	97.20	-	93.75
Standard Deviation	5.53	5.70	5.43
Sharpe Ratio	1.08	1.14	1.00
Tracking Error	0.96	-	1.47
Information Ratio	-0.58	-	-0.68
Up Capture Ratio	96.05	-	90.28
Down Capture Ratio	100.90	-	96.24

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.74	17.75	17.87
Price/Book Ratio	2.18	2.15	2.22
Avg Eff Duration	4.56	-	5.77

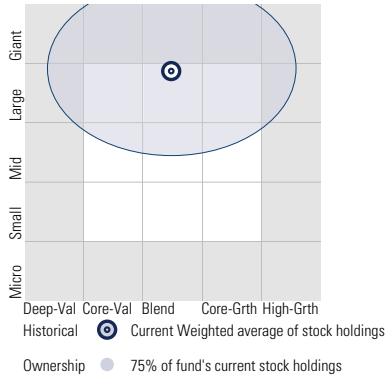
JPMorgan SmartRetirement® 2020 R6 JTTYX

Morningstar Category
Target-Date 2020

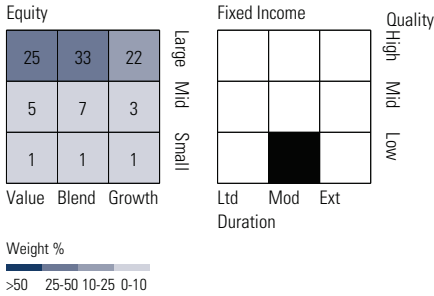
Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 12-31-2019

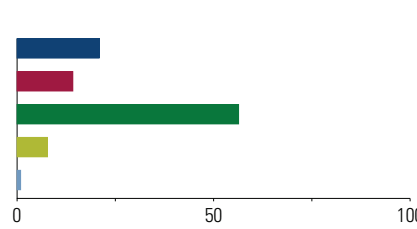
Morningstar Style Box™



Style Breakdown

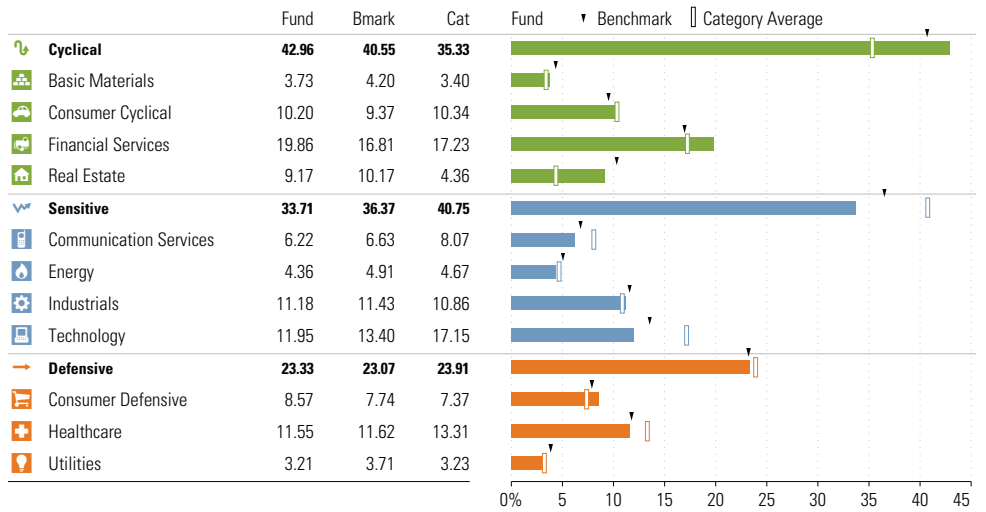


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	20.87	17.45
Non-US Stocks	14.17	5.83
Bonds	56.35	37.92
Cash	7.73	3.66
Other	0.89	35.13
Total	100.00	100.00

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
⊕ JPMorgan Core Bond R6	—	26.22	26.22	—	—
⊕ JPMorgan Short Duration Core Plus R6	—	14.12	40.33	—	—
⊕ JPMorgan US Equity R6	—	8.71	49.04	—	—
⊖ JPMorgan Equity Income R6	—	8.63	57.68	—	—
⊕ JPMorgan High Yield R6	—	5.99	63.67	—	—
⊖ JPMorgan International Equity R6	—	5.79	69.46	—	—
⊖ JPMorgan US Government MMkt IM	12-2049	4.74	74.20	—	—
⊕ JPMorgan Inflation Managed Bond R6	—	3.96	78.16	—	—
⊖ JPMorgan International Rsrch Enh Eq R6	—	3.96	82.12	—	—
⊖ JPMorgan Emerging Markets Equity R6	—	2.77	84.89	—	—

Total Holdings 23

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2025 R6 JNSYX

Morningstar Category
Target-Date 2025

Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Portfolio Manager(s)

Anne Lester since 07-2007
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 4 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.43 years.

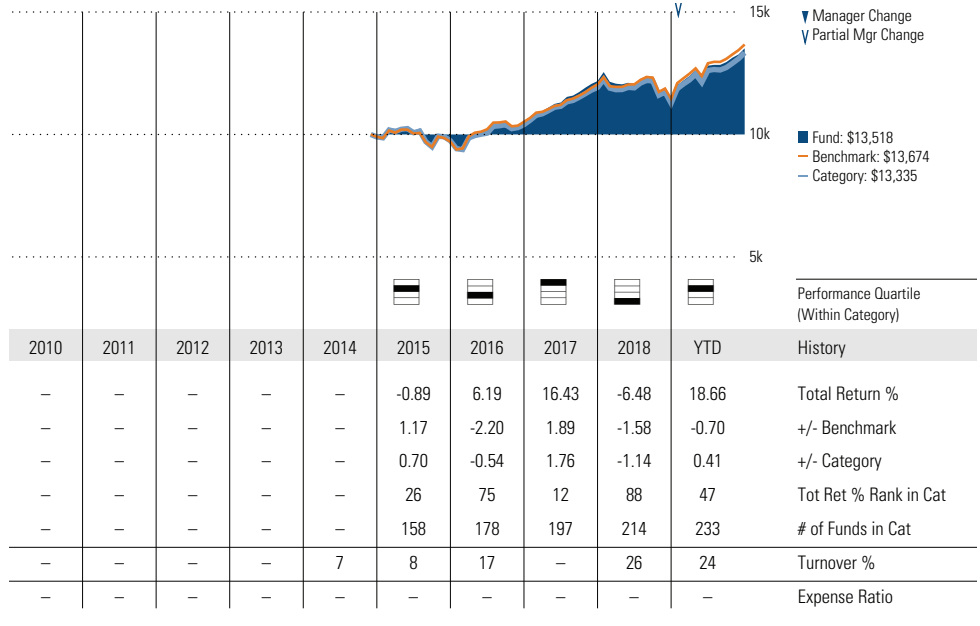
✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.45 is 38.36% lower than the Target-Date 2025 category average.

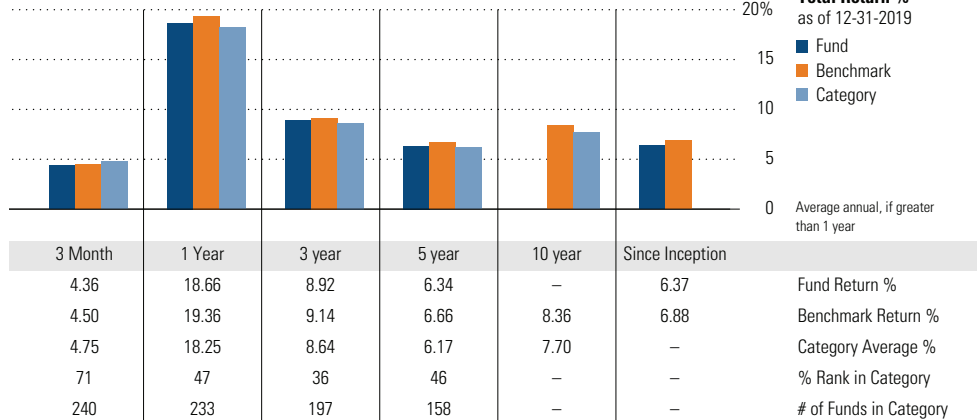
Morningstar Investment Management LLC Analysis

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

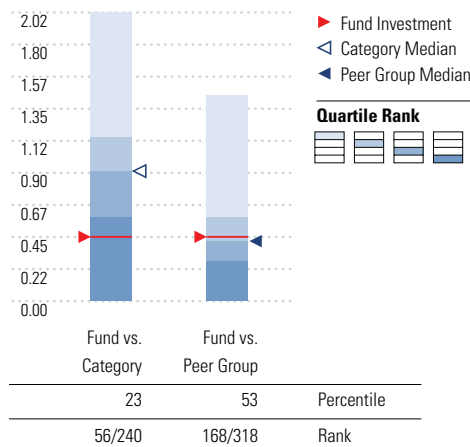
Growth of \$10,000



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	-0.53	-	-0.57
Beta	1.04	-	0.99
R-Squared	98.31	-	96.98
Standard Deviation	6.84	6.53	6.60
Sharpe Ratio	1.03	1.11	1.01
Tracking Error	0.92	-	1.30
Information Ratio	-0.25	-	-0.51
Up Capture Ratio	101.34	-	97.10
Down Capture Ratio	107.99	-	104.59

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.69	17.67	17.99
Price/Book Ratio	2.18	2.12	2.26
Avg Eff Duration	4.63	-	5.86

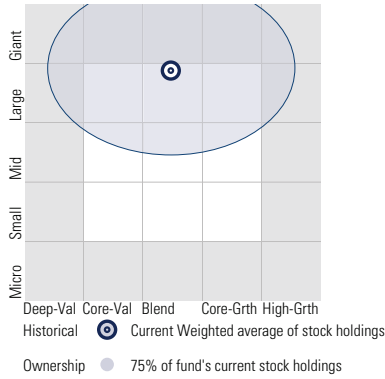
JPMorgan SmartRetirement® 2025 R6 JNSYX

Morningstar Category
Target-Date 2025

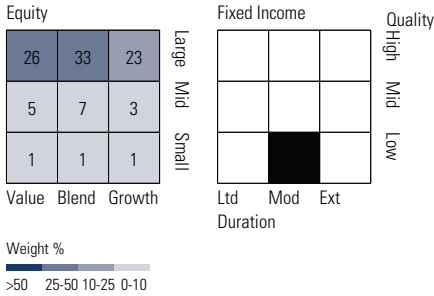
Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 12-31-2019

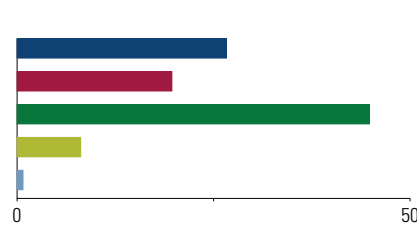
Morningstar Style Box™



Style Breakdown

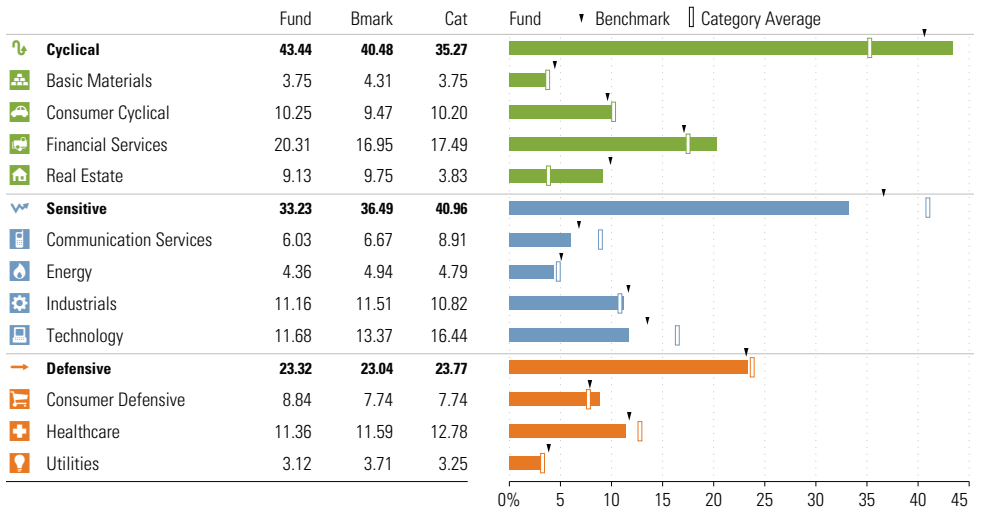


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	26.64	17.36
Non-US Stocks	19.69	7.34
Bonds	44.82	20.14
Cash	8.09	1.95
Other	0.75	53.20
Total	100.00	100.00

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
⊕ JPMorgan Core Bond R6	-	23.42	23.42	-	-
⊕ JPMorgan Short Duration Core Plus R6	-	12.24	35.66	-	-
⊖ JPMorgan Equity Income R6	-	11.66	47.33	-	-
⊕ JPMorgan US Equity R6	-	10.23	57.56	-	-
⊕ JPMorgan International Equity R6	-	8.09	65.64	-	-
⊖ JPMorgan International Rsrch Enh Eq R6	-	5.92	71.57	-	-
⊕ JPMorgan US Government MMkt IM	12-2049	5.03	76.60	-	-
⊖ JPMorgan Emerging Markets Equity R6	-	4.21	80.81	-	-
⊕ JPMorgan High Yield R6	-	4.01	84.82	-	-
⊕ JPMorgan Realty Income R6	-	2.30	87.12	-	-

Total Holdings 23

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2030 R6 JSMYX

Morningstar Category
Target-Date 2030

Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Portfolio Manager(s)

Anne Lester since 05-2006
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2030 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.64 years.

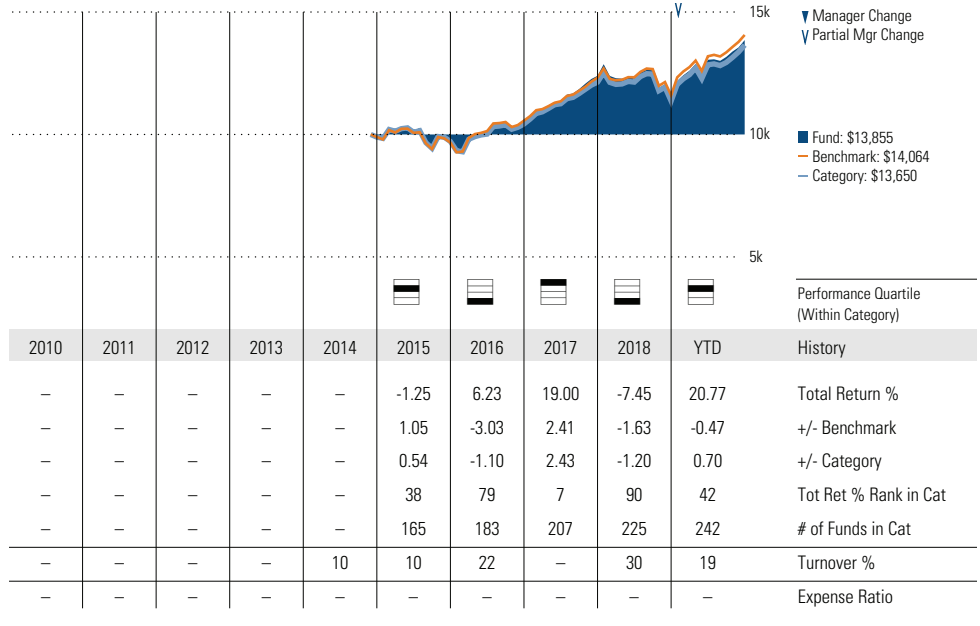
✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.46 is 40.26% lower than the Target-Date 2030 category average.

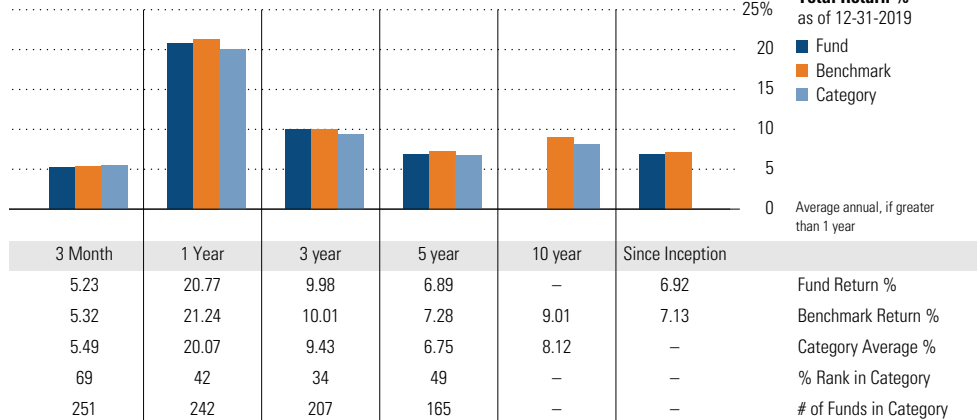
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

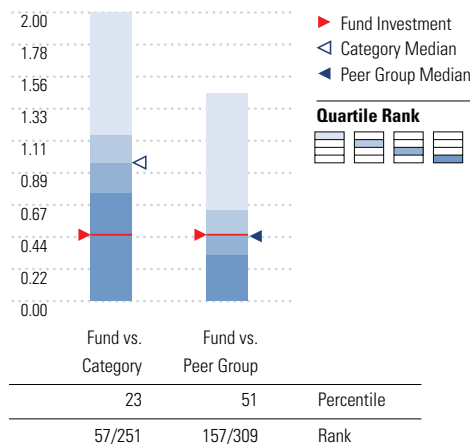
Growth of \$10,000



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	-0.44	-	-0.60
Beta	1.05	-	0.99
R-Squared	98.55	-	96.39
Standard Deviation	8.06	7.66	7.72
Sharpe Ratio	1.01	1.06	0.96
Tracking Error	1.03	-	1.42
Information Ratio	-0.03	-	-0.46
Up Capture Ratio	103.52	-	97.19
Down Capture Ratio	109.38	-	104.17

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.64	17.60	17.87
Price/Book Ratio	2.17	2.10	2.20
Avg Eff Duration	4.68	-	5.88

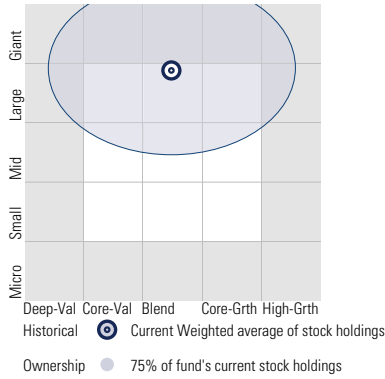
JPMorgan SmartRetirement® 2030 R6 JSMYX

Morningstar Category
Target-Date 2030

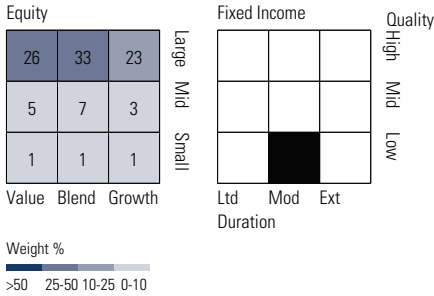
Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 12-31-2019

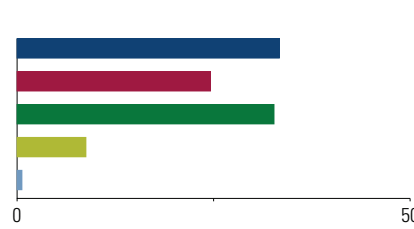
Morningstar Style Box™



Style Breakdown

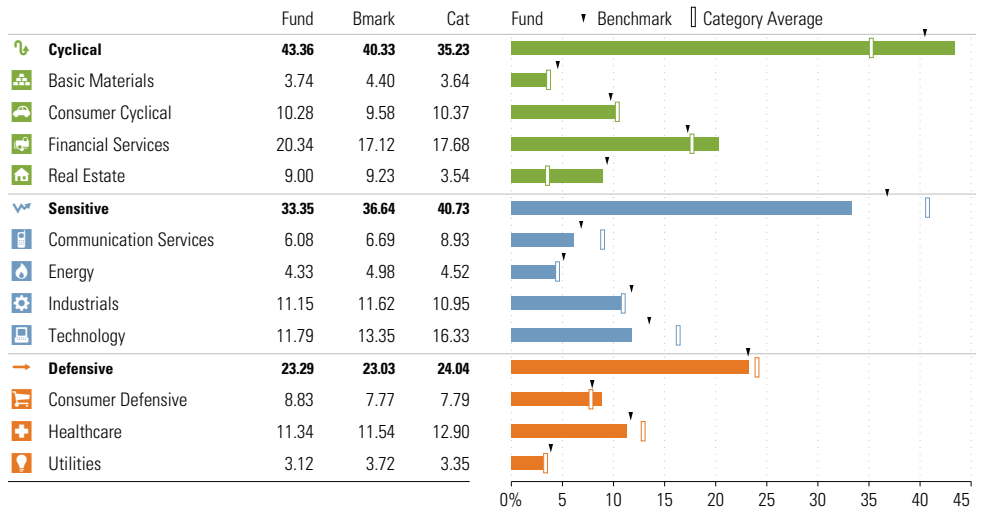


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	33.36	27.05
Non-US Stocks	24.60	11.57
Bonds	32.68	16.47
Cash	8.75	2.07
Other	0.61	42.84
Total	100.00	100.00

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
⊕ JPMorgan Core Bond R6	-	17.83	17.83	-	-
⊖ JPMorgan Equity Income R6	-	14.49	32.32	-	-
⊕ JPMorgan US Equity R6	-	13.07	45.39	-	-
⊕ JPMorgan International Equity R6	-	9.98	55.37	-	-
⊕ JPMorgan Short Duration Core Plus R6	-	9.51	64.89	-	-
⊕ JPMorgan International Rsrch Enh Eq R6	-	6.85	71.74	-	-
⊖ JPMorgan US Government MMkt IM	12-2049	5.75	77.49	-	-
⊖ JPMorgan Emerging Markets Equity R6	-	5.50	82.99	-	-
⊕ JPMorgan High Yield R6	-	3.35	86.34	-	-
⊕ JPMorgan International Advantage R6	-	3.00	89.33	-	-

Total Holdings 20

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2035 R6 SRJYX

Morningstar Category
Target-Date 2035

Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Portfolio Manager(s)

Anne Lester since 07-2007
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

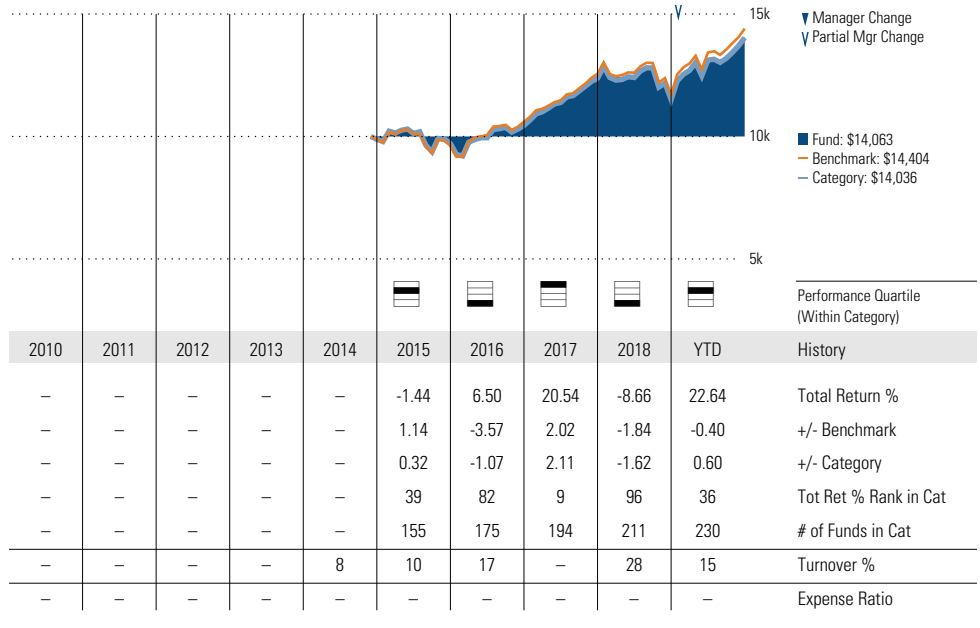
✗ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.43 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.46 is 39.47% lower than the Target-Date 2035 category average.

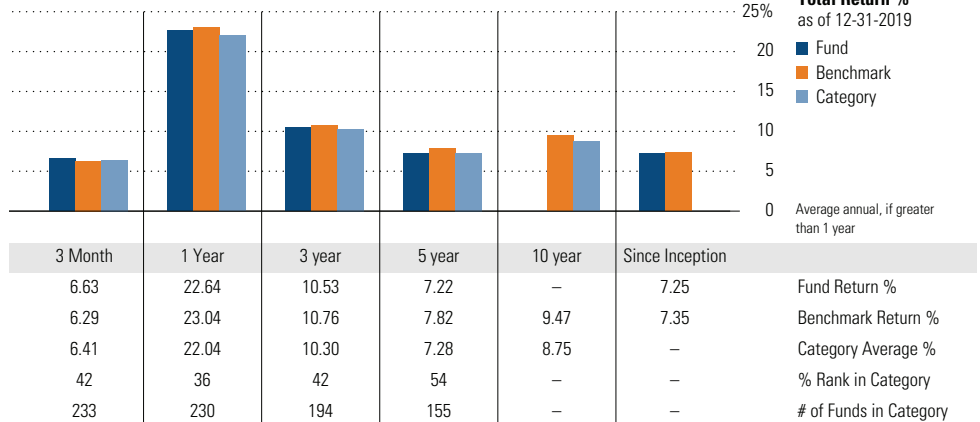
Growth of \$10,000



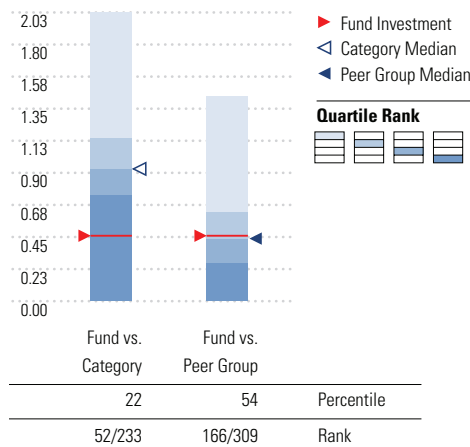
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

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	-0.38	-	-0.39
Beta	1.02	-	0.99
R-Squared	98.70	-	98.32
Standard Deviation	9.08	8.86	8.86
Sharpe Ratio	0.96	1.01	0.95
Tracking Error	1.04	-	1.27
Information Ratio	-0.23	-	-0.41
Up Capture Ratio	101.07	-	97.98
Down Capture Ratio	105.39	-	101.65

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.60	17.52	18.00
Price/Book Ratio	2.17	2.08	2.24
Avg Eff Duration	5.32	-	5.90

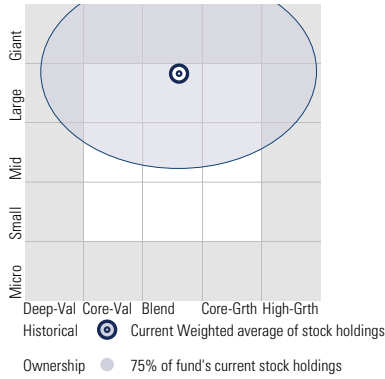
JPMorgan SmartRetirement® 2035 R6 SRJYX

Morningstar Category
Target-Date 2035

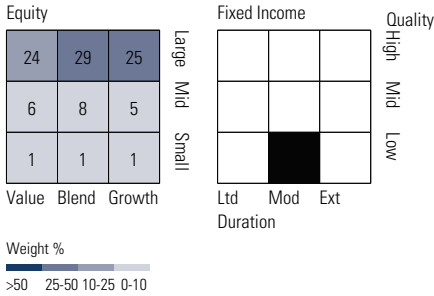
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 12-31-2019

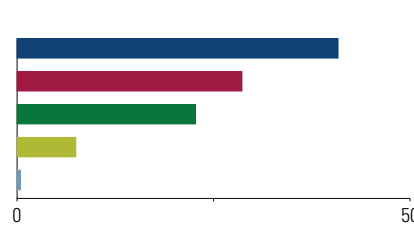
Morningstar Style Box™



Style Breakdown

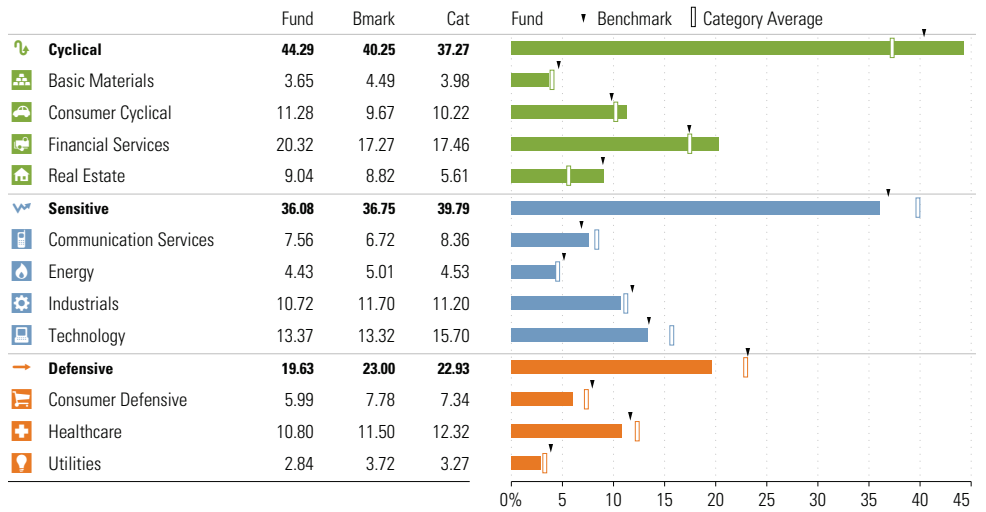


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	40.83	45.41
Non-US Stocks	28.60	24.50
Bonds	22.70	18.38
Cash	7.46	2.74
Other	0.42	8.97
Total	100.00	100.00

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
⊕ JPMorgan Core Plus Bond R6	—	13.77	13.77	—	—
⊕ JPMorgan Value Advantage R6	—	11.63	25.40	—	—
⊕ JPMorgan US Equity R6	—	9.23	34.63	—	—
⊖ JPMorgan International Uncons Eq R6	—	9.17	43.80	—	—
⊕ JPMorgan International Rsrch Enh Eq R6	—	8.89	52.69	—	—
⊕ JPMorgan Growth Advantage R6	—	7.62	60.31	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	7.21	67.52	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	5.96	73.48	—	—
⊕ JPMorgan International Advantage R6	—	4.89	78.37	—	—
⊕ JPMorgan Core Bond R6	—	4.59	82.96	—	—

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2040 R6 SMTYX

Morningstar Category
Target-Date 2040

Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Portfolio Manager(s)

Anne Lester since 05-2006
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2040 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.64 years.

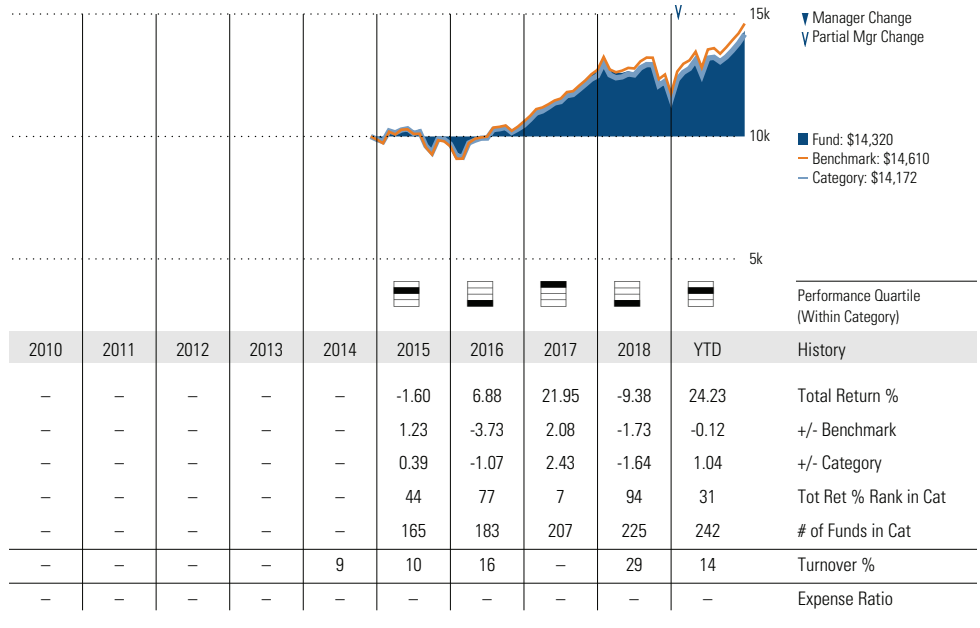
✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 40.51% lower than the Target-Date 2040 category average.

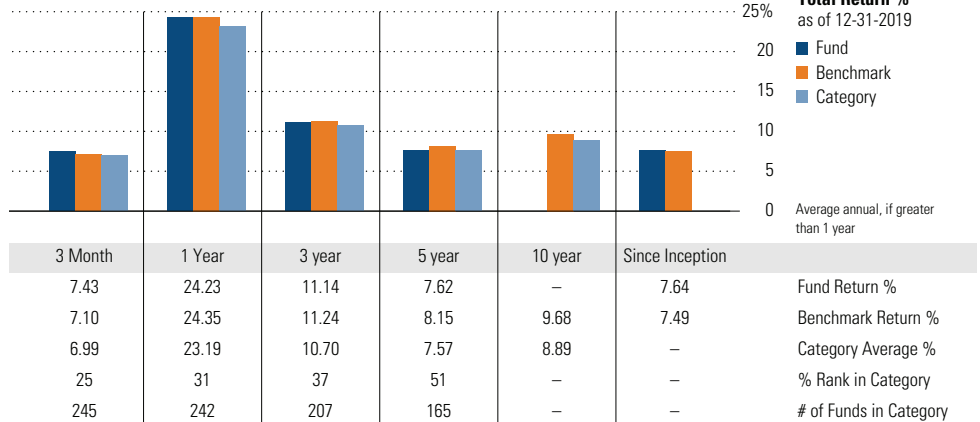
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

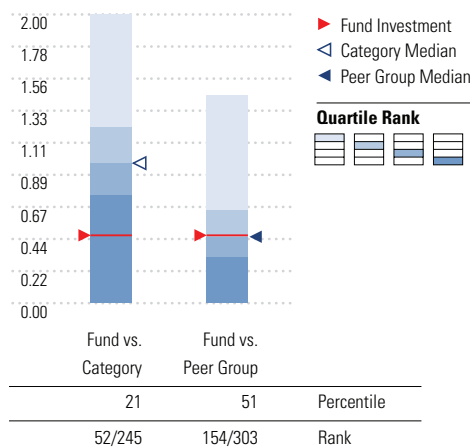
Growth of \$10,000



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	-0.20	-	-0.20
Beta	1.01	-	0.96
R-Squared	98.81	-	96.84
Standard Deviation	9.97	9.80	9.53
Sharpe Ratio	0.94	0.96	0.92
Tracking Error	1.09	-	1.50
Information Ratio	-0.09	-	-0.40
Up Capture Ratio	101.10	-	95.45
Down Capture Ratio	103.48	-	97.29

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	17.44	17.85
Price/Book Ratio	2.16	2.06	2.20
Avg Eff Duration	5.18	-	5.93

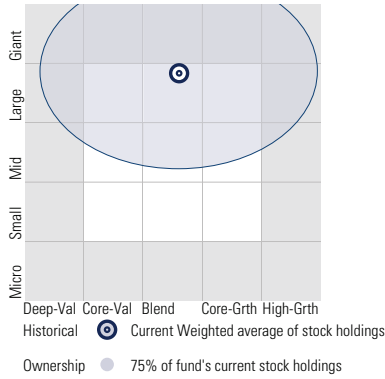
JPMorgan SmartRetirement® 2040 R6 SMTYX

Morningstar Category
Target-Date 2040

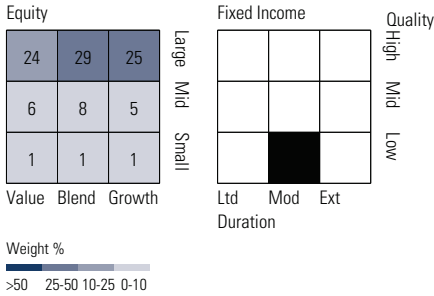
Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 12-31-2019

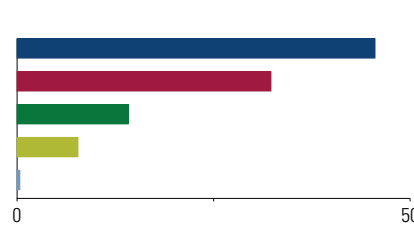
Morningstar Style Box™



Style Breakdown

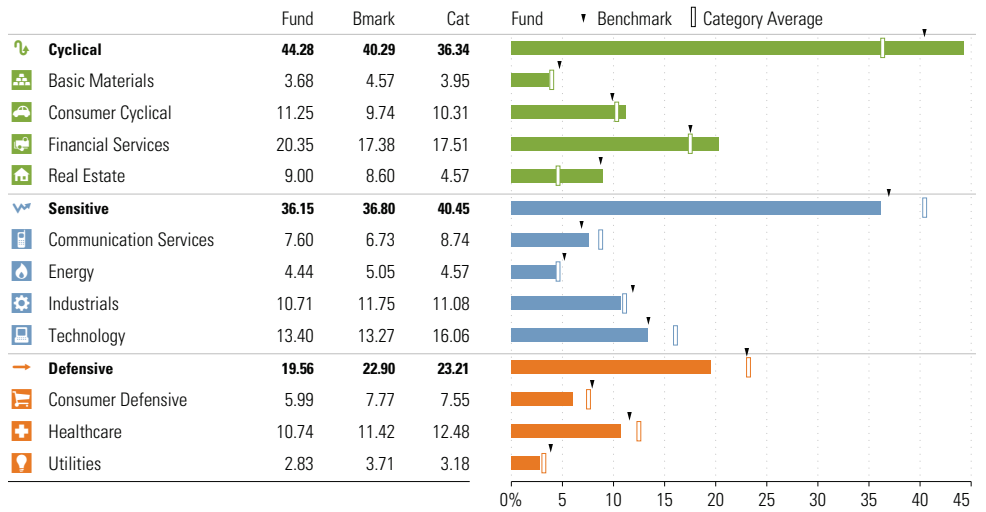


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	45.53	38.04
Non-US Stocks	32.29	19.96
Bonds	14.13	5.97
Cash	7.74	1.63
Other	0.34	34.41
Total	100.00	100.00

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
⊕ JPMorgan Value Advantage R6	—	12.72	12.72	—	—
⊕ JPMorgan International Uncons Eq R6	—	10.46	23.18	—	—
⊕ JPMorgan US Equity R6	—	10.27	33.45	—	—
⊕ JPMorgan International Rsrch Enh Eq R6	—	9.66	43.11	—	—
⊕ JPMorgan Growth Advantage R6	—	8.52	51.63	—	—
⊕ JPMorgan US Research Enhanced Equity R6	—	8.39	60.02	—	—
⊕ JPMorgan Core Plus Bond R6	—	7.91	67.94	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	6.86	74.79	—	—
⊕ JPMorgan International Advantage R6	—	5.67	80.47	—	—
⊕ JPMorgan US Government MMkt IM	12-2049	4.82	85.29	—	—

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2045 R6 JSAYX

Morningstar Category
Target-Date 2045

Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Portfolio Manager(s)

Anne Lester since 07-2007
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2045 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.43 years.

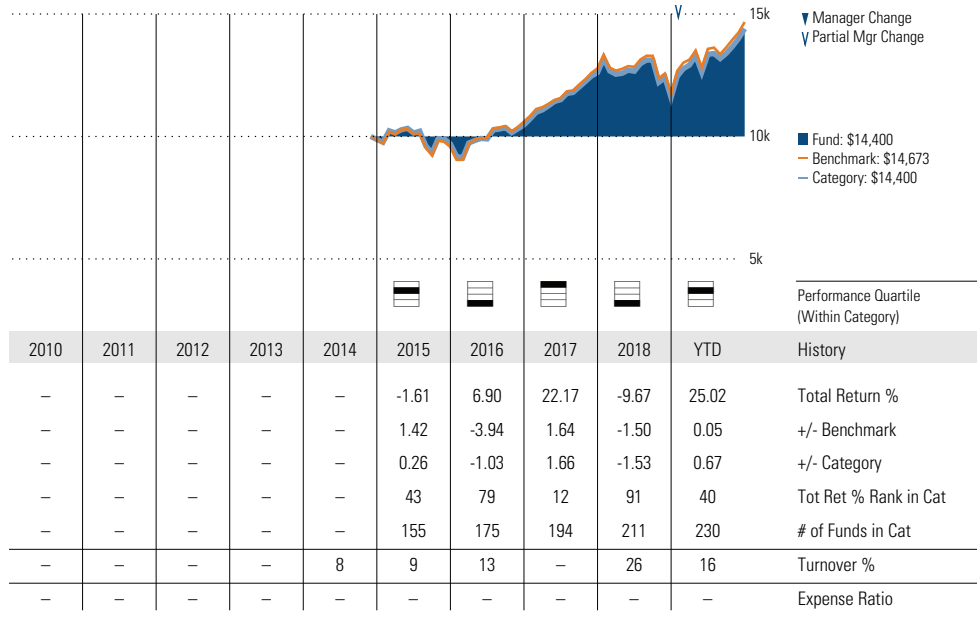
✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 38.96% lower than the Target-Date 2045 category average.

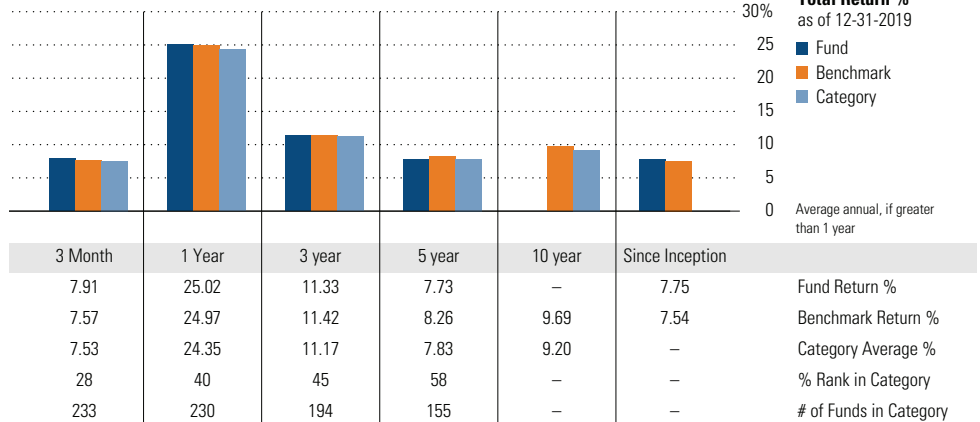
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

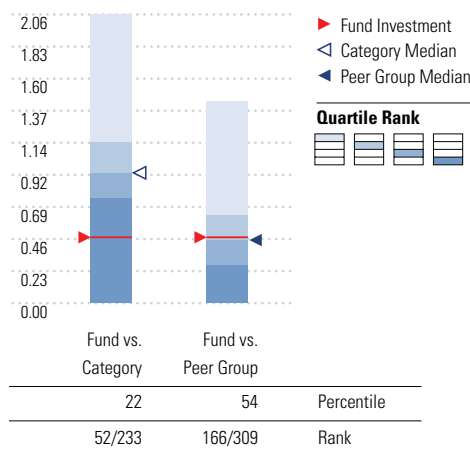
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.12	-	-0.12
Beta	1.00	-	0.98
R-Squared	98.96	-	98.54
Standard Deviation	10.37	10.28	10.17
Sharpe Ratio	0.92	0.94	0.92
Tracking Error	1.06	-	1.28
Information Ratio	-0.09	-	-0.30
Up Capture Ratio	100.48	-	97.85
Down Capture Ratio	102.00	-	98.82

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.61	17.36	18.17
Price/Book Ratio	2.16	2.04	2.23
Avg Eff Duration	4.91	-	5.97

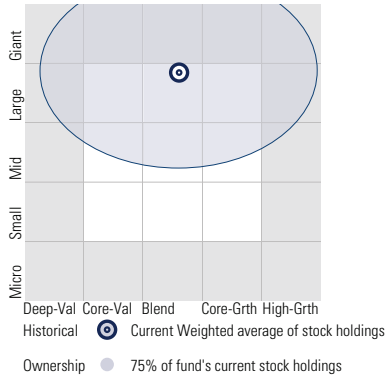
JPMorgan SmartRetirement® 2045 R6 JSAYX

Morningstar Category
Target-Date 2045

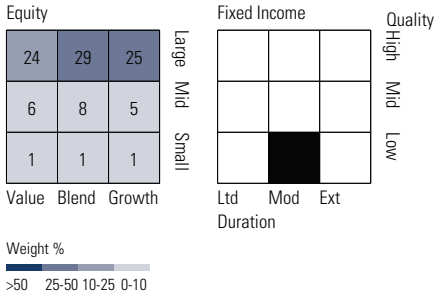
Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 12-31-2019

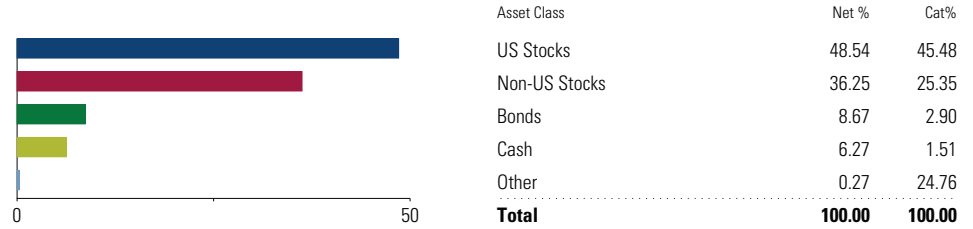
Morningstar Style Box™



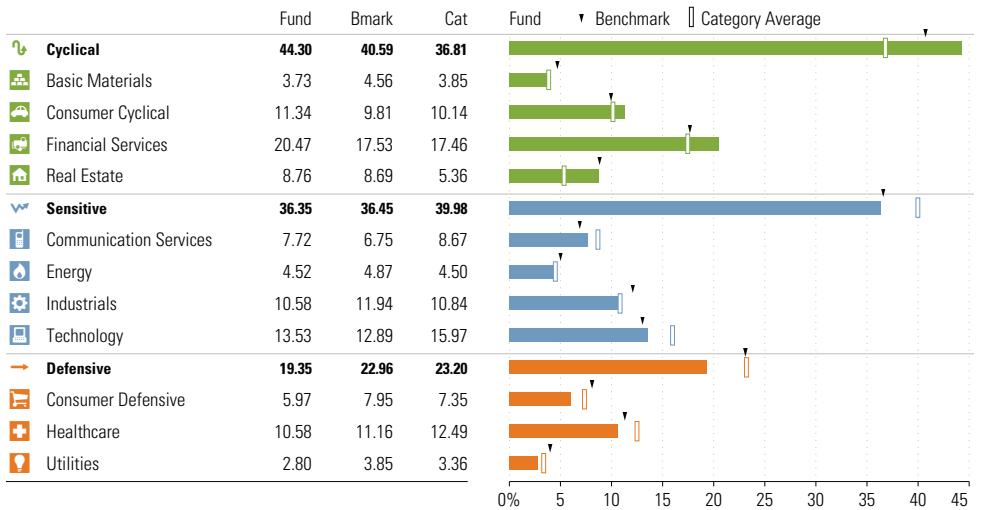
Style Breakdown



Asset Allocation as of 12-31-2019



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
⊕ JPMorgan Value Advantage R6	—	13.66	13.66	—	—
⊕ JPMorgan International Uncons Eq R6	—	11.04	24.69	—	—
⊕ JPMorgan US Equity R6	—	10.86	35.55	—	—
⊕ JPMorgan International Rsrch Enh Eq R6	—	10.06	45.61	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	9.42	55.03	—	—
⊕ JPMorgan Growth Advantage R6	—	9.12	64.15	—	—
⊕ JPMorgan US Research Enhanced Equity R6	—	8.95	73.09	—	—
⊕ JPMorgan International Advantage R6	—	6.12	79.21	—	—
⊕ JPMorgan Core Plus Bond R6	—	4.31	83.52	—	—
⊕ JPMorgan Realty Income R6	—	3.79	87.31	—	—

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2050 R6 JTSYX

Morningstar Category
Target-Date 2050

Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Portfolio Manager(s)

Anne Lester since 07-2007
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

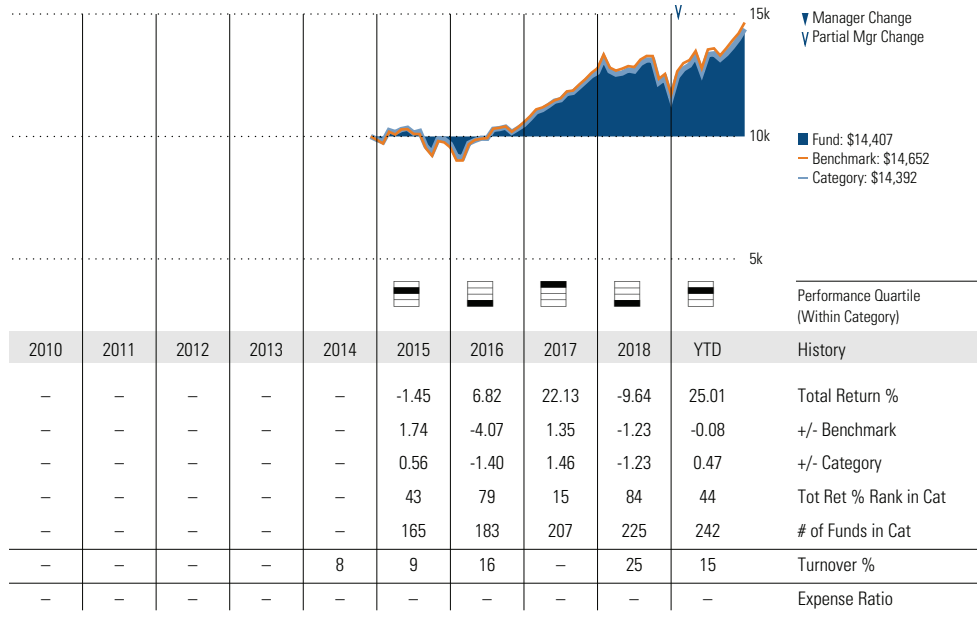
✗ **Performance:** The fund has finished in the Target-Date 2050 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.43 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 41.25% lower than the Target-Date 2050 category average.

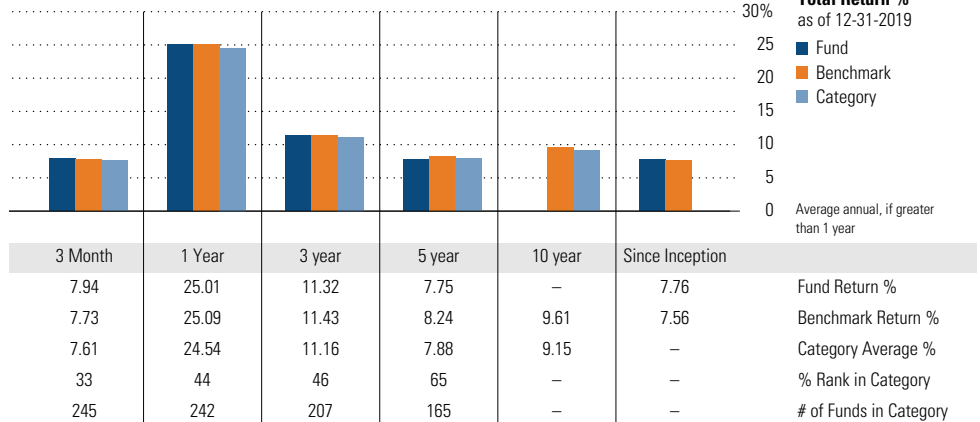
Growth of \$10,000



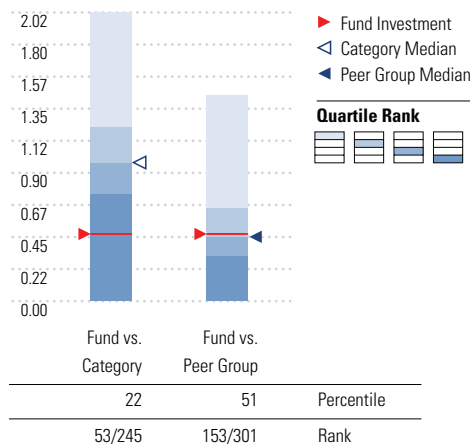
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.04	-	-0.09
Beta	0.99	-	0.97
R-Squared	98.97	-	96.89
Standard Deviation	10.33	10.42	10.26
Sharpe Ratio	0.93	0.93	0.90
Tracking Error	1.06	-	1.51
Information Ratio	-0.11	-	-0.25
Up Capture Ratio	99.48	-	96.94
Down Capture Ratio	99.99	-	97.82

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.66	17.28	18.03
Price/Book Ratio	2.17	2.02	2.21
Avg Eff Duration	4.91	-	5.96

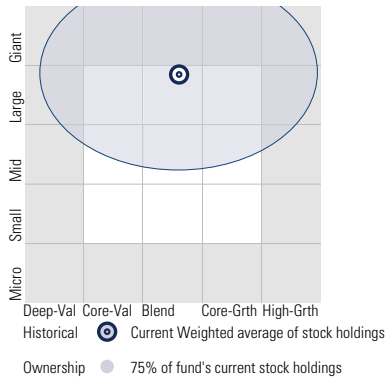
JPMorgan SmartRetirement® 2050 R6 JTSYX

Morningstar Category
Target-Date 2050

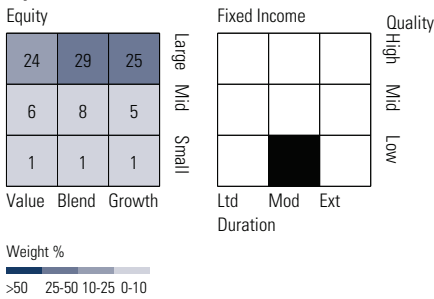
Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 12-31-2019

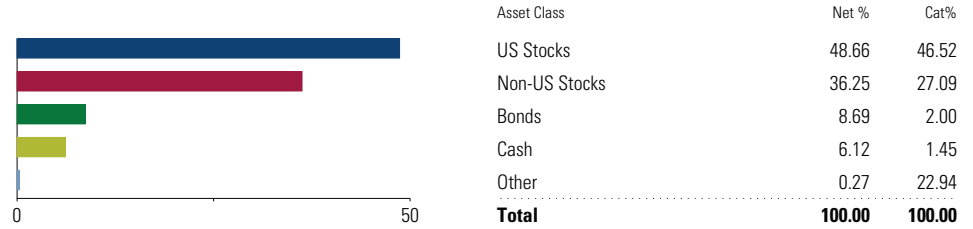
Morningstar Style Box™



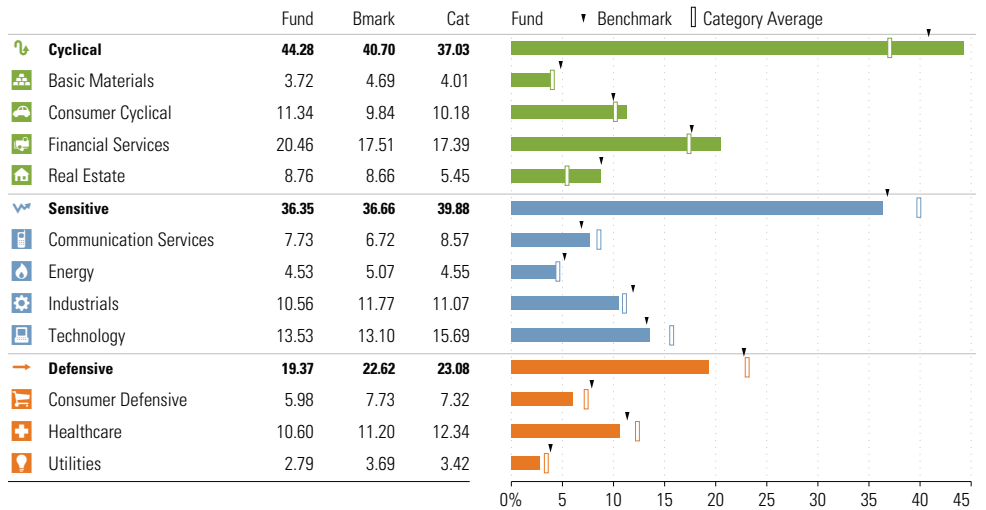
Style Breakdown



Asset Allocation as of 12-31-2019



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
⊕ JPMorgan Value Advantage R6	—	13.65	13.65	—	—
⊕ JPMorgan US Equity R6	—	11.06	24.71	—	—
⊕ JPMorgan International Uncons Eq R6	—	11.04	35.75	—	—
⊕ JPMorgan International Rsrch Enh Eq R6	—	10.06	45.81	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	9.41	55.22	—	—
⊕ JPMorgan Growth Advantage R6	—	9.07	64.29	—	—
⊕ JPMorgan US Research Enhanced Equity R6	—	8.96	73.25	—	—
⊕ JPMorgan International Advantage R6	—	6.12	79.37	—	—
⊕ JPMorgan Core Plus Bond R6	—	4.31	83.68	—	—
⊕ JPMorgan Realty Income R6	—	3.79	87.47	—	—

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2055 R6 JFFYX

Morningstar Category
Target-Date 2055

Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Portfolio Manager(s)

Anne Lester since 01-2012
Daniel Oldroyd since 01-2012
Jeffrey Geller since 01-2012
Silvia Trillo since 02-2019

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 3 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 7.92 years.

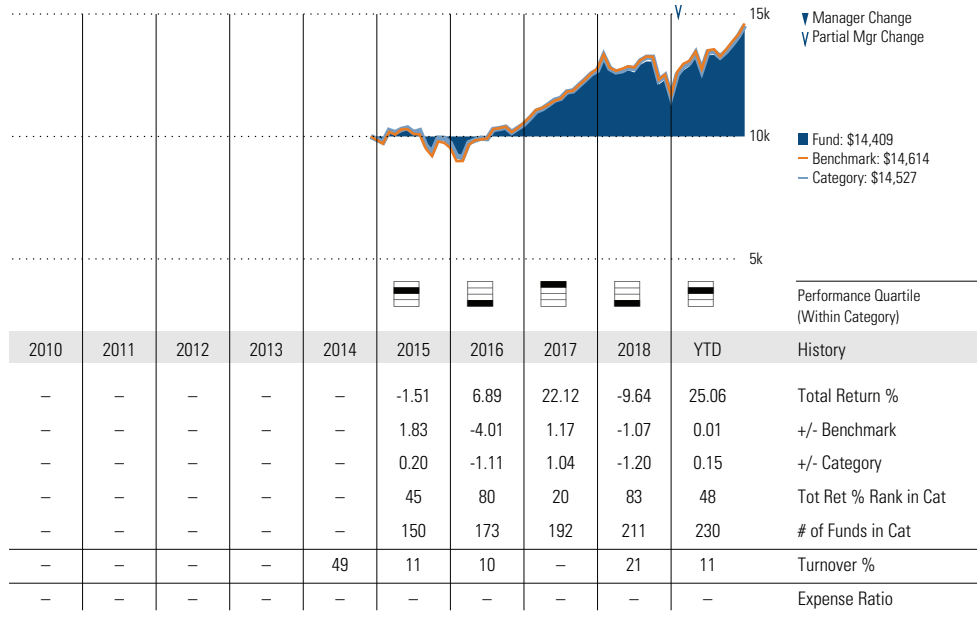
✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 38.96% lower than the Target-Date 2055 category average.

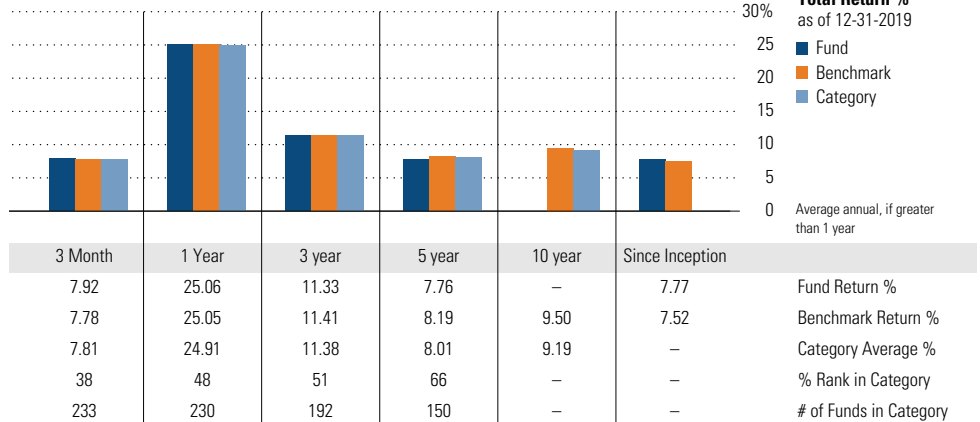
Morningstar Investment Management LLC Analysis

This fund fails our performance consistency screen, but this share class lacks the longer track record of other funds in the series, and we have no concerns about this fund's long-term performance profile.

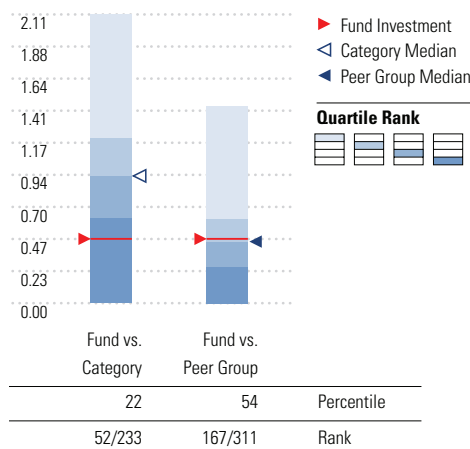
Growth of \$10,000



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	0.10	-	-0.04
Beta	0.98	-	0.99
R-Squared	99.02	-	98.53
Standard Deviation	10.34	10.45	10.46
Sharpe Ratio	0.93	0.92	0.91
Tracking Error	1.04	-	1.30
Information Ratio	-0.08	-	-0.14
Up Capture Ratio	99.44	-	99.24
Down Capture Ratio	99.59	-	99.74

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.57	17.19	17.92
Price/Book Ratio	2.16	2.00	2.19
Avg Eff Duration	4.39	-	5.95

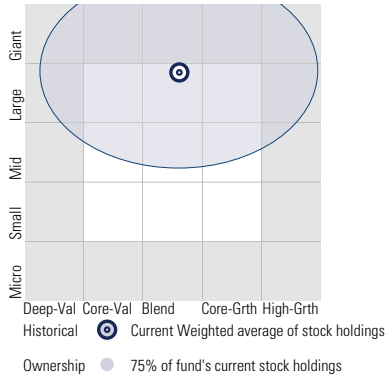
JPMorgan SmartRetirement® 2055 R6 JFFYX

Morningstar Category
Target-Date 2055

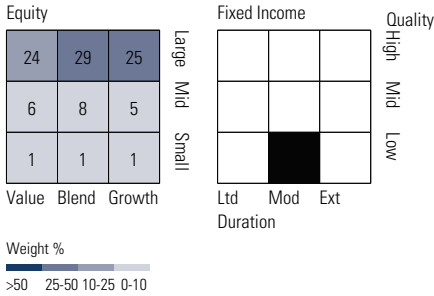
Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 12-31-2019

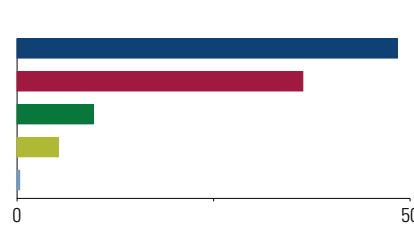
Morningstar Style Box™



Style Breakdown

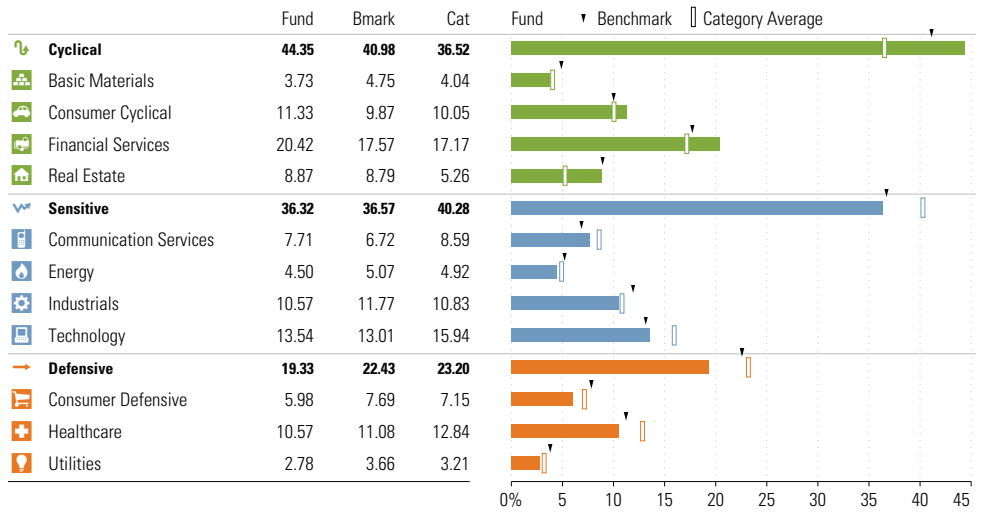


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	48.39	50.49
Non-US Stocks	36.35	29.63
Bonds	9.67	3.70
Cash	5.24	2.09
Other	0.33	14.08
Total	100.00	100.00

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
⊕ JPMorgan Value Advantage R6	-	13.41	13.41	-	-
⊕ JPMorgan International Uncons Eq R6	-	11.15	24.55	-	-
⊕ JPMorgan US Equity R6	-	10.88	35.44	-	-
⊕ JPMorgan International Rsrch Enh Eq R6	-	10.20	45.64	-	-
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	9.36	55.00	-	-
⊕ JPMorgan Growth Advantage R6	-	9.16	64.17	-	-
⊕ JPMorgan US Research Enhanced Equity R6	-	8.93	73.09	-	-
⊕ JPMorgan International Advantage R6	-	6.04	79.13	-	-
⊕ JPMorgan Core Plus Bond R6	-	4.25	83.38	-	-
⊕ JPMorgan Realty Income R6	-	3.91	87.29	-	-

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2060 R6 JAKYX

Morningstar Category
Target-Date 2060+

Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Portfolio Manager(s)

Jeffrey Geller since 08-2016
Anne Lester since 08-2016
Daniel Oldroyd since 08-2016
Silvia Trillo since 02-2019

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060+ 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 3.33 years.

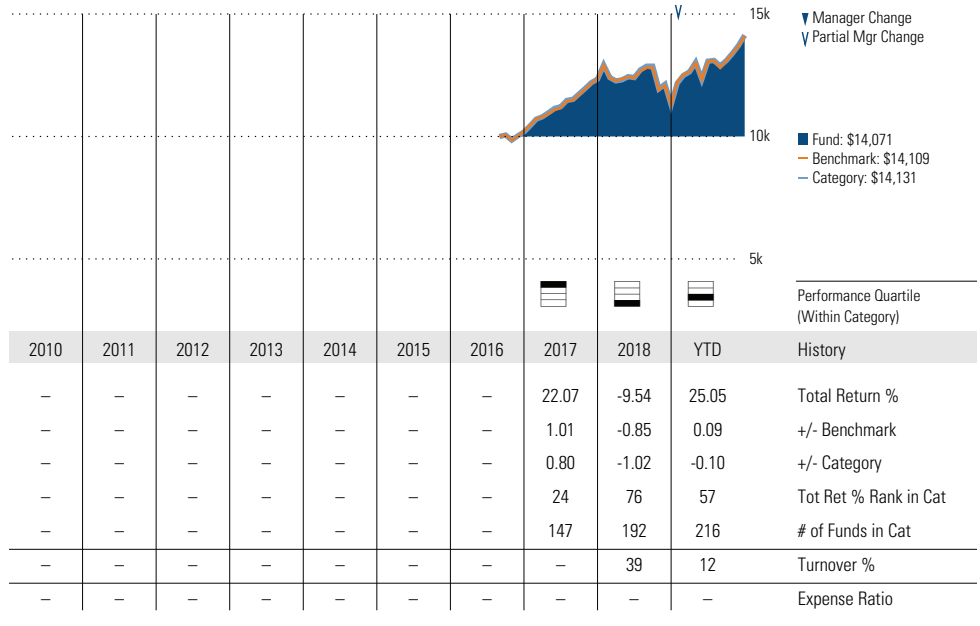
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.46 is 41.03% lower than the Target-Date 2060+ category average.

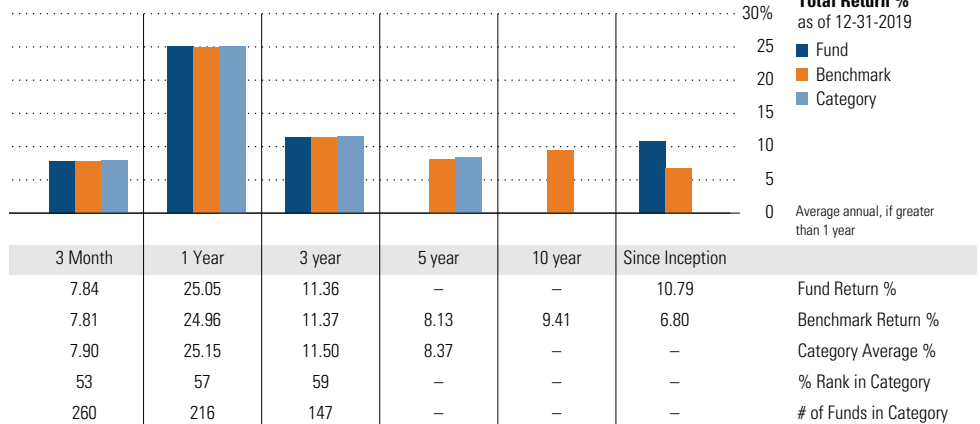
Morningstar Investment Management LLC Analysis

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.

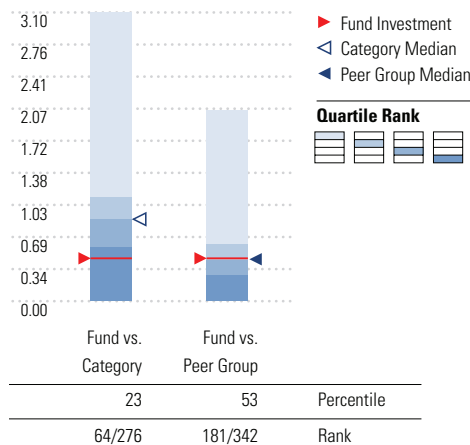
Growth of \$10,000



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	0.11	-	0.08
Beta	0.99	-	1.00
R-Squared	99.06	-	98.42
Standard Deviation	10.38	10.45	10.53
Sharpe Ratio	0.92	0.92	0.92
Tracking Error	1.01	-	1.36
Information Ratio	-0.01	-	0.01
Up Capture Ratio	99.82	-	100.30
Down Capture Ratio	99.73	-	99.99

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	-	17.12	-
Price/Book Ratio	-	1.99	-
Avg Eff Duration	4.52	-	5.81

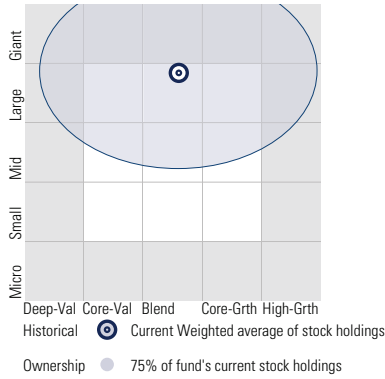
JPMorgan SmartRetirement® 2060 R6 JAKYX

Morningstar Category
Target-Date 2060+

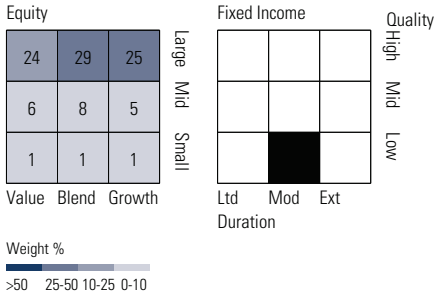
Morningstar Index
Morningstar Lifetime Mod 2060 TR USD

Style Analysis as of 12-31-2019

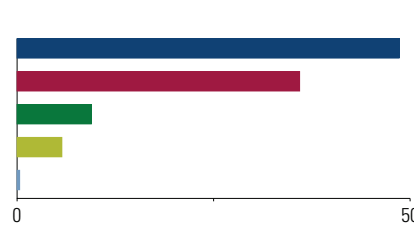
Morningstar Style Box™



Style Breakdown

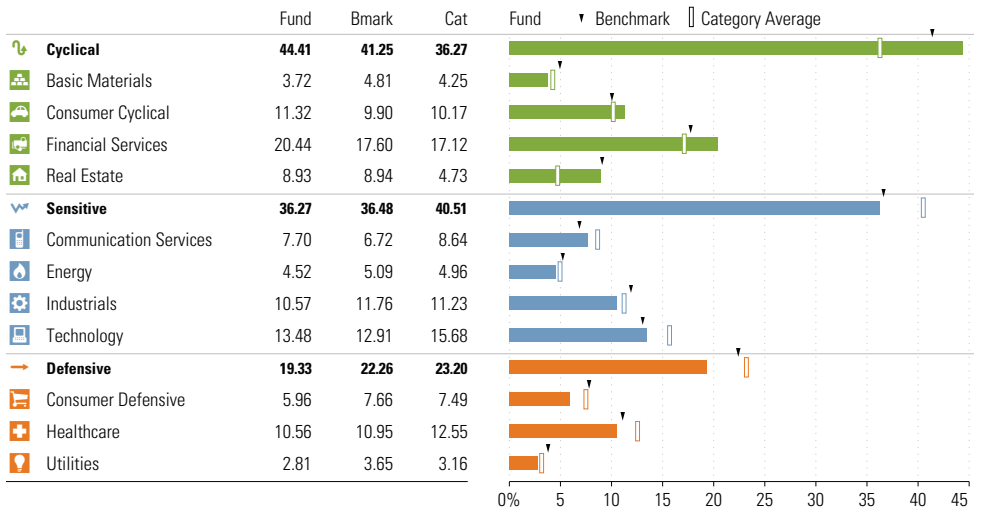


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	48.60	46.50
Non-US Stocks	35.94	29.14
Bonds	9.44	4.64
Cash	5.69	1.90
Other	0.32	17.81
Total	100.00	100.00

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
⊕ JPMorgan Value Advantage R6	—	13.65	13.65	—	—
⊕ JPMorgan US Equity R6	—	10.93	24.58	—	—
⊕ JPMorgan International Uncons Eq R6	—	10.83	35.41	—	—
⊕ JPMorgan International Rsrch Enh Eq R6	—	10.03	45.45	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	9.24	54.68	—	—
⊕ JPMorgan Growth Advantage R6	—	9.00	63.69	—	—
⊕ JPMorgan US Research Enhanced Equity R6	—	8.90	72.58	—	—
⊕ JPMorgan International Advantage R6	—	6.23	78.81	—	—
⊕ JPMorgan Core Plus Bond R6	—	4.29	83.10	—	—
⊕ JPMorgan Realty Income R6	—	3.82	86.92	—	—

Total Holdings 21

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® Income R6 JSIYX

Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Portfolio Manager(s)

Anne Lester since 05-2006
Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019

Quantitative Screens

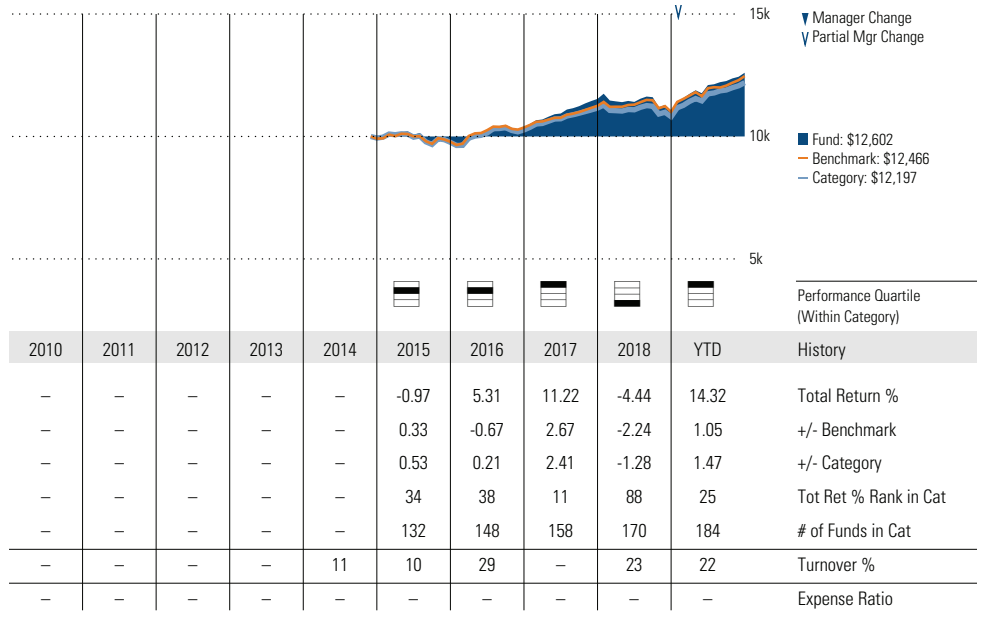
✔ **Performance:** The fund has finished in the Target-Date Retirement category's top three quartiles in 4 of the 5 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.64 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 97.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.42 is 44.74% lower than the Target-Date Retirement category average.

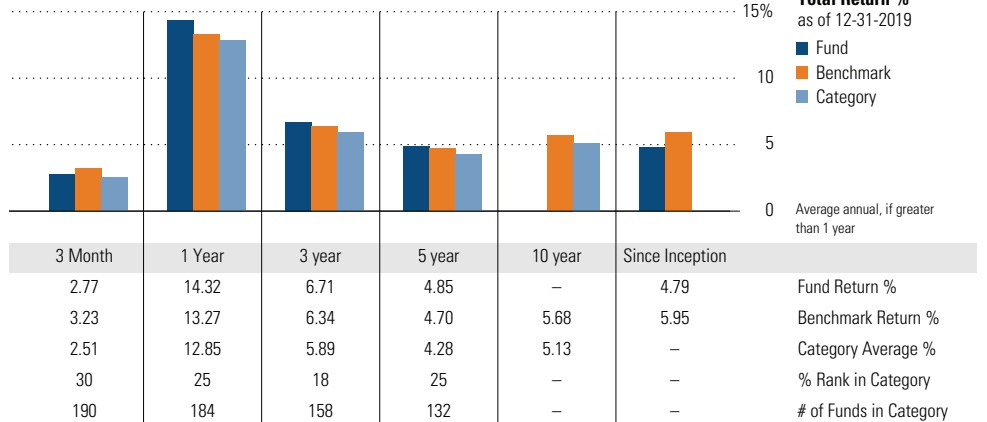
Growth of \$10,000



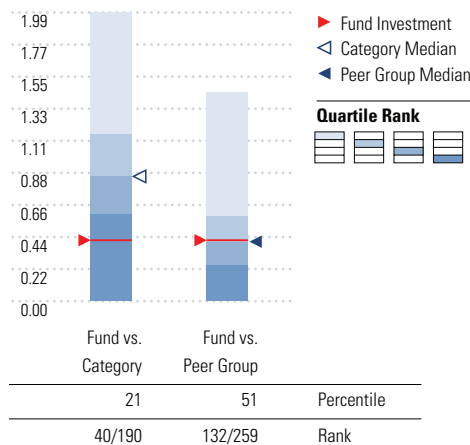
Morningstar Investment Management LLC Analysis

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

Metric	Fund	Bmark	Cat
Alpha	-0.26	-	-0.14
Beta	1.10	-	0.93
R-Squared	95.37	-	89.51
Standard Deviation	4.61	4.09	4.02
Sharpe Ratio	1.06	1.10	0.99
Tracking Error	1.07	-	1.43
Information Ratio	0.34	-	-0.34
Up Capture Ratio	106.44	-	89.67
Down Capture Ratio	108.00	-	86.61

Portfolio Metrics

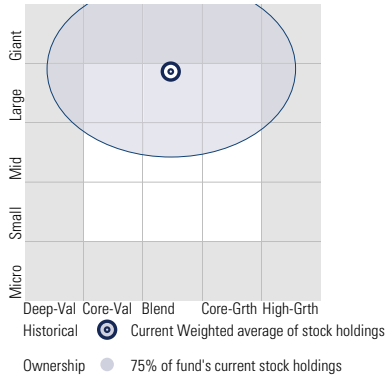
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.67	18.03	17.72
Price/Book Ratio	2.15	2.24	2.19
Avg Eff Duration	4.54	-	5.84

JPMorgan SmartRetirement® Income R6 JSIYX

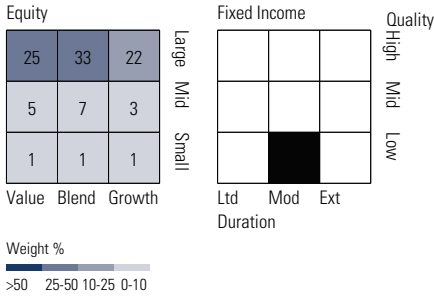
Morningstar Category
Target-Date Retirement

Morningstar Index
Morningstar Lifetime Mod Incm TR USD

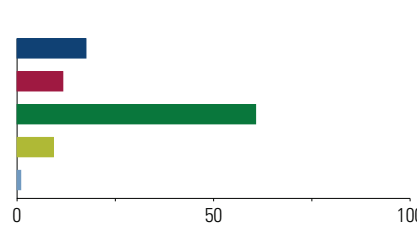
Style Analysis as of 12-31-2019
Morningstar Style Box™



Style Breakdown

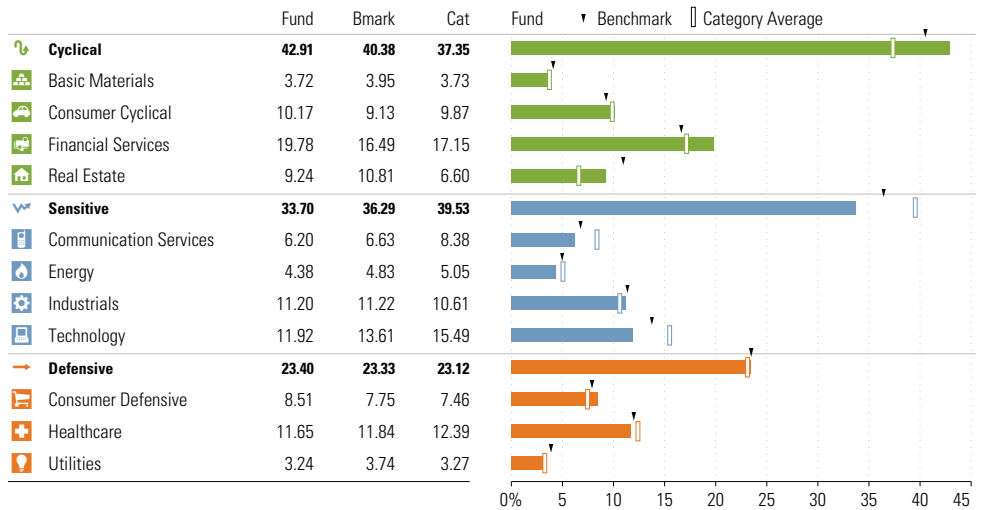


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	17.52	12.17
Non-US Stocks	11.63	5.37
Bonds	60.69	41.41
Cash	9.24	4.97
Other	0.92	36.08
Total	100.00	100.00

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
⊕ JPMorgan Core Bond R6	—	26.99	26.99	—	—
⊕ JPMorgan Short Duration Core Plus R6	—	14.61	41.60	—	—
⊕ JPMorgan US Equity R6	—	7.27	48.87	—	—
⊖ JPMorgan Equity Income R6	—	7.16	56.03	—	—
⊕ JPMorgan High Yield R6	—	6.71	62.74	—	—
⊖ JPMorgan US Government MMkt IM	12-2049	6.29	69.03	—	—
⊕ JPMorgan Inflation Managed Bond R6	—	5.03	74.06	—	—
⊖ JPMorgan International Equity R6	—	4.97	79.03	—	—
⊖ JPMorgan International Rsrch Enh Eq R6	—	3.47	82.50	—	—
iShares TIPS Bond ETF	—	2.59	85.09	—	—

Total Holdings 23

⊕ 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.

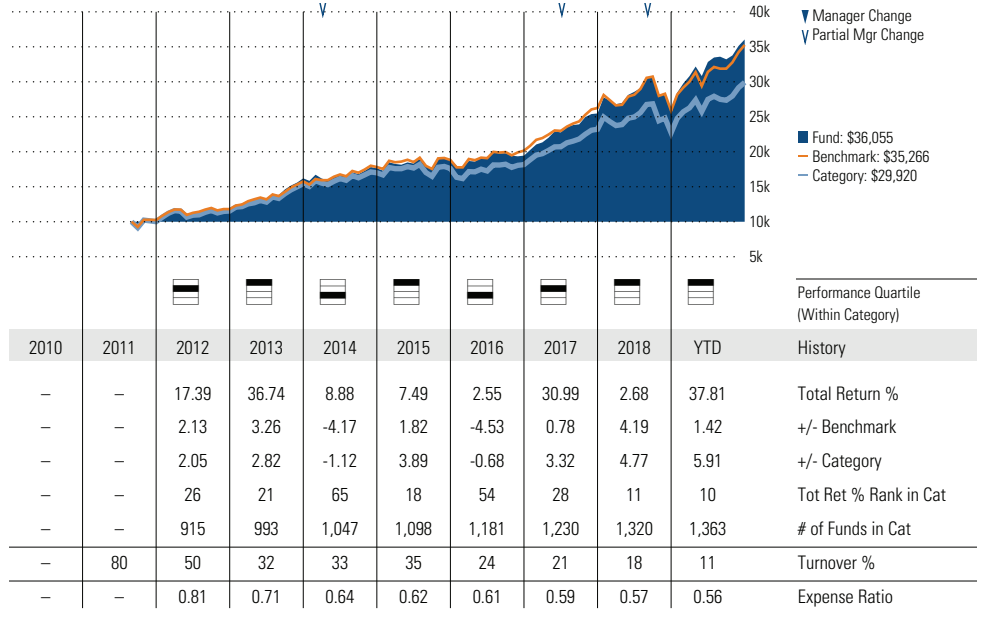
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

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

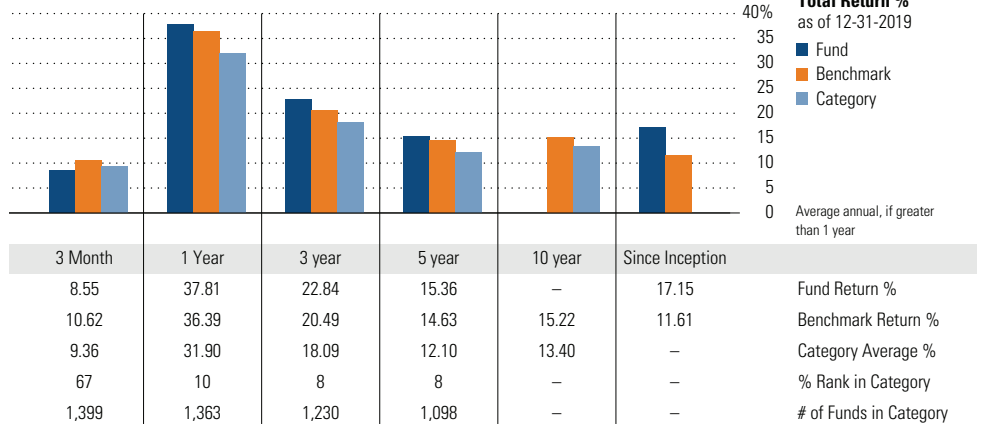
Morningstar Investment Management LLC Analysis

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.

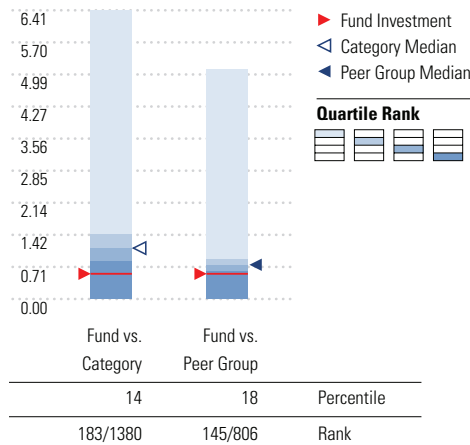
Growth of \$10,000



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

Metric	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

Metric	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

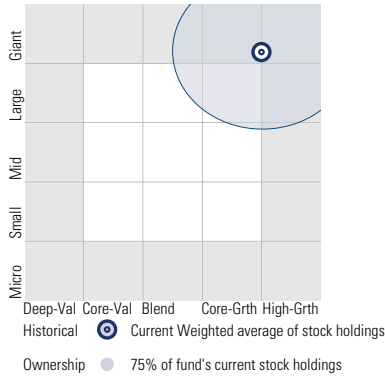
MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 12-31-2019

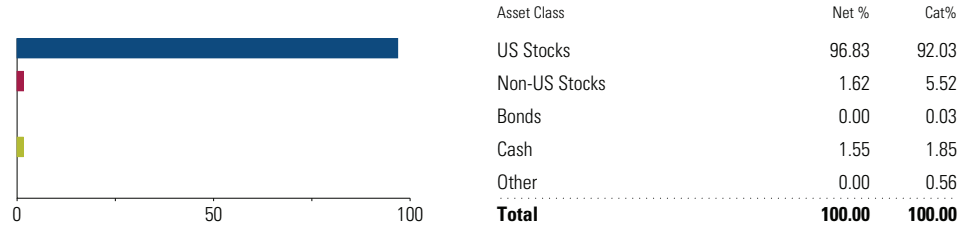
Morningstar Style Box™



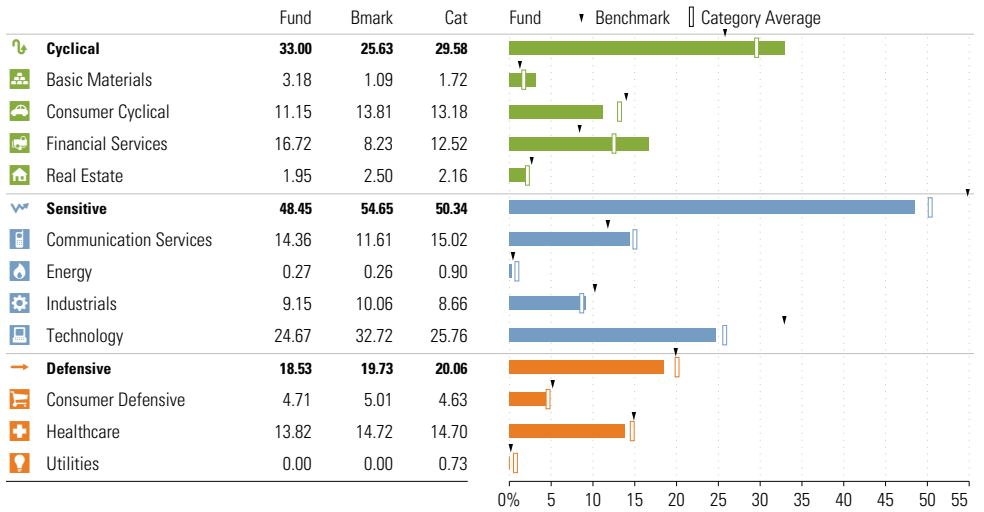
Style Breakdown



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

MFS Intl International Equity MIEIX

Morningstar Category
Foreign Large Growth

Morningstar Index
MSCI EAFE NR USD

Portfolio Manager(s)

Daniel Ling since 10-2009
Filipe Benzinho since 05-2016

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 10.25 years.

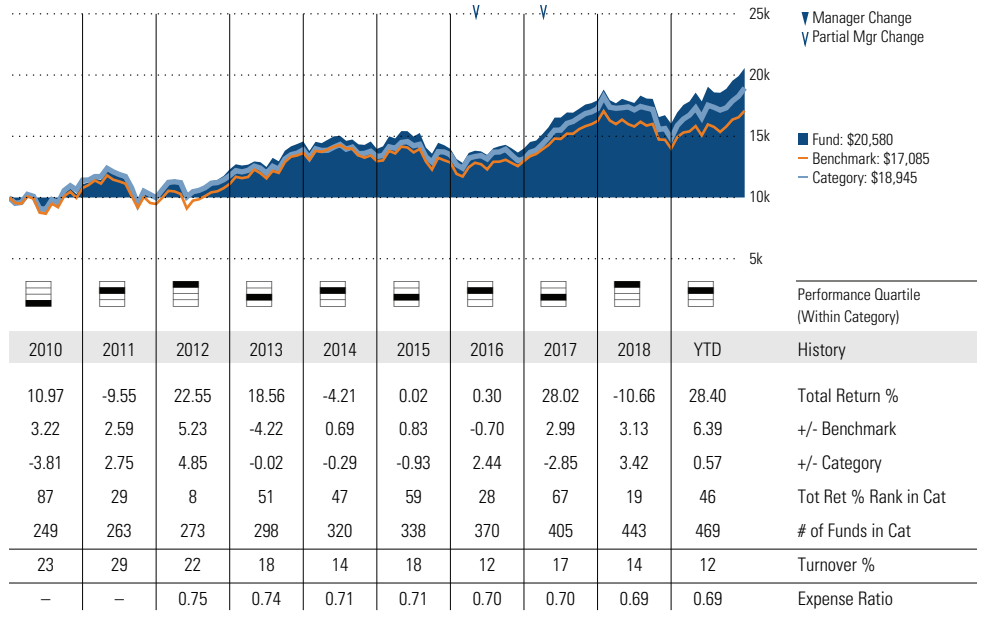
✔ **Style:** The fund has landed in its primary style box — Large Growth — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 37.84% lower than the Foreign Large Growth category average.

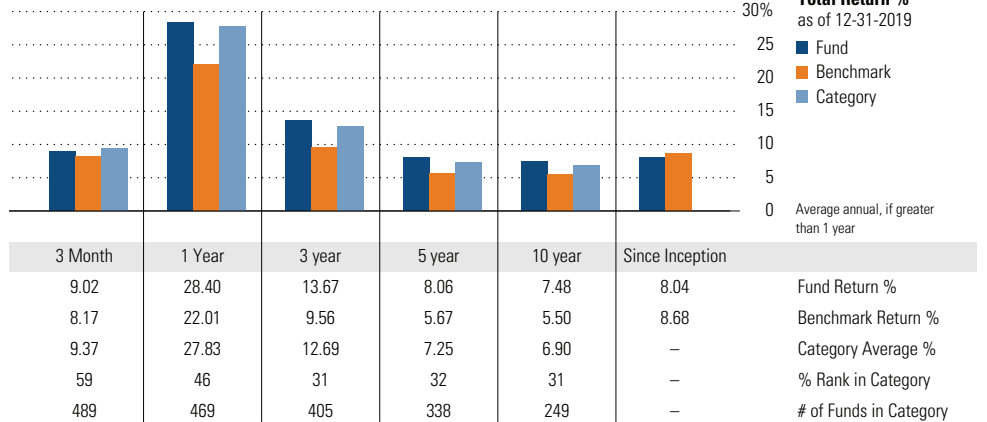
Morningstar Investment Management LLC Analysis

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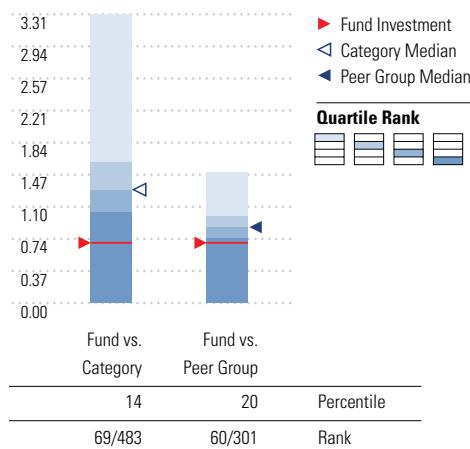
Growth of \$10,000



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

Metric	Fund	Bmark	Cat
Alpha	4.04	-	2.84
Beta	0.97	-	1.03
R-Squared	93.44	-	-
Standard Deviation	10.95	10.96	12.25
Sharpe Ratio	1.07	0.73	0.89
Tracking Error	2.83	-	4.87
Information Ratio	1.45	-	0.66
Up Capture Ratio	107.60	-	105.20
Down Capture Ratio	81.55	-	83.81

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.71	16.19	17.86
Price/Book Ratio	2.08	1.58	2.37
Geom Avg Mkt Cap \$B	36.95	35.93	31.37
ROE	20.23	15.50	19.30

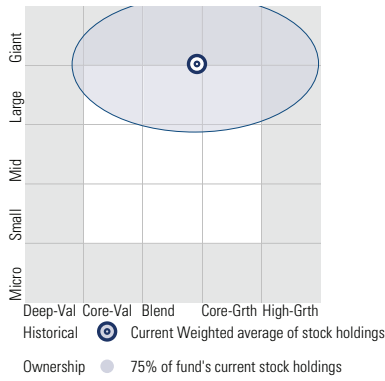
MFS Intl International Equity MIEIX

Morningstar Category
Foreign Large Growth

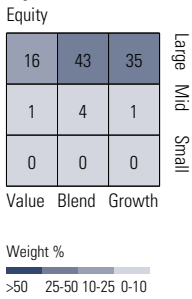
Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 12-31-2019

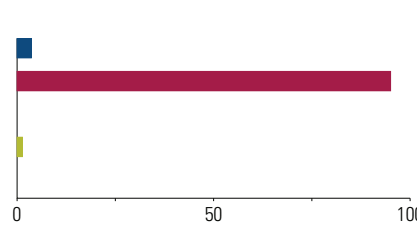
Morningstar Style Box™



Style Breakdown

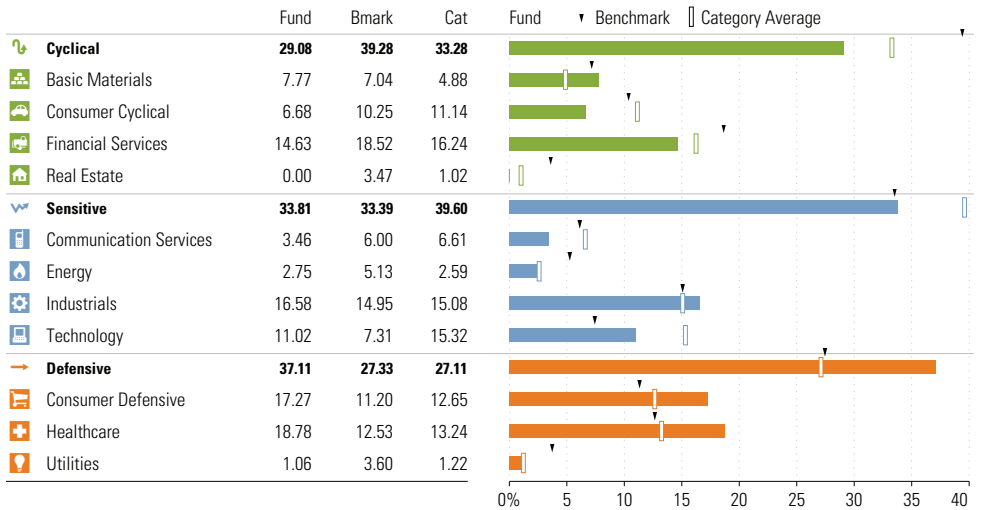


Asset Allocation as of 12-31-2019

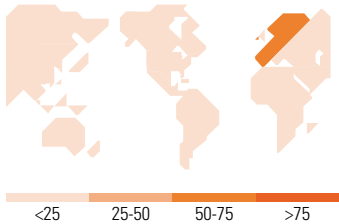


Asset Class	Net %	Cat%
US Stocks	3.61	8.42
Non-US Stocks	95.03	88.07
Bonds	0.00	0.04
Cash	1.36	3.11
Other	0.00	0.35
Total	100.00	100.00

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	24.47	31.55	Americas	7.53	15.11	Greater Europe	67.99	53.32	Developed Markets	95.46
Japan	14.75	13.98	North America	6.96	13.03	United Kingdom	12.70	11.74	Emerging Markets	4.54
Australasia	0.00	2.07	Central/Latin	0.57	2.08	W euro-ex UK	55.29	40.44	Not Available	0.00
Asia-4 Tigers	5.75	6.36				Emrgng Europe	0.00	0.45		
Asia-ex 4 Tigers	3.97	9.14				Africa	0.00	0.69		
Not Classified	0.00	0.00								

Top 10 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Nestle SA	3.88	3.88	34.37	Consumer Defensive
⊖ Roche Holding AG Dividend Right Cert.	3.17	7.04	32.58	Healthcare
⊖ Schneider Electric SE	2.88	9.93	57.15	Industrials
⊖ AIA Group Ltd	2.79	12.72	27.81	Financial Services
⊖ Air Liquide SA	2.72	15.43	30.45	Basic Materials
⊖ Hoya Corp	2.67	18.11	59.33	Healthcare
⊖ SAP SE	2.57	20.68	40.14	Technology
⊖ Amadeus IT Group SA A	2.19	22.87	21.59	Technology
⊖ LVMH Moet Hennessy Louis Vuitton SE	2.09	24.96	62.82	Consumer Cyclical
⊖ Bayer AG	2.04	27.00	24.85	Healthcare

Total Holdings 80

⊕ Increase ⊖ Decrease ✱ New to Portfolio

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
World Bond-USD Hedged

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

Andrew Balls since 09-2014

Lorenzo Pagani since 09-2014

Sachin Gupta since 09-2014

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 5.27 years.

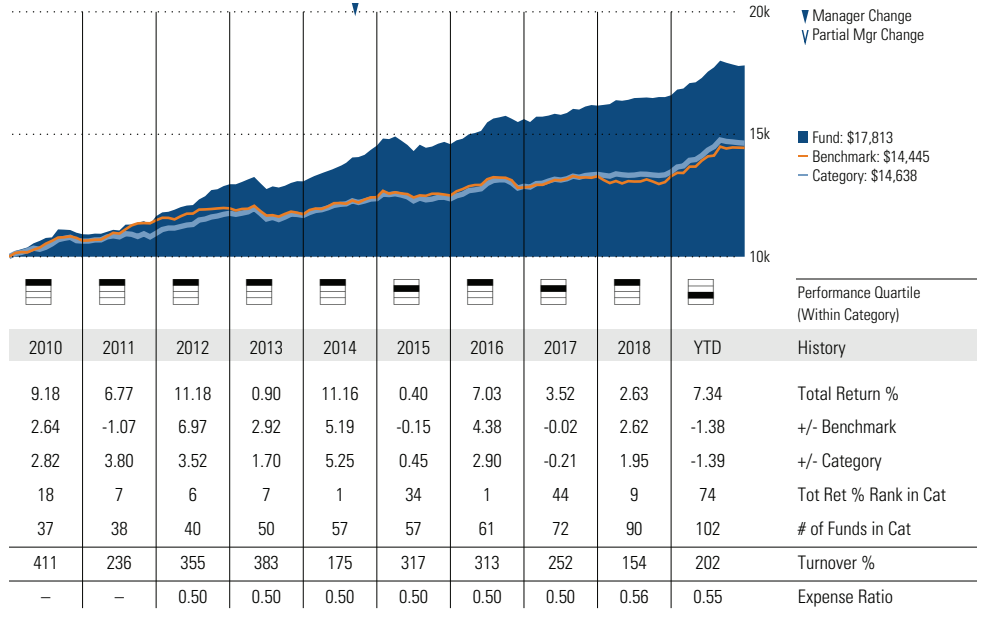
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.55 is 28.57% lower than the World Bond-USD Hedged category average.

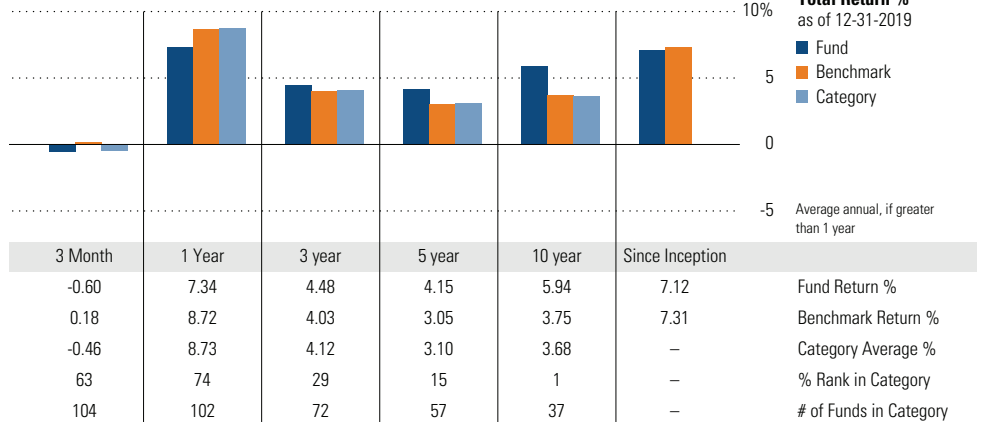
Morningstar Investment Management LLC Analysis

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.

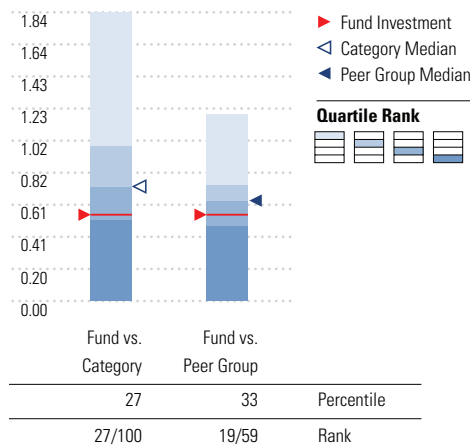
Growth of \$10,000



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	2.56	-	1.70
Beta	0.46	-	0.63
R-Squared	41.32	-	56.48
Standard Deviation	2.09	2.91	2.49
Sharpe Ratio	1.32	0.80	0.99
Tracking Error	2.24	-	2.01
Information Ratio	0.20	-	0.08
Up Capture Ratio	72.30	-	81.62
Down Capture Ratio	-5.02	-	32.39

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	8.39	4.43	-
Avg Eff Maturity	9.89	-	-

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
World Bond-USD Hedged

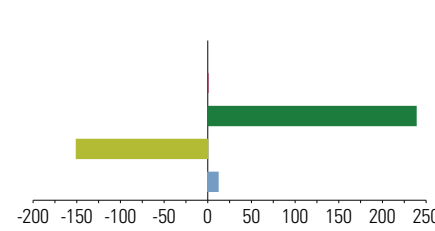
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	0.00	-
Non-US Stocks	0.03	-
Bonds	238.66	-
Cash	-150.60	-
Other	11.91	-
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	41.00	3.53	-
AA	24.00	74.59	-
A	8.00	10.82	-
BBB	20.00	8.32	-
BB	3.00	0.28	-
B	1.00	0.00	-
Below B	3.00	0.00	-
Not Rated	0.00	2.46	-

Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Government	51.86	44.03	-			
Treasury	7.67	34.51	-			
Inflation - Protected	1.34	0.00	-			
Agency/Quasi Agency	1.77	8.36	-			
Other Government Related	41.08	1.16	-			
Corporate	4.38	20.08	-			
Corporate Bond	3.57	19.42	-			
Bank Loan	0.13	0.64	-			
Convertible	0.68	0.00	-			
Preferred	0.00	0.02	-			
Securitized	8.51	29.67	-			
Agency MBS Pass-Through	5.10	27.43	-			
Agency MBS ARM	0.00	0.19	-			
Agency MBS CMO	0.04	0.00	-			
Non-Agency Residential MBS	0.45	0.42	-			
Commercial MBS	0.03	1.61	-			
Asset-Backed	1.60	0.02	-			
Covered Bond	1.29	0.00	-			
Municipal	0.03	0.76	-			
Cash & Equivalents	20.63	5.48	-			
Other	13.88	0.00	-			

Top 10 Holdings as of 12-31-2019

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Ois Usd Fedl01/1.8225 09/18/19 Lch	10-2019	64.86	64.86	-
⊕ Ois Usd Fedl01/1.8225 09/18/19 Lch	10-2019	64.86	129.72	-
⊕ Ois Usd Fedl01/1.852 09/18/19 Lch	10-2019	64.58	194.30	-
⊕ Ois Usd Fedl01/1.852 09/18/19 Lch	10-2019	64.58	258.87	-
Irs Usd R 3ml/1ml+9.125 03/18/21-22 Cme	03-2022	25.89	284.76	-
⊕ Irs Usd R 3ml/1ml+9.125 03/18/21-22 Cme	03-2022	25.89	310.65	-
⊕ EUR - USD_Receive	11-2019	21.48	332.12	-
⊕ EUR - USD_Pay	11-2019	21.33	353.46	-
⊕ Offset: Unsettled Trades	-	20.74	374.20	-
⊕ JAPANESE YEN_Receive	11-2019	11.98	386.18	-

Total Holdings 1628

⊕ Increase ⊖ Decrease ✱ New to Portfolio

PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

Jerome Schneider since 01-2011
Nathan Chiaverini since 04-2019
Andrew Wittkop since 04-2019

Quantitative Screens

✔ **Performance:** The fund has finished in the Ultrashort 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 9 years.

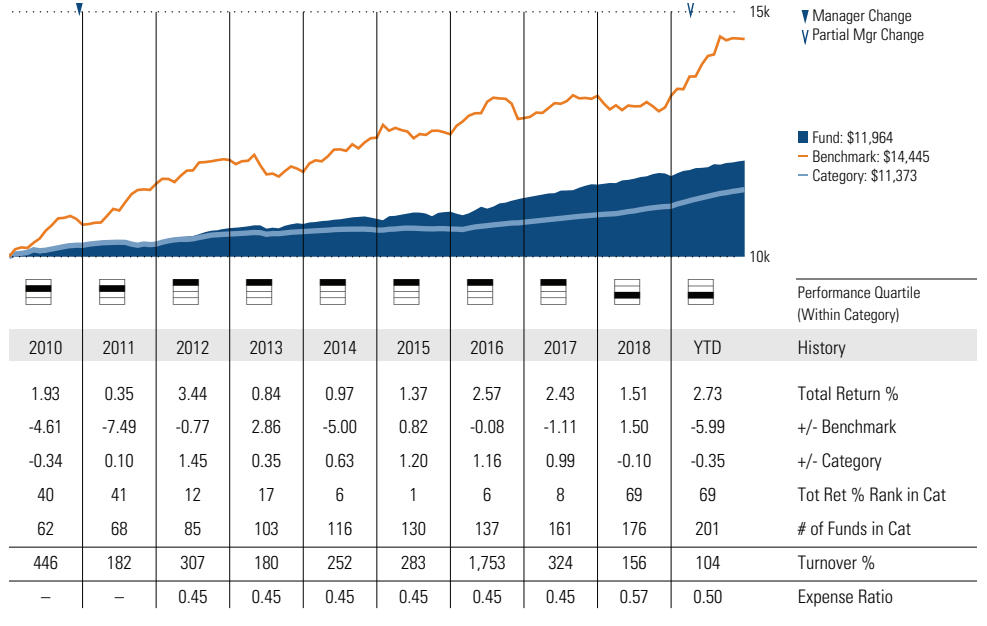
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.5 is 8.7% higher than the Ultrashort Bond category average.

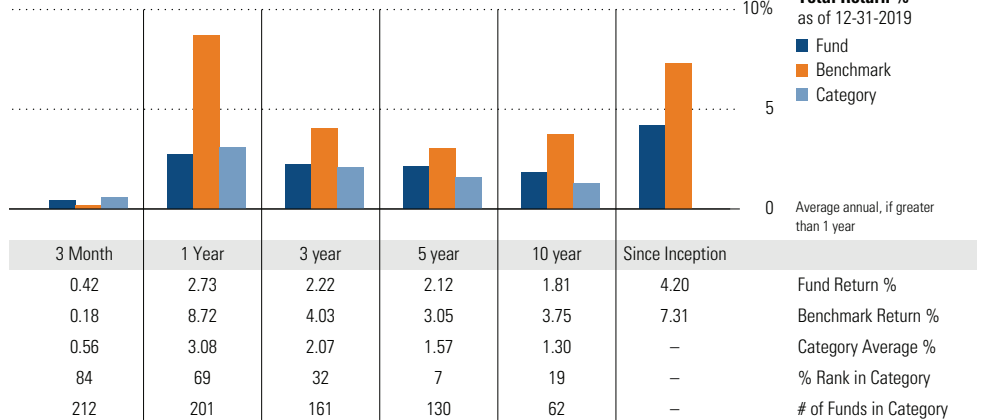
Morningstar Investment Management LLC Analysis

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

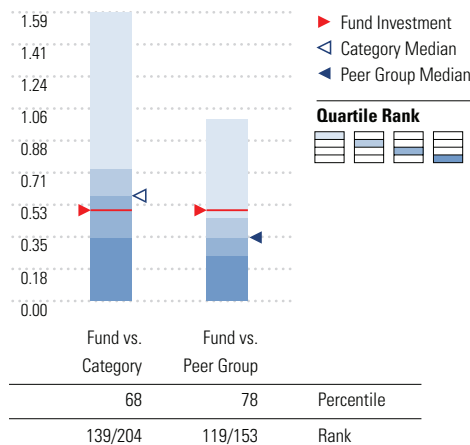
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	2.71	-	1.88
Beta	-0.13	-	0.04
R-Squared	27.90	-	16.38
Standard Deviation	0.70	2.91	0.40
Sharpe Ratio	0.69	0.80	0.86
Tracking Error	3.33	-	2.83
Information Ratio	-0.54	-	-0.70
Up Capture Ratio	15.16	-	23.27
Down Capture Ratio	-66.28	-	-33.04

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.03	4.43	0.89
Avg Eff Maturity	-	-	1.73

PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

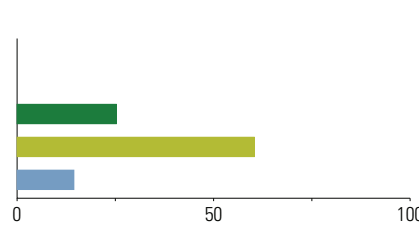
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019

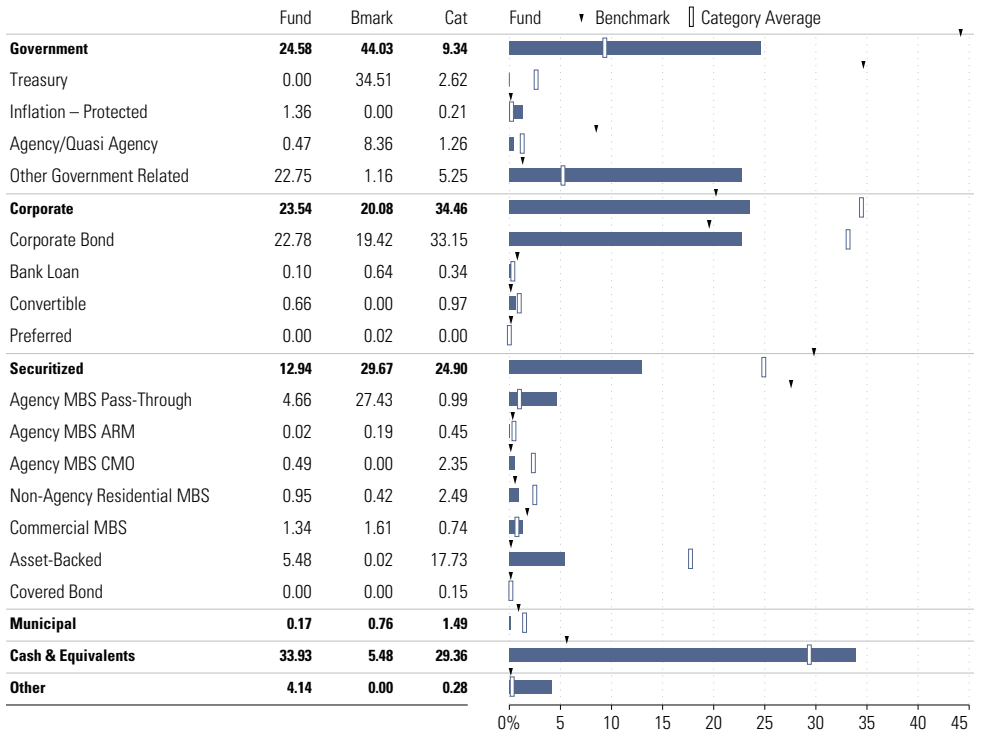


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	25.23	68.36
Cash	60.33	29.27
Other	14.44	2.36
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	28.00	3.53	46.67
AA	9.00	74.59	12.35
A	29.00	10.82	22.65
BBB	25.00	8.32	14.09
BB	7.00	0.28	0.85
B	2.00	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
⊕ 90 Day Eurodollar Future Dec20	12-2020	58.64	58.64	–
✱ CashOffSet	–	41.58	100.23	–
⊖ Ois Usd Fedl01/2.3 03/01/19 Lch	03-2022	32.67	132.90	–
⊕ Ois Usd Fedl01/2.3 03/01/19 Lch	03-2022	31.96	164.85	–
⊕ Fin Fut Us 2yr Cbt 12/31/19	01-2020	30.54	195.39	–
⊕ Irs Usd 1.71000 07/26/19-2y Cme	07-2021	13.27	208.66	–
⊕ Irs Usd 1.71000 07/26/19-2y Cme	07-2021	13.25	221.91	–
⊕ Offset: Unsettled Trades	–	10.98	232.89	–
⊖ 3 Month Canadian Bankers' Acceptance Dec20	12-2020	9.66	242.55	–
⊖ Pimco Fds	03-2020	8.61	251.16	–

Total Holdings 1426

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Templeton Foreign R6 FTFGX

Morningstar Category
Foreign Large Value

Morningstar Index
MSCI EAFE NR USD

Portfolio Manager(s)

Herbert Arnett since 09-2017
Christopher Peel since 09-2017
Peter Moeschter since 02-2019
Warren Pustam since 07-2019

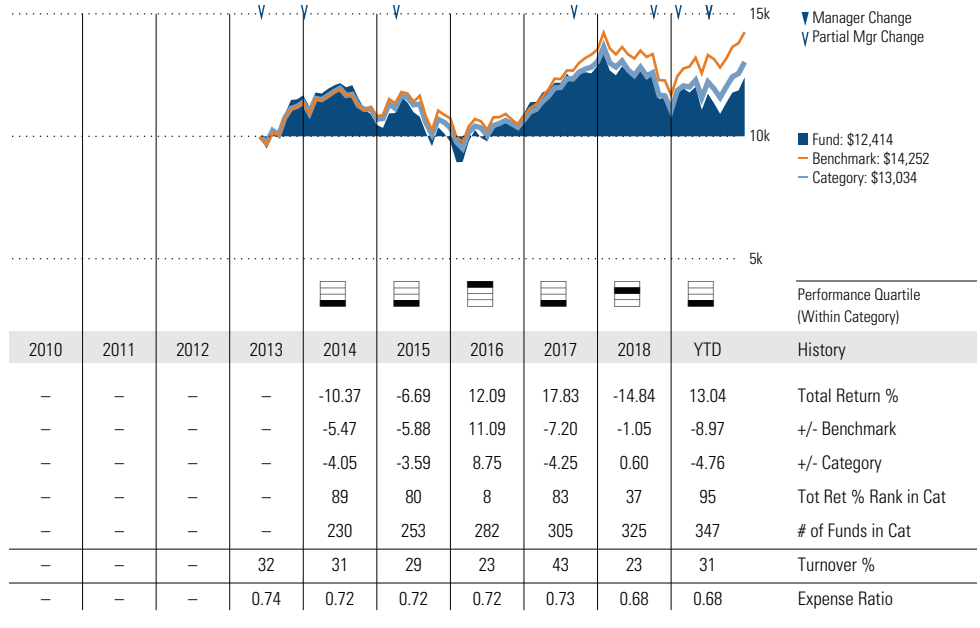
Quantitative Screens

- ✗ **Performance:** The fund has finished in the Foreign Large Value category's top three quartiles in 2 of the 6 years it's been in existence.
- ✗ **Management:** The fund's management team has been in place for less than three years.
- ✔ **Style:** The fund has landed in its primary style box — Large Value — 100 % of the time over the past three years.
- ✔ **Net Expense:** The fund's expense ratio of 0.68 is 35.85% lower than the Foreign Large Value category average.

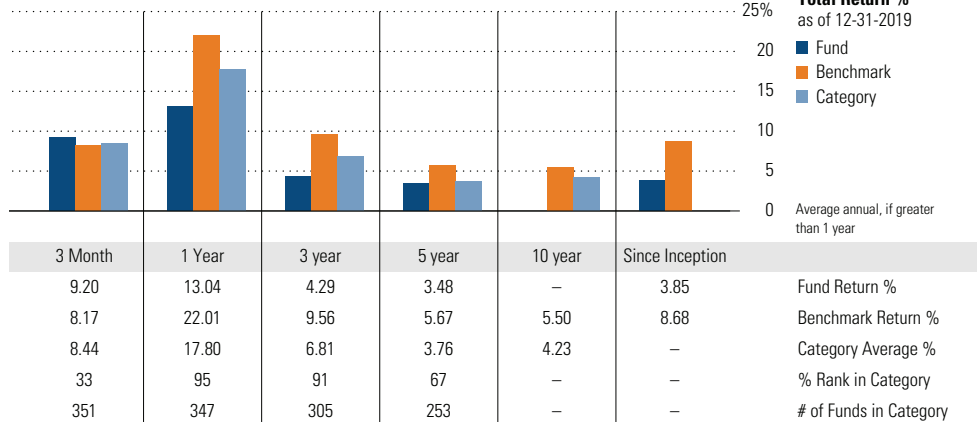
Morningstar Investment Management LLC Analysis

We are removing Templeton Foreign from our fiduciary programs. This fund had been on watch because of the departure of lead manager Tucker Scott in mid-2019 along with a reshuffling of Templeton's global analysts, who play an important role with this fund. Additionally, performance had been middling, including several years where the fund landed in the bottom quartile of its Morningstar Category. The fund underperformed its benchmark index and average category peer by several percentage points in 2019, and its trailing one-, three-, and five-year returns rank in the bottom quartile of the foreign large value Morningstar Category.

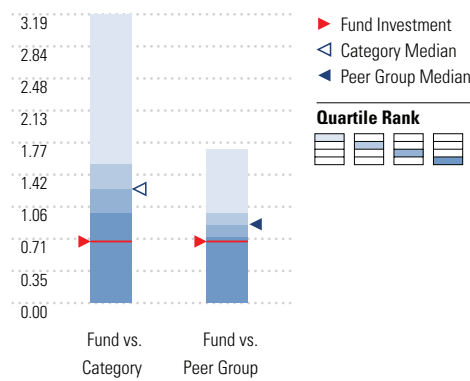
Growth of \$10,000



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	-5.57	-	-3.36
Beta	1.08	-	1.05
R-Squared	91.31	-	90.79
Standard Deviation	12.38	10.96	12.06
Sharpe Ratio	0.26	0.73	0.43
Tracking Error	3.75	-	3.70
Information Ratio	-1.41	-	-0.91
Up Capture Ratio	90.87	-	94.15
Down Capture Ratio	126.45	-	115.74

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.66	16.19	14.35
Price/Book Ratio	1.23	1.58	1.42
Geom Avg Mkt Cap \$B	26.76	35.93	39.24
ROE	11.37	15.50	14.08

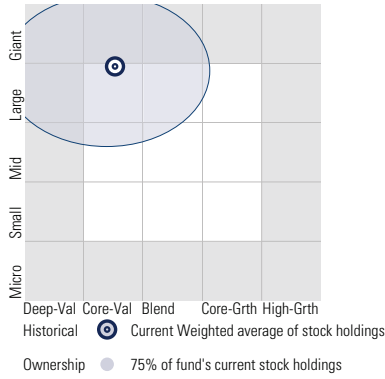
Templeton Foreign R6 FTFGX

Morningstar Category
Foreign Large Value

Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 12-31-2019

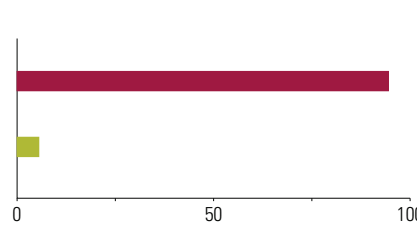
Morningstar Style Box™



Style Breakdown

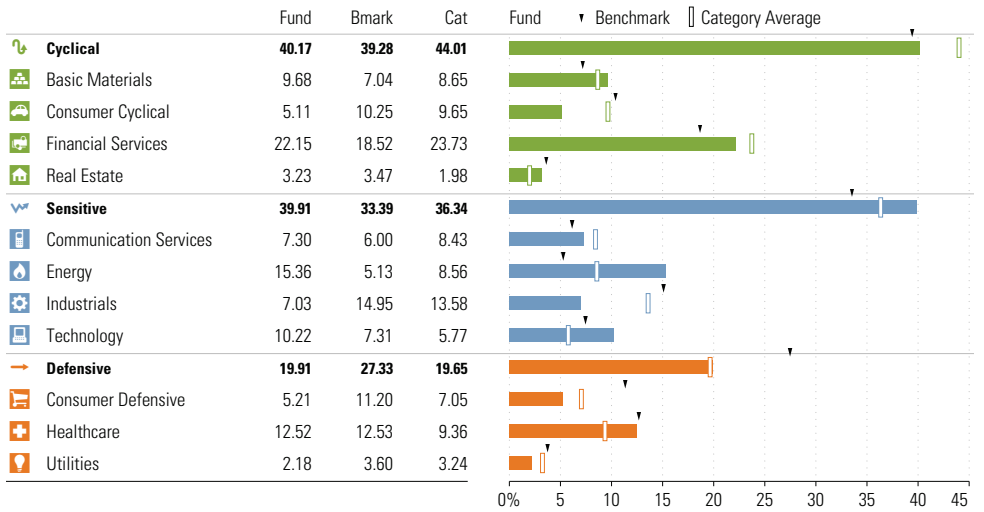


Asset Allocation as of 12-31-2019

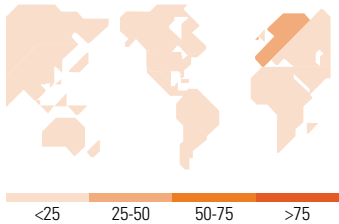


Asset Class	Net %	Cat%
US Stocks	0.00	2.10
Non-US Stocks	94.48	95.70
Bonds	0.00	0.50
Cash	5.52	1.56
Other	0.00	0.15
Total	100.00	100.00

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	42.39	32.44	Americas	6.33	6.65	Greater Europe	51.28	60.91	Developed Markets	90.05
Japan	14.87	18.30	North America	5.22	5.91	United Kingdom	16.24	20.33	Emerging Markets	9.95
Australasia	0.00	3.35	Central/Latin	1.11	0.74	W euro-ex UK	34.33	39.59	Not Available	0.00
Asia-4 Tigers	18.69	7.08				Emrgng Europe	0.00	0.57		
Asia-ex 4 Tigers	8.83	3.71				Africa	0.71	0.42		
Not Classified	0.00	0.00								

Top 0 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Total Holdings 0				

⊕ 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.

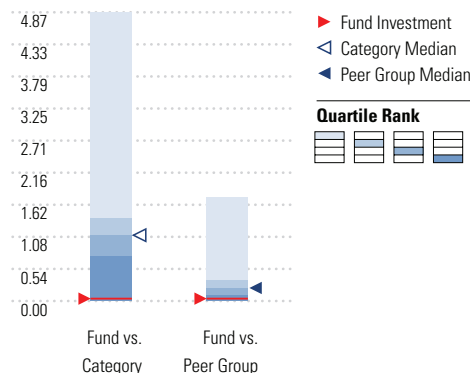
Growth of \$10,000



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™



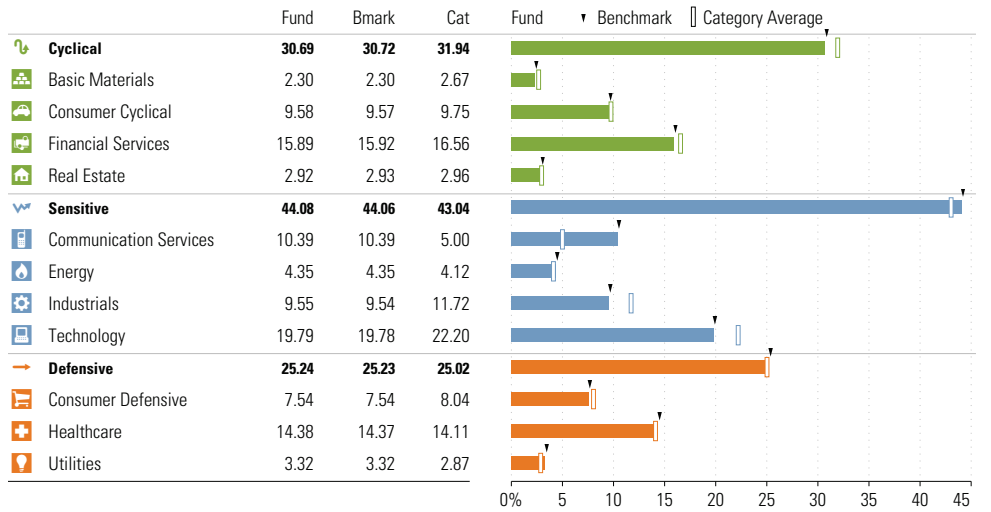
Style Breakdown



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 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.

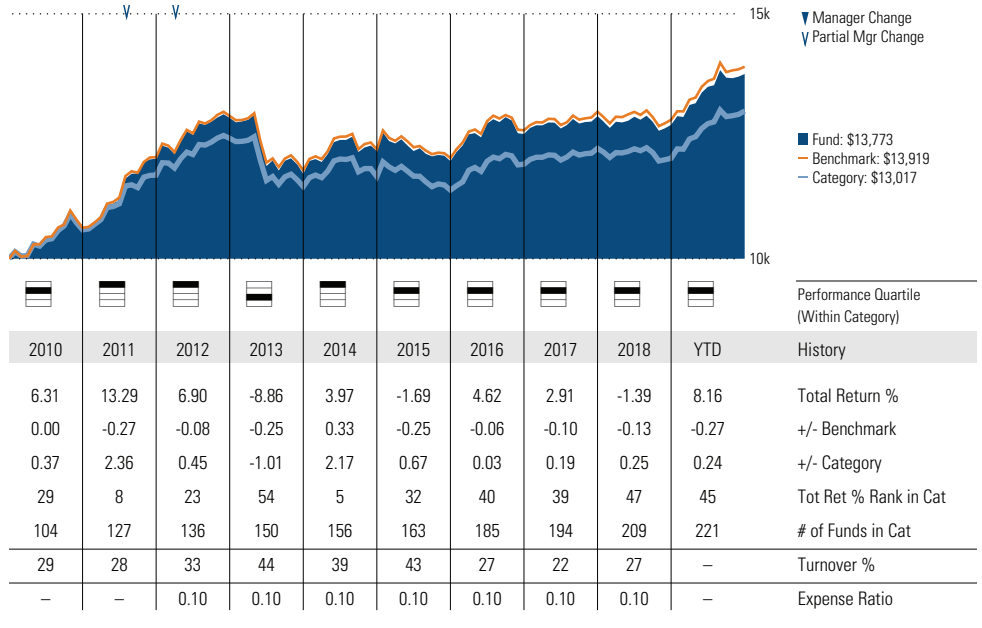
Style Consistency is not calculated for Fixed Income funds.

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

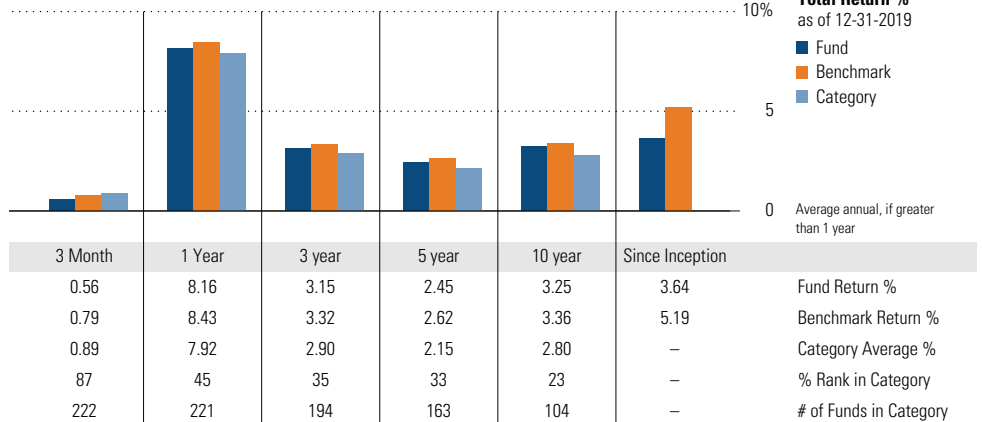
Morningstar Investment Management LLC Analysis

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.

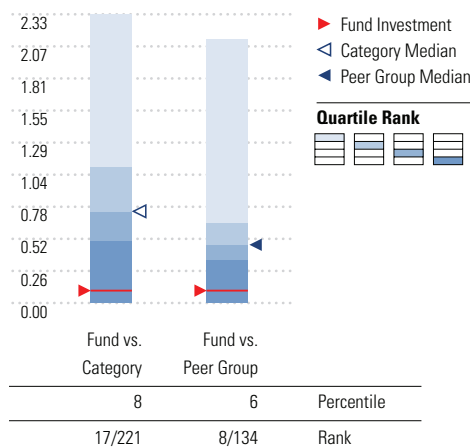
Growth of \$10,000



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

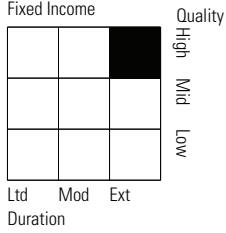
Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

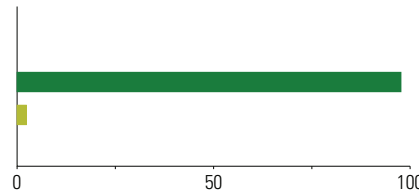
Morningstar Index
BBgBarc US Treasury US TIPS TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019

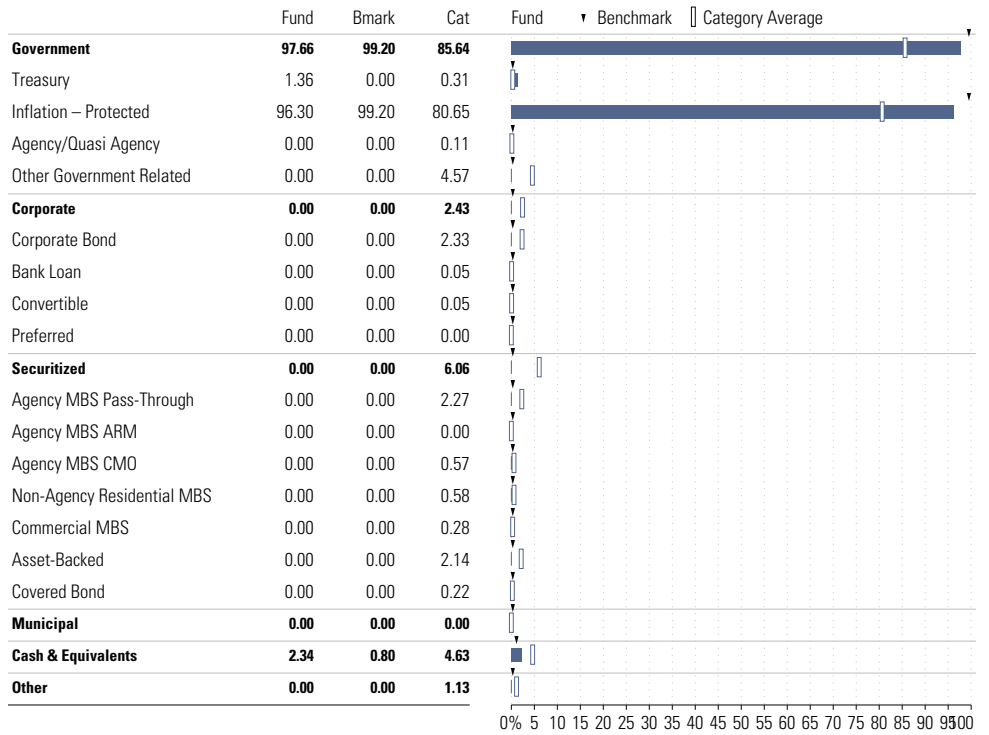


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.01
Bonds	97.66	98.81
Cash	2.34	0.90
Other	0.00	0.28
Total	100.00	100.00

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 Growth Index Admiral VMGMX

Morningstar Category
Mid-Cap Growth

Morningstar Index
Russell Mid Cap Growth TR USD

Portfolio Manager(s)

Donald Butler since 02-2013
Michael Johnson since 04-2016

Quantitative Screens

Performance: The fund has finished in the Mid-Cap 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 6.86 years.

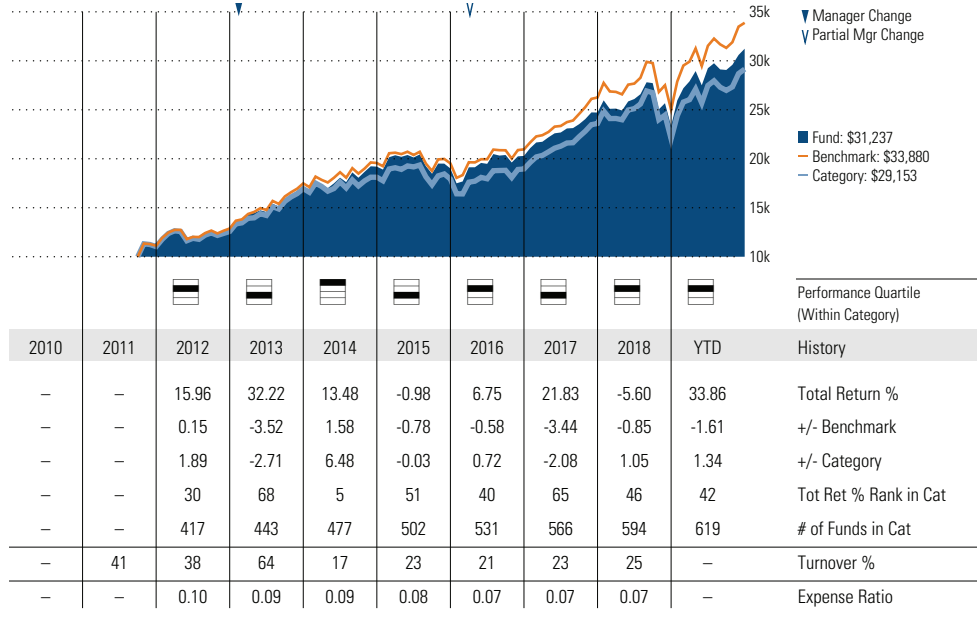
Style: The fund has landed in its primary style box — Mid-Cap Growth — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.07 is 93.86% lower than the Mid-Cap Growth category average.

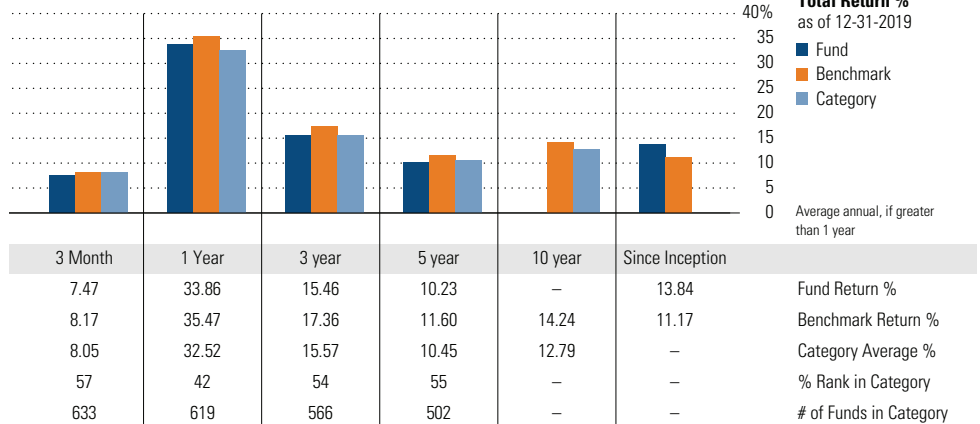
Morningstar Investment Management LLC Analysis

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.

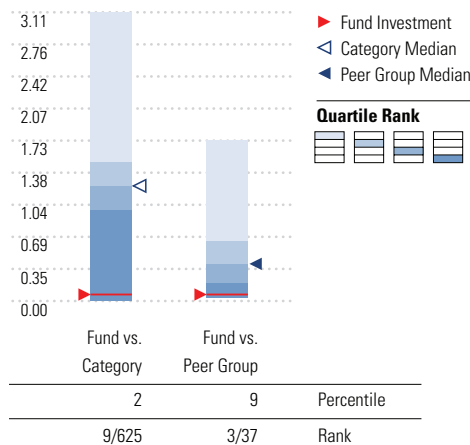
Growth of \$10,000



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

Metric	Fund	Bmark	Cat
Alpha	-0.57	-	-0.72
Beta	0.93	-	1.00
R-Squared	97.80	-	90.58
Standard Deviation	13.24	14.07	14.79
Sharpe Ratio	1.03	1.09	1.00
Tracking Error	2.19	-	4.59
Information Ratio	-0.86	-	-0.37
Up Capture Ratio	91.44	-	97.18
Down Capture Ratio	94.13	-	101.27

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	26.62	24.43	24.72
Price/Book Ratio	4.00	4.75	4.01
Geom Avg Mkt Cap \$B	11.59	11.70	9.33
ROE	18.67	21.26	18.42

Vanguard Mid-Cap Growth Index Admiral VMGMX

Morningstar Category

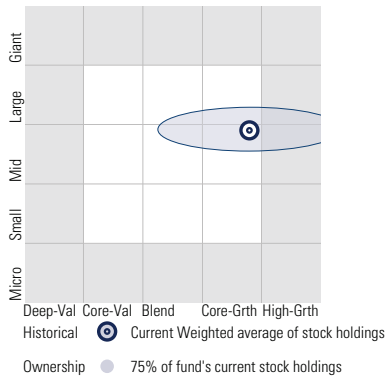
Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

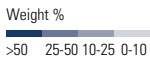
Style Analysis as of 12-31-2019

Morningstar Style Box™

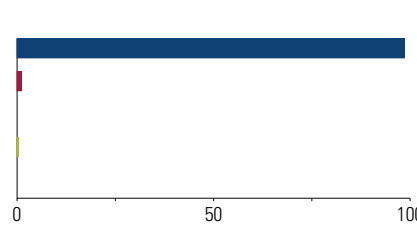


Style Breakdown

Equity			Large Mid Small
Value	Blend	Growth	
0	12	26	
2	21	38	
0	0	0	



Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	98.54	92.62
Non-US Stocks	1.08	4.34
Bonds	0.00	0.04
Cash	0.38	2.72
Other	0.00	0.29
Total	100.00	100.00

Sector Weighting as of 12-31-2019

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	30.13	26.18	32.14			
Basic Materials	2.50	1.55	2.57			
Consumer Cyclical	9.73	14.62	14.61			
Financial Services	5.91	6.59	10.14			
Real Estate	11.99	3.42	4.82			
Sensitive	49.76	53.74	43.99			
Communication Services	5.83	5.14	3.26			
Energy	4.66	1.23	1.38			
Industrials	15.52	18.51	16.02			
Technology	23.75	28.86	23.33			
Defensive	20.10	20.08	23.88			
Consumer Defensive	3.59	4.87	2.88			
Healthcare	16.30	15.21	20.38			
Utilities	0.21	0.00	0.62			

Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Amphenol Corp Class A	1.45	1.45	34.77	Technology
⊕ ONEOK Inc	1.41	2.87	46.80	Energy
⊕ IHS Markit Ltd	1.30	4.16	57.08	Industrials
⊕ TransDigm Group Inc	1.29	5.45	83.06	Industrials
⊕ KLA Corp	1.27	6.72	102.56	Technology
⊕ SBA Communications Corp	1.23	7.95	49.32	Real Estate
⊕ Lululemon Athletica Inc	1.23	9.18	90.50	Consumer Cyclical
⊖ Advanced Micro Devices Inc	1.16	10.33	148.43	Technology
⊖ IQVIA Holdings Inc	1.15	11.49	33.00	Healthcare
⊕ Microchip Technology Inc	1.13	12.62	47.64	Technology
⊕ Digital Realty Trust Inc	1.13	13.75	16.43	Real Estate
⊕ Fleetcor Technologies Inc	1.13	14.88	54.92	Technology
⊕ Centene Corp	1.12	16.00	9.05	Healthcare
⊕ Xilinx Inc	1.11	17.11	16.52	Technology
⊕ Verisk Analytics Inc	1.11	18.22	37.88	Industrials

Total Holdings 162

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category
Mid-Cap Value

Morningstar Index
Russell Mid Cap Value TR USD

Portfolio Manager(s)

Donald Butler since 08-2006
Michael Johnson since 04-2016

Quantitative Screens

Performance: The fund has finished in the Mid-Cap Value 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 13.38 years.

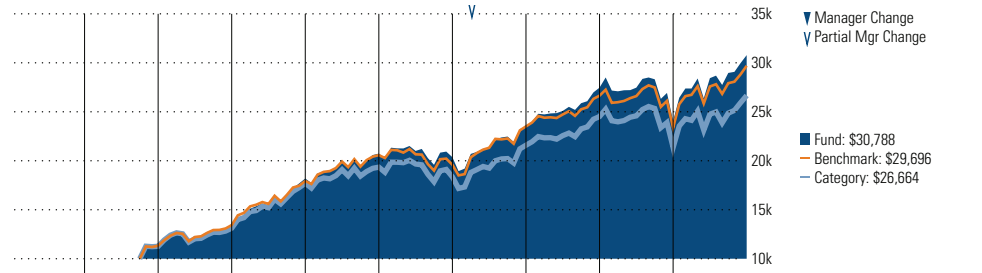
Style: The fund has landed in its primary style box — Mid-Cap Value — 100 % of the time over the past three years.

Net Expense: The fund's expense ratio of 0.07 is 93.27% lower than the Mid-Cap Value category average.

Morningstar Investment Management LLC Analysis

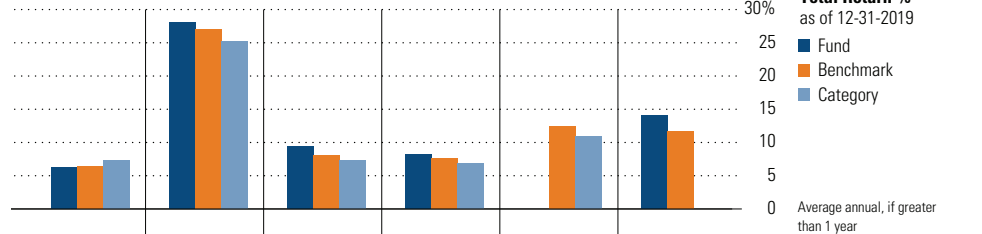
This fund passes all of Morningstar Investment Management's quantitative screens. Morningstar Investment Management has also assessed the fund from a qualitative perspective and, as a fiduciary, is comfortable recommending the fund's use in retirement plans.

Growth of \$10,000



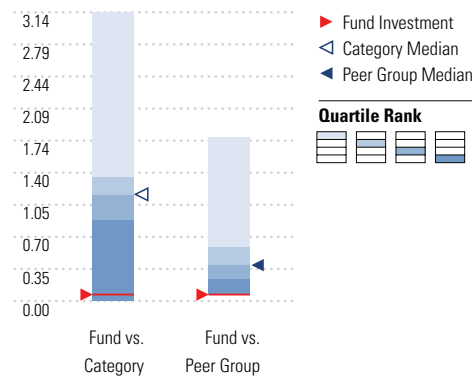
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	Performance Quartile (Within Category)
-	-	16.02	37.66	13.98	-1.80	15.26	17.04	-12.42	27.99	History
-	-	-2.49	4.20	-0.77	2.98	-4.74	3.70	-0.13	0.93	Total Return %
-	-	-0.58	2.52	4.67	3.61	-2.80	3.82	0.44	2.81	+/- Benchmark
-	-	57	25	11	17	71	13	45	32	+/- Category
-	-	281	293	312	342	362	377	412	422	Tot Ret % Rank in Cat
-	41	33	46	14	20	20	17	17	-	# of Funds in Cat
-	-	0.10	0.09	0.09	0.08	0.07	0.07	0.07	-	Turnover %
-	-	-	-	-	-	-	-	-	-	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 12-31-2019
6.28	27.99	9.47	8.23	-	14.01	Fund Return %
6.36	27.06	8.10	7.62	12.41	11.70	Benchmark Return %
7.23	25.18	7.33	6.90	10.86	-	Category Average %
71	32	18	25	-	-	% Rank in Category
430	422	377	342	-	-	# 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	1.13	-	-1.09
Beta	1.02	-	1.06
R-Squared	98.23	-	94.06
Standard Deviation	13.39	12.97	14.24
Sharpe Ratio	0.62	0.53	0.46
Tracking Error	1.81	-	3.72
Information Ratio	0.76	-	-0.14
Up Capture Ratio	104.00	-	101.58
Down Capture Ratio	96.39	-	108.01

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.51	18.90	17.75
Price/Book Ratio	2.00	1.81	1.74
Geom Avg Mkt Cap \$B	9.97	9.71	8.73
ROE	15.32	11.29	11.96

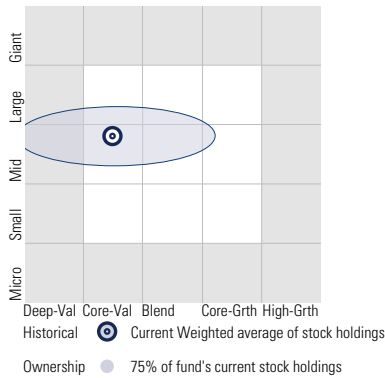
Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category
Mid-Cap Value

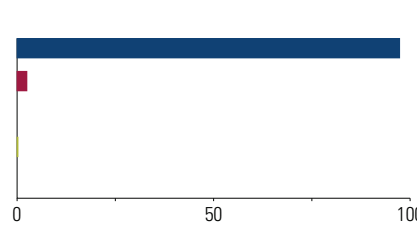
Morningstar Index
Russell Mid Cap Value TR USD

Style Analysis as of 12-31-2019

Morningstar Style Box™

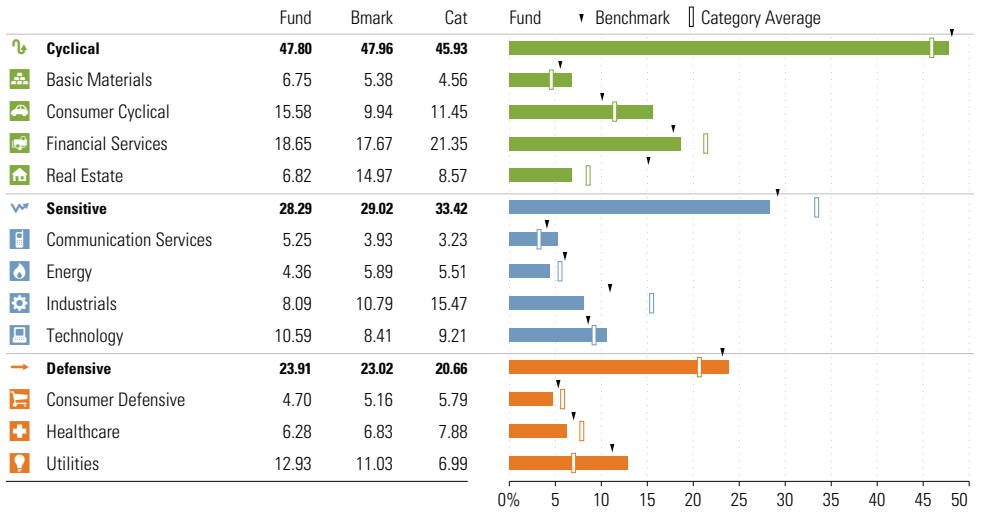


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	97.32	92.39
Non-US Stocks	2.47	4.75
Bonds	0.00	0.08
Cash	0.21	2.60
Other	0.00	0.19
Total	100.00	100.00

Sector Weighting as of 12-31-2019



Style Breakdown



Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Newmont Corp	1.59	1.59	29.55	Basic Materials
⊕ WEC Energy Group Inc	1.30	2.89	36.57	Utilities
⊕ Motorola Solutions Inc	1.23	4.13	42.12	Technology
⊕ Eversource Energy	1.23	5.36	34.09	Utilities
⊕ FirstEnergy Corp	1.17	6.53	33.48	Utilities
⊕ Willis Towers Watson PLC	1.16	7.70	34.69	Financial Services
⊕ DTE Energy Co	1.11	8.81	21.23	Utilities
⊕ Entergy Corp	1.07	9.87	43.44	Utilities
⊕ Royal Caribbean Cruises Ltd	1.00	10.88	39.55	Consumer Cyclical
⊕ American Water Works Co Inc	0.99	11.87	37.50	Utilities
⊕ The Hartford Financial Services Group Inc	0.98	12.85	39.42	Financial Services
⊖ M&T Bank Corp	0.95	13.80	21.46	Financial Services
⊖ CDW Corp	0.92	14.72	77.80	Technology
⊕ Halliburton Co	0.91	15.63	-5.23	Energy
⊖ KeyCorp	0.89	16.52	41.75	Financial Services

Total Holdings 201

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Small Cap Growth Index Admiral VSGAX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Portfolio Manager(s)

Gerard O'Reilly since 12-2004
William Coleman since 04-2016

Quantitative Screens

✔ **Performance:** The fund has finished in the Small 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 15.01 years.

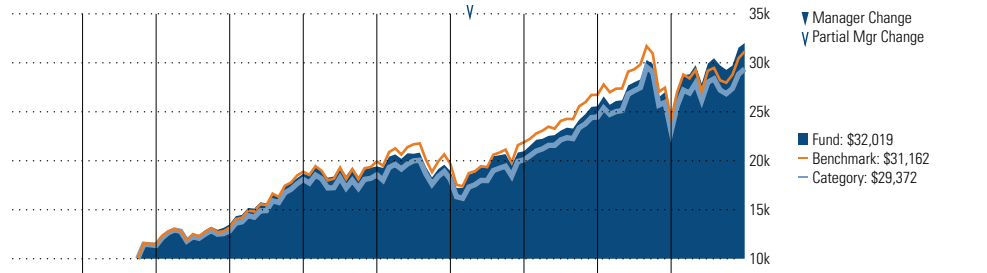
✘ **Style:** The fund has landed in its primary style box — Small Growth — 37.14 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.26% lower than the Small Growth category average.

Morningstar Investment Management LLC Analysis

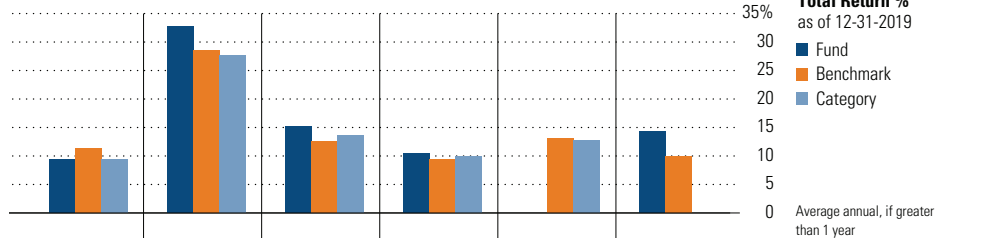
This fund fails our style screen but its portfolio positioning remains consistent with the benchmark index it tracks.

Growth of \$10,000



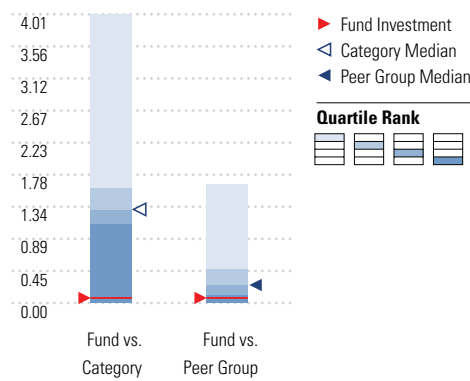
2010	2011	2012	2013	2014	2015	2016	2017	2018	YTD	Performance Quartile (Within Category)
-	-	17.66	38.22	4.02	-2.52	10.73	21.92	-5.68	32.76	History
-	-	3.07	-5.08	-1.58	-1.14	-0.59	-0.25	3.63	4.28	Total Return %
-	-	4.51	-2.69	1.58	-0.11	-0.47	0.42	0.08	5.08	+/- Benchmark
-	-	11	65	36	52	48	46	50	27	+/- Category
-	-	425	459	481	509	544	574	622	642	Tot Ret % Rank in Cat
-	40	37	50	26	23	27	19	22	-	# of Funds in Cat
-	-	0.10	0.09	0.09	0.08	0.07	0.07	0.07	-	Turnover %
-	-	-	-	-	-	-	-	-	-	Expense Ratio

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 12-31-2019
9.35	32.76	15.14	10.51	-	14.27	Fund Return %
11.39	28.48	12.49	9.34	13.01	9.85	Benchmark Return %
9.46	27.68	13.66	9.92	12.68	-	Category Average %
49	27	39	42	-	-	% Rank in Category
654	642	574	509	-	-	# 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	3.20	-	2.04
Beta	0.92	-	0.95
R-Squared	96.92	-	90.99
Standard Deviation	15.56	16.60	16.64
Sharpe Ratio	0.88	0.69	0.78
Tracking Error	3.02	-	4.99
Information Ratio	0.88	-	0.28
Up Capture Ratio	98.29	-	99.40
Down Capture Ratio	82.37	-	90.07

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	27.66	24.72	25.39
Price/Book Ratio	3.16	3.88	3.65
Geom Avg Mkt Cap \$B	2.95	1.66	2.80
ROE	10.39	10.22	9.63

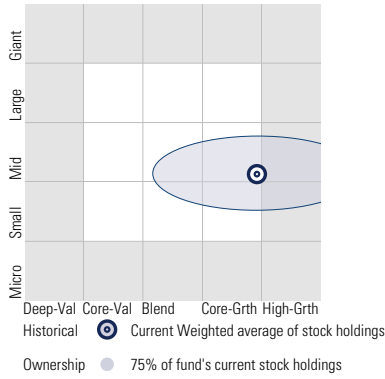
Vanguard Small Cap Growth Index Admiral VSGAX

Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 12-31-2019

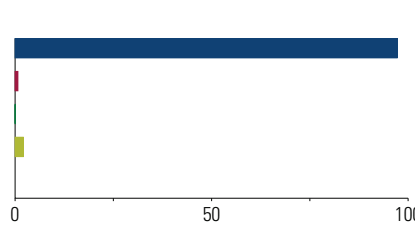
Morningstar Style Box™



Style Breakdown

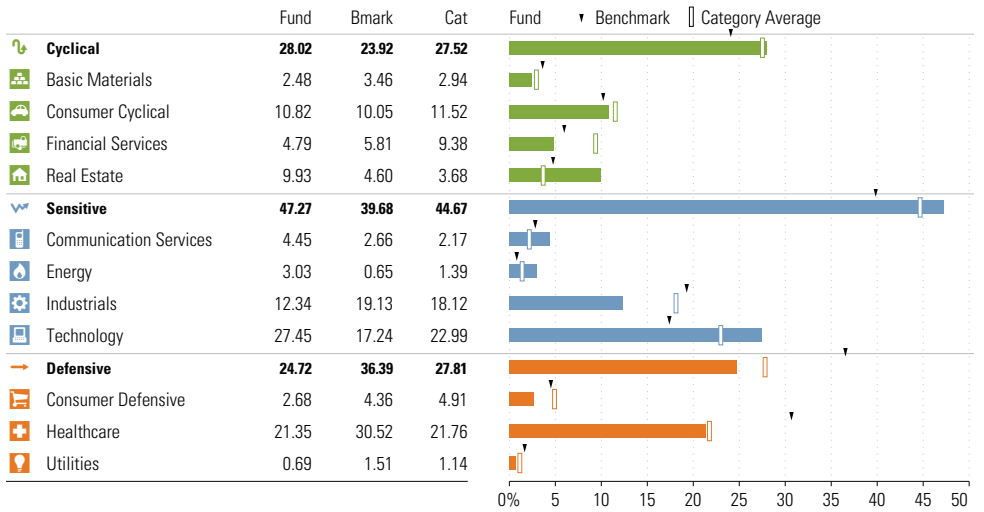


Asset Allocation as of 12-31-2019



Asset Class	Net %	Cat%
US Stocks	97.21	93.58
Non-US Stocks	0.71	3.17
Bonds	0.01	0.00
Cash	2.08	2.78
Other	0.00	0.46
Total	100.00	100.00

Sector Weighting as of 12-31-2019



Top 15 Holdings as of 12-31-2019

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Cmt Market Liquidity Rate	2.08	2.08	-	-
⊕ Zebra Technologies Corp	0.78	2.86	60.42	Technology
⊕ Teledyne Technologies Inc	0.72	3.58	67.35	Technology
⊕ Equity Lifestyle Properties Inc	0.69	4.27	47.46	Real Estate
⊕ Tyler Technologies Inc	0.66	4.93	61.46	Technology
⊕ West Pharmaceutical Services Inc	0.63	5.56	53.97	Healthcare
⊕ EPAM Systems Inc	0.63	6.19	82.88	Technology
⊕ Insulet Corp	0.60	6.80	115.83	Healthcare
⊕ DocuSign Inc	0.59	7.39	84.91	Technology
⊕ The Trade Desk Inc A	0.59	7.98	123.83	Technology
⊕ Fair Isaac Corp	0.59	8.56	100.36	Technology
⊕ Neurocrine Biosciences Inc	0.56	9.12	50.53	Healthcare
⊕ Apollo Global Management Inc Class A	0.54	9.67	102.65	Financial Services
⊕ Coupa Software Inc	0.52	10.19	132.66	Technology
⊕ Sarepta Therapeutics Inc	0.52	10.71	18.24	Healthcare

Total Holdings 601

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Western Asset Core Bond IS WACSX

Morningstar Category
Intermediate Core Bond

Morningstar Index
BBgBarc US Agg Bond TR USD

Portfolio Manager(s)

Mark Lindbloom since 12-2006
S. Leech since 08-2013
Julien Scholnick since 05-2016
Frederick Marki since 05-2018
John Bellows since 05-2018

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 13.01 years.

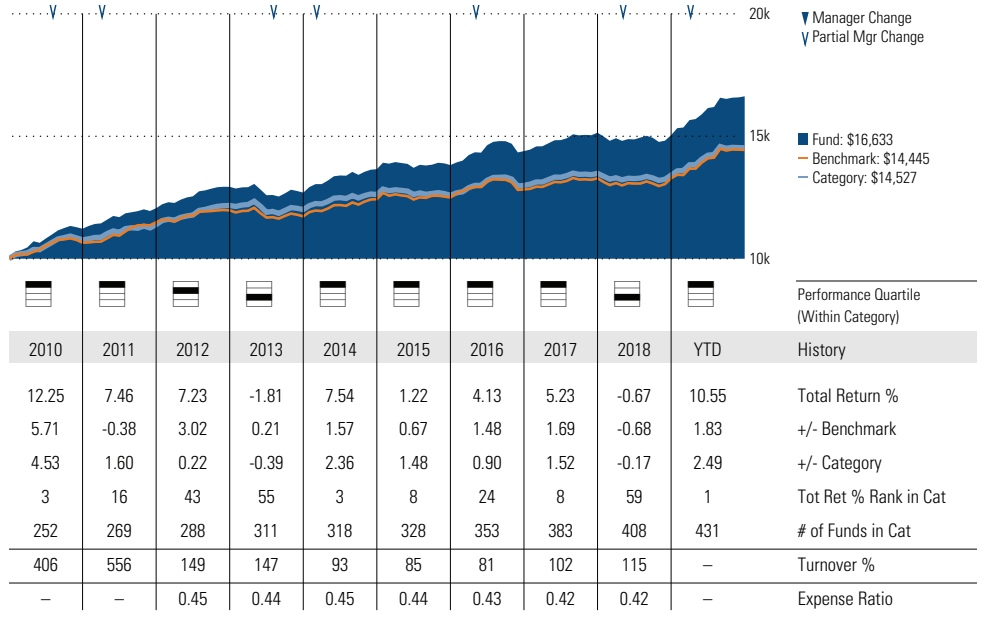
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.42 is 35.38% lower than the Intermediate Core Bond category average.

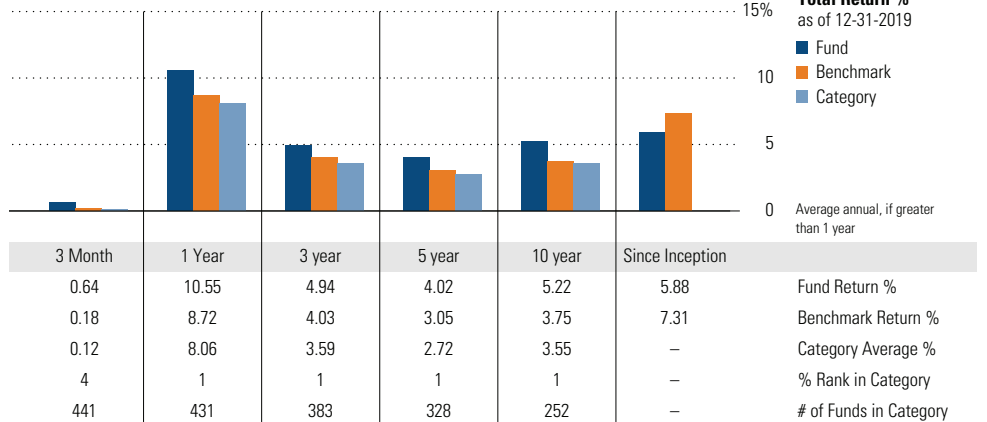
Morningstar Investment Management LLC Analysis

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.

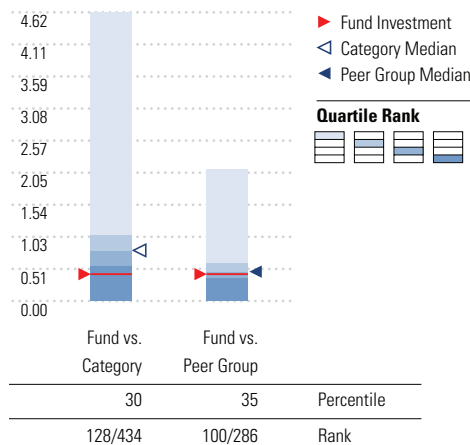
Growth of \$10,000



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	-	-0.04
Beta	0.94	-	0.90
R-Squared	91.03	-	94.83
Standard Deviation	2.88	2.91	2.70
Sharpe Ratio	1.11	0.80	0.70
Tracking Error	0.88	-	0.65
Information Ratio	1.03	-	-0.81
Up Capture Ratio	108.53	-	90.67
Down Capture Ratio	81.41	-	93.11

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.23	4.43	5.31
Avg Eff Maturity	12.47	-	6.82

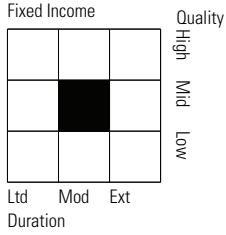
Western Asset Core Bond IS WACSX

Morningstar Category
Intermediate Core Bond

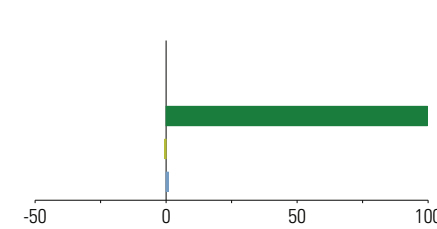
Morningstar Index
BBgBarc US Agg Bond TR USD

Style Analysis as of 12-31-2019

Style Breakdown



Asset Allocation as of 12-31-2019

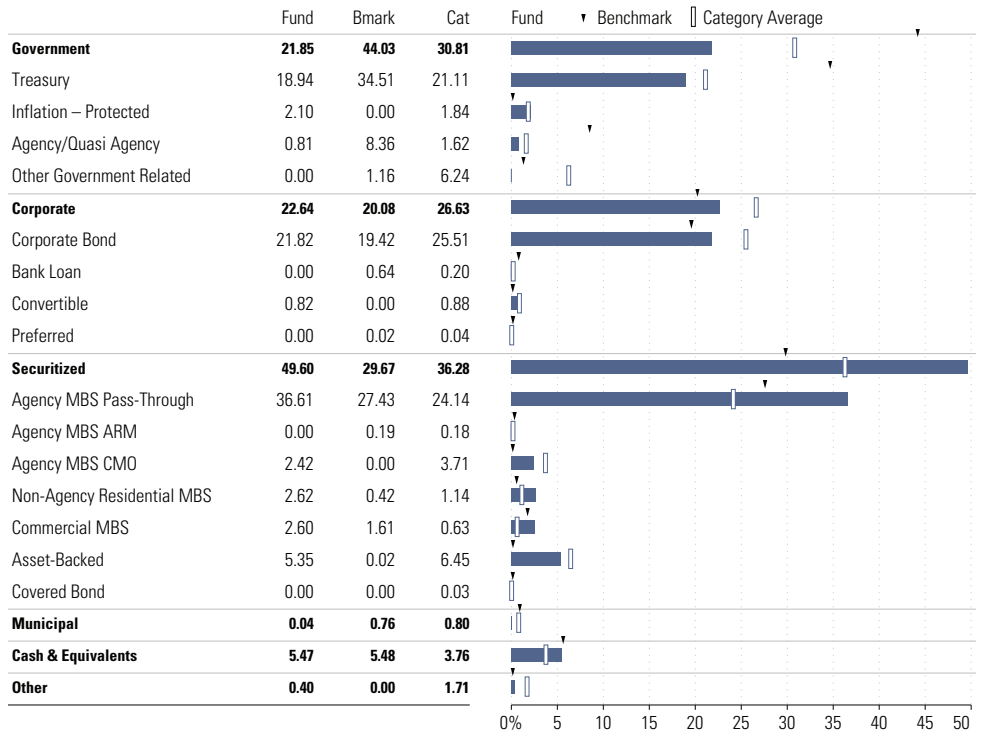


Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	99.62	99.26
Cash	-0.49	-2.28
Other	0.88	2.98
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	68.52	3.53	51.61
AA	4.33	74.59	8.79
A	12.95	10.82	17.74
BBB	12.74	8.32	17.22
BB	0.12	0.28	2.29
B	0.00	0.00	0.68
Below B	0.13	0.00	0.44
Not Rated	1.21	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
Trade Date Cash	–	5.52	5.52	–
Western Asset Prem Instl Govtt Rsrv Pref	–	4.58	10.10	–
United States Treasury Notes 1.62%	11-2026	1.85	11.95	–
United States Treasury Notes 1.5%	11-2024	1.76	13.71	–
United States Treasury Notes 1.38%	08-2026	1.63	15.34	–
United States Treasury Bonds 1%	–	1.20	16.54	–
Government National Mortgage Association 3%	–	1.15	17.69	–
Federal National Mortgage Association 4%	–	1.15	18.84	–
United States Treasury Bonds 3%	–	1.13	19.97	–
Government National Mortgage Association 2.5%	–	1.11	21.09	–

Total Holdings 2076

⊕ Increase ⊖ Decrease ✱ New to Portfolio