

American Funds Capital World Gr&Inc R6 RWIGX

Morningstar Category
Global Large-Stock Blend

Morningstar Index
MSCI ACWI NR USD

Portfolio Manager(s)

Sung Lee since 02-2006
 Alfonso Barroso since 02-2007
 Michael Cohen since 11-2014
 Jin Lee since 02-2019
 Lara Pellini since 02-2019
 Leo Hee since 10-2019
 Jeremy Burge since 01-2020
 Renaud Samyn since 02-2020

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 16.67 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 0.42 is 56.7% lower than the Global Large-Stock Blend category average.

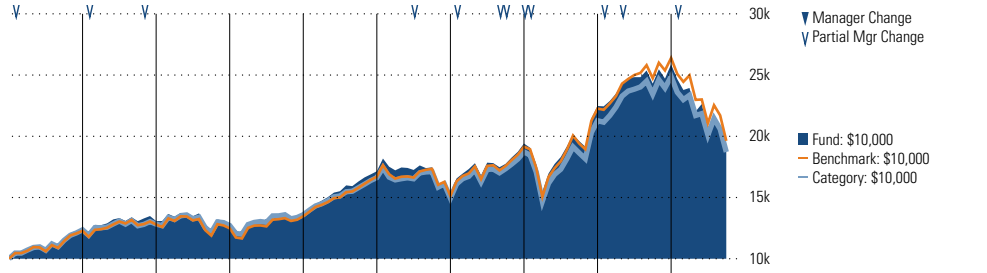
Morningstar Investment Management LLC Analysis

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

ESG Metrics

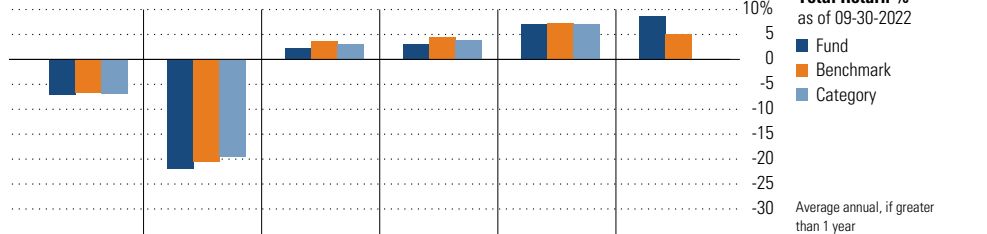
Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	05-18-2022

Growth of \$10,000



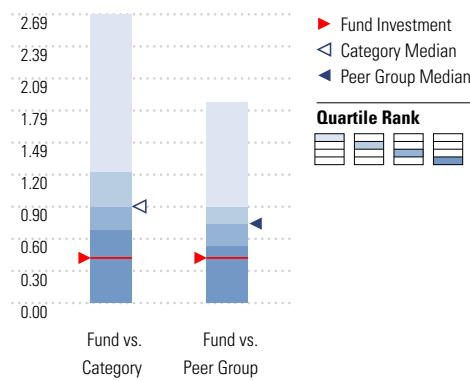
Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
Total Return %	25.28	4.36	-1.88	6.85	25.08	-9.97	25.74	15.78	15.15	-26.73	History
+/- Benchmark	2.48	0.20	0.48	-1.01	1.11	-0.56	-0.86	-0.47	-3.39	-1.10	
+/- Category	1.20	0.69	-0.96	-0.08	2.80	0.09	0.48	2.82	-2.57	-1.93	
Tot Ret % Rank in Cat	49	39	64	45	21	56	52	34	78	70	
# of Funds in Cat	241	262	286	264	282	317	332	355	353	359	
Turnover %	24	36	35	35	35	49	23	36	32	-	
Expense Ratio	-	-	0.45	0.45	0.45	0.44	0.43	0.42	0.41	-	

Trailing Performance



Period	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Metric
Fund Return %	-7.17	-21.99	2.22	3.06	7.04	8.68	Fund Return %
Benchmark Return %	-6.82	-20.66	3.75	4.44	7.28	5.01	Benchmark Return %
Category Average %	-6.92	-19.64	3.07	3.84	6.99	-	Category Average %
% Rank in Category	55	72	66	72	52	-	% Rank in Category
# of Funds in Category	378	347	306	273	169	-	# of Funds in Category

Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-1.35	-	-0.40
Beta	0.95	-	0.96
R-Squared	97.82	-	93.64
Standard Deviation	18.62	19.40	19.25
Sharpe Ratio	0.18	0.25	0.22
Tracking Error	2.92	-	4.83
Information Ratio	-0.52	-	-0.14
Up Capture Ratio	94.00	-	96.21
Down Capture Ratio	99.15	-	98.19

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.70	14.51	15.47
Price/Book Ratio	2.61	2.27	2.37
Geom Avg Mkt Cap \$B	82.63	85.50	63.50
ROE	26.10	26.08	23.54

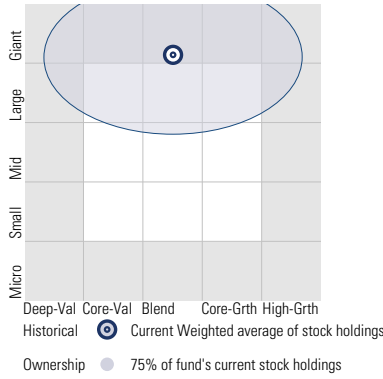
American Funds Capital World Gr&Inc R6 RWIGX

Morningstar Category
Global Large-Stock Blend

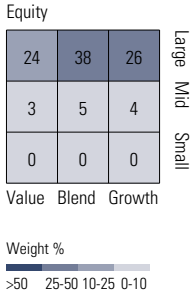
Morningstar Index
MSCI ACWI NR USD

Style Analysis as of 09-30-2022

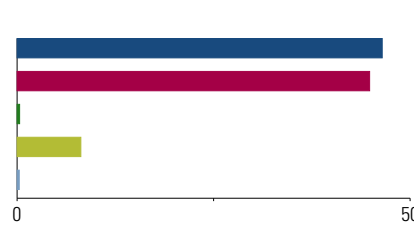
Morningstar Style Box™



Style Breakdown

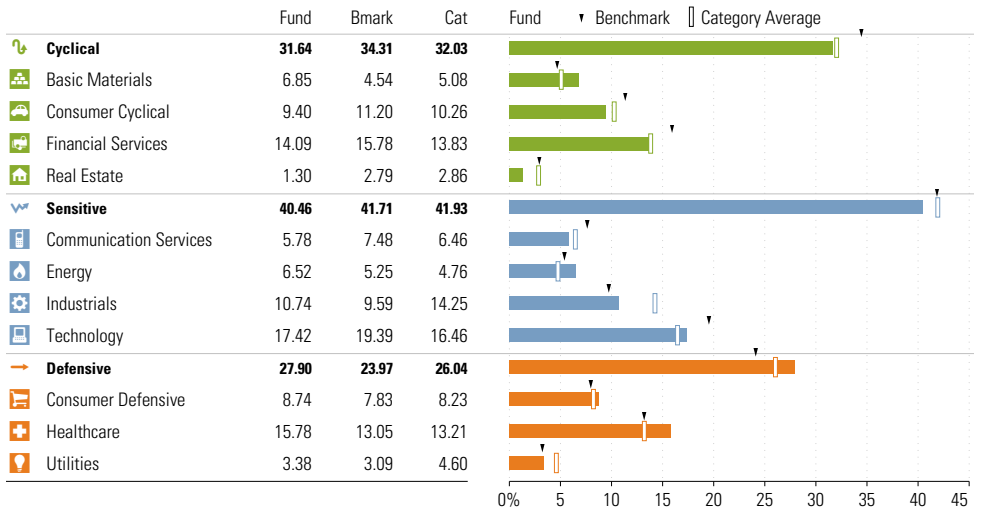


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	46.45	57.38
Non-US Stocks	44.85	38.69
Bonds	0.32	1.52
Cash	8.11	1.46
Other	0.27	0.95
Total	100.00	100.00

Sector Weighting as of 09-30-2022



World Regions % Equity 09-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	18.19	13.50	Americas	58.85	63.89	Greater Europe	22.95	22.61	Developed Markets	90.59
Japan	5.60	5.54	North America	55.45	63.14	United Kingdom	5.87	6.21	Emerging Markets	9.41
Australasia	1.87	1.24	Central/Latin	3.40	0.75	W euro-ex UK	17.08	15.99	Not Available	0.00
Asia-4 Tigers	4.72	3.46				Emrgng Europe	0.00	0.02		
Asia-ex 4 Tigers	6.00	3.26				Africa	0.00	0.39		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash Fund	8.43	8.43	—	—
⊖ Microsoft Corp	3.29	11.72	-30.20	Technology
⊕ Broadcom Inc	3.10	14.81	-31.42	Technology
⊕ UnitedHealth Group Inc	2.42	17.23	1.52	Healthcare
⊖ Taiwan Semiconductor Manufacturing Co Ltd	2.21	19.44	-30.04	Technology
⊕ LVMH Moët Hennessy Louis Vuitton SE	1.53	20.97	-15.08	Consumer Cyclical
⊕ Philip Morris International Inc	1.52	22.49	-8.65	Consumer Defensive
Abbott Laboratories	1.52	24.01	-30.25	Healthcare
⊕ Vale SA	1.42	25.43	1.76	Basic Materials
⊕ ASML Holding NV	1.30	26.73	-37.96	Technology

Total Holdings 338

⊕ Increase ⊖ Decrease ✱ New to Portfolio

American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Portfolio Manager(s)

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

Quantitative Screens

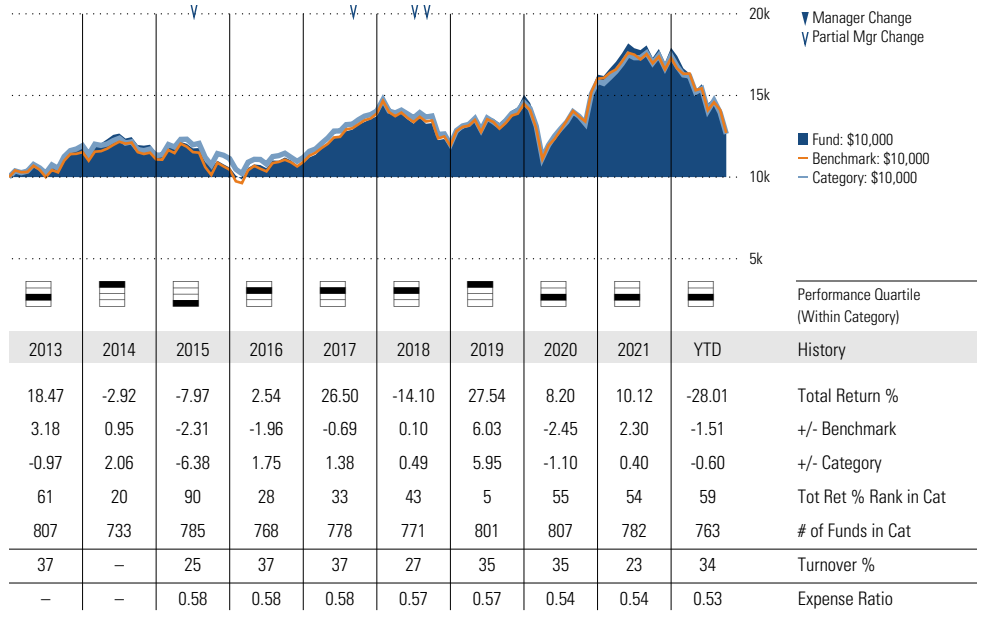
✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.01 years.

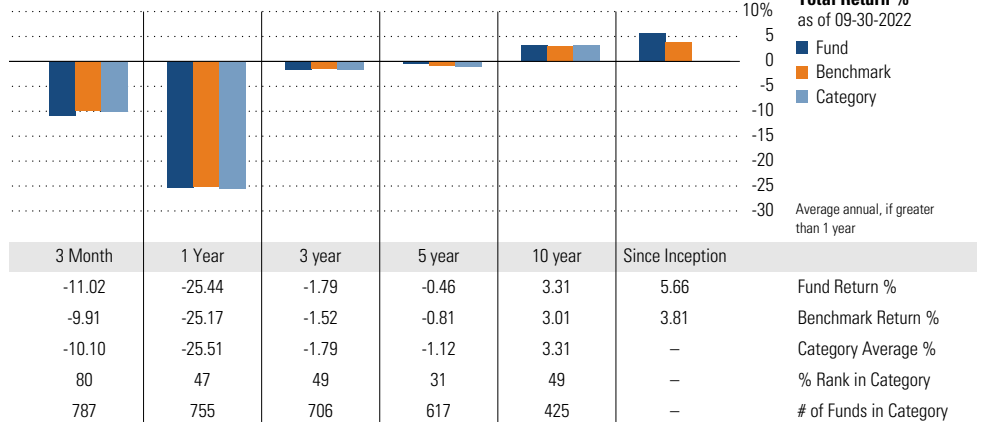
✔ **Style:** The fund has landed in its primary style box — Large Blend — 100 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.54 is 41.94% lower than the Foreign Large Blend category average.

Growth of \$10,000



Trailing Performance



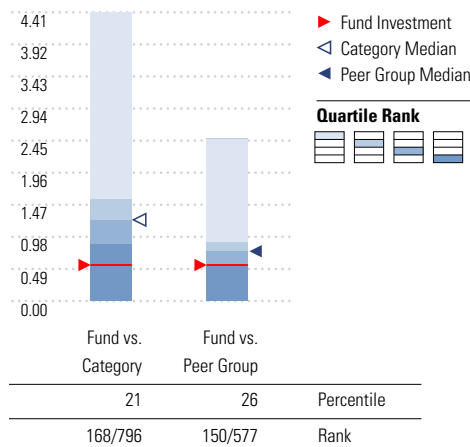
Morningstar Investment Management LLC Analysis

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ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

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	0.01	-	0.08
Beta	1.07	-	1.01
R-Squared	96.42	-	93.77
Standard Deviation	20.07	18.48	19.26
Sharpe Ratio	-0.02	-0.03	-0.02
Tracking Error	3.99	-	4.83
Information Ratio	-0.07	-	-0.01
Up Capture Ratio	107.28	-	103.08
Down Capture Ratio	107.60	-	103.04

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	11.83	11.06	11.27
Price/Book Ratio	1.58	1.49	1.51
Geom Avg Mkt Cap \$B	39.09	34.91	41.65
ROE	19.35	18.13	20.02

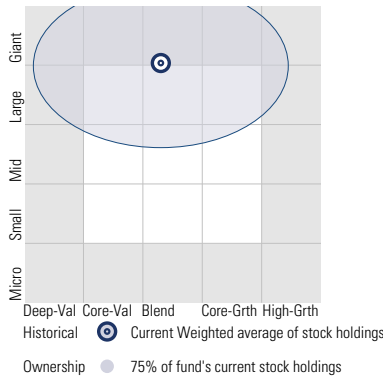
American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

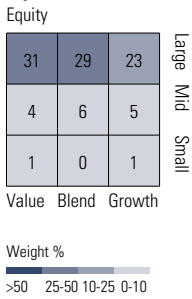
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 09-30-2022

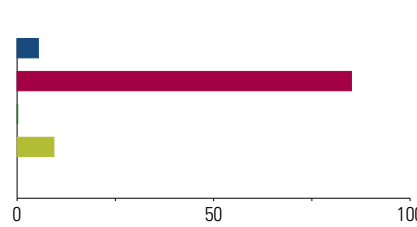
Morningstar Style Box™



Style Breakdown

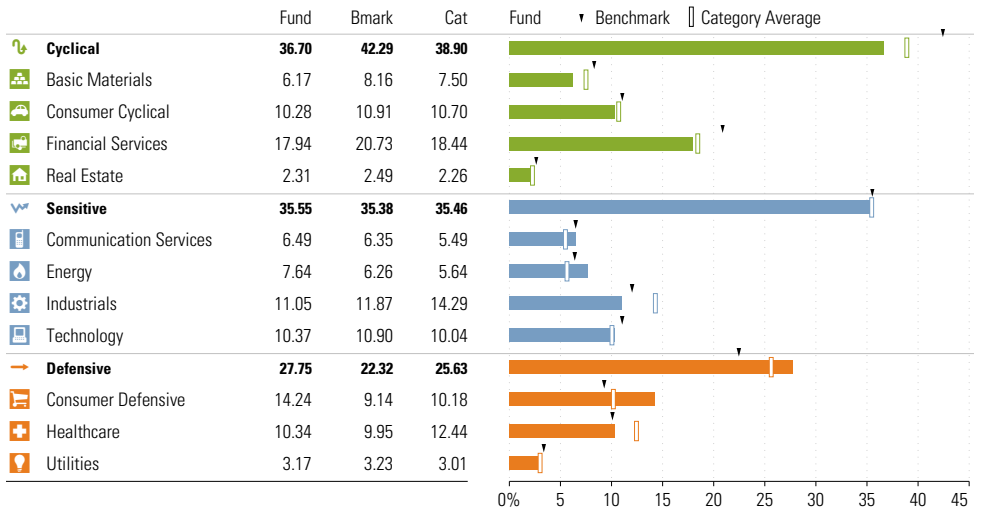


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	5.41	2.94
Non-US Stocks	85.07	94.78
Bonds	0.16	0.62
Cash	9.36	0.82
Other	0.00	0.83
Total	100.00	100.00

Sector Weighting as of 09-30-2022



World Regions % Equity 09-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	28.28	36.02	Americas	15.73	9.12	Greater Europe	55.98	54.87	Developed Markets	84.41
Japan	7.17	18.20	North America	11.06	7.95	United Kingdom	16.06	13.86	Emerging Markets	15.59
Australasia	0.28	5.40	Central/Latin	4.67	1.17	W euro-ex UK	39.28	39.70	Not Available	0.00
Asia-4 Tigers	10.32	6.89				Emrgng Europe	0.24	0.06		
Asia-ex 4 Tigers	10.51	5.53				Africa	0.40	1.25		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Capital Group Central Cash M	9.26	9.26	-	-
⊕ AstraZeneca PLC	3.15	12.41	17.14	Healthcare
⊖ British American Tobacco PLC	2.91	15.32	24.01	Consumer Defensive
Taiwan Semiconductor Manufacturing Co Ltd	2.72	18.03	-30.04	Technology
⊕ Philip Morris International Inc	1.78	19.81	-8.65	Consumer Defensive
⊕ Novo Nordisk A/S Class B	1.68	21.49	4.70	Healthcare
Airbus SE	1.66	23.15	-19.55	Industrials
⊖ ASML Holding NV	1.55	24.70	-37.96	Technology
⊕ BAE Systems PLC	1.52	26.22	46.42	Industrials
⊖ Nestle SA	1.33	27.55	-14.55	Consumer Defensive

Total Holdings 241

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Baird Core Plus Bond Inst BCOIX

Morningstar Category
Intermediate Core-Plus Bond

Morningstar Index
Bloomberg US Agg Bond TR USD

Portfolio Manager(s)

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

Quantitative Screens

✔ **Performance:** The fund has finished in the Intermediate Core-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 22.02 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.3 is 59.46% lower than the Intermediate Core-Plus Bond category average.

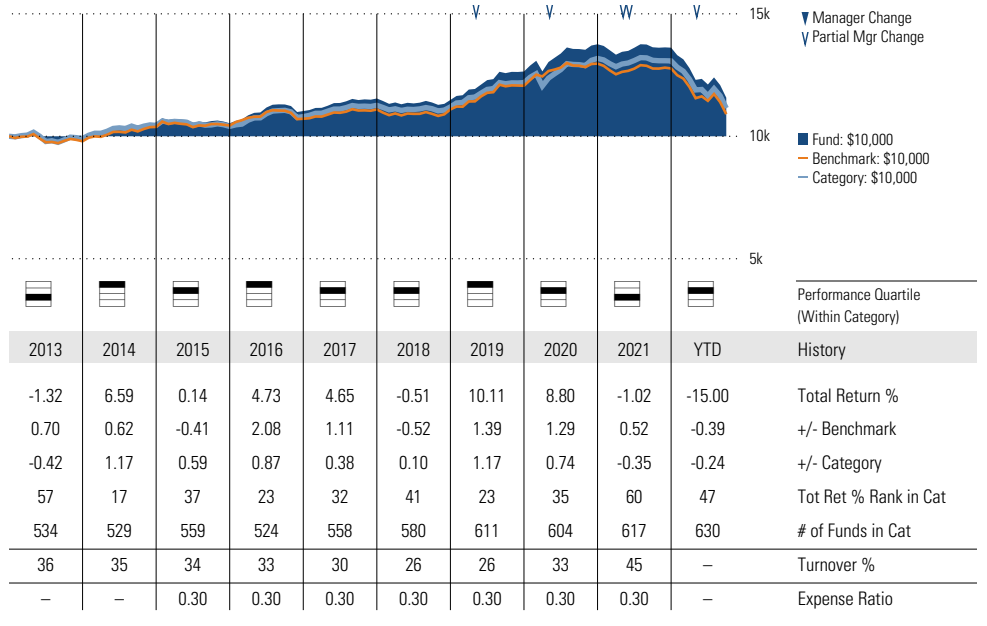
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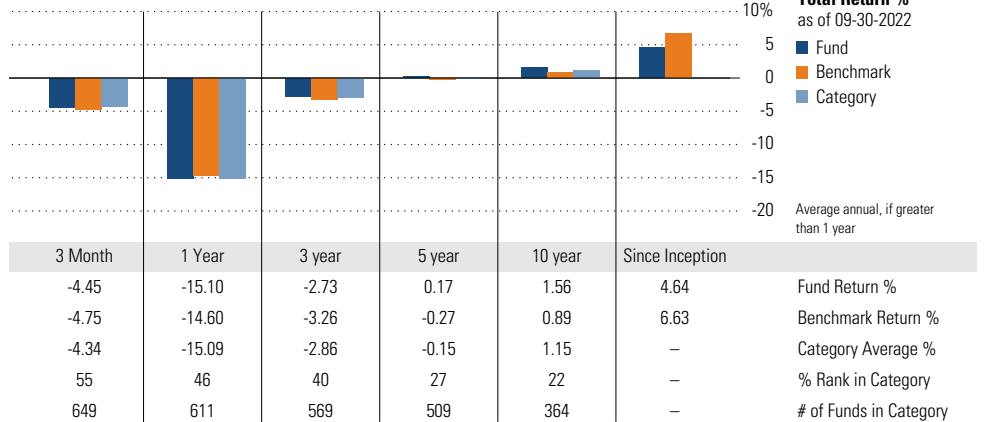
ESG Metrics

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

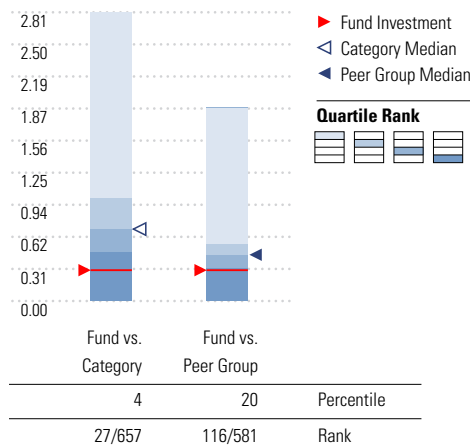
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.71	-	0.56
Beta	1.05	-	1.05
R-Squared	89.27	-	78.08
Standard Deviation	5.93	5.36	6.46
Sharpe Ratio	-0.54	-0.70	-0.53
Tracking Error	1.96	-	3.04
Information Ratio	0.27	-	0.12
Up Capture Ratio	119.93	-	119.57
Down Capture Ratio	105.81	-	107.94

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.36	4.43	6.08
Avg Eff Maturity	8.34	-	8.46

Baird Core Plus Bond Inst BCOIX

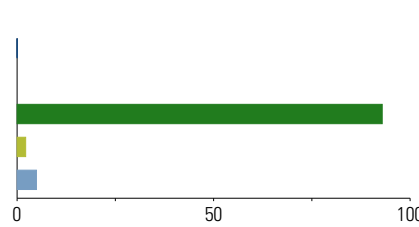
Morningstar Category Intermediate Core-Plus Bond
Morningstar Index Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

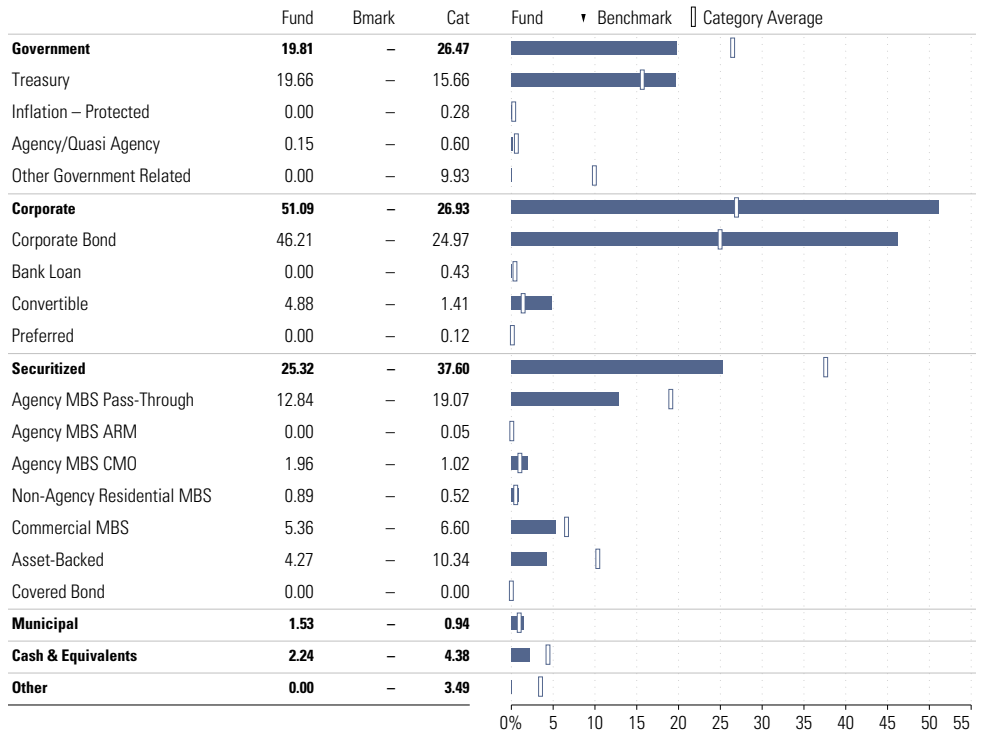


Asset Class	Net %	Cat%
US Stocks	0.01	0.03
Non-US Stocks	0.00	0.00
Bonds	92.90	100.09
Cash	2.18	-1.84
Other	4.92	1.71
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	45.30	3.53	50.65
AA	3.60	74.59	5.16
A	13.60	10.82	11.01
BBB	33.00	8.32	19.73
BB	3.50	0.28	6.92
B	0.20	0.00	2.30
Below B	0.30	0.00	1.92
Not Rated	0.50	2.46	2.31

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ United States Treasury Bonds 2.5%	02-2045	3.56	3.56	-
⊖ United States Treasury Bonds 2.88%	05-2043	3.55	7.11	-
⊖ United States Treasury Notes 2.25%	11-2027	2.60	9.71	-
⊕ United States Treasury Notes 1.13%	08-2028	2.44	12.15	-
⊖ United States Treasury Notes 2%	11-2026	2.09	14.24	-
⊖ First American Government Obligs U	02-2030	1.91	16.15	-
⊖ United States Treasury Bonds 1.38%	11-2040	1.67	17.83	-
⊖ United States Treasury Notes 2.25%	11-2025	0.95	18.78	-
⊕ United States Treasury Notes 1.13%	10-2026	0.91	19.69	-
⊖ United States Treasury Notes 1.25%	08-2031	0.88	20.57	-

Total Holdings 1470

⊕ Increase ⊖ Decrease ✱ New to Portfolio

BlackRock High Yield Bond K BRHYX

Morningstar Category
High Yield Bond

Morningstar Index
ICE BofA US High Yield TR USD

Portfolio Manager(s)

James Keenan since 12-2007
Mitchell Garfin since 05-2009
Derek Schoenhofen 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 14.76 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.49 is 45.56% lower than the High Yield Bond category average.

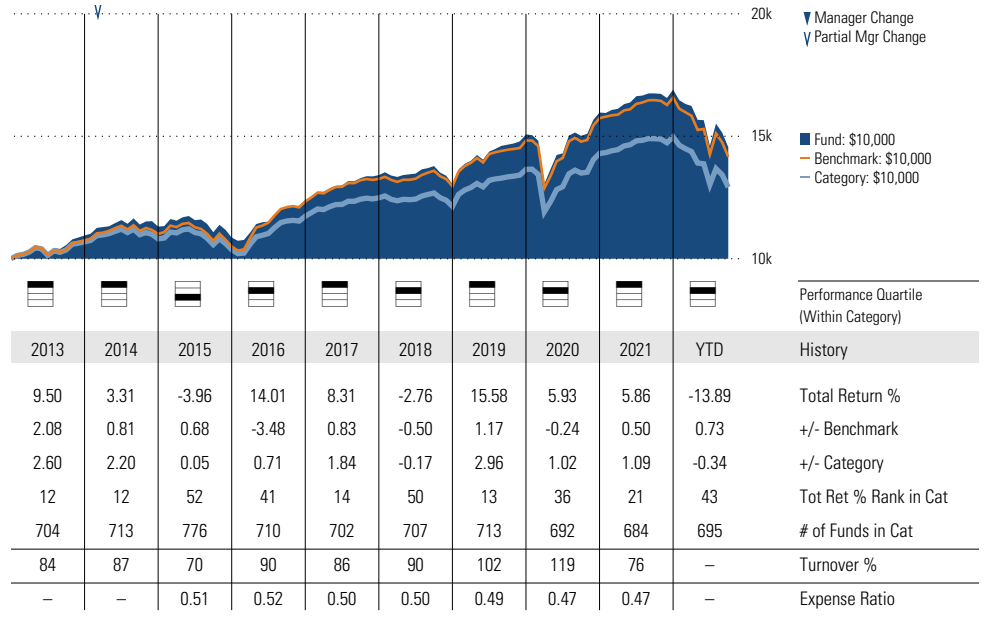
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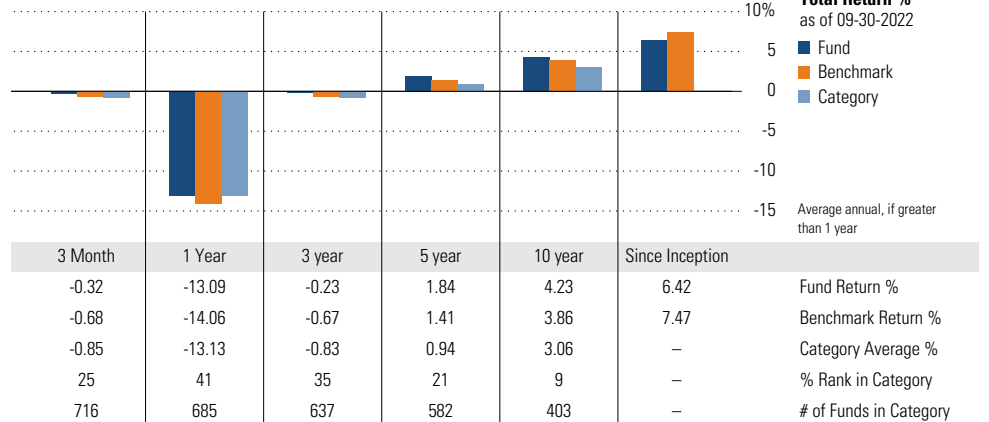
ESG Metrics

Metric	Rating	Updated
ESG Commitment	2-Basic	02-15-2022

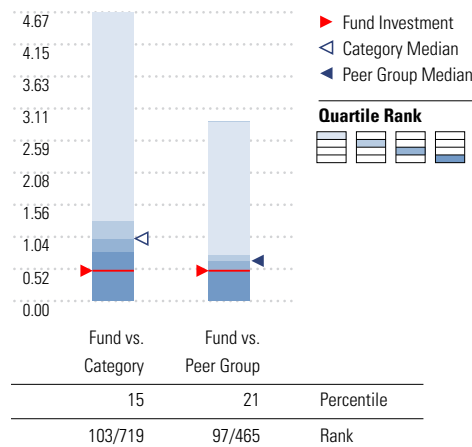
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.46	-	-0.22
Beta	1.01	-	0.95
R-Squared	99.37	-	95.19
Standard Deviation	11.24	11.14	10.79
Sharpe Ratio	-0.02	-0.06	-0.07
Tracking Error	0.90	-	2.50
Information Ratio	0.50	-	-0.16
Up Capture Ratio	100.80	-	91.62
Down Capture Ratio	97.28	-	93.77

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	3.81	-	3.71
Avg Eff Maturity	7.14	-	5.59

BlackRock High Yield Bond K BRHYX

Morningstar Category
High Yield Bond

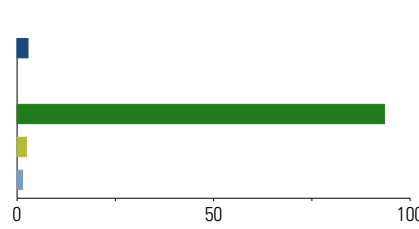
Morningstar Index
ICE BofA US High Yield TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

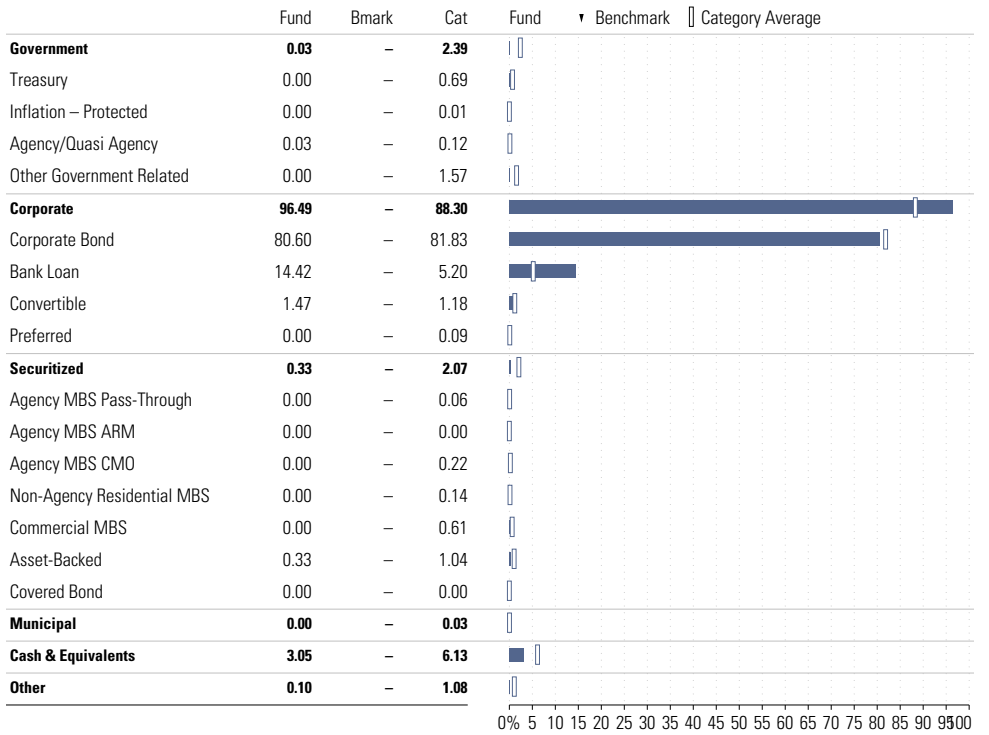


Asset Class	Net %	Cat%
US Stocks	2.77	0.89
Non-US Stocks	0.00	0.03
Bonds	93.46	91.71
Cash	2.37	3.24
Other	1.40	4.13
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	2.40	-	1.75
AA	0.00	-	0.05
A	0.16	-	0.19
BBB	1.63	-	4.19
BB	35.33	-	35.65
B	41.99	-	37.64
Below B	15.84	-	18.17
Not Rated	2.65	-	2.36

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ BlackRock Liquidity T-Fund Instl	-	2.61	2.61	-
TransDigm, Inc. 6.25%	03-2026	1.34	3.95	-
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	-	0.78	4.73	-
⊕ Clarios Global Lp 8.5%	05-2027	0.73	5.47	-
⊕ Ascent Resources Utica Holdings LI TI	11-2025	0.69	6.15	-
⊕ Altice France Holdings S A 10.5%	05-2027	0.68	6.83	-
⊖ Brand Energy & Infrastructure Serv TI	06-2024	0.56	7.40	-
⊕ Alliant Holdings Intermediate LLC/Alliant Holdings Co-Issuer Inc 6.75%	10-2027	0.53	7.93	-
Athenahealth Group Inc TI-B	02-2029	0.52	8.45	-
Verscend Escrow Corp 9.75%	08-2026	0.52	8.97	-

Total Holdings 1625

⊕ 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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 17.51 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.63 is 21.25% lower than the Large Blend category average.

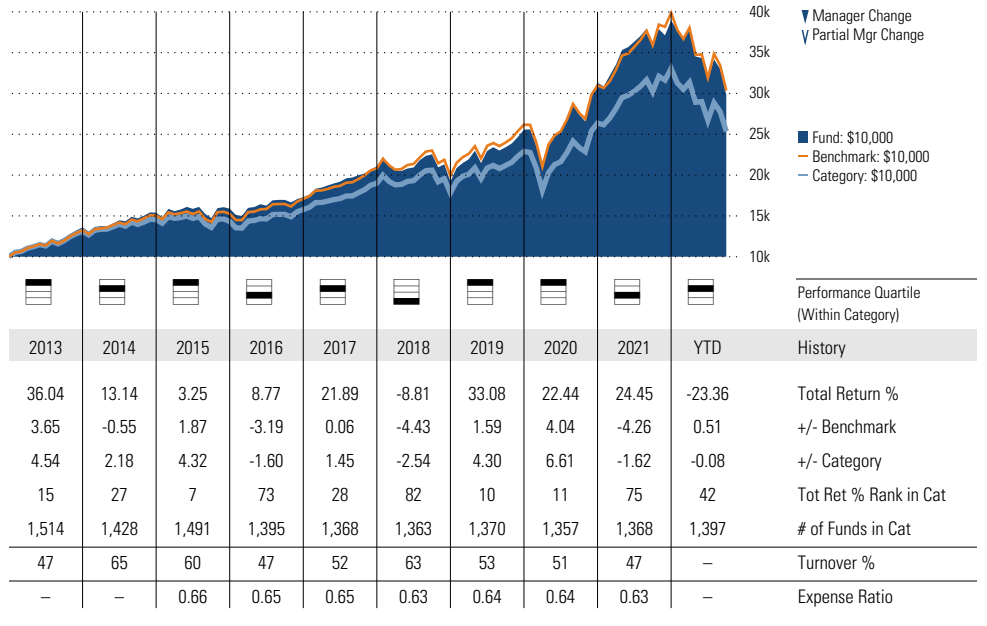
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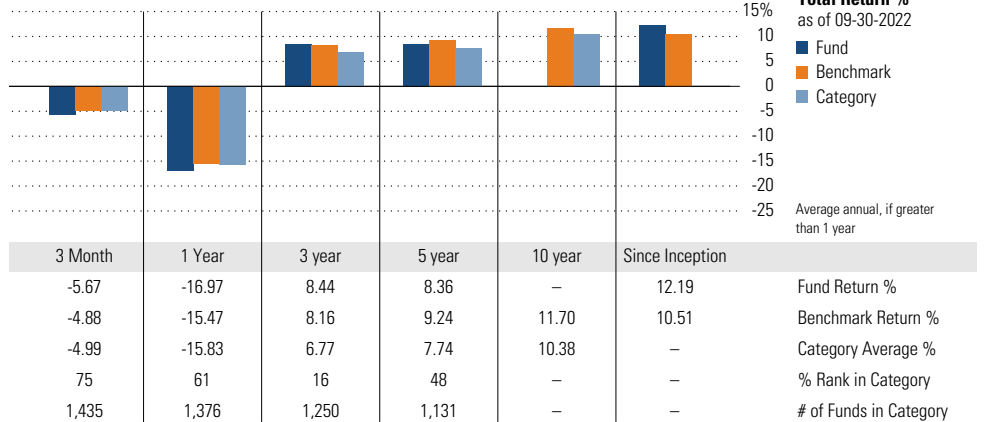
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	03-11-2022

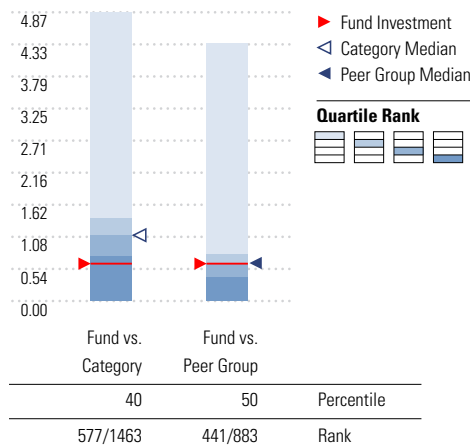
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.39	-	-1.32
Beta	0.98	-	0.96
R-Squared	98.06	-	95.48
Standard Deviation	20.15	20.30	19.87
Sharpe Ratio	0.47	0.45	0.37
Tracking Error	2.83	-	4.01
Information Ratio	0.10	-	-0.98
Up Capture Ratio	98.63	-	92.89
Down Capture Ratio	97.27	-	97.59

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	22.52	17.98	18.23
Price/Book Ratio	3.51	3.38	3.60
Geom Avg Mkt Cap \$B	229.53	164.20	210.33
ROE	26.28	31.94	32.91

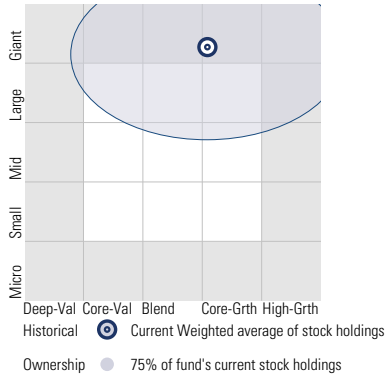
Columbia Contrarian Core Inst3 COFYX

Morningstar Category
Large Blend

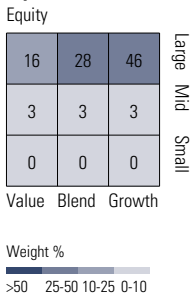
Morningstar Index
S&P 500 TR USD

Style Analysis as of 09-30-2022

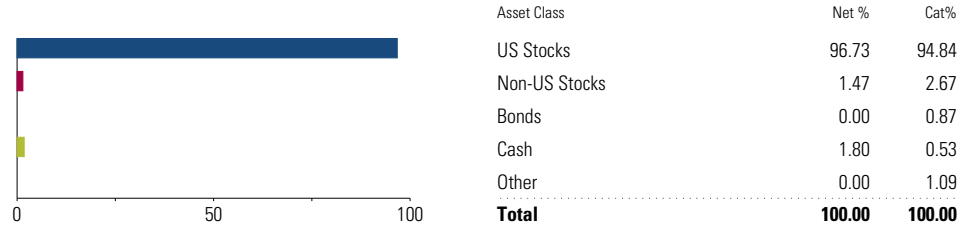
Morningstar Style Box™



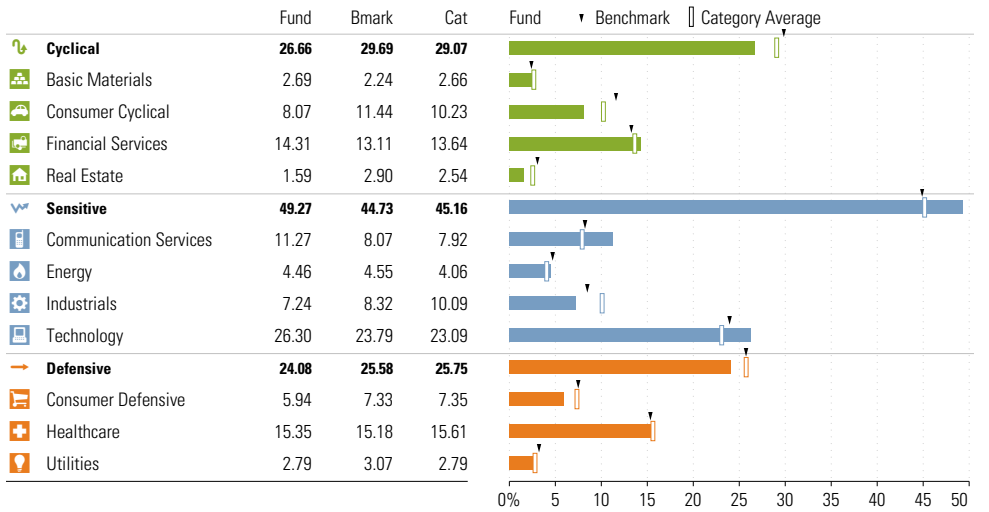
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	7.02	7.02	-30.20	Technology
⊕ Apple Inc	6.48	13.50	-21.79	Technology
Amazon.com Inc	4.66	18.17	-32.22	Consumer Cyclical
Johnson & Johnson	3.54	21.71	-2.57	Healthcare
Raytheon Technologies Corp	3.39	25.10	-3.01	Industrials
Berkshire Hathaway Inc Class B	2.91	28.01	-10.70	Financial Services
Chevron Corp	2.28	30.29	26.06	Energy
Eli Lilly and Co	2.24	32.53	18.13	Healthcare
Walmart Inc	2.16	34.69	-9.20	Consumer Defensive
⊖ Alphabet Inc Class A	2.11	36.81	-33.97	Communication Svc
⊖ Alphabet Inc Class C	2.10	38.91	-33.54	Communication Svc
⊕ Wells Fargo & Co	1.98	40.89	-14.51	Financial Services
⊕ Adobe Inc	1.89	42.79	-51.47	Technology
⊕ Intuit Inc	1.81	44.60	-39.47	Technology
⊕ Columbia Short-Term Cash	1.80	46.39	-	-

Total Holdings 76

⊕ 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
 Allen Pu since 02-2020
 Ethan Wren since 02-2020

Quantitative Screens

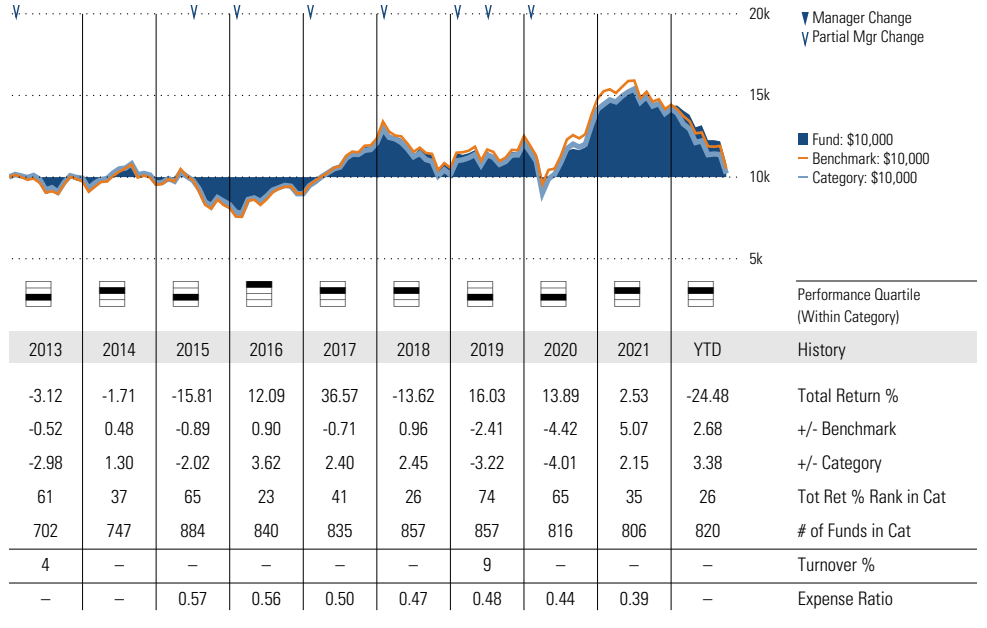
✔ **Performance:** The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.59 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.36 is 68.97% lower than the Diversified Emerging Mkts category average.

Growth of \$10,000



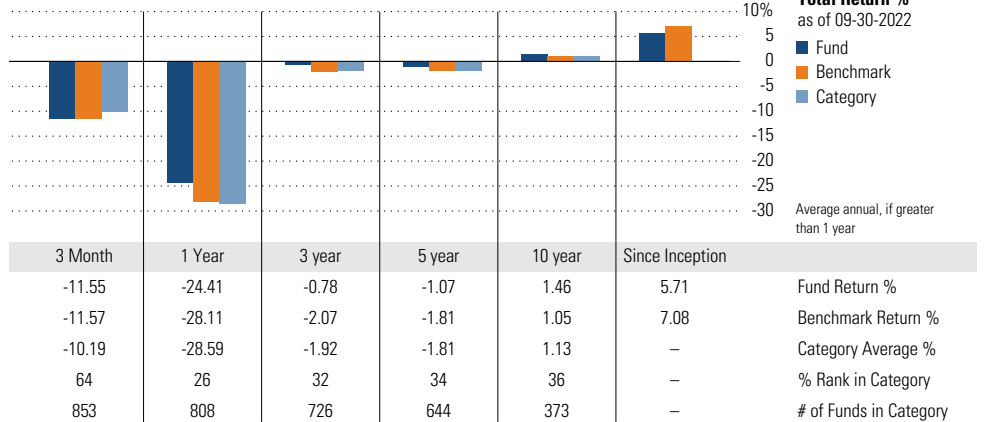
Morningstar Investment Management LLC Analysis

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

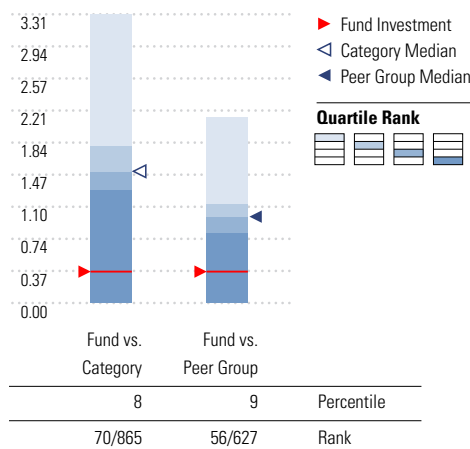
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.47	-	-0.04
Beta	1.02	-	1.01
R-Squared	96.88	-	89.15
Standard Deviation	19.89	19.18	20.61
Sharpe Ratio	0.03	-0.05	-0.05
Tracking Error	3.53	-	6.63
Information Ratio	0.36	-	-0.10
Up Capture Ratio	100.01	-	101.61
Down Capture Ratio	95.10	-	102.73

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	9.68	9.97	10.69
Price/Book Ratio	1.48	1.51	1.71
Geom Avg Mkt Cap \$B	22.44	30.78	38.21
ROE	19.17	17.48	18.39

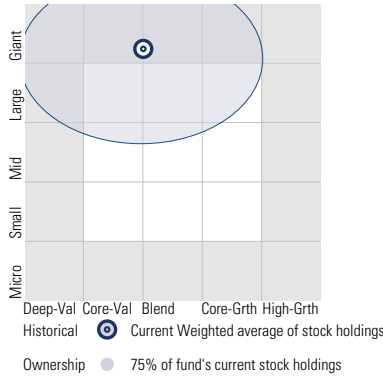
DFA Emerging Markets I DFEMX

Morningstar Category
Diversified Emerging Mkts

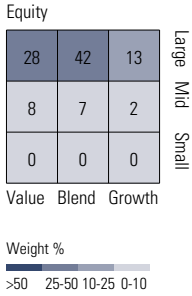
Morningstar Index
MSCI EM NR USD

Style Analysis as of 09-30-2022

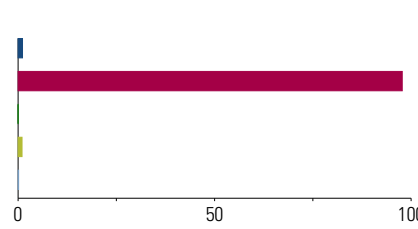
Morningstar Style Box™



Style Breakdown

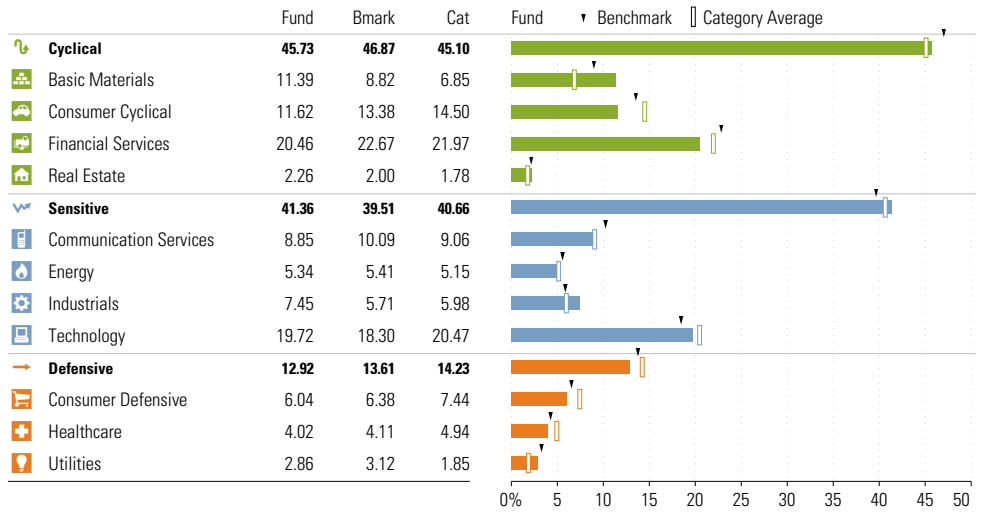


Asset Allocation as of 09-30-2022

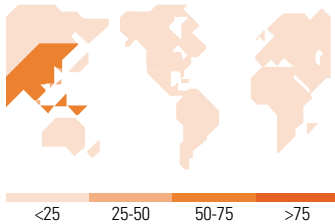


Asset Class	Net %	Cat%
US Stocks	1.12	3.08
Non-US Stocks	97.74	94.37
Bonds	0.01	0.04
Cash	1.00	2.74
Other	0.13	-0.24
Total	100.00	100.00

Sector Weighting as of 09-30-2022



World Regions % Equity 09-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	80.36	75.82	Americas	7.79	14.15	Greater Europe	11.86	10.02	Developed Markets	31.48
Japan	0.00	0.09	North America	0.11	3.05	United Kingdom	0.00	0.64	Emerging Markets	68.52
Australasia	0.00	0.04	Central/Latin	7.68	11.10	W euro-ex UK	0.31	1.63	Not Available	0.00
Asia-4 Tigers	28.72	24.94				Emrgng Europe	1.43	1.13		
Asia-ex 4 Tigers	51.64	50.75				Africa	10.12	6.62		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Taiwan Semiconductor Manufacturing Co Ltd	4.62	4.62	-30.04	Technology
⊕ Tencent Holdings Ltd	3.20	7.81	-44.79	Communication Svc
⊕ Samsung Electronics Co Ltd	3.02	10.84	—	Technology
⊕ Alibaba Group Holding Ltd ADR	1.77	12.61	-32.66	Consumer Cyclical
⊕ Reliance Industries Ltd	1.00	13.61	0.71	Energy
⊕ China Construction Bank Corp Class H	0.80	14.41	-8.83	Financial Services
⊕ Infosys Ltd	0.71	15.12	-24.36	Technology
⊕ Vale SA	0.70	15.83	1.76	Basic Materials
Msci Emgmt Sep22 Ifus 20220916	0.69	16.52	—	—
⊕ Ping An Insurance (Group) Co. of China Ltd Class H	0.62	17.14	-25.59	Financial Services

Total Holdings 1867

⊕ 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 6 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.84 years.

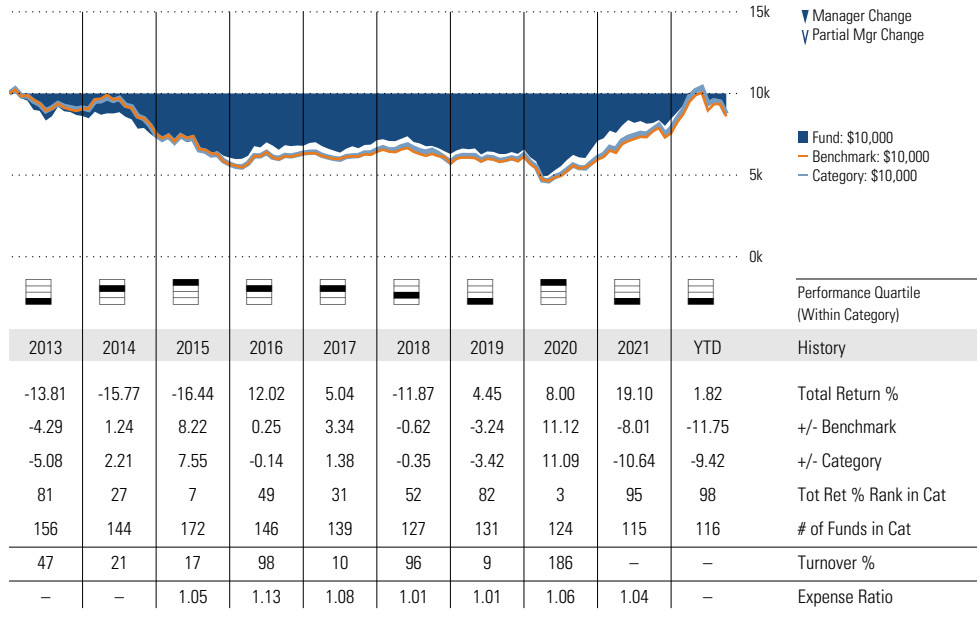
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.11 is 6.73% higher than the Commodities Broad Basket category average.

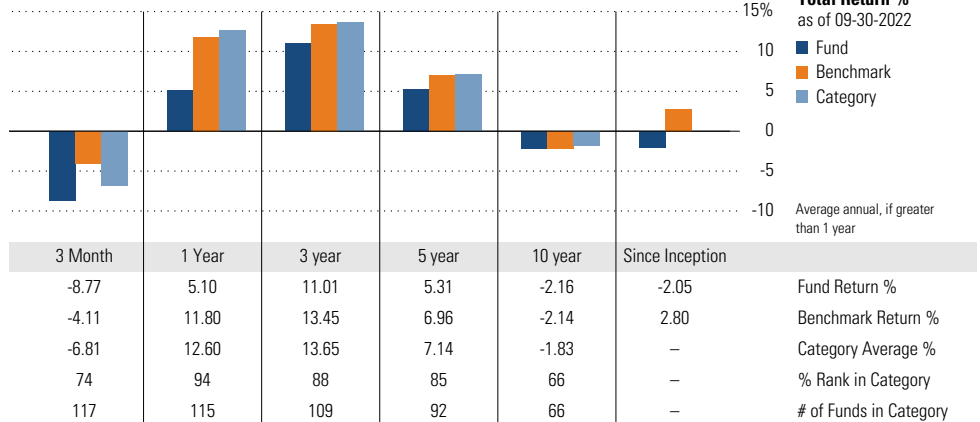
Morningstar Investment Management LLC Analysis

Invesco Balanced-Risk Commodity Strategy has lagged competitors significantly during the commodity resurgence of the past year. That is to be expected given the relatively limited energy exposure that is consistent with the fund's strategy. However, relative results have been worse than we would expect even allowing for a sizable energy underweight. We are placing the fund on watch while we observe how it progresses and assess the fund's ability to get back to results that are consistent with expectations.

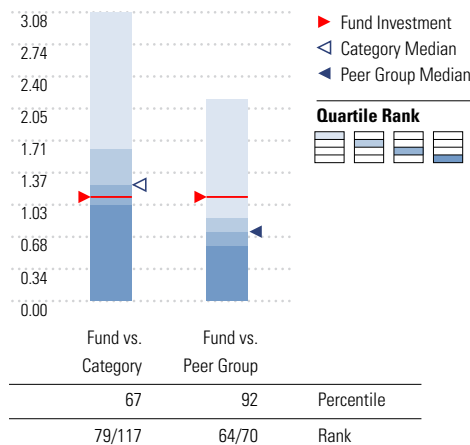
Growth of \$10,000



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	-0.39	-	0.25
Beta	0.87	-	1.03
R-Squared	80.75	-	86.02
Standard Deviation	18.10	18.76	21.13
Sharpe Ratio	0.63	0.73	0.70
Tracking Error	8.32	-	7.77
Information Ratio	-0.29	-	0.08
Up Capture Ratio	85.07	-	102.21
Down Capture Ratio	87.18	-	102.72

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	-	8.51
Price/Book Ratio	-	-	1.62
Geom Avg Mkt Cap \$B	-	-	29.32
ROE	-	-	22.38

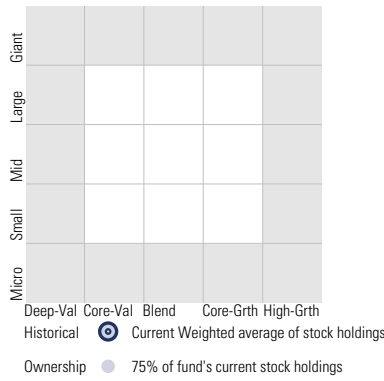
Invesco Balanced-Risk Commodity Strat R6 IBRFX

Morningstar Category
Commodities Broad Basket

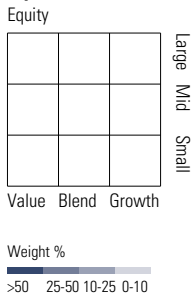
Morningstar Index
Bloomberg Commodity TR USD

Style Analysis as of 09-30-2022

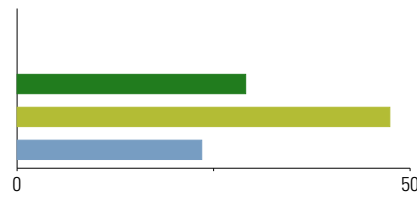
Morningstar Style Box™



Style Breakdown

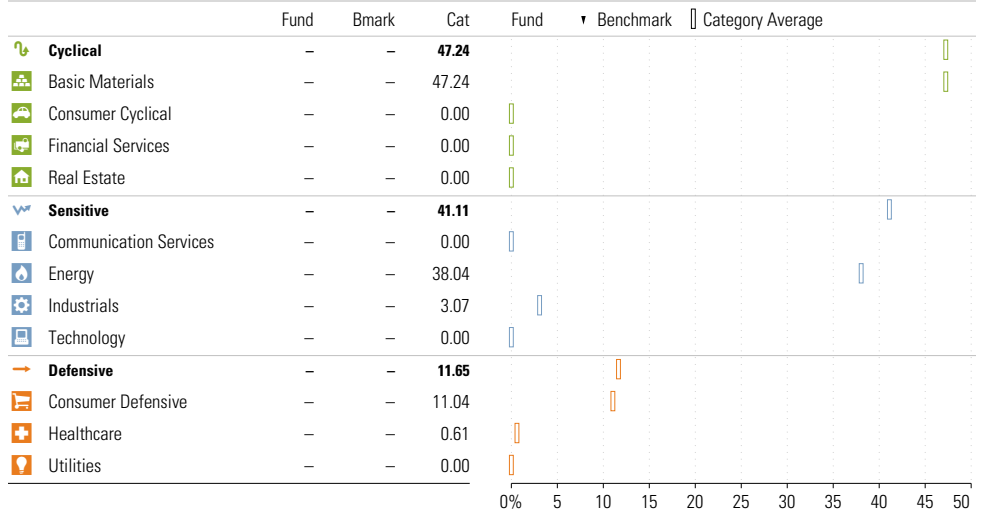


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	0.00	1.14
Non-US Stocks	0.00	0.94
Bonds	29.08	39.10
Cash	47.42	44.53
Other	23.49	14.29
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 14 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Invesco Cayman Commodity Fund Iii Hf	23.49	23.49	-	-
⊕ Invesco Shrt-Trm Inv Treasury Instl	16.56	40.05	-	-
⊕ Invesco Shrt-Trm Inv Gov&Agcy Instl	14.49	54.53	-	-
⊕ Invesco Shrt-Trm Inv Liq Assets Instl	10.27	64.80	-	-
United States Treasury Notes 3.02409%	7.21	72.01	-	-
United States Treasury Notes 3.13609%	6.71	78.72	-	-
United States Treasury Notes 3.08409%	6.29	85.02	-	-
United States Treasury Bills 0%	5.84	90.86	-	-
United States Treasury Bills 0%	5.54	96.39	-	-
⊖ Usd Currency Cash	3.05	99.44	-	-
Citigroup Global Markets Holdings Inc. 0.01%	2.60	102.04	-	-
Societe Generale S.A. 0.1%	1.94	103.98	-	-
Barclays Bank plc 0.1%	1.09	105.07	-	-
Barclays Bank plc 0.01%	1.02	106.09	-	-

Total Holdings 14

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Invesco Equity and Income R6 IEIFX

Morningstar Category
Allocation--70% to 85%
Equity

Morningstar Index
Morningstar US Mod Agg Tgt Alloc NR
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--70% to 85% Equity category's top three quartiles in 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.43 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 0.39 is 61% lower than the Allocation--70% to 85% Equity category average.

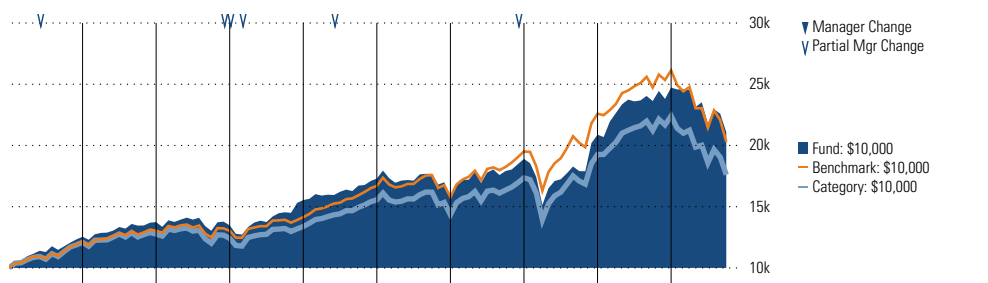
Morningstar Investment Management LLC Analysis

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

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

Growth of \$10,000



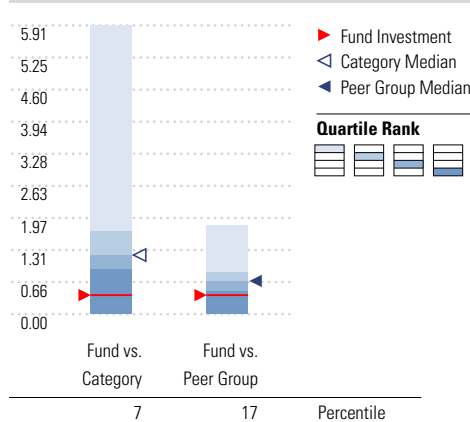
Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD	Performance Quartile (Within Category)
Total Return %	25.48	9.52	-1.93	15.32	11.34	-9.29	20.44	10.45	18.43	-14.73	History
+/- Benchmark	4.21	2.02	-1.90	6.76	-6.69	-3.76	-3.23	-5.33	2.78	7.57	
+/- Category	4.17	3.81	0.84	7.39	-4.46	-1.36	-0.91	-3.06	1.93	6.35	
Tot Ret % Rank in Cat	13	14	64	4	78	93	31	64	10	8	
# of Funds in Cat	409	399	424	377	350	354	343	333	338	332	
Turnover %	26	60	69	93	94	129	138	133	127	-	
Expense Ratio	-	-	0.37	0.37	0.38	0.38	0.38	0.38	0.39	-	

Trailing Performance



Period	3 Month	1 Year	3 year	5 year	10 year	Since Inception	Total Return % as of 09-30-2022
Fund Return %	-3.21	-10.76	5.58	4.74	7.82	7.74	5
Benchmark Return %	-5.37	-17.94	3.62	4.96	7.48	5.22	0
Category Average %	-5.23	-16.74	2.78	3.53	6.27	-	-5
% Rank in Category	9	11	9	18	8	-	5
# of Funds in Category	338	332	309	286	226	-	10

Net Expense



Comparison	7	17	Percentile
Fund vs. Category	23/338	51/301	Rank

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	2.15	-	-0.84
Beta	0.95	-	1.01
R-Squared	88.17	-	94.73
Standard Deviation	16.31	16.07	16.75
Sharpe Ratio	0.37	0.26	0.21
Tracking Error	5.66	-	3.73
Information Ratio	0.35	-	-0.29
Up Capture Ratio	95.57	-	98.74
Down Capture Ratio	85.93	-	103.04

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.82	14.84	13.67
Price/Book Ratio	2.11	2.34	2.27
Avg Eff Duration	5.80	6.45	5.75

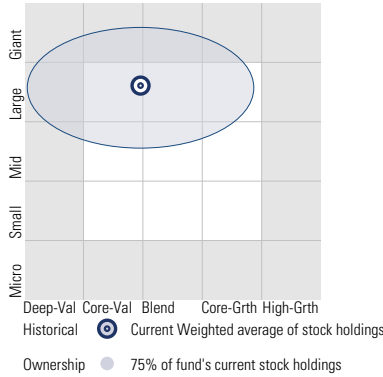
Invesco Equity and Income R6 IEIFX

Morningstar Category
Allocation--70% to 85%
Equity

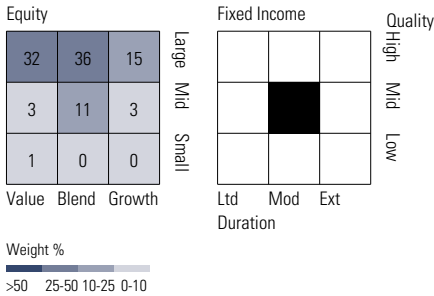
Morningstar Index
Morningstar US Mod Agg Tgt Alloc NR
USD

Style Analysis as of 09-30-2022

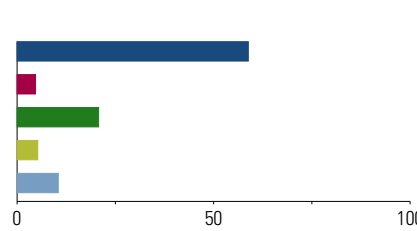
Morningstar Style Box™



Style Breakdown

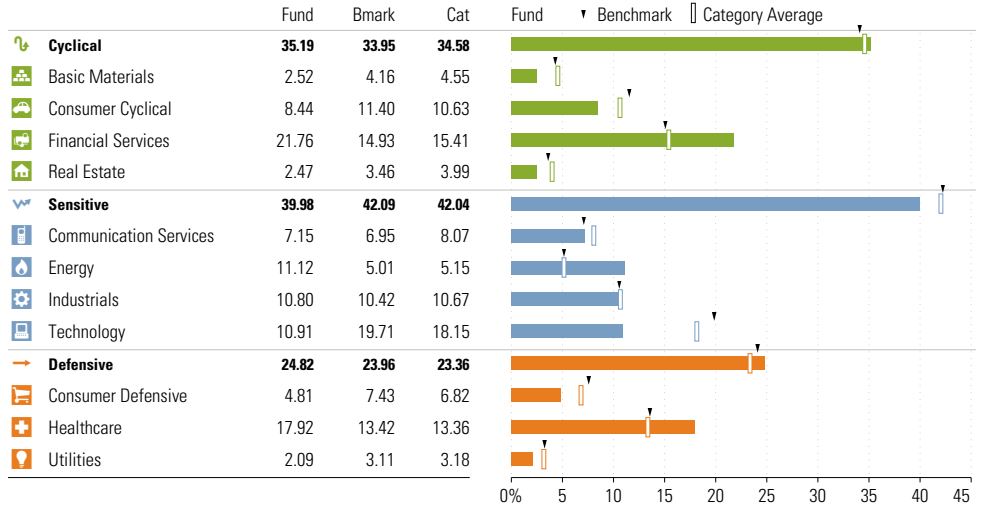


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	58.83	56.26
Non-US Stocks	4.69	17.28
Bonds	20.74	16.19
Cash	5.26	4.96
Other	10.47	5.32
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ United States Treasury Notes 3.125%	08-2027	2.90	2.90	-	-
⊖ Wells Fargo & Co	-	2.55	5.45	-14.51	Financial Services
⊕ United States Treasury Notes 3.25%	08-2024	2.27	7.71	-	-
⊖ ConocoPhillips	-	2.21	9.92	47.02	Energy
⊕ United States Treasury Notes 3.125%	08-2029	2.19	12.12	-	-
⊕ Invesco Shrt-Trm Inv Treasury Instl	-	1.88	14.00	-	-
⊖ General Motors Co	-	1.83	15.83	-45.11	Consumer Cyclical
⊕ Bank of America Corp	-	1.79	17.62	-30.68	Financial Services
⊕ United States Treasury Notes 3.125%	08-2025	1.67	19.29	-	-
⊕ Invesco Shrt-Trm Inv Gov&Agcy Instl	01-2025	1.64	20.94	-	-

Total Holdings 350

⊕ 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)

Mark Blackburn since 04-2005
 Ping-Ying Wang since 11-2006
 James Cowen since 05-2008
 Darin Turner since 04-2010
 Grant Jackson since 06-2018
 Charles (Chip) McKinley since 01-2022

Quantitative Screens

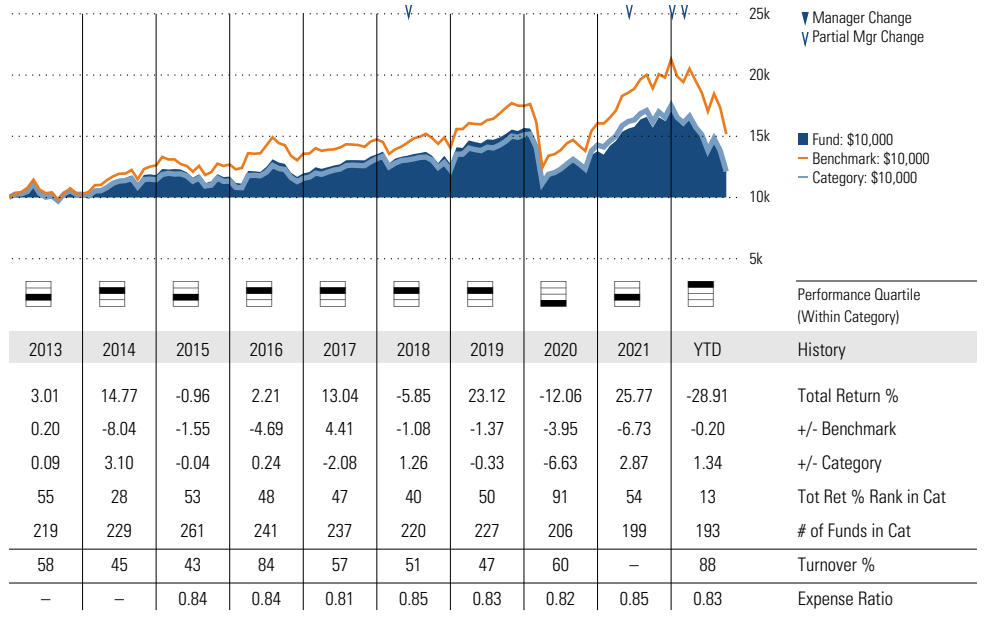
✔ **Performance:** The fund has finished in the Global Real Estate category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 17.43 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 85 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.83 is 28.45% lower than the Global Real Estate category average.

Growth of \$10,000



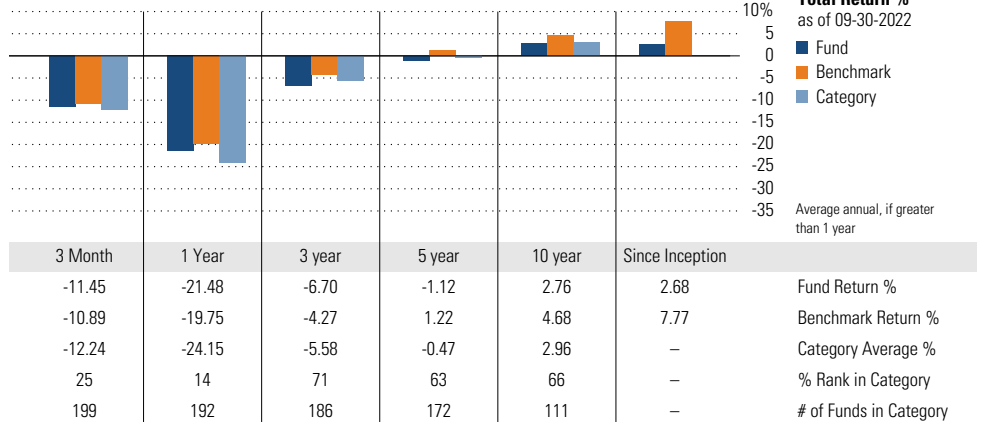
Morningstar Investment Management LLC Analysis

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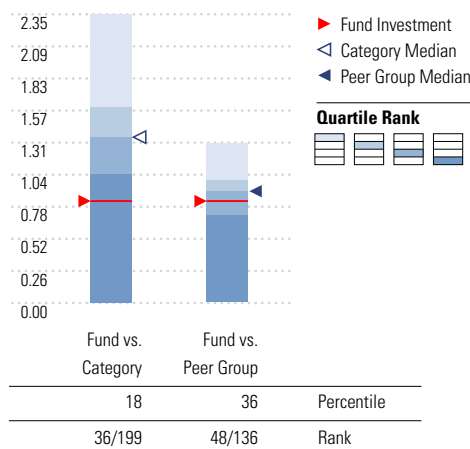
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-3.17	-	-1.36
Beta	0.90	-	0.91
R-Squared	97.62	-	95.56
Standard Deviation	21.05	23.08	21.45
Sharpe Ratio	-0.25	-0.10	-0.16
Tracking Error	3.97	-	4.83
Information Ratio	-0.61	-	-0.17
Up Capture Ratio	85.23	-	90.54
Down Capture Ratio	95.53	-	94.66

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.79	15.36	11.90
Price/Book Ratio	1.46	1.41	1.14
Geom Avg Mkt Cap \$B	13.72	9.54	11.00
ROE	8.36	12.02	13.47

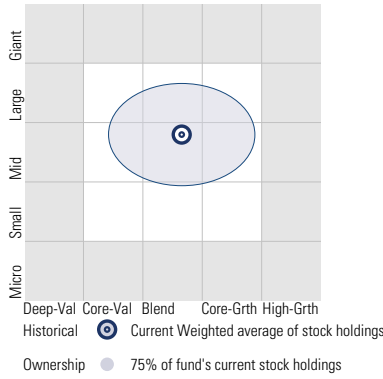
Invesco Global Real Estate R6 FGREX

Morningstar Category
Global Real Estate

Morningstar Index
S&P Global REIT TR USD

Style Analysis as of 09-30-2022

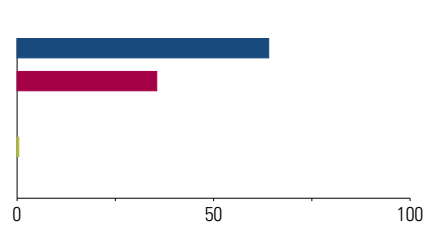
Morningstar Style Box™



Style Breakdown

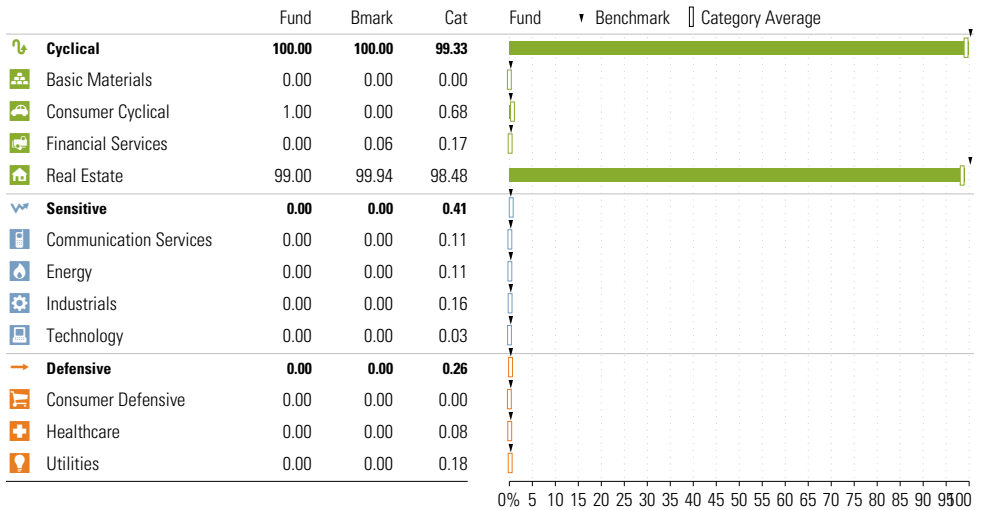


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	64.02	46.86
Non-US Stocks	35.54	43.55
Bonds	0.00	1.69
Cash	0.43	0.94
Other	0.00	6.97
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Prologis Inc	6.24	6.24	-38.25	Real Estate
⊖ Invitation Homes Inc	4.22	10.46	-24.06	Real Estate
⊖ AvalonBay Communities Inc	4.06	14.52	-25.19	Real Estate
⊖ UDR Inc	3.97	18.48	-28.60	Real Estate
⊖ VICI Properties Inc Ordinary Shares	3.79	22.28	2.82	Real Estate
⊖ Equinix Inc	3.33	25.61	-31.65	Real Estate
⊖ Sun Communities Inc	2.81	28.42	-34.29	Real Estate
⊕ Realty Income Corp	2.72	31.14	-15.60	Real Estate
⊖ Kimco Realty Corp	2.70	33.84	-22.84	Real Estate
⊕ Alexandria Real Estate Equities Inc	2.51	36.34	-35.55	Real Estate
⊖ Rexford Industrial Realty Inc	2.48	38.83	-34.72	Real Estate
⊕ Digital Realty Trust Inc	2.30	41.13	-41.86	Real Estate
⊖ Life Storage Inc	2.20	43.33	-25.68	Real Estate
⊕ Healthcare Realty Trust Inc	1.98	45.31	-31.16	Real Estate
⊖ Welltower OP LLC	1.92	47.23	-22.88	Real Estate

Total Holdings 107

⊕ 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 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 19.6 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 0.4 is 56.04% lower than the Large Value category average.

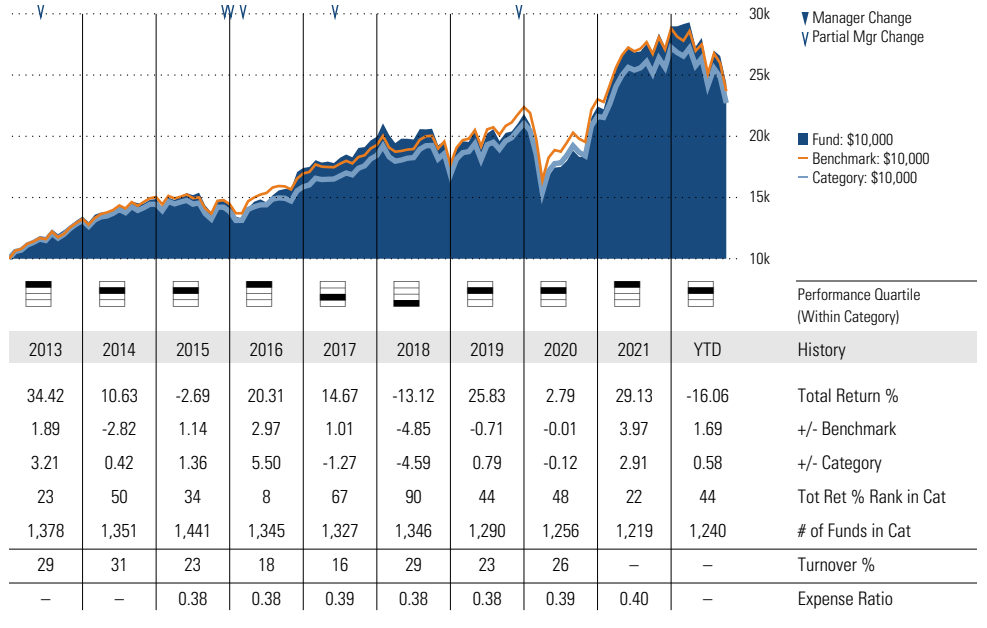
Morningstar Investment Management LLC Analysis

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

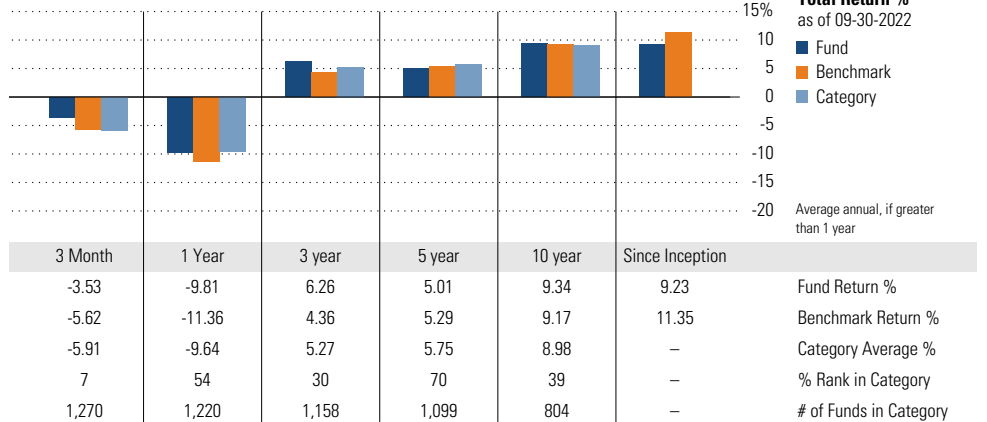
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

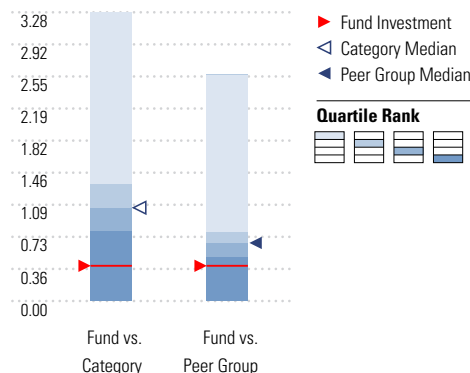
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.69	-	1.02
Beta	1.11	-	0.98
R-Squared	96.74	-	95.47
Standard Deviation	23.16	20.45	20.54
Sharpe Ratio	0.35	0.28	0.32
Tracking Error	4.78	-	4.62
Information Ratio	0.40	-	0.21
Up Capture Ratio	107.02	-	99.08
Down Capture Ratio	100.84	-	95.67

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.85	13.75	12.66
Price/Book Ratio	2.12	2.00	2.12
Geom Avg Mkt Cap \$B	81.36	64.23	95.02
ROE	21.57	18.55	25.15

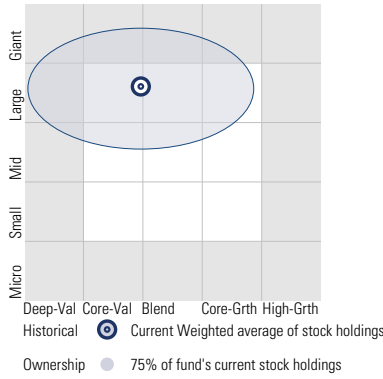
Invesco Growth and Income R6 GIFFX

Morningstar Category
Large Value

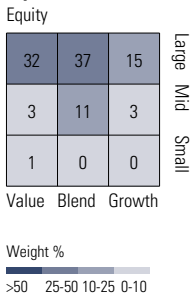
Morningstar Index
Russell 1000 Value TR USD

Style Analysis as of 09-30-2022

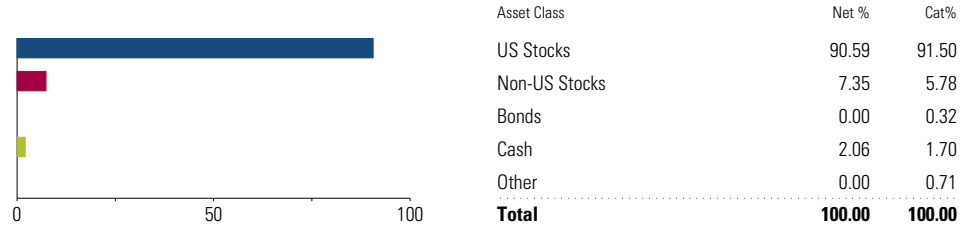
Morningstar Style Box™



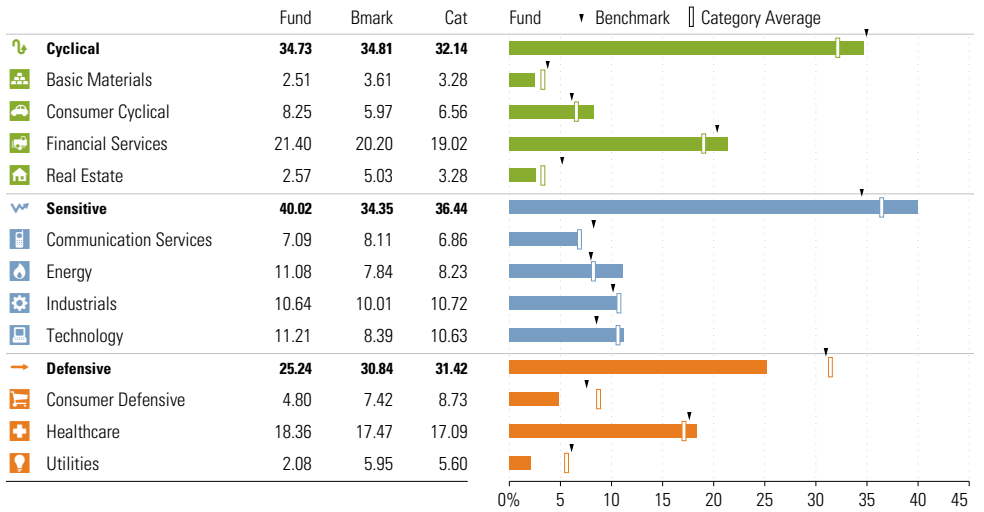
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Wells Fargo & Co	3.83	3.83	-14.51	Financial Services
⊖ ConocoPhillips	3.48	7.31	47.02	Energy
⊖ General Motors Co	2.72	10.02	-45.11	Consumer Cyclical
⊖ Cognizant Technology Solutions Corp Class A	2.70	12.72	-34.34	Technology
⊕ Bank of America Corp	2.70	15.42	-30.68	Financial Services
⊕ Meln_Gl_Fxgl	2.64	18.06	-	-
⊕ Meln_Gl_Fxgl	2.63	20.69	-	-
⊖ CBRE Group Inc Class A	2.49	23.18	-37.78	Real Estate
⊖ American International Group Inc	2.32	25.50	-14.81	Financial Services
⊕ Exxon Mobil Corp	2.16	27.66	47.00	Energy
⊖ Merck & Co Inc	2.09	29.75	15.07	Healthcare
⊖ T-Mobile US Inc	2.00	31.75	15.68	Communication Svc
⊕ Johnson & Johnson	1.89	33.64	-2.57	Healthcare
⊖ Cigna Corp	1.86	35.50	22.30	Healthcare
⊖ The Goldman Sachs Group Inc	1.85	37.35	-21.70	Financial Services

Total Holdings 86

⊕ 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 11-2010
Jonathan Tse since 11-2019
Akash Gupta since 11-2019
Wonseok Choi 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 11.92 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 0.76 is 33.91% lower than the Small Value category average.

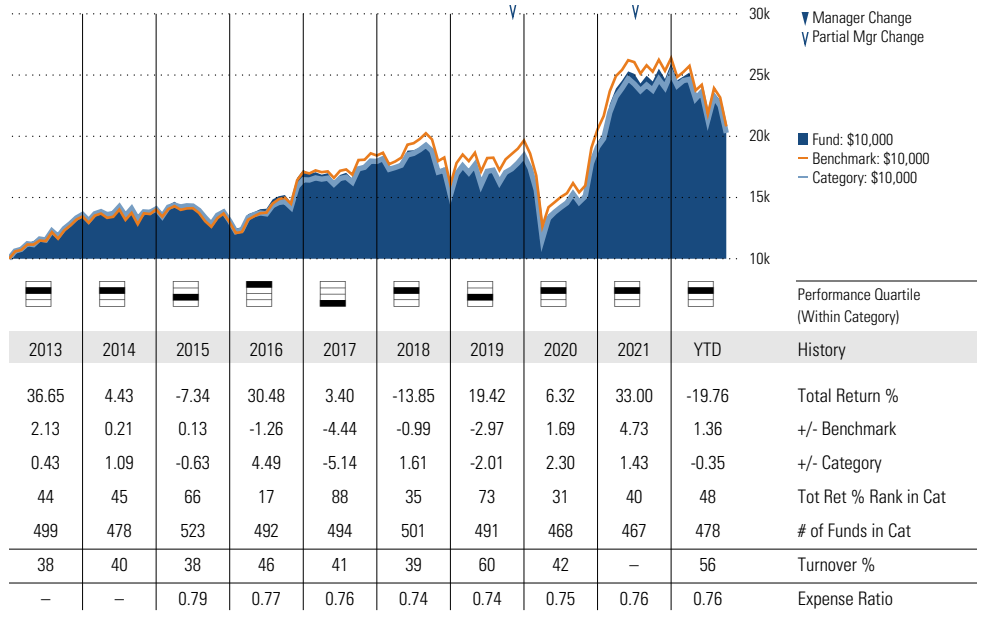
Morningstar Investment Management LLC Analysis

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

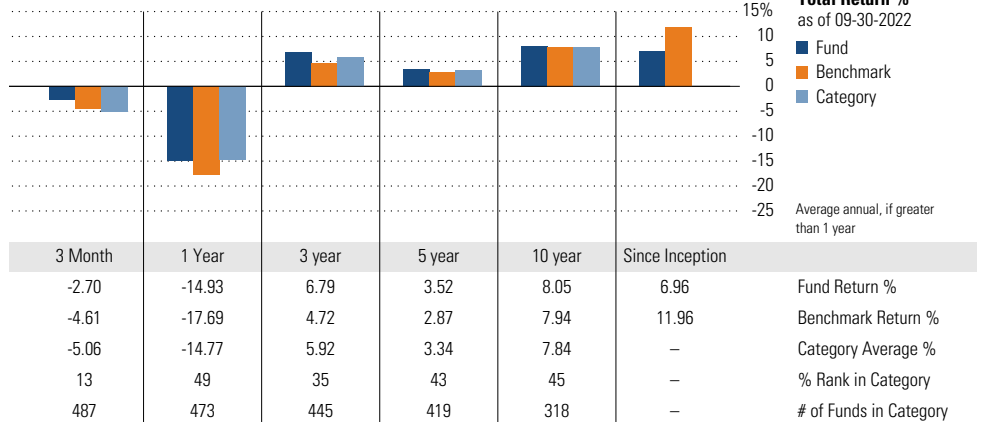
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

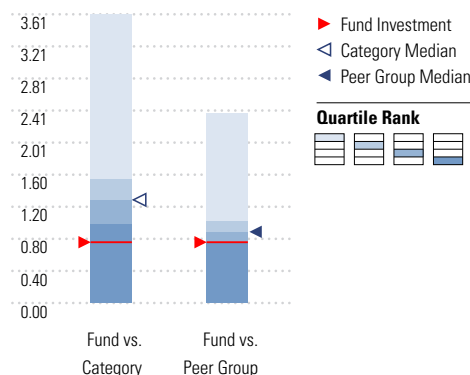
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.98	-	0.96
Beta	0.98	-	0.99
R-Squared	99.12	-	94.89
Standard Deviation	26.15	26.48	26.98
Sharpe Ratio	0.36	0.28	0.31
Tracking Error	2.50	-	6.33
Information Ratio	0.83	-	0.12
Up Capture Ratio	101.49	-	99.47
Down Capture Ratio	95.78	-	97.32

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	9.47	8.44	9.93
Price/Book Ratio	1.43	1.16	1.45
Geom Avg Mkt Cap \$B	2.11	1.65	3.37
ROE	11.88	7.02	16.19

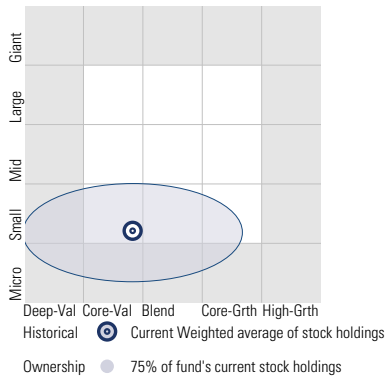
JPMorgan Small Cap Value R6 JSVUX

Morningstar Category
Small Value

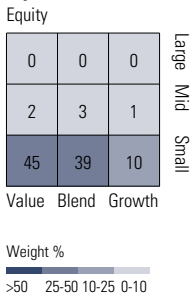
Morningstar Index
Russell 2000 Value TR USD

Style Analysis as of 09-30-2022

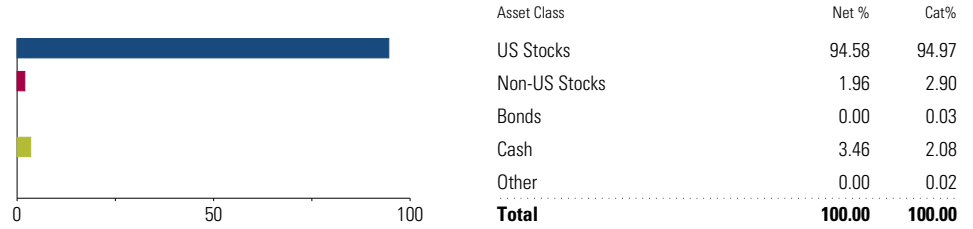
Morningstar Style Box™



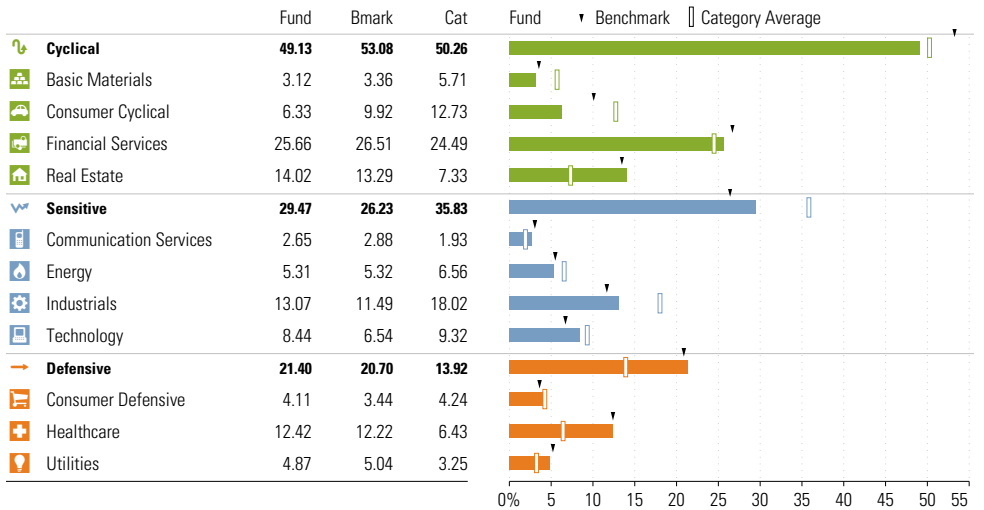
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan Prime Money Market Inst	3.46	3.46	-	-
⊖ Academy Sports and Outdoors Inc Ordinary Shares	1.08	4.54	-3.41	Consumer Cyclical
⊖ Agree Realty Corp	1.00	5.54	-2.38	Real Estate
⊖ New Jersey Resources Corp	0.92	6.46	-3.10	Utilities
⊖ Essent Group Ltd	0.87	7.33	-22.03	Financial Services
⊖ Xerox Holdings Corp	0.87	8.21	-38.91	Technology
⊖ Hub Group Inc Class A	0.85	9.05	-18.11	Industrials
⊖ Radian Group Inc	0.82	9.87	-5.87	Financial Services
⊖ Encore Wire Corp	0.77	10.65	-19.22	Industrials
⊖ Old National Bancorp	0.77	11.42	-6.79	Financial Services
⊖ Blackstone Mortgage Trust Inc A	0.76	12.18	-17.70	Real Estate
⊖ Ping Identity Holding Corp Ordinary Shares	0.75	12.92	22.68	Technology
⊖ NOW Inc	0.72	13.65	17.68	Energy
⊖ Darling Ingredients Inc	0.68	14.33	-4.53	Consumer Defensive
⊖ Allscripts Healthcare Solutions Inc	0.68	15.00	-17.45	Healthcare

Total Holdings 421

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2020 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.4 is 35.48% lower than the Target-Date 2020 category average.

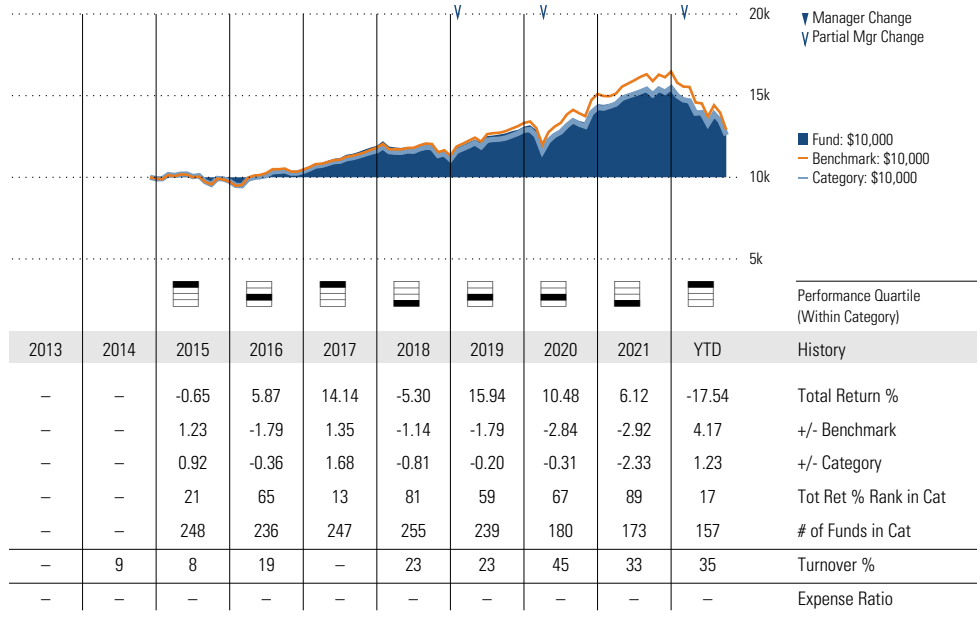
Morningstar Investment Management LLC Analysis

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

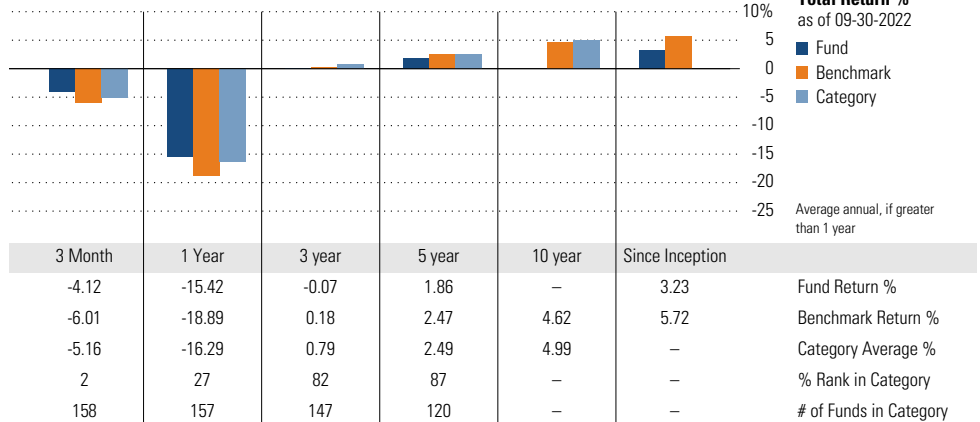
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

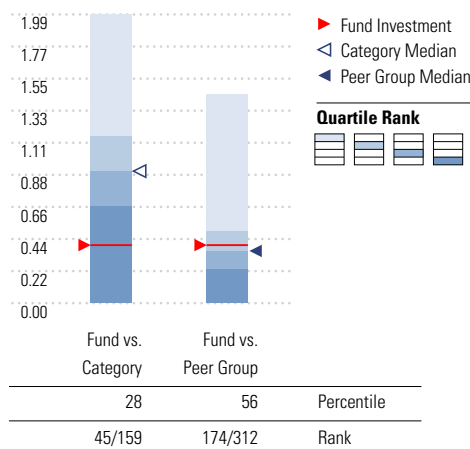
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.30	-	0.49
Beta	0.83	-	0.91
R-Squared	96.72	-	96.55
Standard Deviation	10.13	12.06	11.16
Sharpe Ratio	-0.02	0.02	0.06
Tracking Error	2.78	-	2.40
Information Ratio	-0.09	-	0.26
Up Capture Ratio	80.71	-	91.63
Down Capture Ratio	82.44	-	88.58

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.91	14.18	14.40
Price/Book Ratio	2.68	2.10	2.20
Avg Eff Duration	5.70	-	5.74

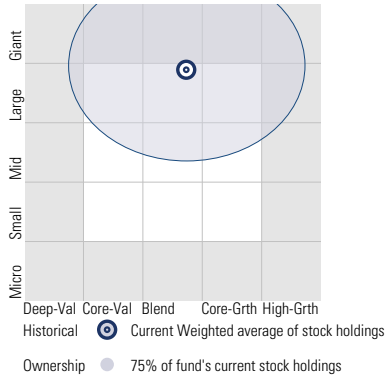
JPMorgan SmartRetirement® 2020 R6 JTTYX

Morningstar Category
Target-Date 2020

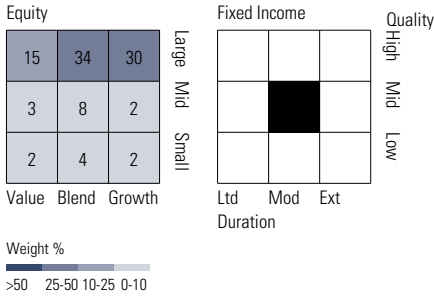
Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 09-30-2022

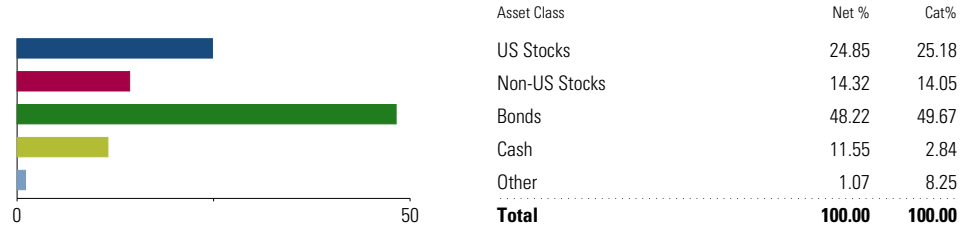
Morningstar Style Box™



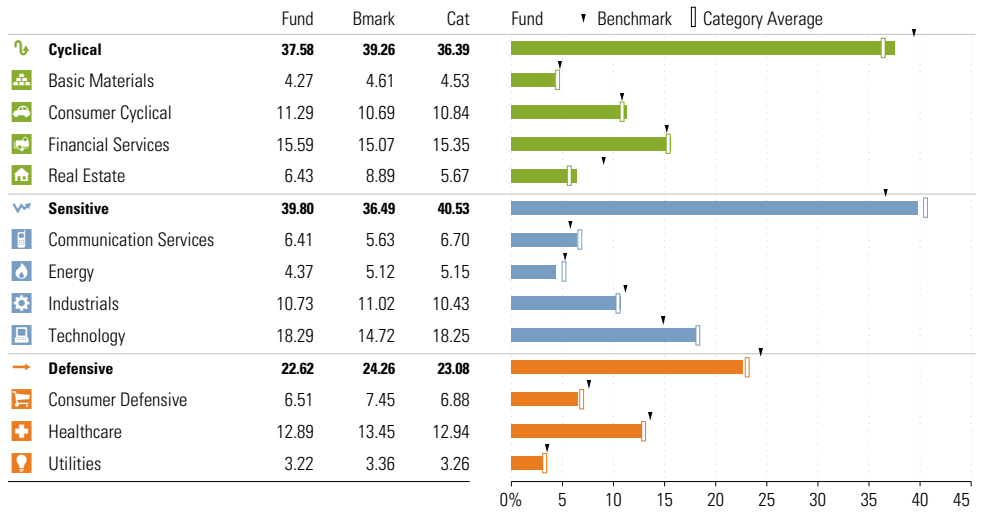
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Bond R6	–	27.72	27.72	–	–
⊖ JPMorgan US Equity R6	–	9.86	37.58	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	9.61	47.19	–	–
⊖ JPMorgan Core Plus Bond R6	–	9.22	56.41	–	–
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	8.47	64.88	–	–
⊖ JPMorgan Inflation Managed Bond ETF	–	7.58	72.46	–	–
⊖ JPMorgan International Rsrch Enh Eq ETF	–	5.87	78.33	–	–
⊖ JPMorgan High Yield R6	–	4.57	82.90	–	–
JPMorgan International Equity R6	–	3.87	86.77	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	2.49	89.26	–	–

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2025 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.41 is 38.81% lower than the Target-Date 2025 category average.

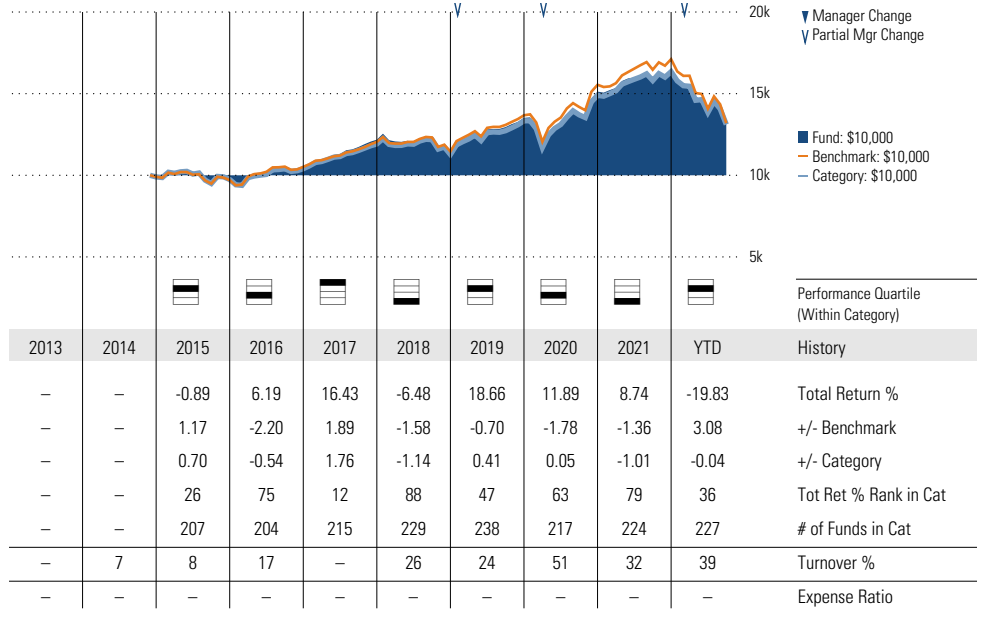
Morningstar Investment Management LLC Analysis

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

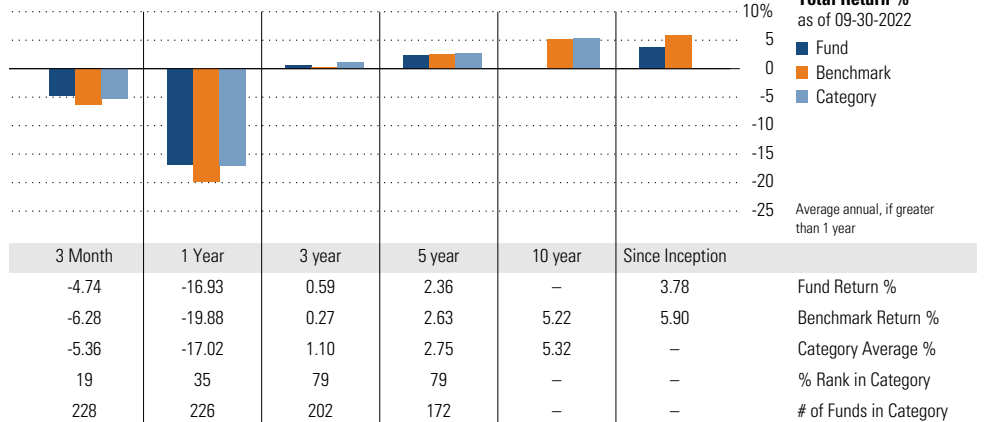
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

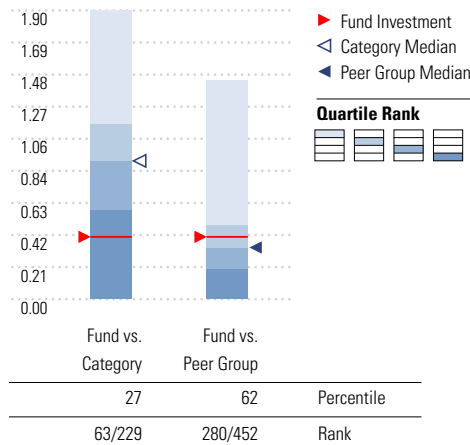
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.30	-	0.75
Beta	0.92	-	0.91
R-Squared	97.52	-	97.24
Standard Deviation	12.30	13.21	12.18
Sharpe Ratio	0.06	0.04	0.09
Tracking Error	2.21	-	2.51
Information Ratio	0.15	-	0.39
Up Capture Ratio	92.37	-	93.65
Down Capture Ratio	90.63	-	89.36

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.74	14.04	14.57
Price/Book Ratio	2.66	2.08	2.25
Avg Eff Duration	5.71	-	6.68

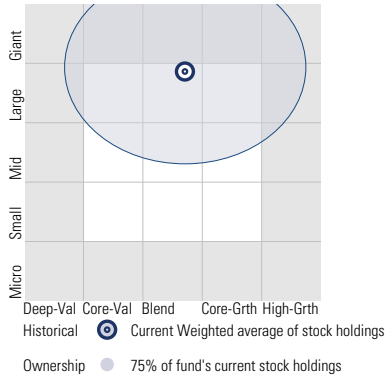
JPMorgan SmartRetirement® 2025 R6 JNSYX

Morningstar Category
Target-Date 2025

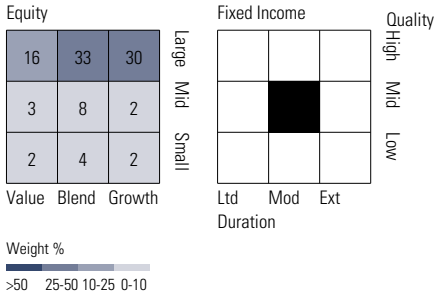
Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 09-30-2022

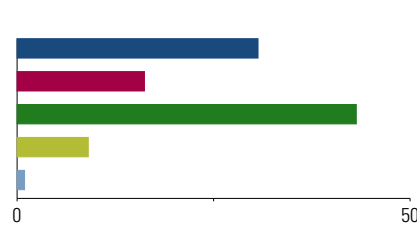
Morningstar Style Box™



Style Breakdown

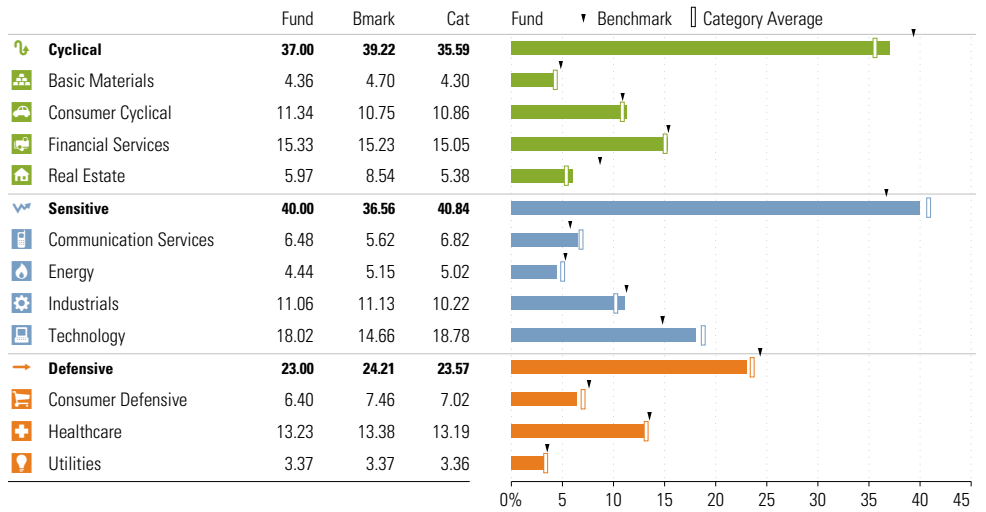


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	30.65	31.08
Non-US Stocks	16.20	15.10
Bonds	43.15	38.70
Cash	9.05	3.36
Other	0.95	11.77
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan Core Bond R6	—	26.32	26.32	—	—
⊖ JPMorgan US Equity R6	—	12.24	38.56	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	12.21	50.78	—	—
⊕ JPMorgan Core Plus Bond R6	—	8.80	59.58	—	—
JPMorgan International Rsrch Enh Eq ETF	—	7.24	66.81	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	5.96	72.77	—	—
JPMorgan International Equity R6	—	4.88	77.65	—	—
⊕ JPMorgan High Yield R6	—	4.87	82.52	—	—
JPMorgan Inflation Managed Bond ETF	—	3.92	86.45	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	3.00	89.44	—	—

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✗ **Performance:** The fund has finished in the Target-Date 2030 category's top three quartiles in 5 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.42 is 38.24% lower than the Target-Date 2030 category average.

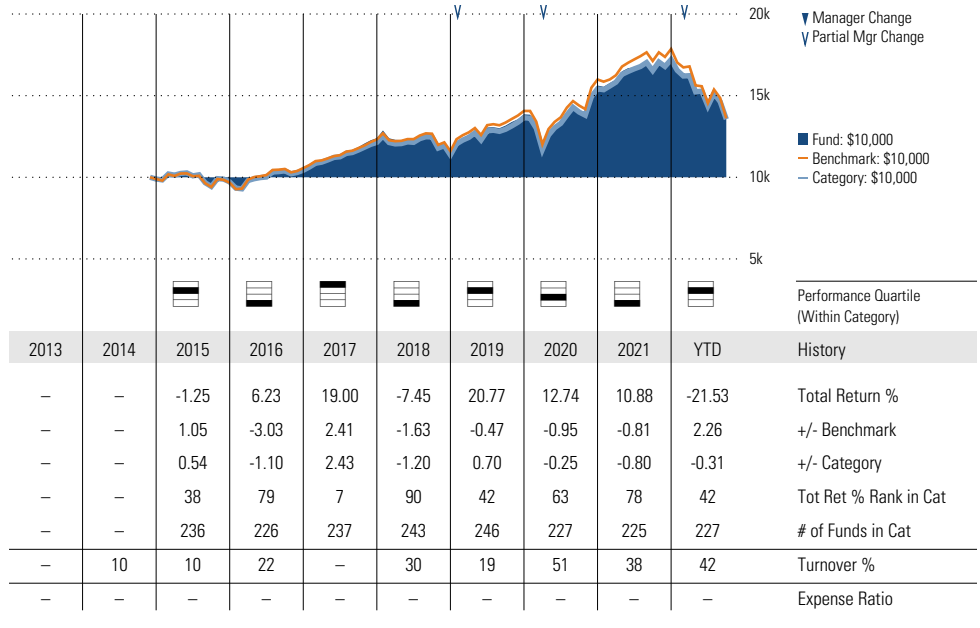
Morningstar Investment Management LLC Analysis

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

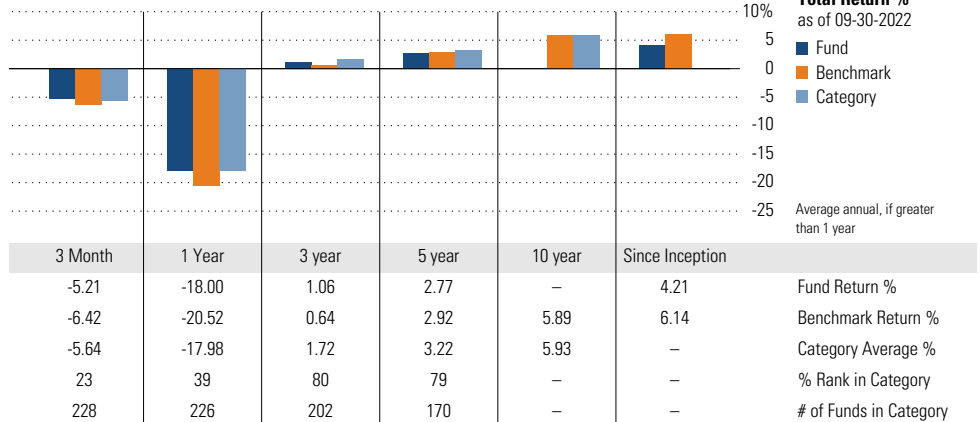
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

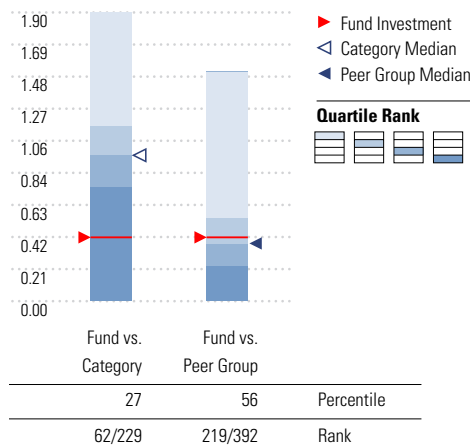
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.42	-	1.01
Beta	0.96	-	0.94
R-Squared	98.49	-	98.16
Standard Deviation	14.16	14.65	13.83
Sharpe Ratio	0.10	0.07	0.14
Tracking Error	1.84	-	2.26
Information Ratio	0.23	-	0.53
Up Capture Ratio	97.04	-	97.46
Down Capture Ratio	94.89	-	92.27

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.77	13.89	14.73
Price/Book Ratio	2.66	2.05	2.30
Avg Eff Duration	5.78	-	6.88

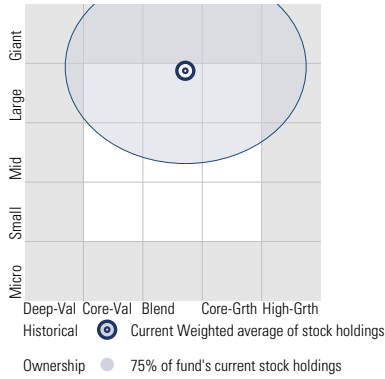
JPMorgan SmartRetirement® 2030 R6 JSMYX

Morningstar Category
Target-Date 2030

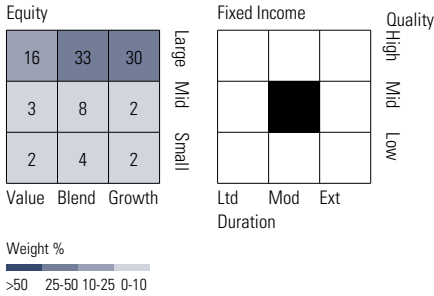
Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 09-30-2022

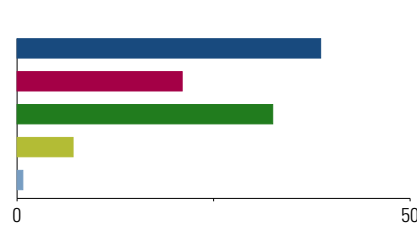
Morningstar Style Box™



Style Breakdown

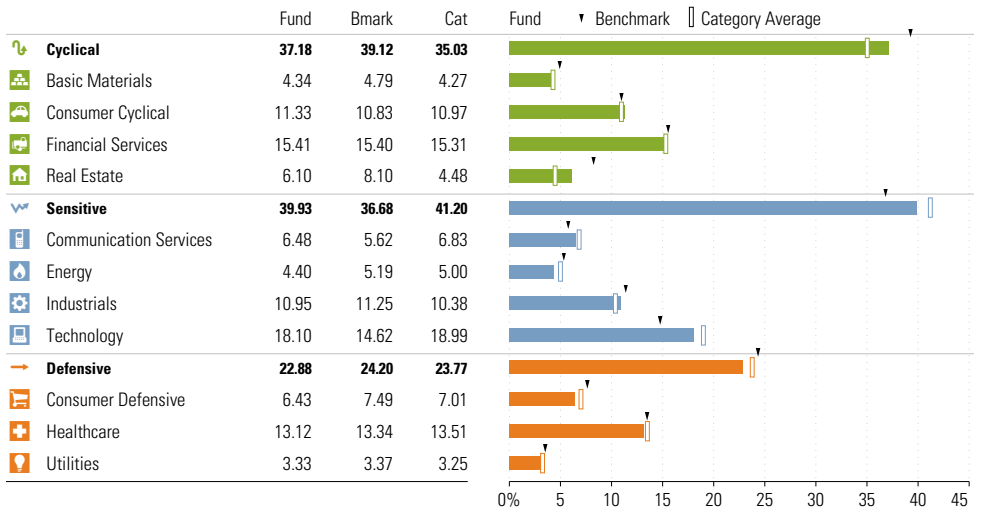


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	38.62	38.85
Non-US Stocks	21.00	18.16
Bonds	32.52	30.40
Cash	7.12	2.22
Other	0.73	10.37
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan Core Bond R6	—	21.38	21.38	—	—
⊖ JPMorgan US Equity R6	—	15.45	36.83	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	15.42	52.25	—	—
JPMorgan International Rsrch Enh Eq ETF	—	9.18	61.43	—	—
⊕ JPMorgan Core Plus Bond R6	—	7.15	68.58	—	—
JPMorgan International Equity R6	—	6.06	74.64	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	4.26	78.90	—	—
⊕ JPMorgan High Yield R6	—	4.26	83.16	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	3.77	86.93	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	2.69	89.63	—	—

Total Holdings 21

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2035 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.44 is 37.14% lower than the Target-Date 2035 category average.

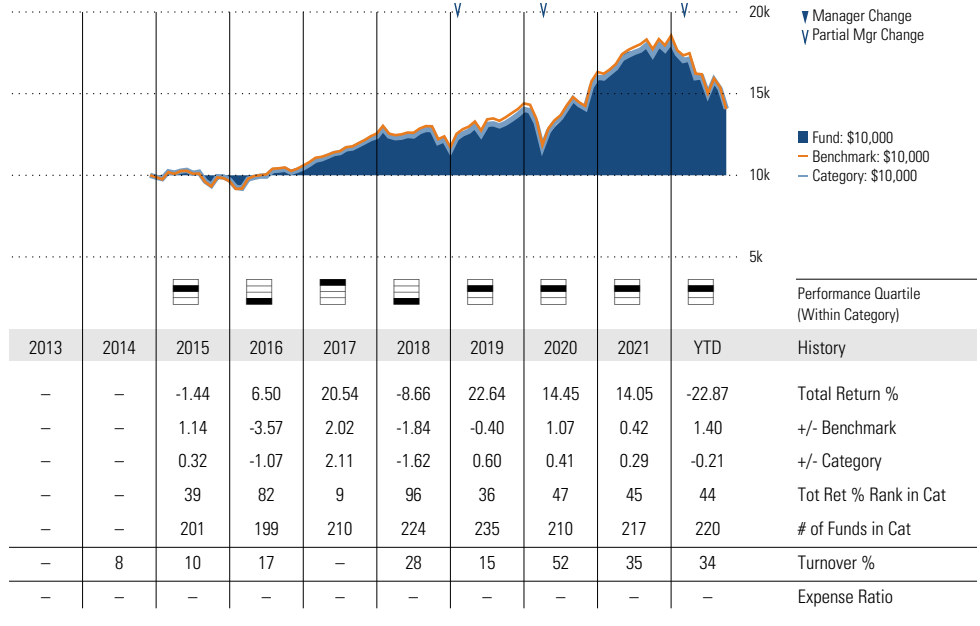
Morningstar Investment Management LLC Analysis

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

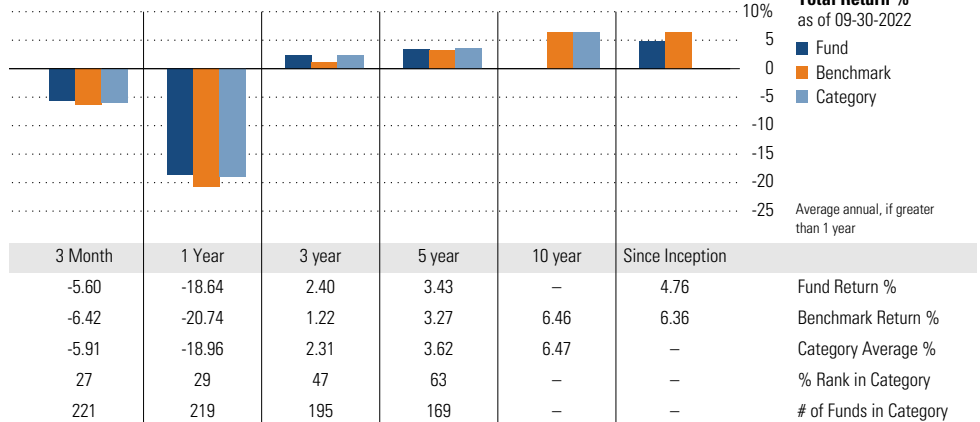
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

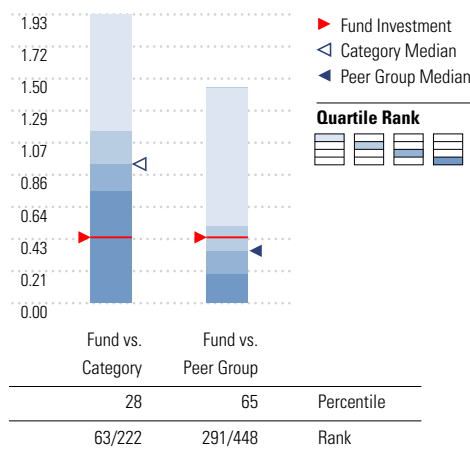
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.17	-	1.12
Beta	0.99	-	0.96
R-Squared	98.84	-	98.55
Standard Deviation	16.22	16.24	15.63
Sharpe Ratio	0.19	0.12	0.18
Tracking Error	1.75	-	2.15
Information Ratio	0.67	-	0.61
Up Capture Ratio	102.11	-	99.42
Down Capture Ratio	96.82	-	94.36

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.66	13.74	14.52
Price/Book Ratio	2.57	2.03	2.26
Avg Eff Duration	5.89	-	7.30

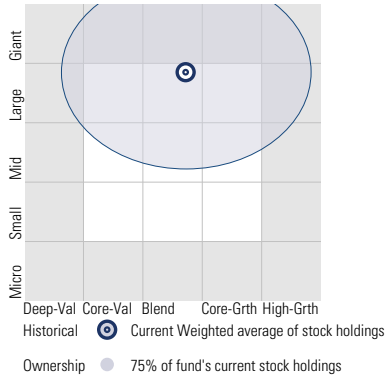
JPMorgan SmartRetirement® 2035 R6 SRJYX

Morningstar Category
Target-Date 2035

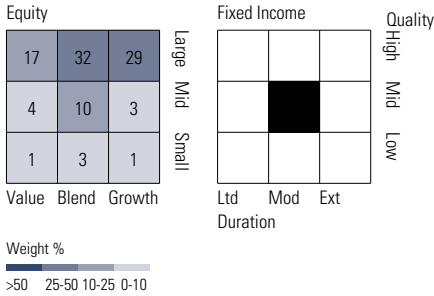
Morningstar Index
Morningstar Lifetime Mod 2035 TR USD

Style Analysis as of 09-30-2022

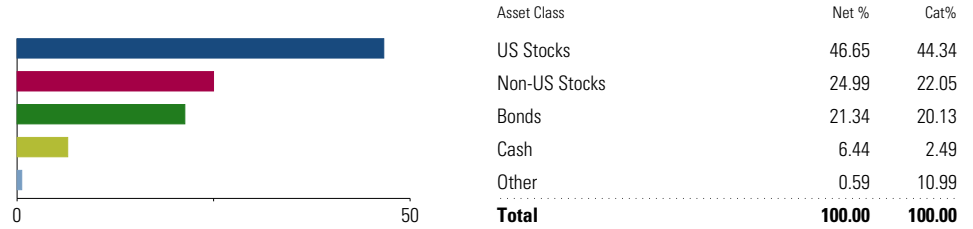
Morningstar Style Box™



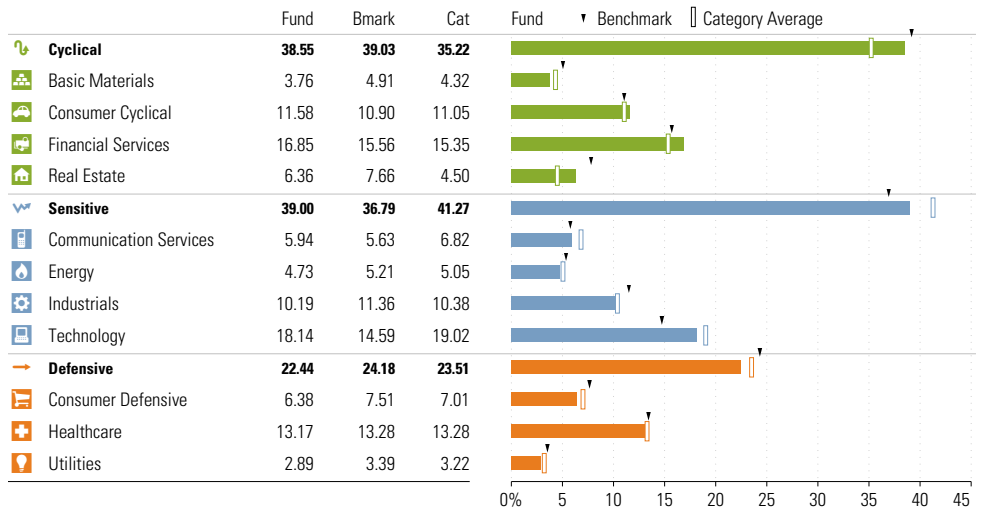
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan Core Plus Bond R6	-	14.50	14.50	-	-
⊕ JPMorgan International Rsrch Enh Eq ETF	-	10.93	25.43	-	-
⊖ JPMorgan Value Advantage R6	-	10.58	36.01	-	-
⊖ JPMorgan Growth Advantage R6	-	10.42	46.43	-	-
⊖ JPMorgan US Equity R6	-	10.23	56.66	-	-
⊖ JPMorgan US Research Enhanced Equity R6	-	10.22	66.88	-	-
JPMorgan International Equity R6	-	7.23	74.10	-	-
⊕ JPMorgan Core Bond R6	-	4.82	78.92	-	-
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	3.99	82.91	-	-
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	3.16	86.07	-	-

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

Performance: The fund has finished in the Target-Date 2040 category's top three quartiles in 6 of the 8 years it's been in existence.

Management: The fund's management has been in place for 14.25 years.

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

Net Expense: The fund's expense ratio of 0.45 is 35.71% lower than the Target-Date 2040 category average.

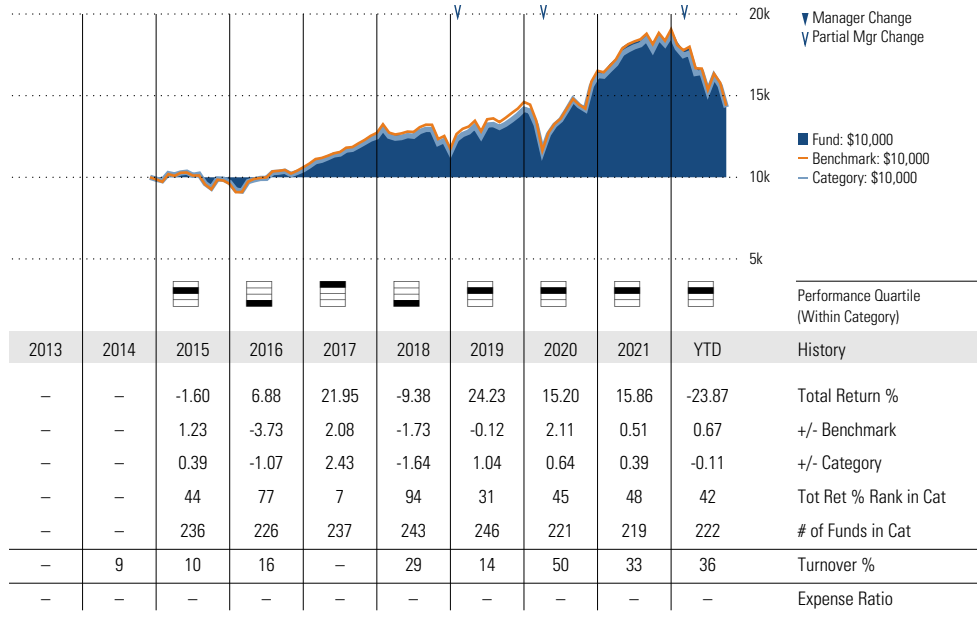
Morningstar Investment Management LLC Analysis

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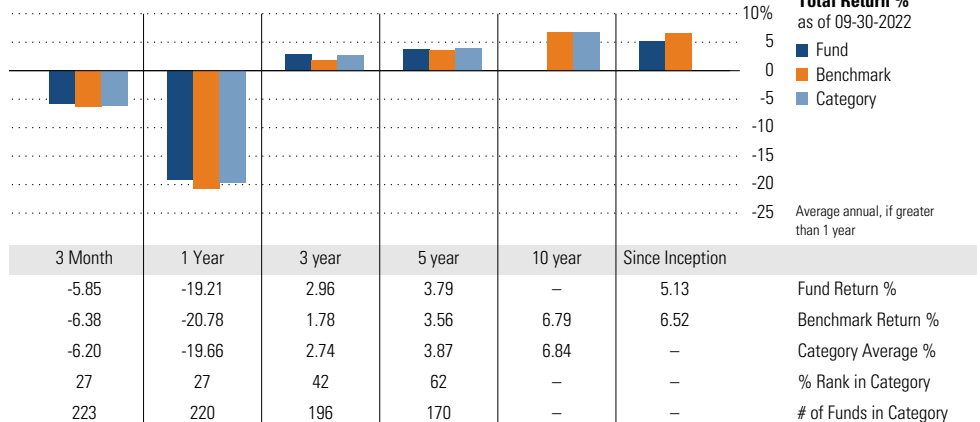
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

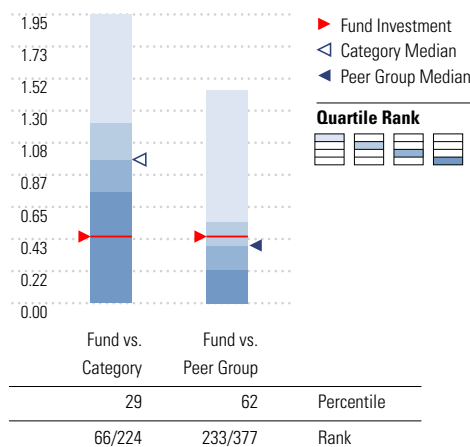
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.18	-	0.99
Beta	0.99	-	0.96
R-Squared	99.09	-	98.62
Standard Deviation	17.61	17.64	16.98
Sharpe Ratio	0.22	0.15	0.21
Tracking Error	1.68	-	2.22
Information Ratio	0.71	-	0.52
Up Capture Ratio	102.37	-	99.30
Down Capture Ratio	97.52	-	95.19

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.68	13.60	14.46
Price/Book Ratio	2.57	2.01	2.23
Avg Eff Duration	5.85	-	7.75

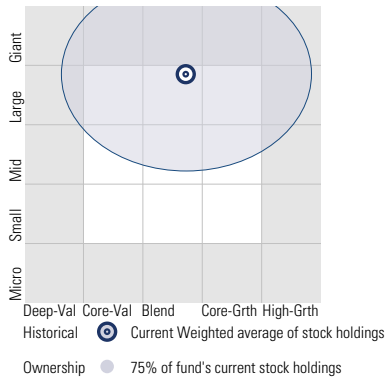
JPMorgan SmartRetirement® 2040 R6 SMTYX

Morningstar Category
Target-Date 2040

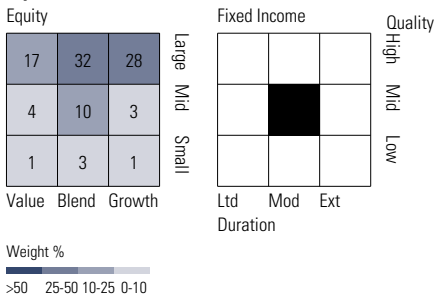
Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 09-30-2022

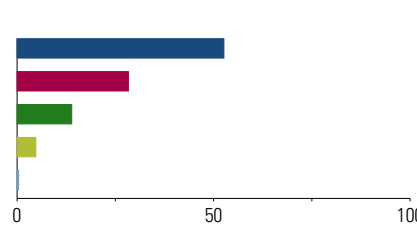
Morningstar Style Box™



Style Breakdown

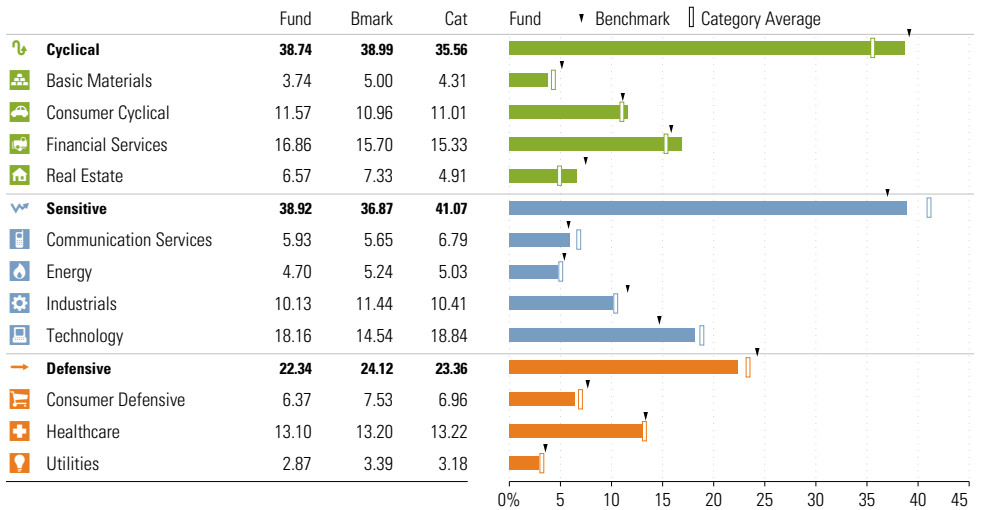


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	52.62	50.48
Non-US Stocks	28.32	25.79
Bonds	13.90	12.64
Cash	4.77	1.94
Other	0.39	9.14
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
JPMorgan International Rsrch Enh Eq ETF	-	12.20	12.20	-	-
⊖ JPMorgan Value Advantage R6	-	11.93	24.13	-	-
⊖ JPMorgan Growth Advantage R6	-	11.76	35.89	-	-
⊖ JPMorgan US Research Enhanced Equity R6	-	11.53	47.42	-	-
JPMorgan US Equity R6	-	11.37	58.79	-	-
⊕ JPMorgan Core Plus Bond R6	-	8.77	67.56	-	-
JPMorgan International Equity R6	-	8.06	75.62	-	-
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	3.55	79.18	-	-
⊕ JPMorgan ActiveBuilders EM Eq ETF	-	3.04	82.22	-	-
⊕ JPMorgan Core Bond R6	-	2.92	85.14	-	-

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2045 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.45 is 35.71% lower than the Target-Date 2045 category average.

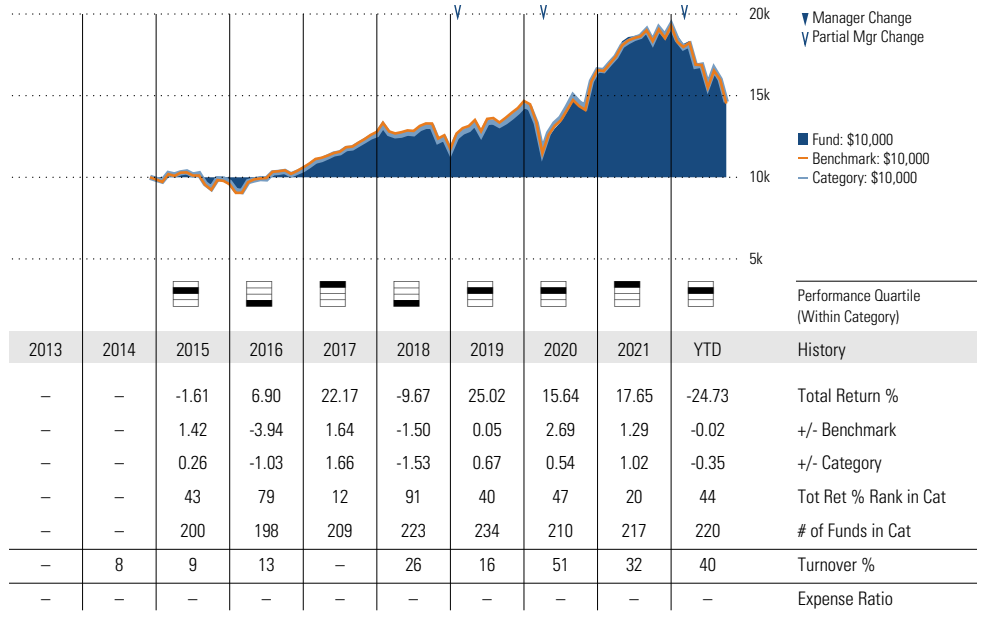
Morningstar Investment Management LLC Analysis

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

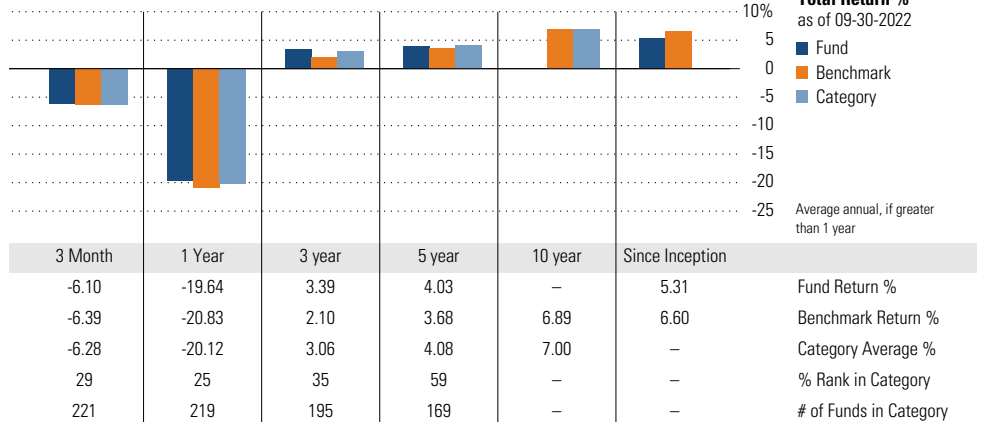
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

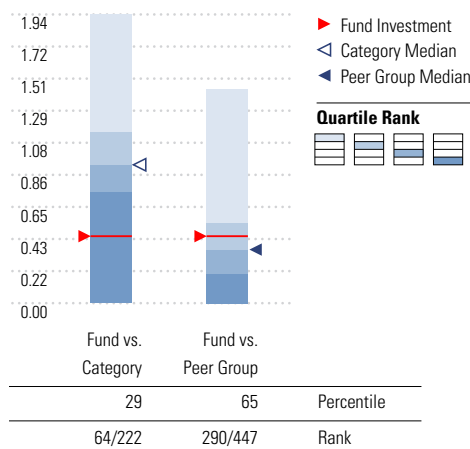
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.27	-	0.94
Beta	1.01	-	0.96
R-Squared	99.14	-	98.56
Standard Deviation	18.72	18.49	17.85
Sharpe Ratio	0.24	0.17	0.22
Tracking Error	1.74	-	2.27
Information Ratio	0.74	-	0.46
Up Capture Ratio	104.47	-	99.60
Down Capture Ratio	99.54	-	95.92

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.68	13.48	14.46
Price/Book Ratio	2.57	1.98	2.22
Avg Eff Duration	5.87	-	8.50

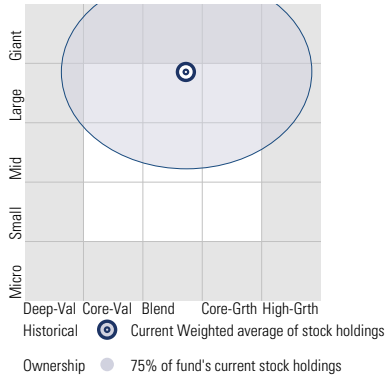
JPMorgan SmartRetirement® 2045 R6 JSAYX

Morningstar Category
Target-Date 2045

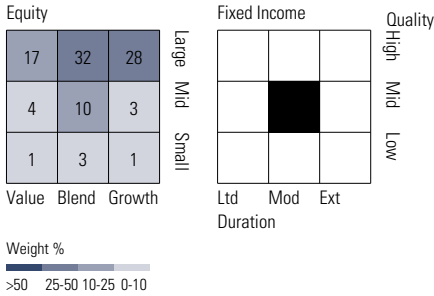
Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 09-30-2022

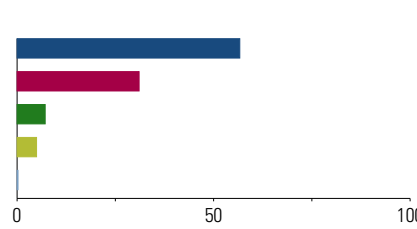
Morningstar Style Box™



Style Breakdown

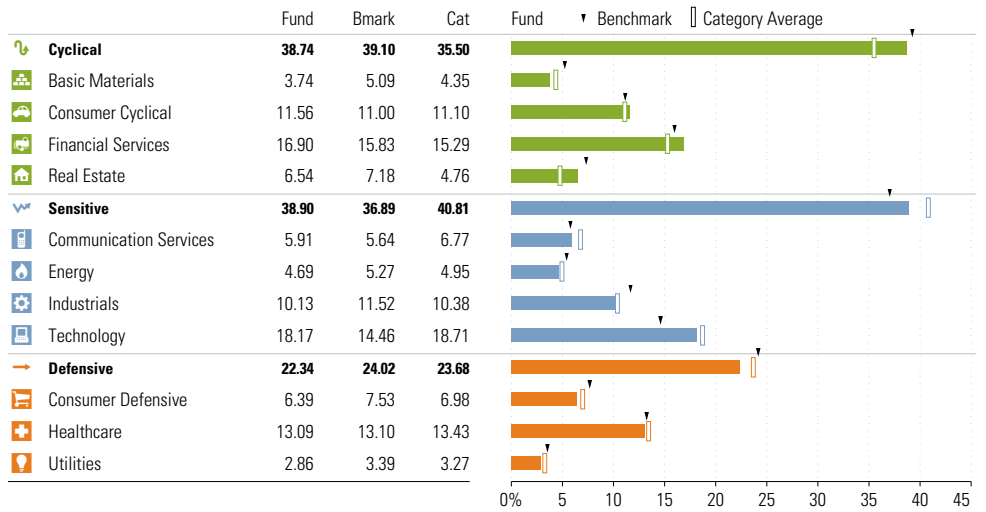


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	56.66	53.41
Non-US Stocks	31.04	27.82
Bonds	7.14	7.20
Cash	4.95	2.06
Other	0.23	9.50
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan International Rsrch Enh Eq ETF	-	13.32	13.32	-	-
⊖ JPMorgan Value Advantage R6	-	12.92	26.23	-	-
⊖ JPMorgan Growth Advantage R6	-	12.73	38.96	-	-
JPMorgan US Research Enhanced Equity R6	-	12.39	51.34	-	-
JPMorgan US Equity R6	-	12.21	63.55	-	-
JPMorgan International Equity R6	-	8.85	72.40	-	-
⊕ JPMorgan Core Plus Bond R6	-	4.35	76.75	-	-
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	3.79	80.54	-	-
⊕ JPMorgan ActiveBuilders EM Eq ETF	-	3.20	83.74	-	-
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	3.00	86.74	-	-

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2050 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.45 is 36.62% lower than the Target-Date 2050 category average.

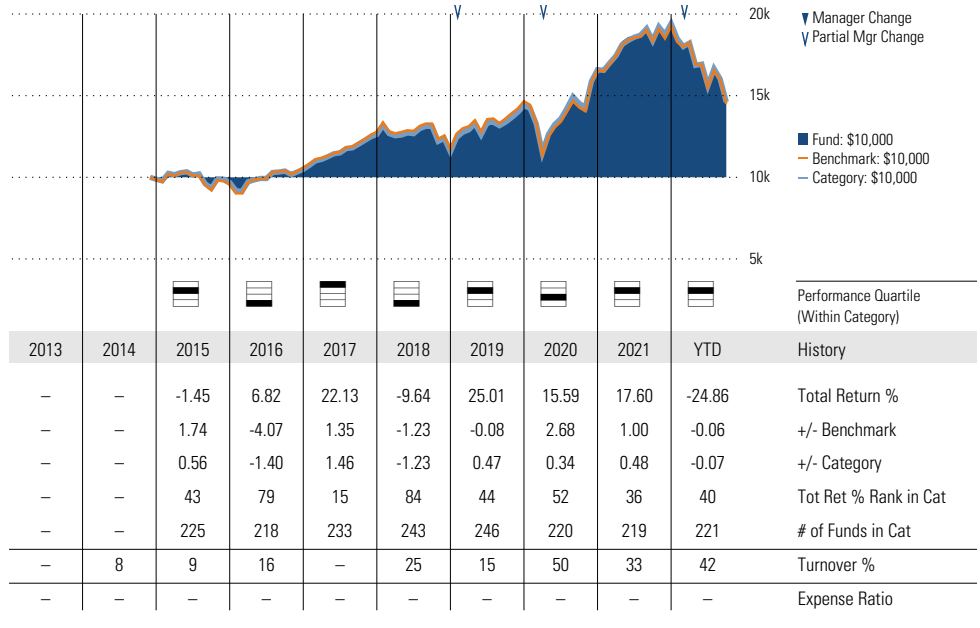
Morningstar Investment Management LLC Analysis

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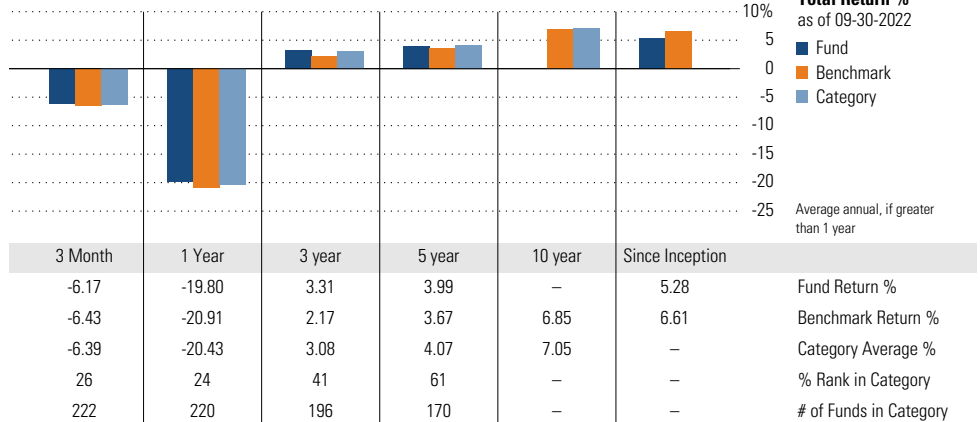
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

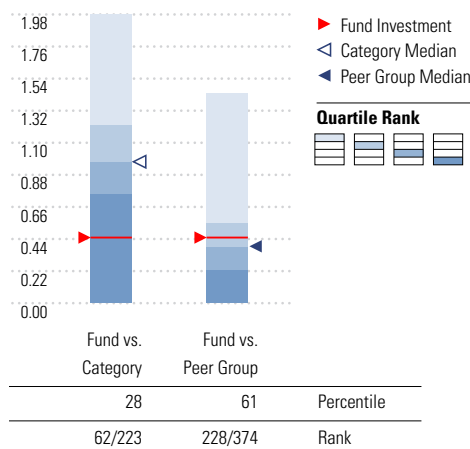
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.12	-	0.88
Beta	0.99	-	0.96
R-Squared	99.15	-	98.48
Standard Deviation	18.75	18.81	18.21
Sharpe Ratio	0.23	0.17	0.22
Tracking Error	1.74	-	2.30
Information Ratio	0.65	-	0.40
Up Capture Ratio	102.68	-	99.91
Down Capture Ratio	98.35	-	96.52

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.68	13.38	14.44
Price/Book Ratio	2.57	1.96	2.21
Avg Eff Duration	5.86	-	8.14

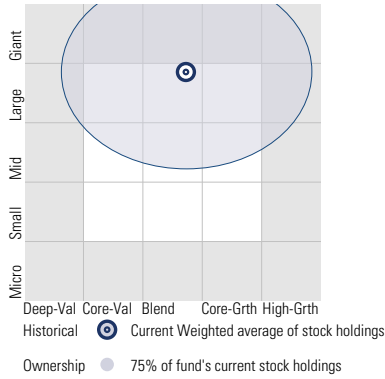
JPMorgan SmartRetirement® 2050 R6 JTSYX

Morningstar Category
Target-Date 2050

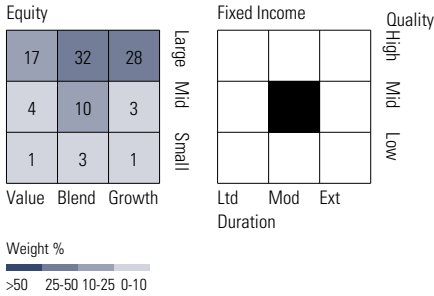
Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 09-30-2022

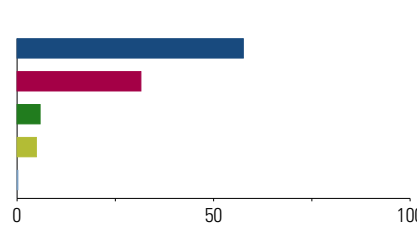
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	57.56	55.67
Non-US Stocks	31.50	28.97
Bonds	5.85	4.93
Cash	4.90	2.07
Other	0.20	8.36
Total	100.00	100.00

Sector Weighting as of 09-30-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	38.75	39.29	35.76			
Basic Materials	3.74	5.17	4.35			
Consumer Cyclical	11.57	11.02	11.04			
Financial Services	16.91	15.93	15.30			
Real Estate	6.53	7.17	5.07			
Sensitive	38.91	36.83	40.66			
Communication Services	5.91	5.63	6.72			
Energy	4.69	5.28	4.92			
Industrials	10.13	11.56	10.41			
Technology	18.18	14.36	18.61			
Defensive	22.36	23.88	23.56			
Consumer Defensive	6.40	7.52	6.95			
Healthcare	13.10	12.98	13.37			
Utilities	2.86	3.38	3.24			

Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan International Rsrch Enh Eq ETF	—	13.51	13.51	—	—
⊖ JPMorgan Value Advantage R6	—	13.13	26.64	—	—
⊖ JPMorgan Growth Advantage R6	—	12.94	39.59	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	12.68	52.26	—	—
JPMorgan US Equity R6	—	12.26	64.52	—	—
⊕ JPMorgan International Equity R6	—	8.99	73.51	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	3.82	77.33	—	—
⊕ JPMorgan Core Plus Bond R6	—	3.52	80.85	—	—
⊕ JPMorgan ActiveBuilders EM Eq ETF	—	3.26	84.12	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	2.99	87.11	—	—

Total Holdings 22

⊕ 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)

Jeffrey Geller since 01-2012
Daniel Oldroyd since 01-2012
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2055 category's top three quartiles in 6 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 10.67 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 0.45 is 36.62% lower than the Target-Date 2055 category average.

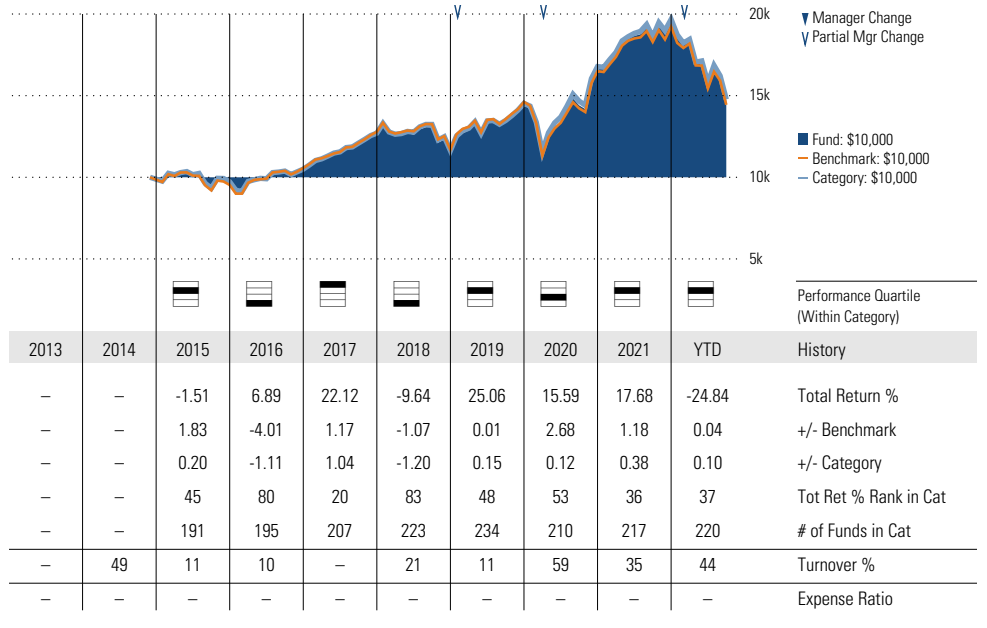
Morningstar Investment Management LLC Analysis

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

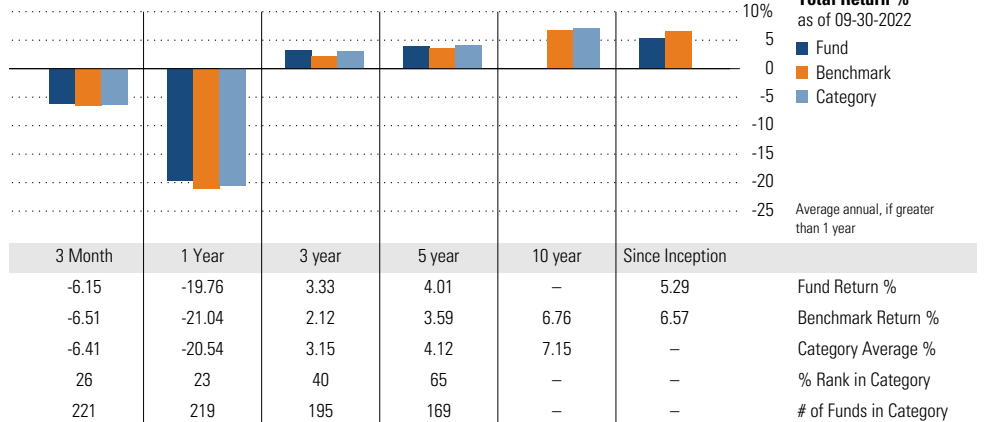
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

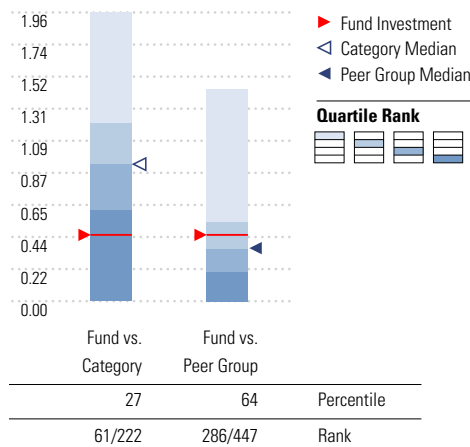
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.20	-	0.99
Beta	0.99	-	0.96
R-Squared	99.13	-	98.42
Standard Deviation	18.72	18.89	18.35
Sharpe Ratio	0.23	0.17	0.22
Tracking Error	1.76	-	2.32
Information Ratio	0.69	-	0.45
Up Capture Ratio	102.37	-	100.59
Down Capture Ratio	97.75	-	96.81

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.71	13.28	14.32
Price/Book Ratio	2.57	1.94	2.18
Avg Eff Duration	5.87	-	9.37

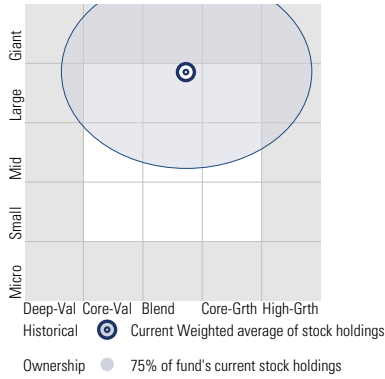
JPMorgan SmartRetirement® 2055 R6 JFFYX

Morningstar Category
Target-Date 2055

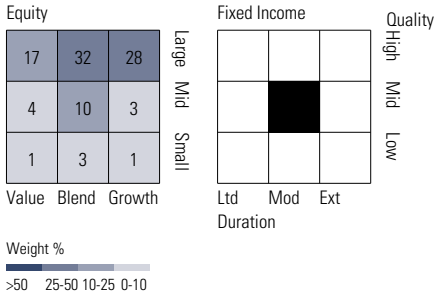
Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 09-30-2022

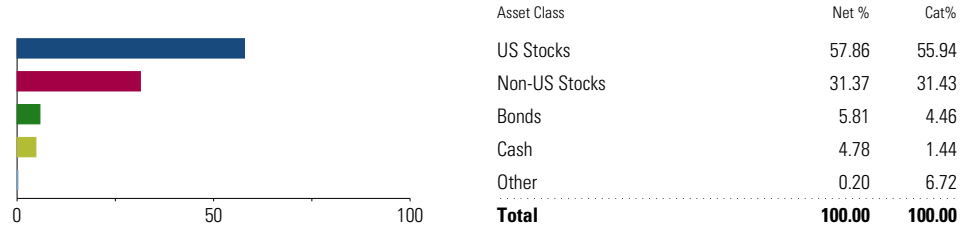
Morningstar Style Box™



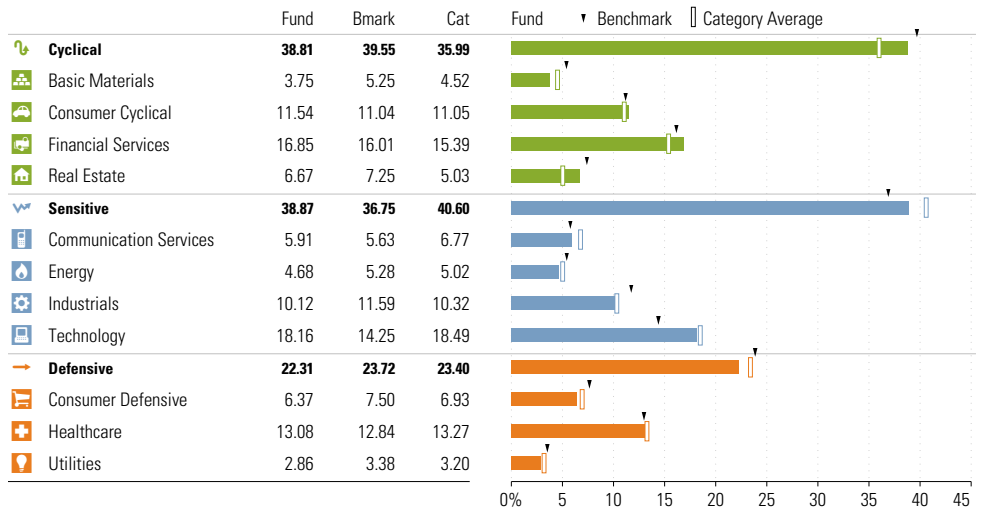
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan International Rsrch Enh Eq ETF	-	13.46	13.46	-	-
⊖ JPMorgan Value Advantage R6	-	13.04	26.50	-	-
⊖ JPMorgan Growth Advantage R6	-	12.85	39.35	-	-
⊕ JPMorgan US Equity R6	-	12.76	52.12	-	-
JPMorgan US Research Enhanced Equity R6	-	12.51	64.63	-	-
⊕ JPMorgan International Equity R6	-	8.92	73.55	-	-
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	3.80	77.35	-	-
⊕ JPMorgan Core Plus Bond R6	-	3.49	80.84	-	-
⊕ JPMorgan ActiveBuilders EM Eq ETF	-	3.24	84.08	-	-
JPMorgan BetaBuilders US Mid Cap Eq ETF	-	2.88	86.96	-	-

Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

JPMorgan SmartRetirement® 2060 R6 JAKYX

Morningstar Category
Target-Date 2060

Morningstar Index
Morningstar Mod Tgt Risk TR USD

Portfolio Manager(s)

Jeffrey Geller since 08-2016
Daniel Oldroyd since 08-2016
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date 2060 category's top three quartiles in 5 of the 6 years it's been in existence.

✔ **Management:** The fund's management has been in place for 6.08 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 0.44 is 38.03% lower than the Target-Date 2060 category average.

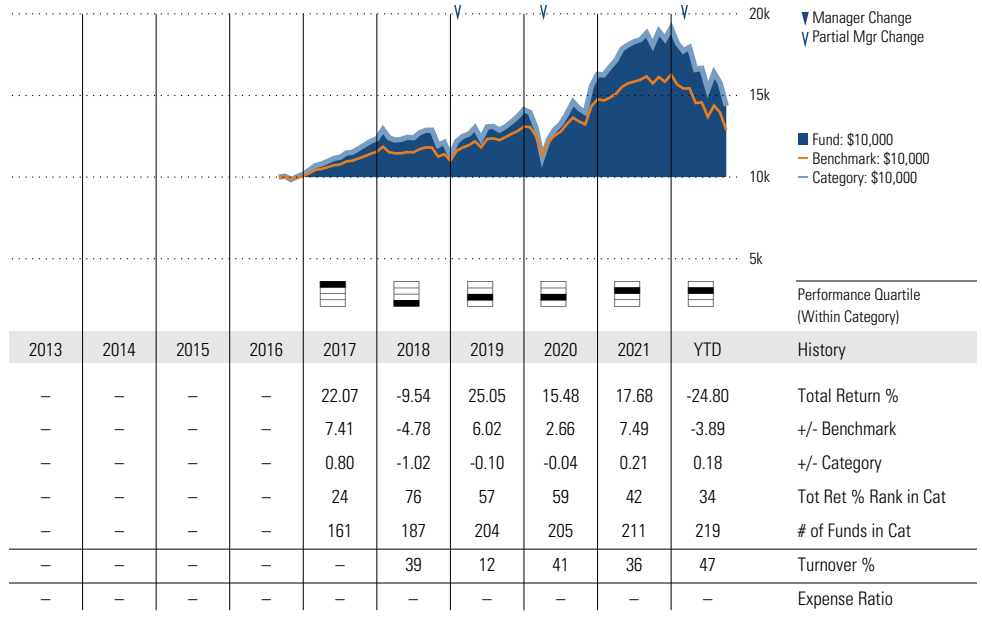
Morningstar Investment Management LLC Analysis

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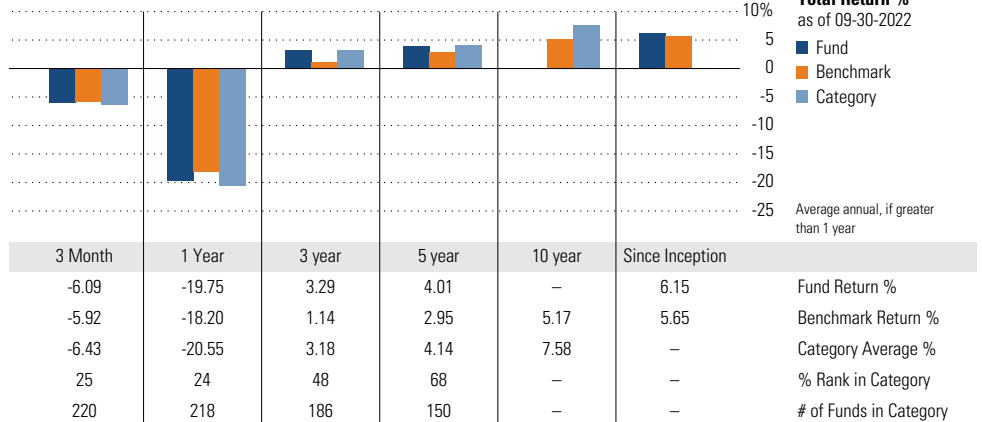
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022

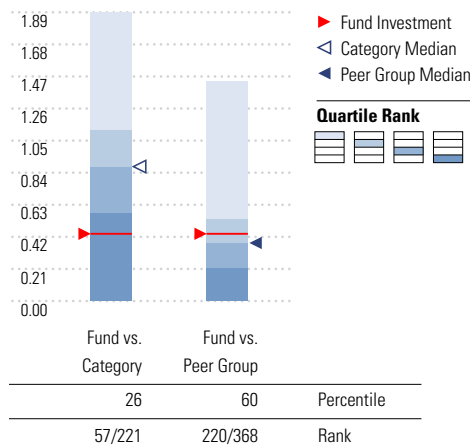
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.18	-	1.99
Beta	1.40	-	1.39
R-Squared	97.80	-	97.78
Standard Deviation	18.66	13.18	18.48
Sharpe Ratio	0.23	0.10	0.22
Tracking Error	5.95	-	5.82
Information Ratio	0.36	-	0.34
Up Capture Ratio	148.52	-	148.24
Down Capture Ratio	137.55	-	138.30

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.69	13.15	14.41
Price/Book Ratio	2.58	1.92	2.22
Avg Eff Duration	5.88	-	7.31

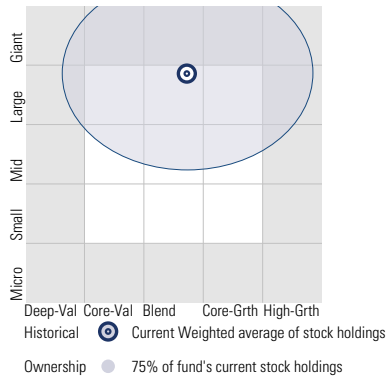
JPMorgan SmartRetirement® 2060 R6 JAKYX

Morningstar Category
Target-Date 2060

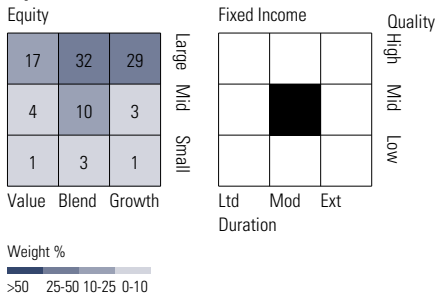
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 09-30-2022

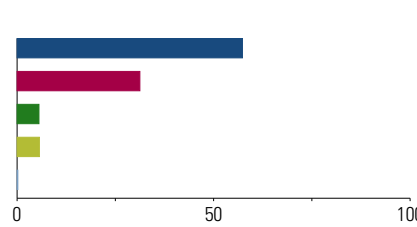
Morningstar Style Box™



Style Breakdown

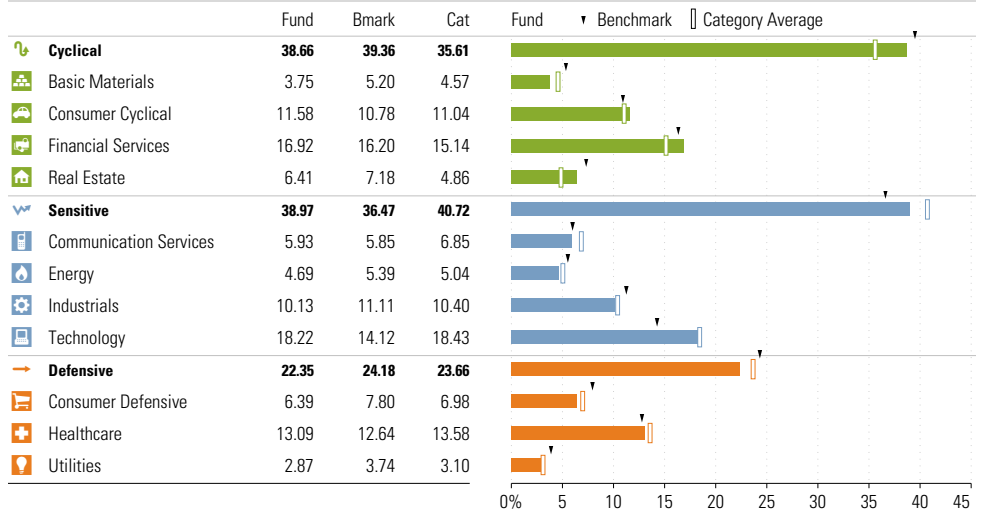


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	57.34	56.48
Non-US Stocks	31.24	31.93
Bonds	5.56	4.49
Cash	5.67	2.21
Other	0.19	4.89
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan International Rsrch Enh Eq ETF	—	13.22	13.22	—	—
⊕ JPMorgan Value Advantage R6	—	13.04	26.26	—	—
⊖ JPMorgan Growth Advantage R6	—	12.78	39.05	—	—
⊕ JPMorgan US Equity R6	—	12.62	51.67	—	—
⊕ JPMorgan US Research Enhanced Equity R6	—	12.55	64.22	—	—
⊕ JPMorgan International Equity R6	—	8.96	73.17	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	3.80	76.97	—	—
⊕ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	3.74	80.71	—	—
⊕ JPMorgan ActiveBuilders EM Eq ETF	—	3.40	84.11	—	—
⊕ JPMorgan Core Plus Bond R6	—	3.39	87.50	—	—

Total Holdings 22

⊕ 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)

Jeffrey Geller since 07-2008
Daniel Oldroyd since 11-2010
Silvia Trillo since 02-2019
Ove Fladberg since 03-2022

Quantitative Screens

✔ **Performance:** The fund has finished in the Target-Date Retirement category's top three quartiles in 7 of the 8 years it's been in existence.

✔ **Management:** The fund's management has been in place for 14.25 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.39 is 41.79% lower than the Target-Date Retirement category average.

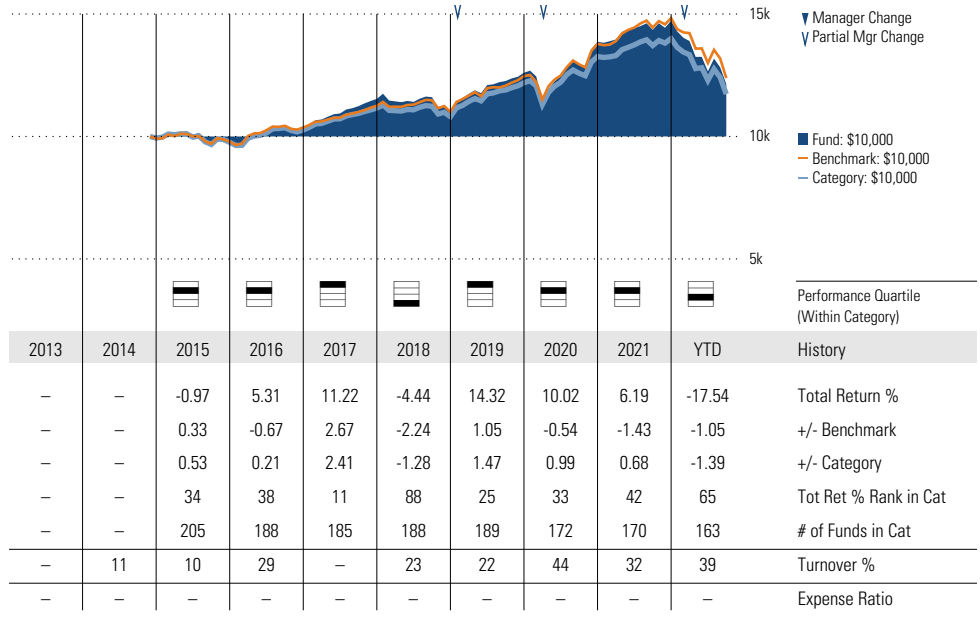
Morningstar Investment Management LLC Analysis

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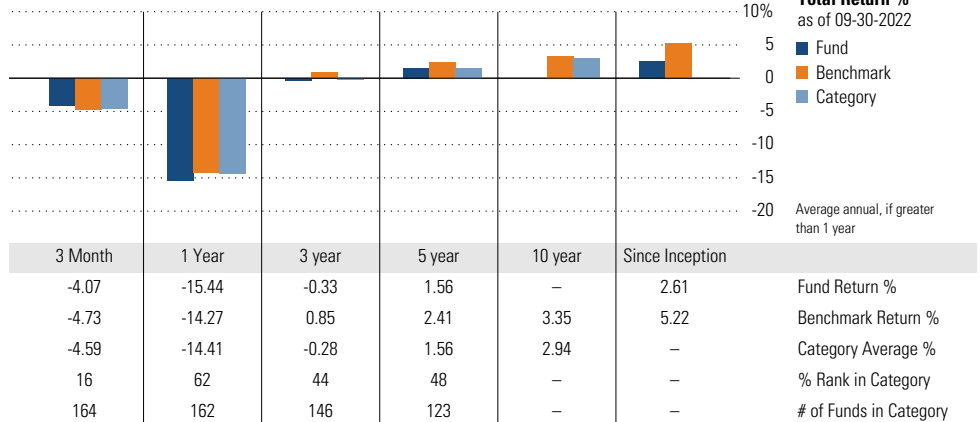
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022

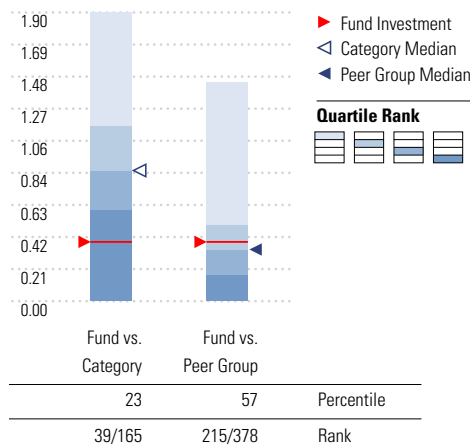
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-1.18	-	-1.17
Beta	1.05	-	0.92
R-Squared	96.72	-	95.87
Standard Deviation	9.83	9.24	8.70
Sharpe Ratio	-0.05	0.07	-0.09
Tracking Error	1.83	-	2.29
Information Ratio	-0.65	-	-0.57
Up Capture Ratio	98.82	-	86.73
Down Capture Ratio	108.48	-	96.23

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	16.90	14.54	14.00
Price/Book Ratio	2.69	2.17	2.09
Avg Eff Duration	5.70	-	6.58

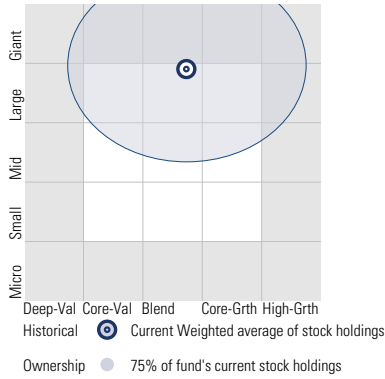
JPMorgan SmartRetirement® Income R6 JSIYX

Morningstar Category
Target-Date Retirement

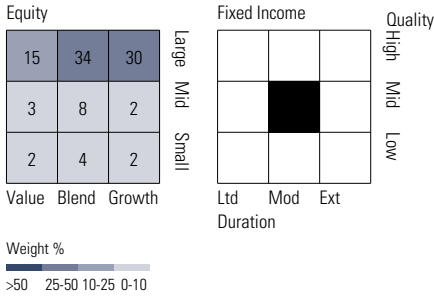
Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 09-30-2022

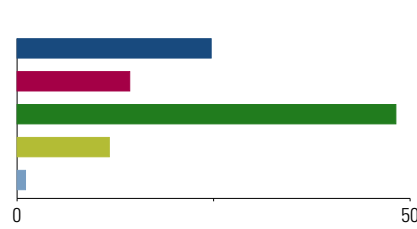
Morningstar Style Box™



Style Breakdown

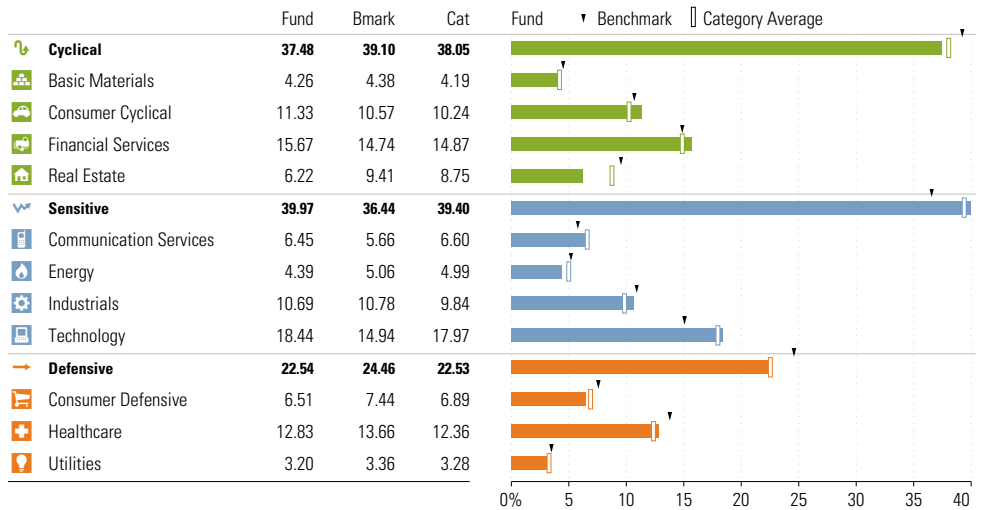


Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	24.69	18.01
Non-US Stocks	14.33	9.45
Bonds	48.19	51.17
Cash	11.73	5.20
Other	1.07	16.18
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ JPMorgan Core Bond R6	—	27.65	27.65	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	9.80	37.45	—	—
⊖ JPMorgan US Equity R6	—	9.65	47.10	—	—
⊕ JPMorgan Core Plus Bond R6	—	9.24	56.34	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	8.66	65.00	—	—
JPMorgan Inflation Managed Bond ETF	—	7.60	72.59	—	—
⊖ JPMorgan International Rsrch Enh Eq ETF	—	5.63	78.23	—	—
⊕ JPMorgan High Yield R6	—	4.62	82.84	—	—
JPMorgan International Equity R6	—	3.85	86.69	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	2.37	89.06	—	—

Total Holdings 22

⊕ Increase ⊖ Decrease ✨ New to Portfolio

MFS Growth R6 MFEKX

Morningstar Category
Large Growth

Morningstar Index
Russell 1000 Growth TR USD

Portfolio Manager(s)

Eric Fischman since 04-2002
Paul Gordon since 07-2017
Bradford Mak since 06-2021

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 20.51 years.

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

✔ **Net Expense:** The fund's expense ratio of 0.49 is 48.96% lower than the Large Growth category average.

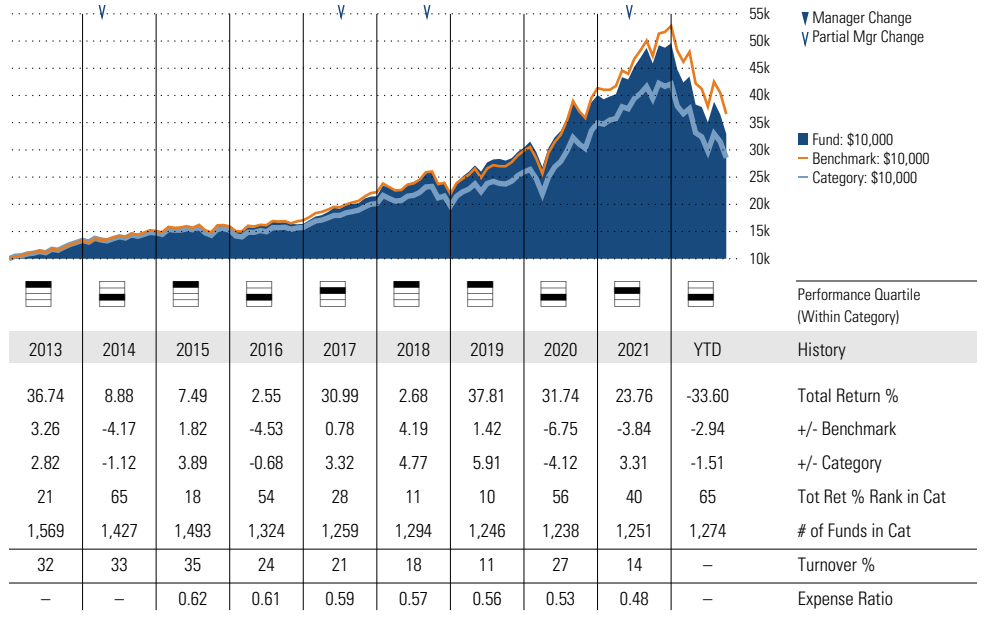
Morningstar Investment Management LLC Analysis

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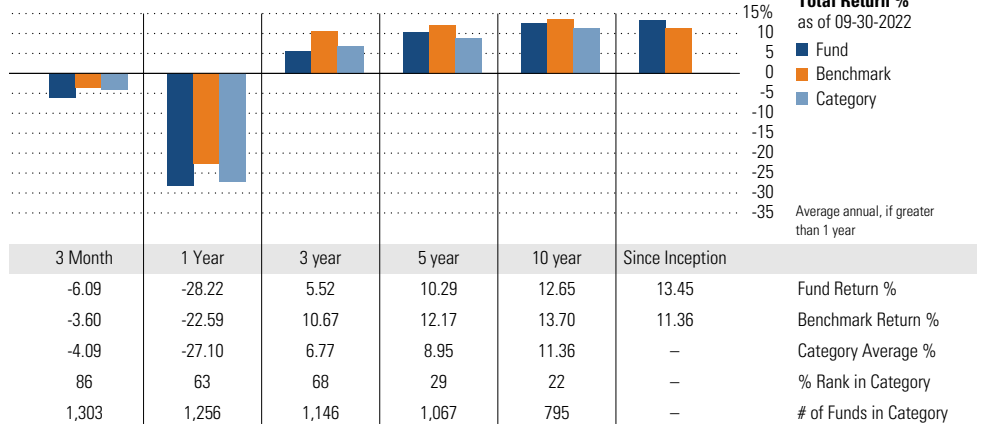
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

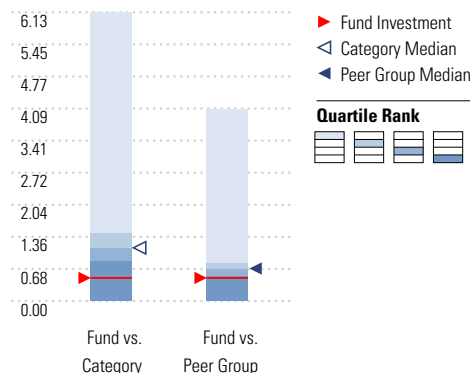
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-4.21	-	-3.29
Beta	0.93	-	0.97
R-Squared	98.13	-	93.15
Standard Deviation	21.79	23.13	23.33
Sharpe Ratio	0.32	0.52	0.37
Tracking Error	3.35	-	6.09
Information Ratio	-1.53	-	-0.78
Up Capture Ratio	87.11	-	88.47
Down Capture Ratio	99.67	-	97.94

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	30.89	23.78	23.27
Price/Book Ratio	6.92	8.32	6.18
Geom Avg Mkt Cap \$B	237.89	240.14	266.70
ROE	33.97	41.06	37.20

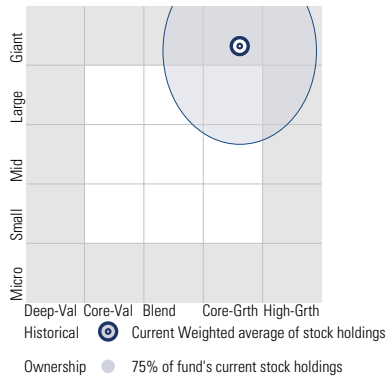
MFS Growth R6 MFEKX

Morningstar Category
Large Growth

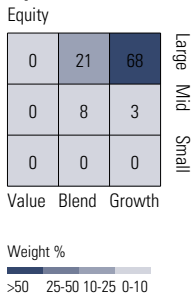
Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 09-30-2022

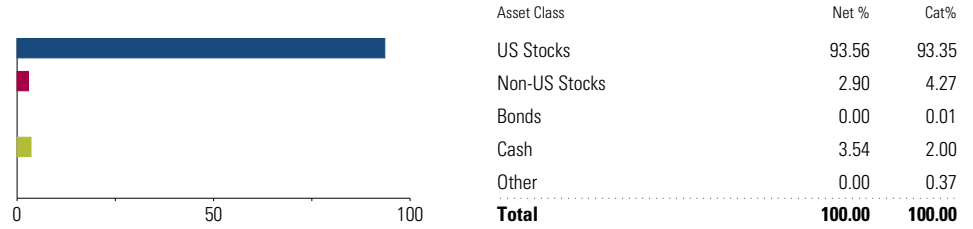
Morningstar Style Box™



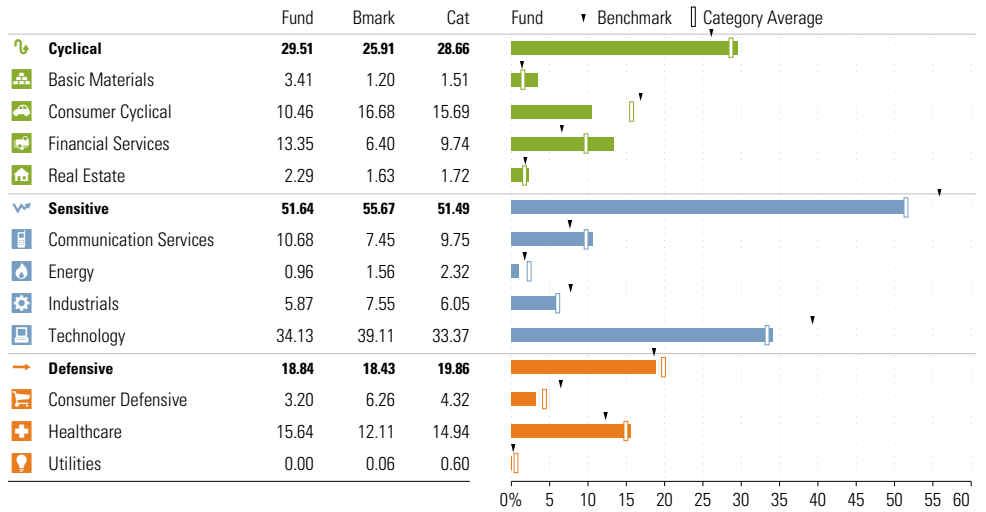
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	11.91	11.91	-30.20	Technology
Amazon.com Inc	7.28	19.19	-32.22	Consumer Cyclical
Alphabet Inc Class A	5.79	24.98	-33.97	Communication Svc
Apple Inc	5.57	30.55	-21.79	Technology
⊕ Currency Cash CASH_USD	3.54	34.10	-	-
Mastercard Inc Class A	3.42	37.52	-20.46	Financial Services
⊖ Adobe Inc	3.14	40.65	-51.47	Technology
Visa Inc Class A	2.91	43.57	-17.50	Financial Services
Danaher Corp	2.64	46.21	-21.27	Healthcare
Intuit Inc	2.55	48.75	-39.47	Technology
Thermo Fisher Scientific Inc	2.42	51.18	-23.85	Healthcare
NVIDIA Corp	1.88	53.05	-58.69	Technology
MSCI Inc	1.83	54.88	-30.61	Financial Services
Alphabet Inc Class C	1.75	56.64	-33.54	Communication Svc
Abbott Laboratories	1.70	58.34	-30.25	Healthcare

Total Holdings 70

⊕ Increase ⊖ Decrease ✨ New to Portfolio

MFS Intl International Equity MIEIX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA 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 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 13.01 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 93.94 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.69 is 25.81% lower than the Foreign Large Blend category average.

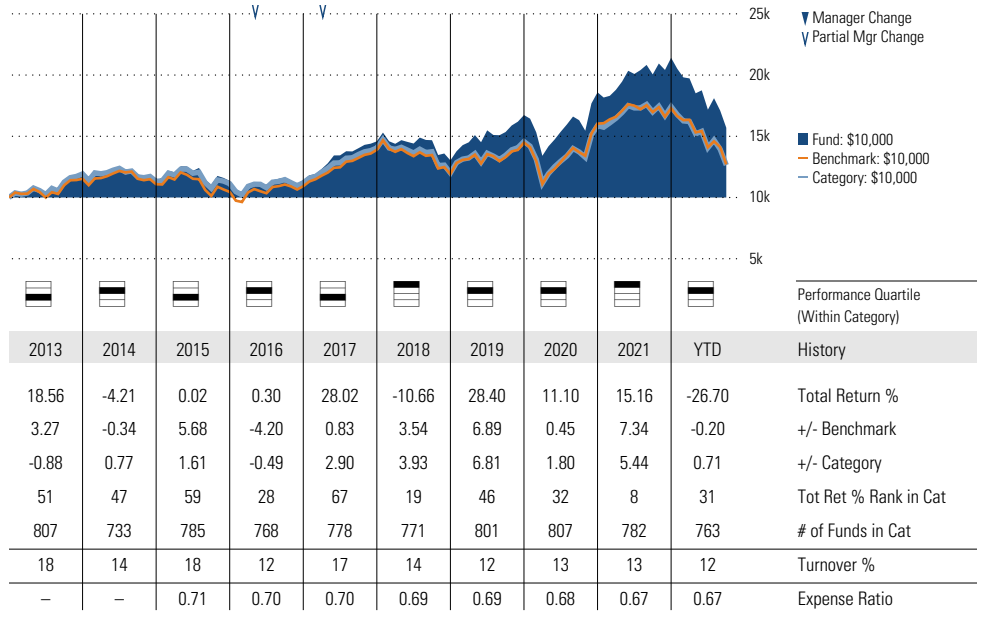
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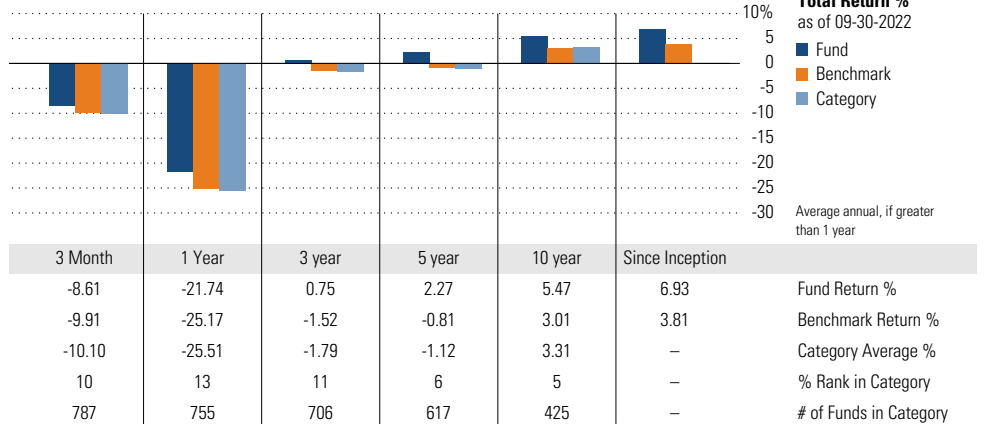
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	2-Basic	02-15-2022

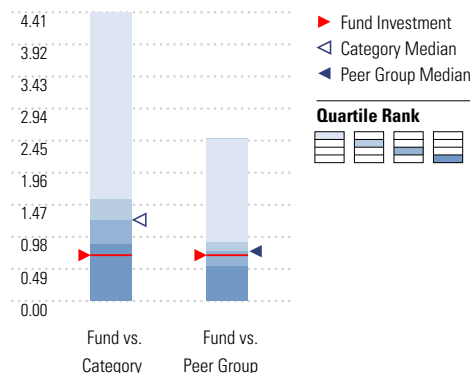
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.24	-	0.08
Beta	0.96	-	1.01
R-Squared	93.04	-	93.77
Standard Deviation	18.36	18.48	19.26
Sharpe Ratio	0.10	-0.03	-0.02
Tracking Error	4.90	-	4.83
Information Ratio	0.46	-	-0.01
Up Capture Ratio	104.42	-	103.08
Down Capture Ratio	95.27	-	103.04

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	17.00	11.06	11.27
Price/Book Ratio	2.37	1.49	1.51
Geom Avg Mkt Cap \$B	56.09	34.91	41.65
ROE	20.55	18.13	20.02

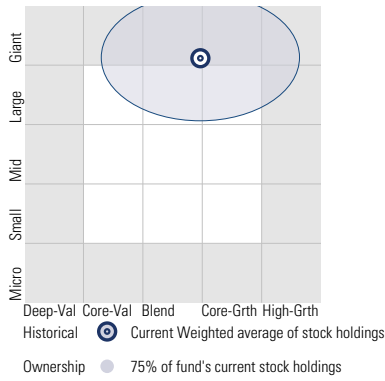
MFS Intl International Equity MIEIX

Morningstar Category
Foreign Large Blend

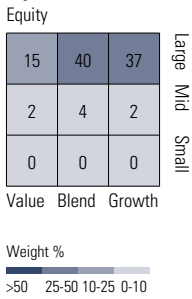
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 09-30-2022

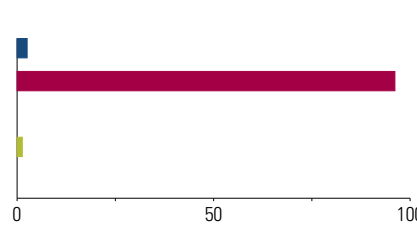
Morningstar Style Box™



Style Breakdown

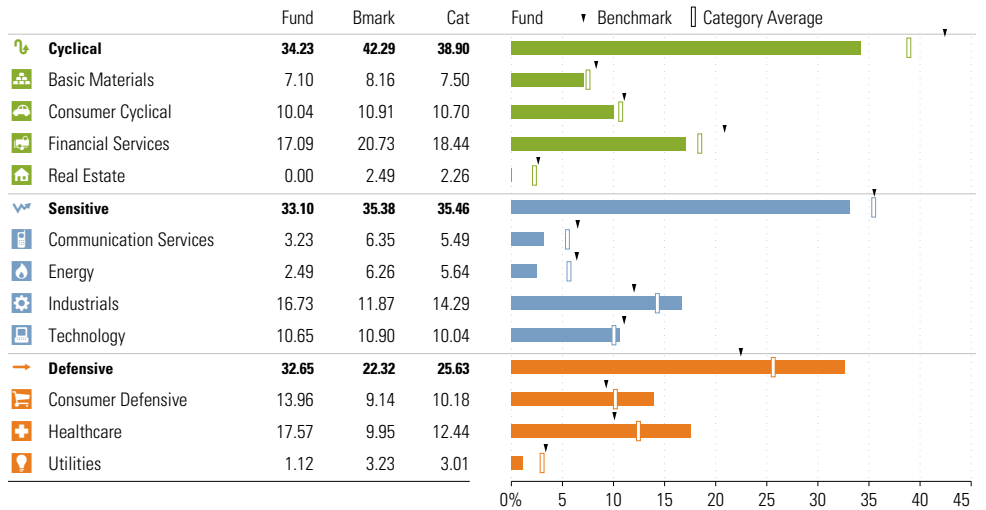


Asset Allocation as of 09-30-2022

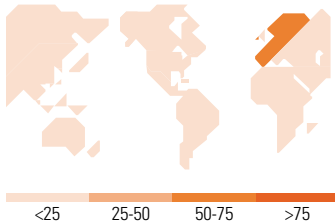


Asset Class	Net %	Cat%
US Stocks	2.55	2.94
Non-US Stocks	96.13	94.78
Bonds	0.00	0.62
Cash	1.32	0.82
Other	0.00	0.83
Total	100.00	100.00

Sector Weighting as of 09-30-2022



World Regions % Equity 09-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	25.57	36.02	Americas	7.00	9.12	Greater Europe	67.43	54.87	Developed Markets	95.04
Japan	15.52	18.20	North America	7.00	7.95	United Kingdom	11.24	13.86	Emerging Markets	4.96
Australasia	0.00	5.40	Central/Latin	0.00	1.17	W euro-ex UK	54.76	39.70	Not Available	0.00
Asia-4 Tigers	5.09	6.89				Emrgng Europe	0.00	0.06		
Asia-ex 4 Tigers	4.96	5.53				Africa	1.43	1.25		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Nestle SA	3.99	3.99	-14.55	Consumer Defensive
⊕ Roche Holding AG	3.25	7.23	-13.08	Healthcare
⊕ Schneider Electric SE	2.65	9.88	-30.51	Industrials
⊕ Air Liquide SA	2.52	12.40	-13.76	Basic Materials
⊕ LVMH Moet Hennessy Louis Vuitton SE	2.47	14.87	-15.08	Consumer Cyclical
⊖ Novo Nordisk A/S Class B	2.33	17.20	4.70	Healthcare
⊖ AIA Group Ltd	2.25	19.45	-14.84	Financial Services
⊕ Hitachi Ltd	2.21	21.66	-1.03	Industrials
⊕ Capgemini SE	2.09	23.76	-22.09	Technology
⊕ UBS Group AG	2.03	25.79	-9.51	Financial Services

Total Holdings 83

⊕ Increase ⊖ Decrease ✱ New to Portfolio

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

Morningstar Index
Bloomberg 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 Global 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 8.02 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.51 is 31.08% lower than the Global Bond-USD Hedged category average.

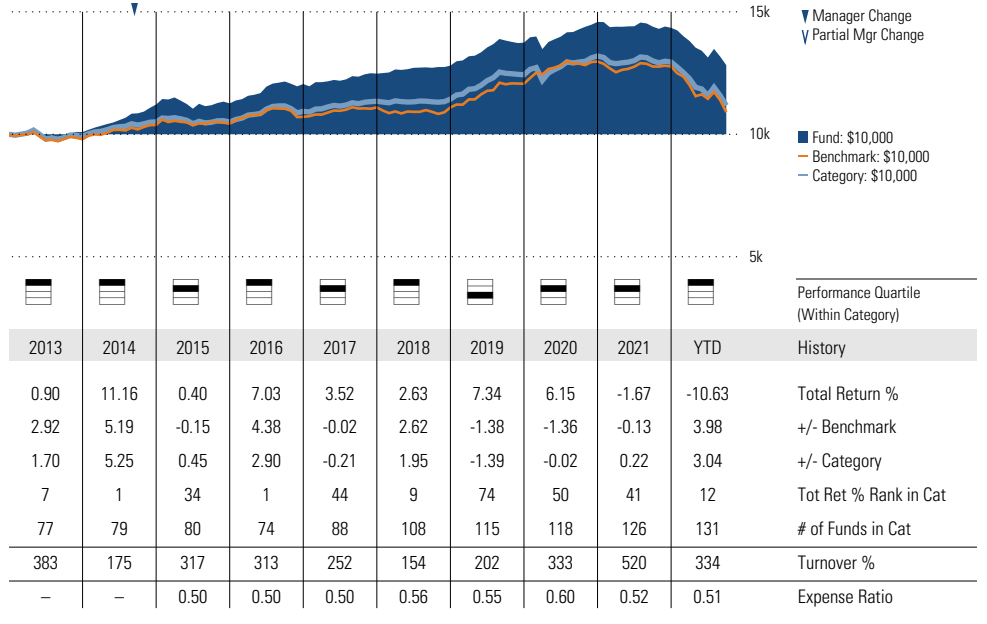
Morningstar Investment Management LLC Analysis

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.

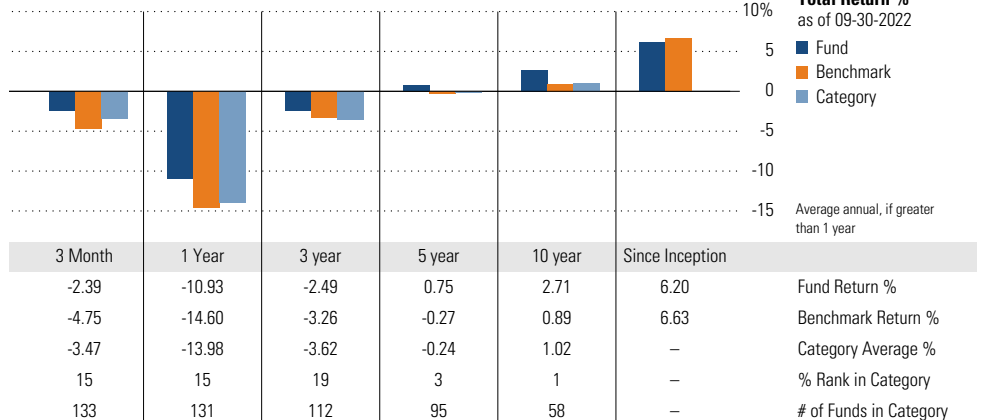
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	04-30-2022

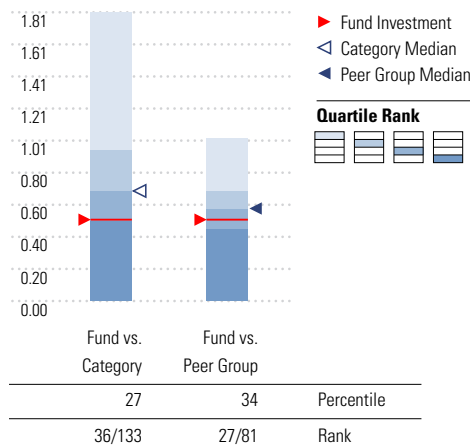
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.27	-	-0.51
Beta	0.68	-	0.93
R-Squared	60.60	-	65.72
Standard Deviation	4.66	5.36	6.17
Sharpe Ratio	-0.64	-0.70	-0.68
Tracking Error	3.40	-	3.89
Information Ratio	0.23	-	-0.06
Up Capture Ratio	71.64	-	102.95
Down Capture Ratio	73.54	-	105.74

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.67	4.43	6.92
Avg Eff Maturity	7.68	-	7.77

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

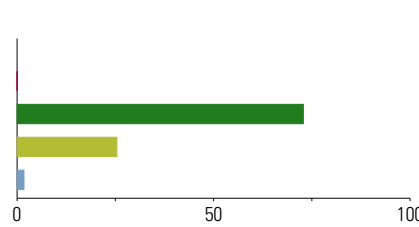
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

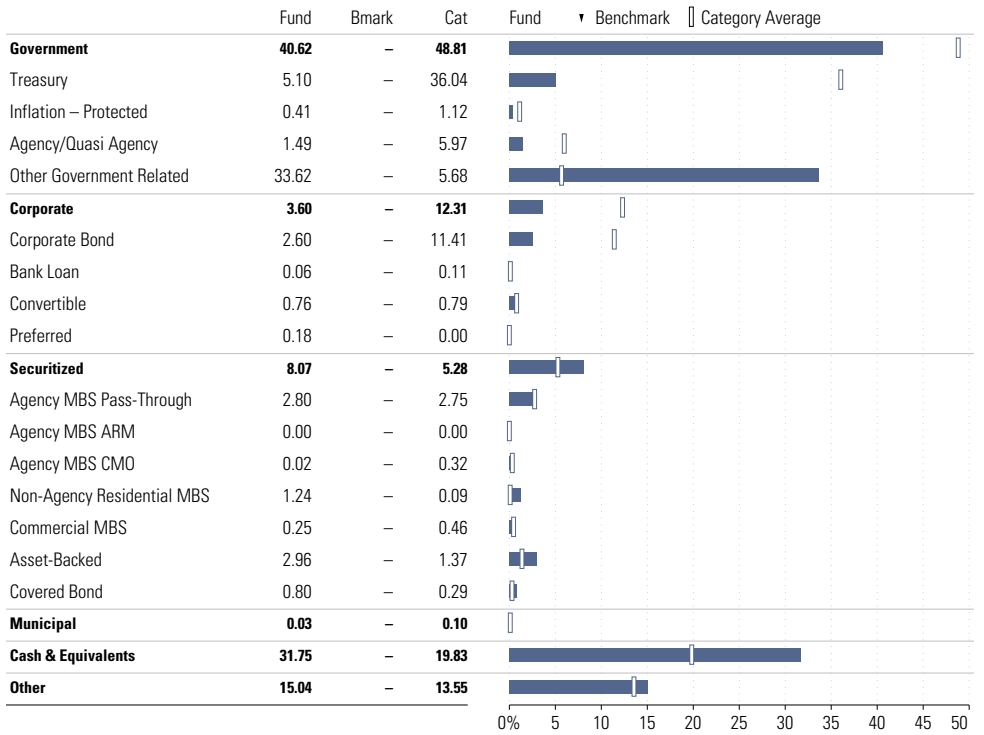


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.03	0.02
Bonds	72.83	89.76
Cash	25.39	8.88
Other	1.75	1.34
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	38.20	3.53	28.16
AA	19.50	74.59	13.39
A	24.27	10.82	29.25
BBB	12.34	8.32	16.02
BB	2.18	0.28	5.41
B	0.87	0.00	2.47
Below B	2.65	0.00	0.52
Not Rated	0.00	2.46	4.79

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ RFR USD SOFR/1.32000 12/21/22-1Y LCH Pay	12-2023	35.51	35.51	-
⊖ RFR USD SOFR/1.32000 12/21/22-1Y LCH Receive	12-2023	34.83	70.34	-
⊕ IRS EUR -0.25000 09/21/22-5Y LCH Pay	09-2027	19.92	90.26	-
⊕ IRS EUR -0.25000 09/21/22-5Y LCH Receive	09-2027	17.85	108.11	-
⊕ Euro Schatz Future Sept 22	09-2022	15.22	123.33	-
⊖ 2 Year Treasury Note Future Sept 22	10-2022	14.19	137.52	-
⊕ IRS EUR 0.25000 09/21/22-10Y LCH Pay	09-2032	12.95	150.46	-
⊖ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Pay	11-2023	11.96	162.42	-
⊖ IRO USD 1Y P 1.27000 L 11/02/22 GLM	11-2022	11.92	174.34	-
⊖ IRS USD 1.27000 11/04/22-1Y (WHT) LCH Receive	11-2023	11.69	186.02	-

Total Holdings 1724

⊕ Increase ⊖ Decrease ✱ New to Portfolio

PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

Morningstar Index
Bloomberg 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 11.75 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.45 is 4.26% lower than the Ultrashort Bond category average.

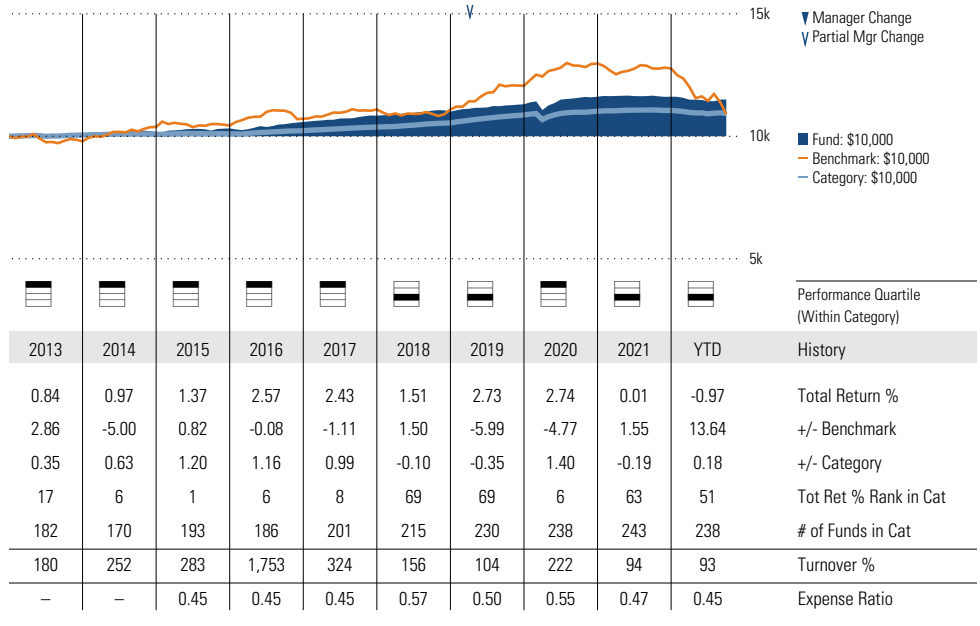
Morningstar Investment Management LLC Analysis

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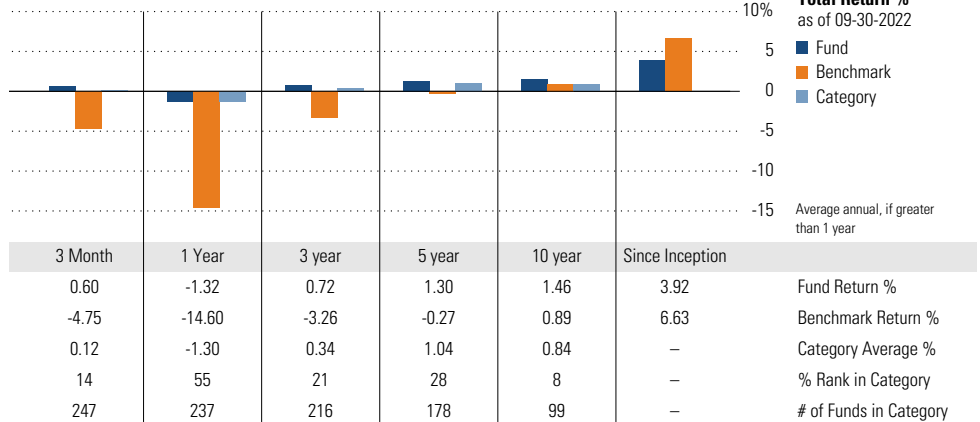
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022

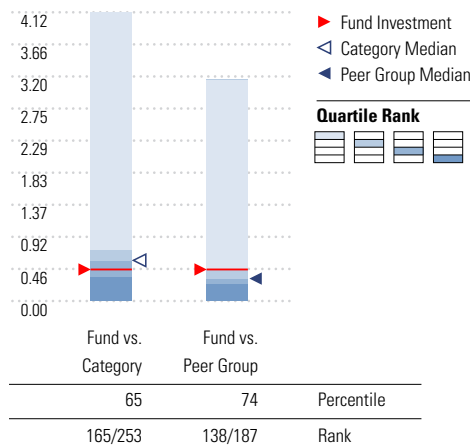
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.08	-	0.71
Beta	0.11	-	0.12
R-Squared	5.53	-	16.20
Standard Deviation	2.42	5.36	1.88
Sharpe Ratio	0.05	-0.70	-0.23
Tracking Error	5.34	-	5.17
Information Ratio	0.74	-	0.69
Up Capture Ratio	30.46	-	25.28
Down Capture Ratio	10.41	-	12.13

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.18	4.43	0.90
Avg Eff Maturity	-	-	2.34

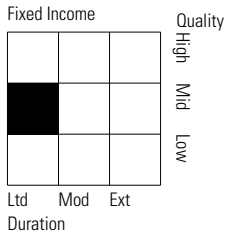
PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

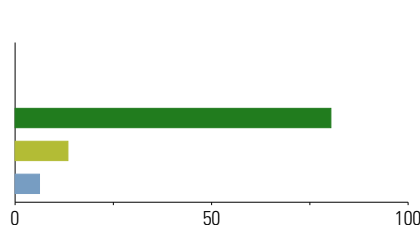
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

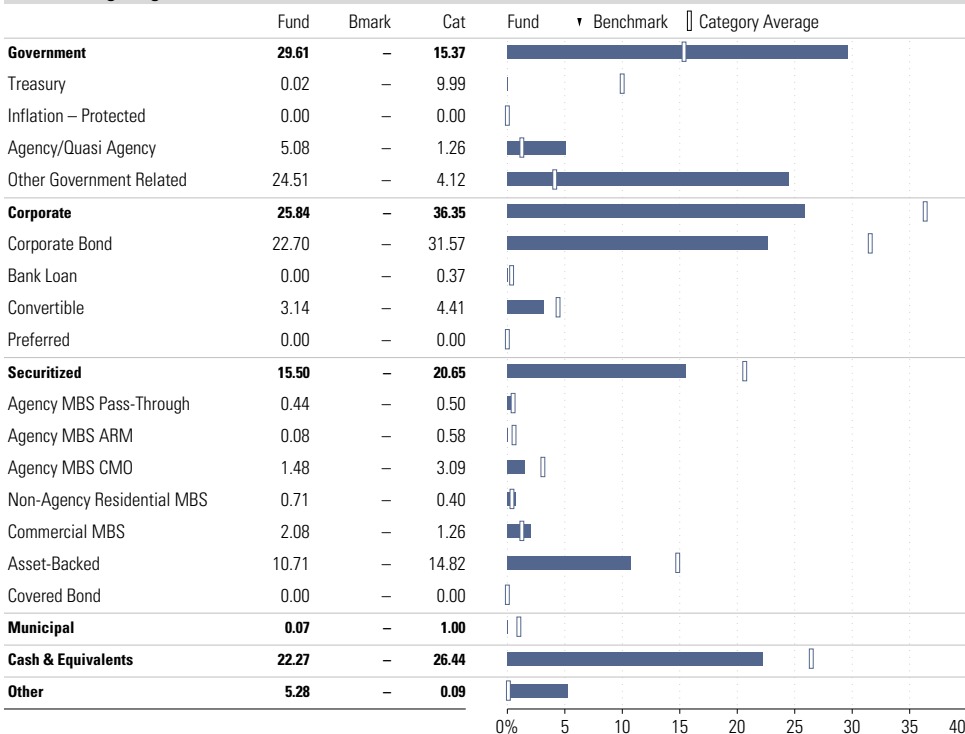


Asset Class	Net %	Cat%
US Stocks	0.00	0.00
Non-US Stocks	0.00	0.00
Bonds	80.35	70.09
Cash	13.44	27.70
Other	6.21	2.22
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	42.34	3.53	43.89
AA	4.03	74.59	6.32
A	23.62	10.82	18.20
BBB	28.38	8.32	21.88
BB	1.27	0.28	1.39
B	0.19	0.00	1.10
Below B	0.17	0.00	0.26
Not Rated	0.00	2.46	6.97

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✱ Cash Offset	-	38.32	38.32	-
⊖ 5 Year Treasury Note Future Sept 22	10-2022	29.03	67.35	-
⊕ 2 Year Treasury Note Future Sept 22	10-2022	8.68	76.03	-
⊖ CDX IG38 5Y ICE	06-2027	8.57	84.60	-
⊕ RFR USD SOFR/2.70423 07/06/22-2Y* CME Pay	03-2024	8.51	93.11	-
⊕ RFR USD SOFR/2.70423 07/06/22-2Y* CME Receive	03-2024	8.46	101.57	-
⊕ RFR USD SOFR/2.66833 07/06/22-2Y* CME Pay	03-2024	5.89	107.46	-
⊕ RFR USD SOFR/2.66833 07/06/22-2Y* CME Receive	03-2024	5.85	113.31	-
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Pay	01-2023	5.72	119.03	-
⊕ IRS USD R 3ML/1ML+9.75 01/13/22-23 CME Receive	01-2023	5.72	124.75	-

Total Holdings 1276

⊕ 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 6.43 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% lower than the Large Blend category average.

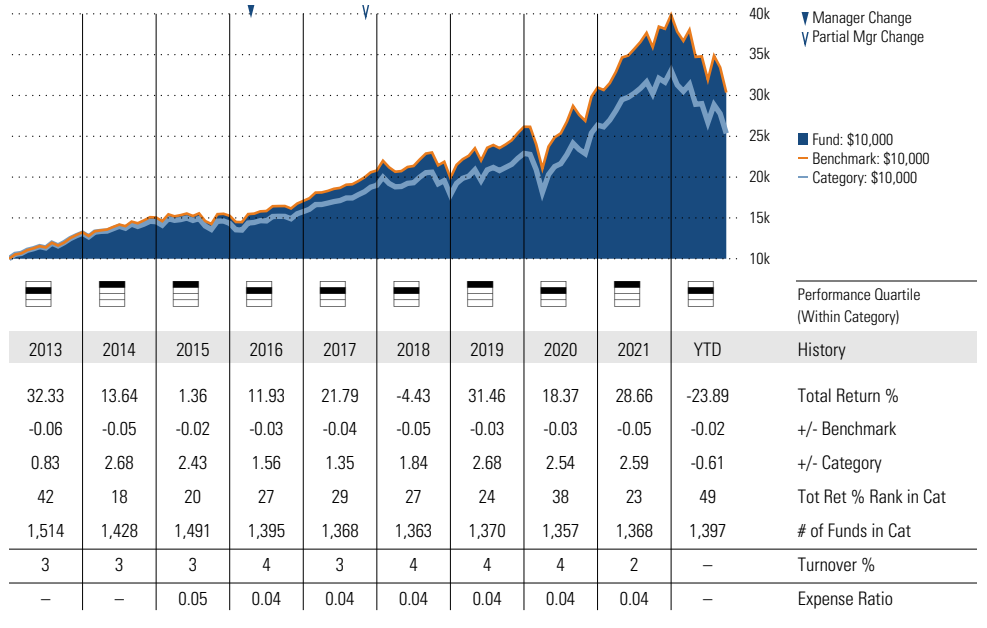
Morningstar Investment Management LLC Analysis

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

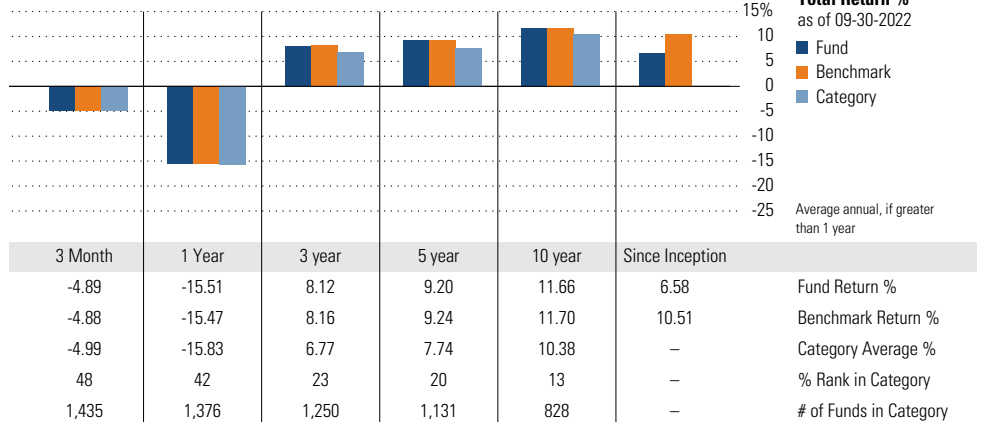
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

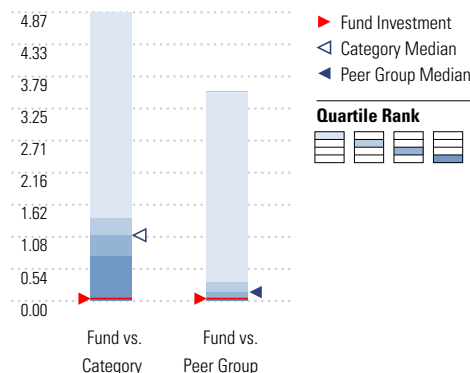
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.04	-	-1.32
Beta	1.00	-	0.96
R-Squared	100.00	-	95.48
Standard Deviation	20.30	20.30	19.87
Sharpe Ratio	0.45	0.45	0.37
Tracking Error	0.01	-	4.01
Information Ratio	-3.65	-	-0.98
Up Capture Ratio	99.95	-	92.89
Down Capture Ratio	100.07	-	97.59

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	19.65	17.98	18.23
Price/Book Ratio	3.73	3.38	3.60
Geom Avg Mkt Cap \$B	182.15	164.20	210.33
ROE	32.18	31.94	32.91

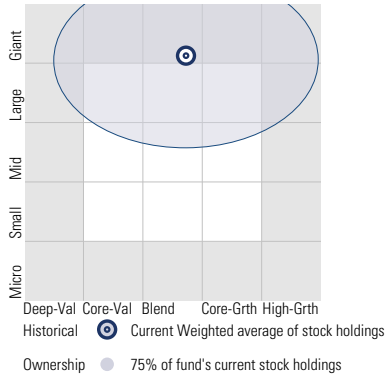
Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

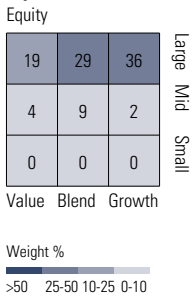
Morningstar Index
S&P 500 TR USD

Style Analysis as of 09-30-2022

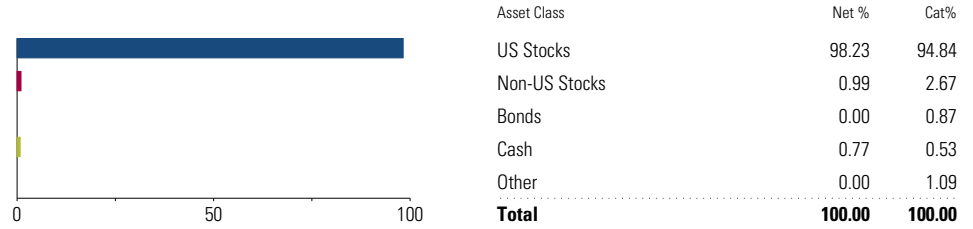
Morningstar Style Box™



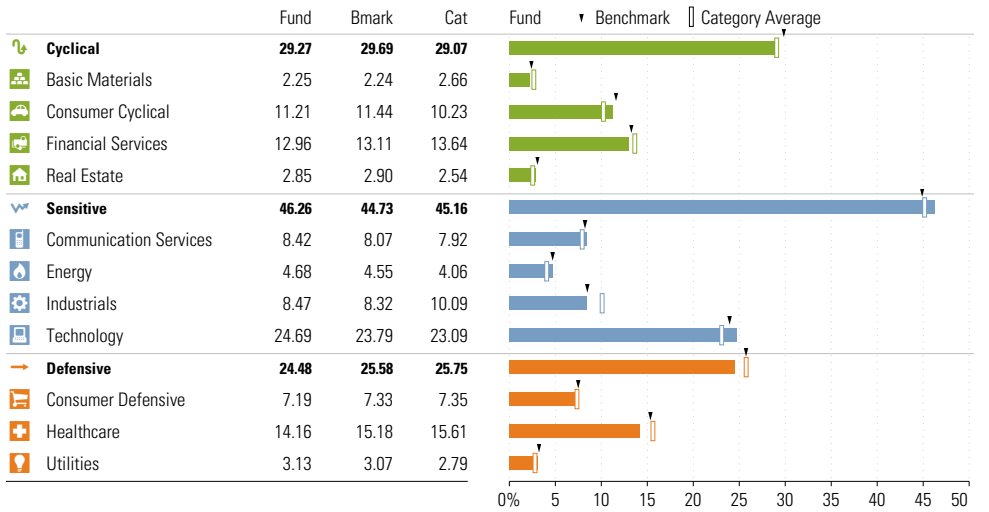
Style Breakdown



Asset Allocation as of 09-30-2022



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.20	7.20	-21.79	Technology
⊕ Microsoft Corp	5.83	13.03	-30.20	Technology
⊕ Amazon.com Inc	3.30	16.33	-32.22	Consumer Cyclical
⊕ Tesla Inc	2.07	18.40	-24.70	Consumer Cyclical
⊕ Alphabet Inc Class A	1.93	20.33	-33.97	Communication Svc
⊕ Alphabet Inc Class C	1.80	22.13	-33.54	Communication Svc
⊕ Berkshire Hathaway Inc Class B	1.51	23.64	-10.70	Financial Services
⊕ UnitedHealth Group Inc	1.45	25.10	1.52	Healthcare
⊕ Johnson & Johnson	1.26	26.36	-2.57	Healthcare
⊕ Exxon Mobil Corp	1.20	27.56	47.00	Energy
⊕ NVIDIA Corp	1.13	28.69	-58.69	Technology
⊕ Meta Platforms Inc Class A	1.11	29.80	-59.66	Communication Svc
⊕ JPMorgan Chase & Co	1.00	30.79	-32.11	Financial Services
⊕ Procter & Gamble Co	0.99	31.78	-21.17	Consumer Defensive
⊕ Visa Inc Class A	0.97	32.75	-17.50	Financial Services

Total Holdings 506

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Portfolio Manager(s)

John Madziyire since 11-2021

Quantitative Screens

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

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

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.1 is 83.05% lower than the Inflation-Protected Bond category average.

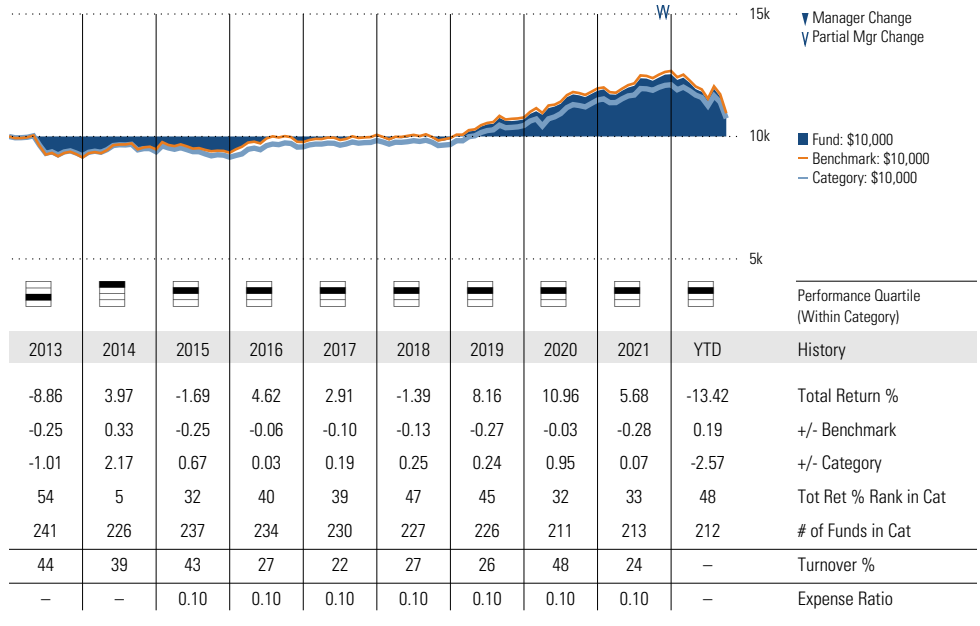
Morningstar Investment Management LLC Analysis

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

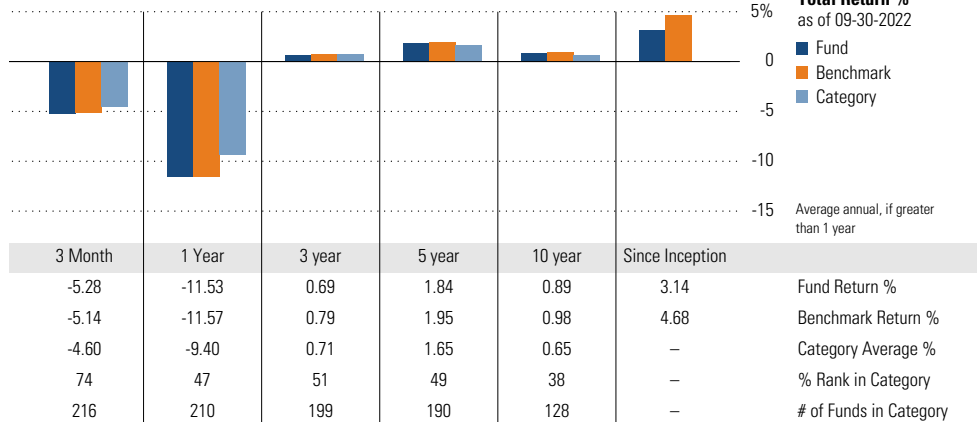
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

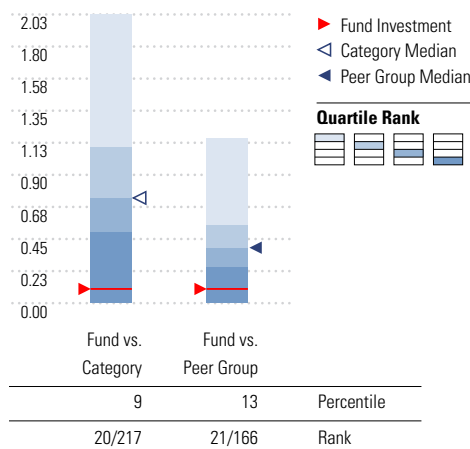
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.09	-	0.20
Beta	0.97	-	0.91
R-Squared	99.43	-	88.08
Standard Deviation	6.68	6.87	6.78
Sharpe Ratio	0.04	0.06	0.10
Tracking Error	0.54	-	2.52
Information Ratio	-0.19	-	-0.20
Up Capture Ratio	95.25	-	92.73
Down Capture Ratio	96.11	-	90.87

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.37	4.52	6.08
Avg Eff Maturity	7.70	-	6.57

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

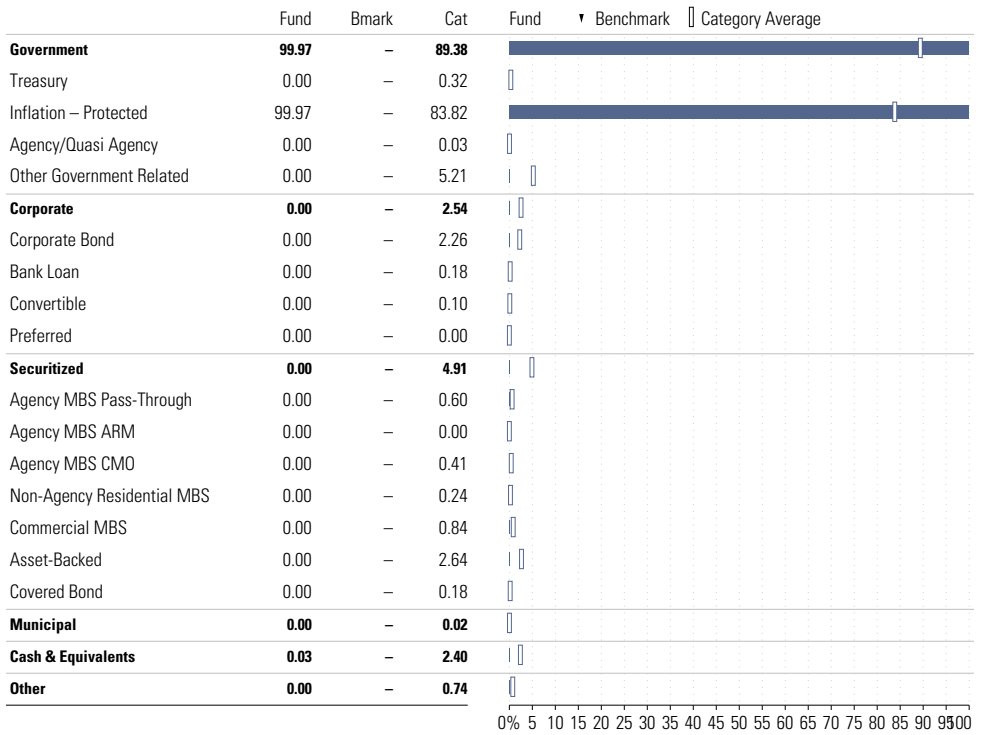


Asset Class	Net %	Cat%
US Stocks	0.00	0.15
Non-US Stocks	0.00	0.00
Bonds	99.99	97.50
Cash	0.01	1.40
Other	0.00	0.95
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	99.96	0.00	94.89
AA	0.00	99.60	0.55
A	0.00	0.00	1.01
BBB	0.00	0.00	2.40
BB	0.00	0.00	0.41
B	0.00	0.00	0.24
Below B	0.00	0.00	0.11
Not Rated	0.04	0.40	0.39

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
United States Treasury Notes	-	6.32	6.32	-
⊕ United States Treasury Notes	-	4.11	10.44	-
⊖ United States Treasury Notes	-	3.73	14.17	-
⊕ United States Treasury Notes	-	3.54	17.71	-
⊕ United States Treasury Notes	-	3.33	21.04	-
United States Treasury Notes	-	3.23	24.27	-
⊖ United States Treasury Notes	-	2.99	27.26	-
United States Treasury Notes	-	2.88	30.14	-
⊕ United States Treasury Notes	-	2.80	32.94	-
⊖ United States Treasury Notes	-	2.74	35.68	-

Total Holdings 49

⊕ Increase ⊖ Decrease ✱ New to Portfolio

Vanguard International Value Inv VTRIX

Morningstar Category
Foreign Large Value

Morningstar Index
MSCI EAFE NR USD

Portfolio Manager(s)

Michael Bennett since 05-2010
 Michael Fry since 05-2010
 Steven Morrow since 08-2012
 A. Rama Krishna since 12-2012
 Arjun Kumar since 10-2020
 Shirley Woo since 10-2020

Quantitative Screens

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

Management: The fund's management has been in place for 12.35 years.

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

Net Expense: The fund's expense ratio of 0.36 is 63.27% lower than the Foreign Large Value category average.

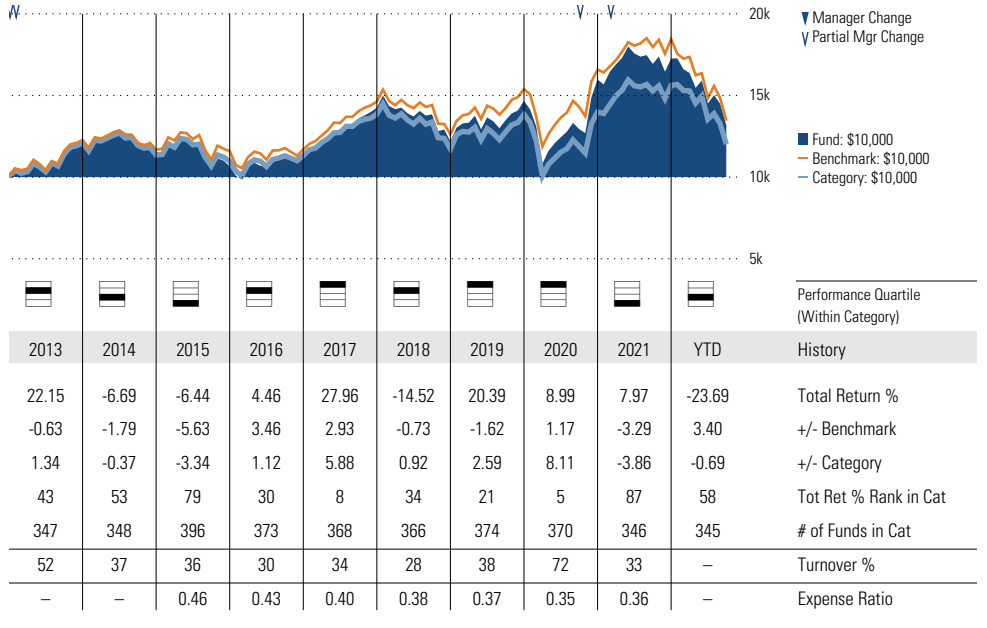
Morningstar Investment Management LLC Analysis

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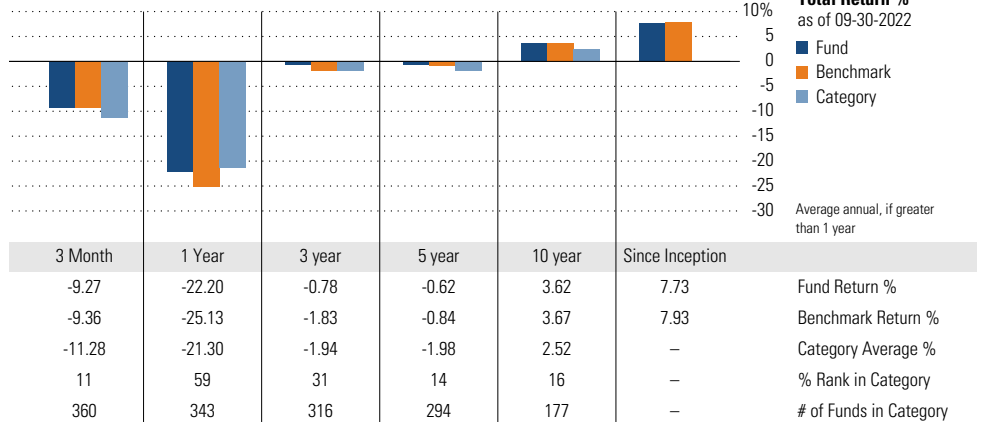
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022

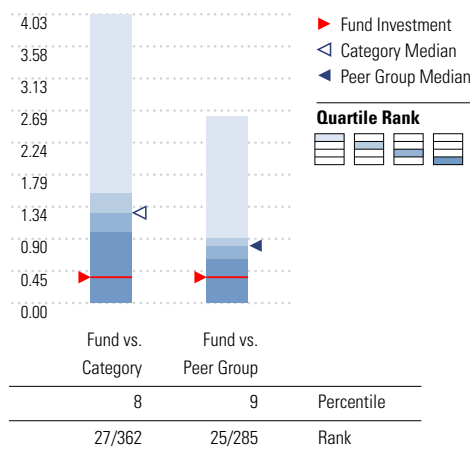
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.38	-	0.34
Beta	1.04	-	1.04
R-Squared	92.26	-	89.47
Standard Deviation	20.65	19.12	21.05
Sharpe Ratio	0.03	-0.04	-0.02
Tracking Error	5.79	-	7.05
Information Ratio	0.18	-	-0.02
Up Capture Ratio	104.09	-	102.74
Down Capture Ratio	99.77	-	102.75

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	13.50	11.53	8.37
Price/Book Ratio	1.52	1.45	1.03
Geom Avg Mkt Cap \$B	32.18	37.04	27.97
ROE	14.40	18.66	16.85

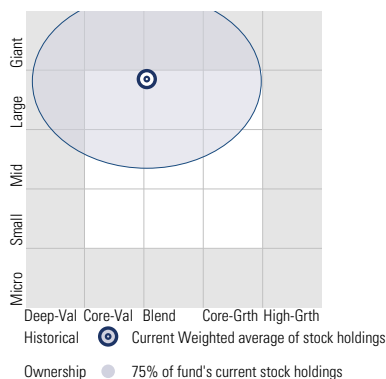
Vanguard International Value Inv VTRIX

Morningstar Category
Foreign Large Value

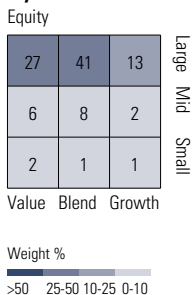
Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 09-30-2022

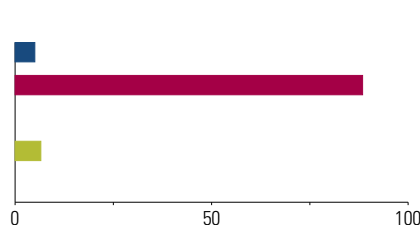
Morningstar Style Box™



Style Breakdown

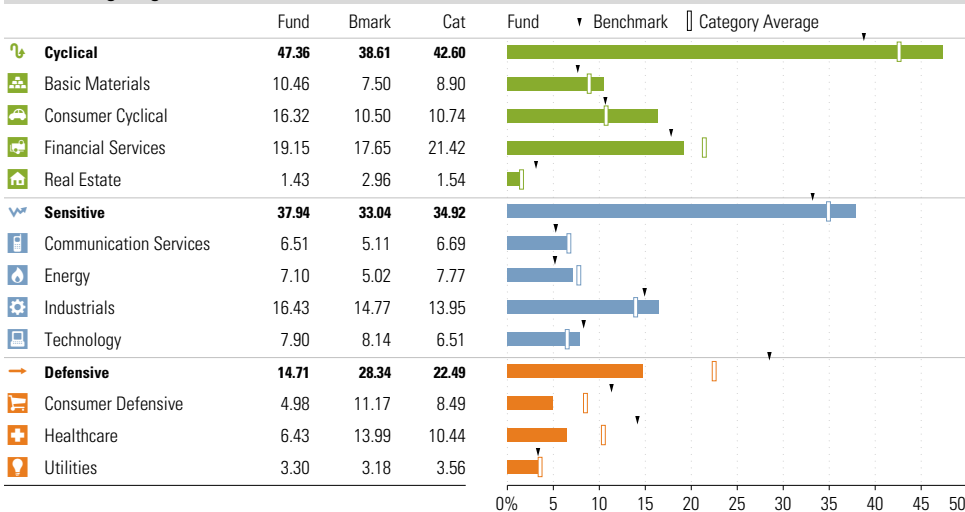


Asset Allocation as of 09-30-2022

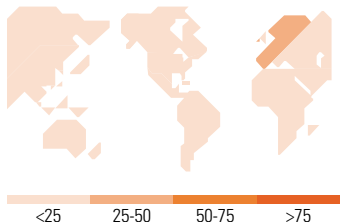


Asset Class	Net %	Cat%
US Stocks	5.02	2.62
Non-US Stocks	88.42	95.07
Bonds	0.00	0.07
Cash	6.55	2.14
Other	0.00	0.09
Total	100.00	100.00

Sector Weighting as of 09-30-2022



World Regions % Equity 09-30-2022



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	37.94	31.10	Americas	11.87	8.91	Greater Europe	50.17	59.99	Developed Markets	80.33
Japan	10.41	17.03	North America	7.38	7.67	United Kingdom	16.07	18.32	Emerging Markets	19.67
Australasia	1.61	3.76	Central/Latin	4.49	1.24	W euro-ex UK	33.04	41.06	Not Available	0.00
Asia-4 Tigers	11.71	7.20				Emrgng Europe	0.00	0.09		
Asia-ex 4 Tigers	14.21	3.11				Africa	1.06	0.52		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Mktliq 12/31/2049	4.85	4.85	-	-
⊕ Alibaba Group Holding Ltd Ordinary Shares	1.44	6.29	-17.44	Consumer Cyclical
⊕ HSBC Holdings PLC	1.38	7.67	8.99	Financial Services
⊕ TotalEnergies SE	1.37	9.04	14.15	Energy
⊕ Compass Group PLC	1.33	10.37	10.75	Consumer Cyclical
⊕ Holcim Ltd	1.33	11.69	-7.16	Basic Materials
⊕ Novartis AG	1.30	12.99	-3.41	Healthcare
⊖ Bank Bradesco SA ADR	1.27	14.26	20.01	Financial Services
⊕ RELX PLC	1.17	15.43	-6.19	Communication Svc
⊕ BP PLC	1.12	16.55	35.18	Energy

Total Holdings 238

⊕ 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
Awais Khan since 07-2021

Quantitative Screens

- Performance:** The fund has finished in the Mid-Cap 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 9.61 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 93.33% lower than the Mid-Cap Growth category average.

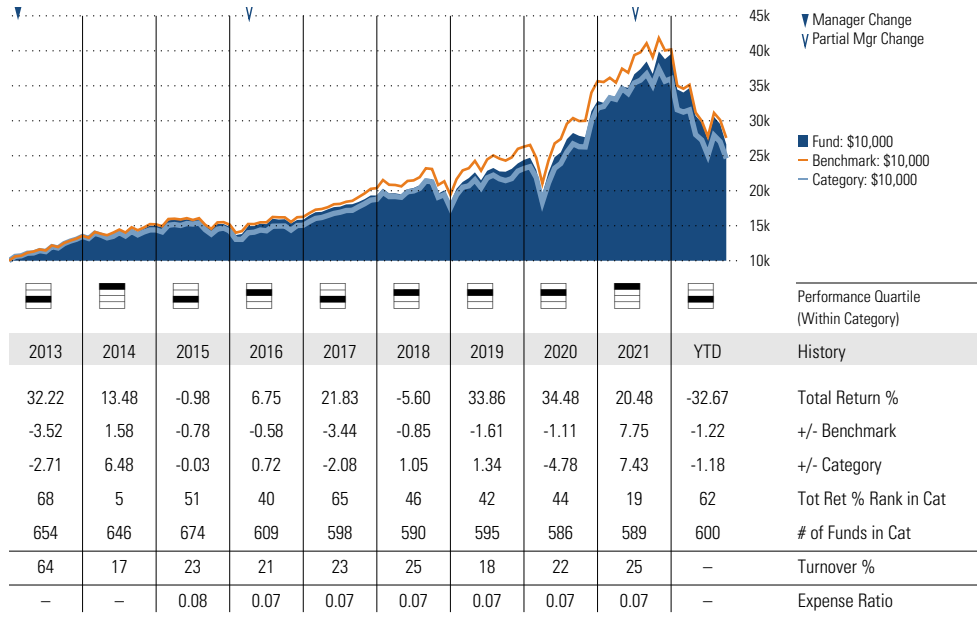
Morningstar Investment Management LLC Analysis

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.

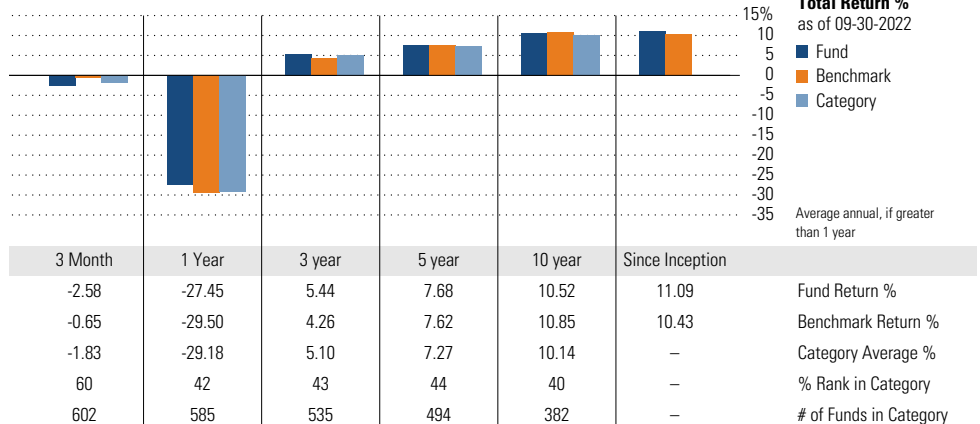
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

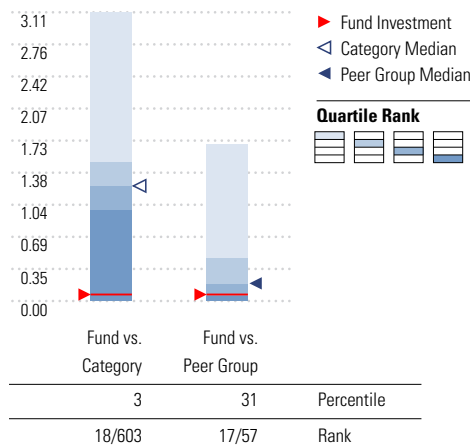
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.18	-	0.85
Beta	1.00	-	0.99
R-Squared	98.69	-	91.53
Standard Deviation	24.28	24.18	25.14
Sharpe Ratio	0.31	0.26	0.28
Tracking Error	2.78	-	7.20
Information Ratio	0.42	-	-0.02
Up Capture Ratio	102.47	-	100.98
Down Capture Ratio	98.97	-	99.49

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	28.54	22.23	24.18
Price/Book Ratio	4.83	5.66	3.64
Geom Avg Mkt Cap \$B	24.50	18.22	14.41
ROE	18.66	25.45	18.11

Vanguard Mid-Cap Growth Index Admiral VMGMX

Morningstar Category

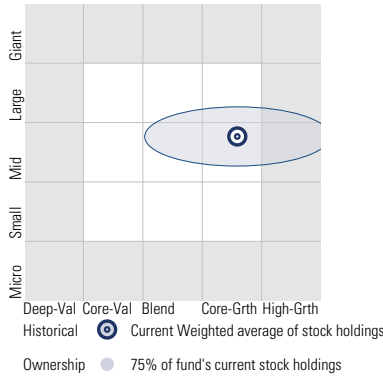
Mid-Cap Growth

Morningstar Index

Russell Mid Cap Growth TR USD

Style Analysis as of 09-30-2022

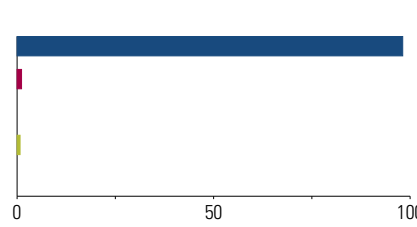
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2022



Asset Class	Net %	Cat%
US Stocks	98.12	92.12
Non-US Stocks	1.13	3.96
Bonds	0.00	0.07
Cash	0.75	3.50
Other	0.00	0.33
Total	100.00	100.00

Sector Weighting as of 09-30-2022

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	26.25	25.90	28.48			
Basic Materials	3.87	2.90	2.50			
Consumer Cyclical	9.26	15.37	12.72			
Financial Services	5.55	5.63	9.78			
Real Estate	7.57	2.00	3.48			
Sensitive	55.77	54.51	48.04			
Communication Services	6.10	4.82	3.34			
Energy	5.27	4.69	2.97			
Industrials	13.30	15.84	14.50			
Technology	31.10	29.16	27.23			
Defensive	17.99	19.59	23.47			
Consumer Defensive	1.27	3.24	2.51			
Healthcare	16.72	16.04	20.24			
Utilities	0.00	0.31	0.72			

Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Synopsys Inc	1.86	1.86	-17.09	Technology
⊕ Cadence Design Systems Inc	1.70	3.56	-12.30	Technology
⊕ Amphenol Corp Class A	1.53	5.09	-22.75	Technology
⊕ IQVIA Holdings Inc	1.50	6.59	-35.80	Healthcare
⊕ Realty Income Corp	1.47	8.07	-15.60	Real Estate
⊕ Devon Energy Corp	1.37	9.44	45.18	Energy
⊕ Enphase Energy Inc	1.27	10.71	51.67	Technology
⊕ Microchip Technology Inc	1.26	11.97	-28.95	Technology
⊕ Digital Realty Trust Inc	1.25	13.22	-41.86	Real Estate
⊕ MSCI Inc	1.23	14.45	-30.61	Financial Services
⊕ Cintas Corp	1.22	15.67	-11.72	Industrials
⊕ SBA Communications Corp	1.20	16.87	-26.28	Real Estate
⊕ ResMed Inc	1.16	18.03	-15.70	Healthcare
⊕ Waste Connections Inc	1.13	19.17	-0.33	Industrials
⊕ Cheniere Energy Inc	1.13	20.30	64.56	Energy

Total Holdings 181

⊕ 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

Awais Khan since 07-2021

Quantitative Screens

✔ **Performance:** The fund has finished in the Mid-Cap Value 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 16.13 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 92.93% lower than the Mid-Cap Value category average.

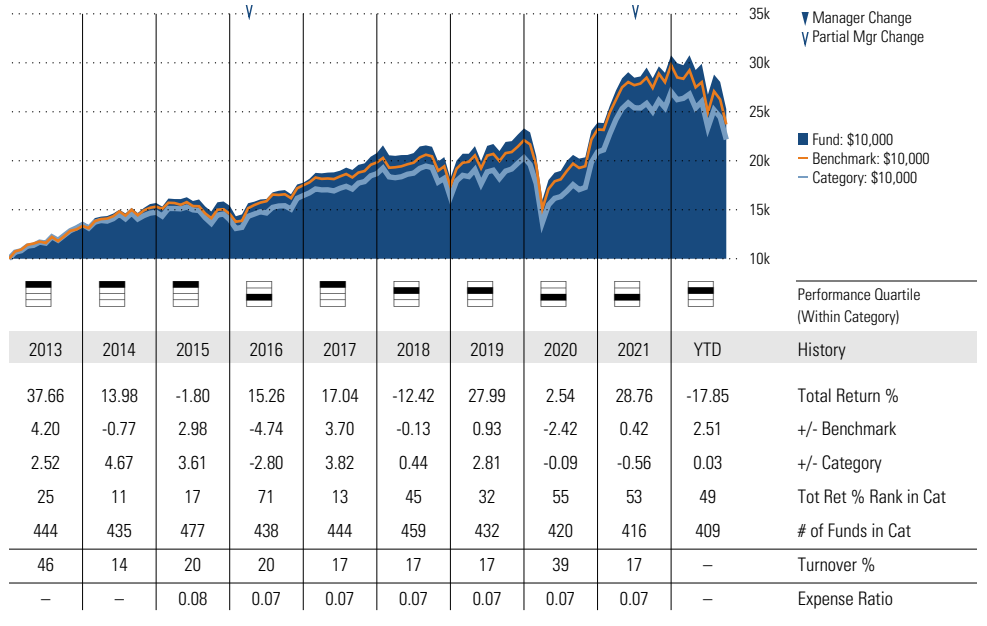
Morningstar Investment Management LLC Analysis

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.

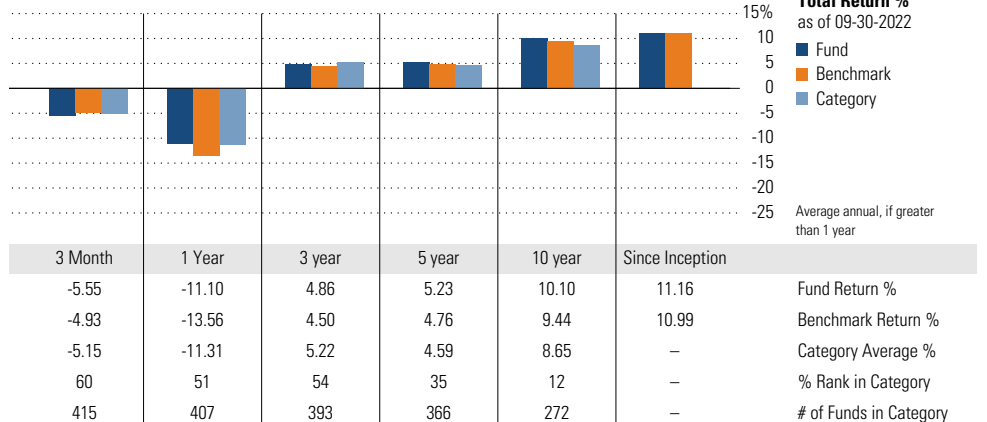
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Medium Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

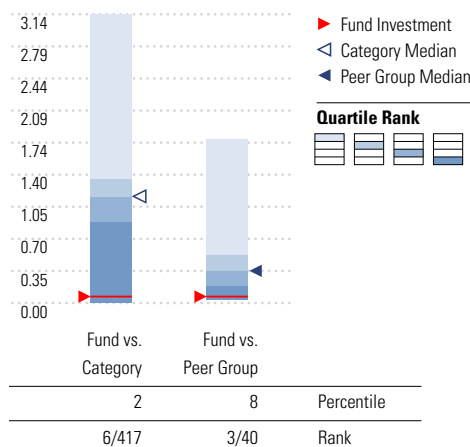
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.43	-	0.52
Beta	0.96	-	1.00
R-Squared	99.20	-	96.16
Standard Deviation	22.98	23.86	24.29
Sharpe Ratio	0.30	0.28	0.29
Tracking Error	2.28	-	5.16
Information Ratio	0.16	-	0.07
Up Capture Ratio	96.41	-	99.34
Down Capture Ratio	94.87	-	98.03

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	14.47	12.78	12.07
Price/Book Ratio	2.21	1.86	1.68
Geom Avg Mkt Cap \$B	22.20	14.50	11.80
ROE	20.49	15.61	18.22

Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category

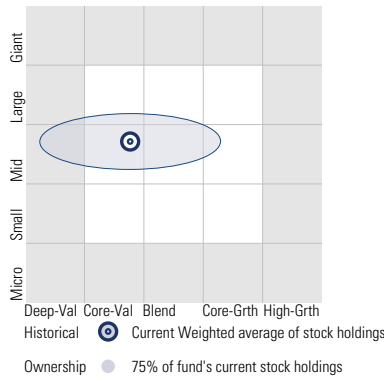
Mid-Cap Value

Morningstar Index

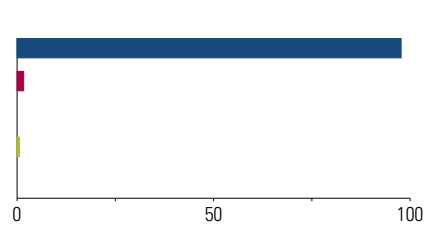
Russell Mid Cap Value TR USD

Style Analysis as of 09-30-2022

Morningstar Style Box™

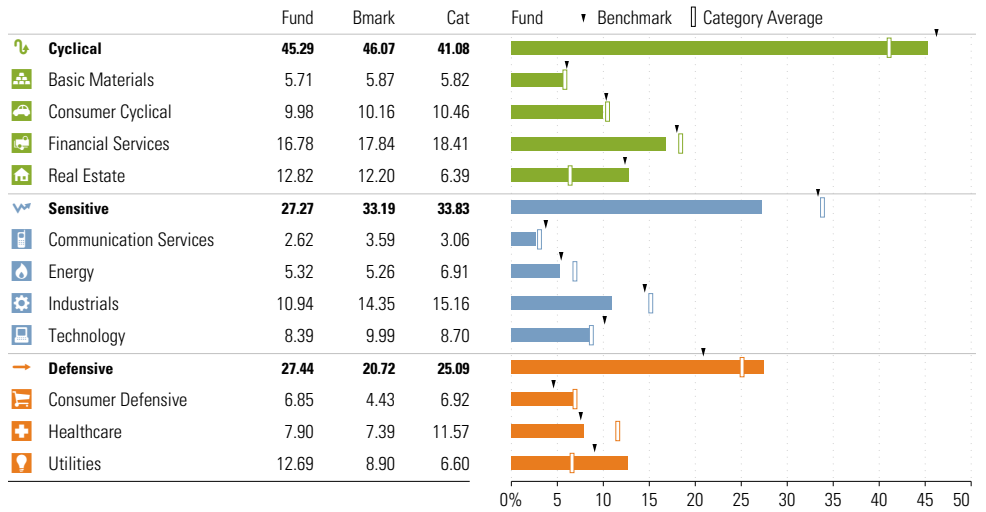


Asset Allocation as of 09-30-2022

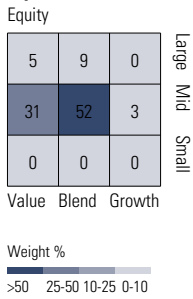


Asset Class	Net %	Cat%
US Stocks	97.71	90.50
Non-US Stocks	1.67	6.72
Bonds	0.00	0.05
Cash	0.62	2.46
Other	0.00	0.26
Total	100.00	100.00

Sector Weighting as of 09-30-2022



Style Breakdown



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Corteva Inc	1.28	1.28	21.79	Basic Materials
⊖ Welltower OP LLC	1.20	2.48	-22.88	Real Estate
⊖ Arthur J. Gallagher & Co	1.15	3.63	1.82	Financial Services
⊖ Nucor Corp	1.11	4.74	-4.96	Basic Materials
⊖ Dollar Tree Inc	1.09	5.82	-3.15	Consumer Defensive
⊖ Consolidated Edison Inc	1.08	6.90	3.29	Utilities
⊖ Carrier Global Corp Ordinary Shares	1.05	7.96	-33.89	Industrials
⊖ VICI Properties Inc Ordinary Shares	1.01	8.96	2.82	Real Estate
⊖ WEC Energy Group Inc	1.00	9.97	-5.62	Utilities
⊖ M&T Bank Corp	0.98	10.94	17.15	Financial Services
⊖ International Flavors & Fragrances Inc	0.97	11.91	-38.12	Basic Materials
⊖ Eversource Energy	0.93	12.84	-12.21	Utilities
⊖ The Kroger Co	0.92	13.77	-1.83	Consumer Defensive
⊖ AvalonBay Communities Inc	0.92	14.68	-25.19	Real Estate
⊖ Rockwell Automation Inc	0.91	15.59	-37.37	Industrials

Total Holdings 203

⊕ 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 10 of the 10 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 — Small Growth — 45.45 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 94.12% lower than the Small Growth category average.

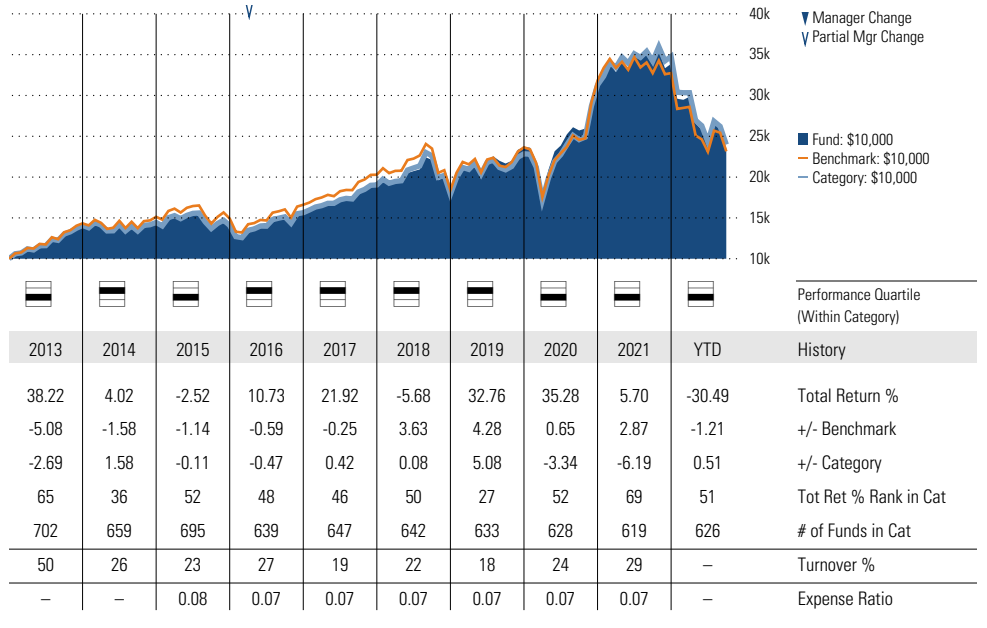
Morningstar Investment Management LLC Analysis

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

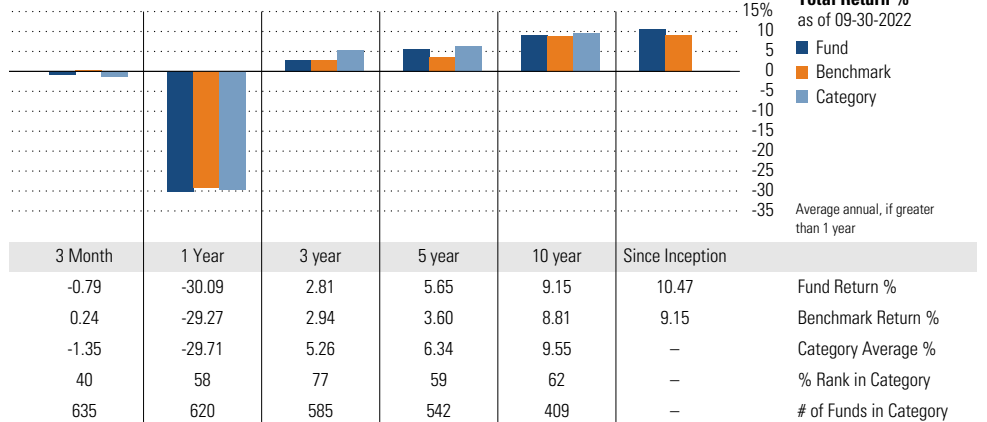
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2022
Carbon Risk Score	Low Risk	06-30-2022
ESG Commitment	1-Low	02-15-2022

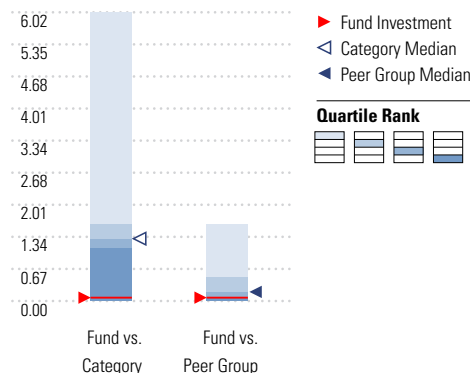
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.04	-	2.14
Beta	0.96	-	0.95
R-Squared	96.81	-	91.07
Standard Deviation	25.27	25.97	26.02
Sharpe Ratio	0.21	0.21	0.28
Tracking Error	4.65	-	7.98
Information Ratio	-0.03	-	0.25
Up Capture Ratio	97.34	-	99.82
Down Capture Ratio	97.62	-	94.40

Portfolio Metrics

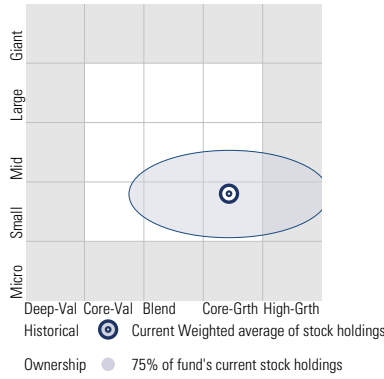
	Fund	Bmark	Cat
Price/Earnings Ratio	23.04	13.92	20.21
Price/Book Ratio	3.60	3.41	3.60
Geom Avg Mkt Cap \$B	5.07	2.37	4.40
ROE	9.93	10.03	15.28

Vanguard Small Cap Growth Index Admiral VSGAX

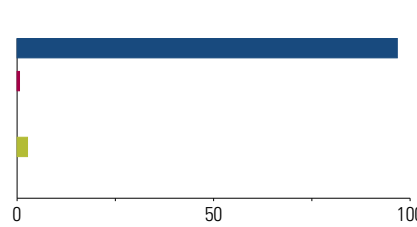
Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 09-30-2022
Morningstar Style Box™

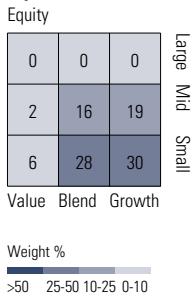


Asset Allocation as of 09-30-2022

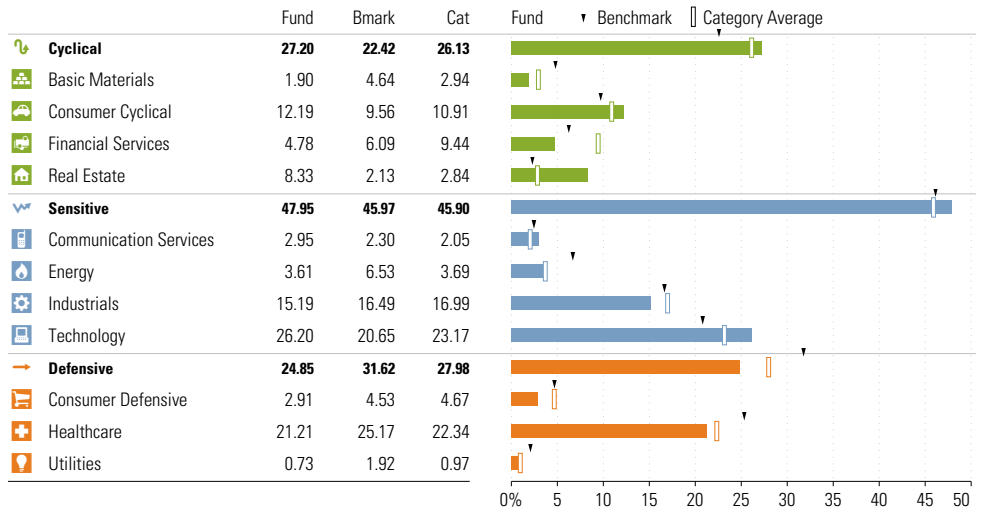


Asset Class	Net %	Cat%
US Stocks	96.74	92.44
Non-US Stocks	0.61	4.23
Bonds	0.00	0.01
Cash	2.65	2.96
Other	0.00	0.37
Total	100.00	100.00

Style Breakdown



Sector Weighting as of 09-30-2022



Top 15 Holdings as of 09-30-2022

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Slcmt1142	2.45	2.45	-	-
⊖ Entegris Inc	0.83	3.28	-39.88	Technology
⊖ Bio-Techne Corp	0.77	4.05	-44.92	Healthcare
⊖ Liberty Formula One Group C	0.67	4.72	-7.50	Communication Svc
⊖ PTC Inc	0.66	5.38	-13.66	Technology
⊖ Equity Lifestyle Properties Inc	0.63	6.00	-26.91	Real Estate
⊖ Nordson Corp	0.61	6.61	-16.19	Industrials
⊖ Fair Isaac Corp	0.61	7.22	-4.99	Technology
⊖ Repligen Corp	0.60	7.82	-29.35	Healthcare
⊖ Graco Inc	0.58	8.40	-24.86	Industrials
⊖ Texas Pacific Land Corp	0.58	8.98	44.63	Energy
⊖ Darling Ingredients Inc	0.57	9.54	-4.53	Consumer Defensive
⊖ Rexford Industrial Realty Inc	0.55	10.09	-34.72	Real Estate
⊖ American Homes 4 Rent Class A	0.53	10.63	-23.53	Real Estate
⊖ CubeSmart	0.52	11.15	-27.34	Real Estate

Total Holdings 713

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Western Asset Core Bond IS WACSX

Morningstar Category
Intermediate Core Bond

Morningstar Index
Bloomberg 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 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 15.76 years.

Style Consistency is not calculated for Fixed Income funds.

Net Expense: The fund's expense ratio of 0.43 is 27.12% lower than the Intermediate Core Bond category average.

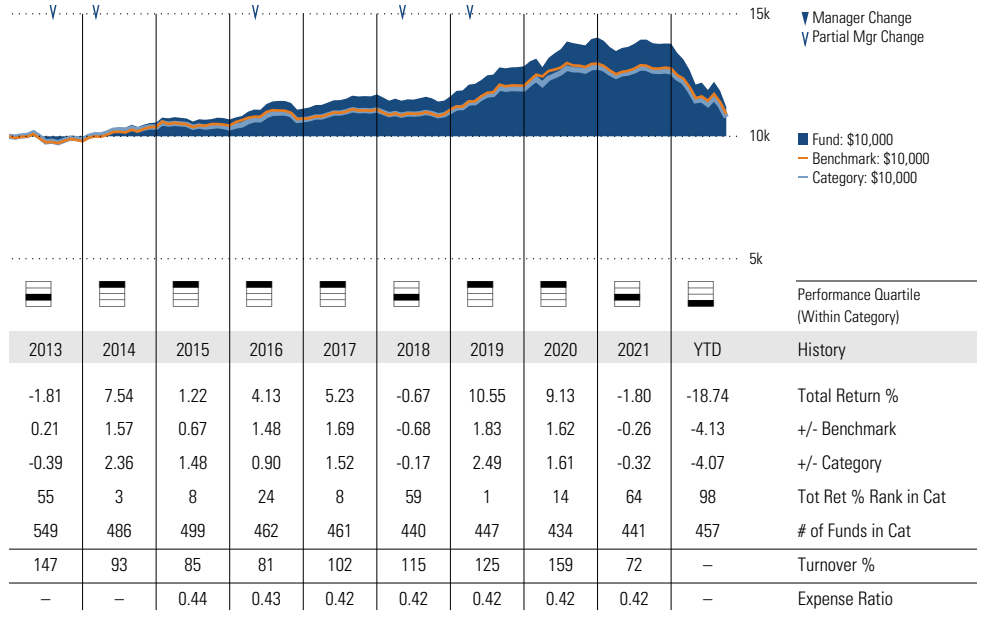
Morningstar Investment Management LLC Analysis

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

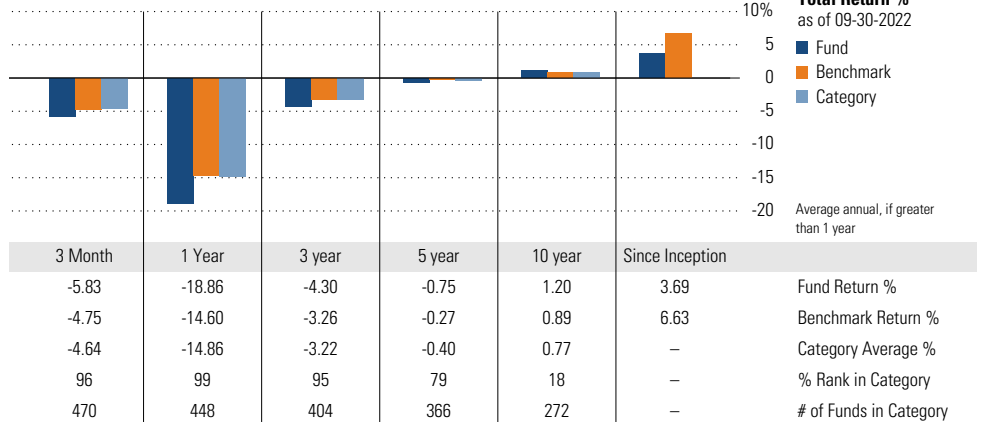
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2022

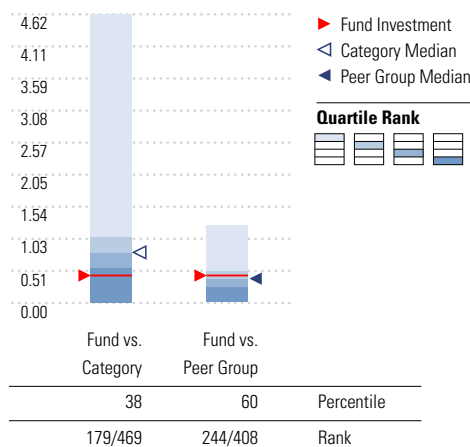
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.27	-	0.06
Beta	1.23	-	1.00
R-Squared	92.38	-	91.94
Standard Deviation	6.85	5.36	5.61
Sharpe Ratio	-0.69	-0.70	-0.67
Tracking Error	2.25	-	1.53
Information Ratio	-0.46	-	-0.06
Up Capture Ratio	126.38	-	104.83
Down Capture Ratio	128.54	-	102.46

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.97	4.43	5.95
Avg Eff Maturity	12.76	-	8.08

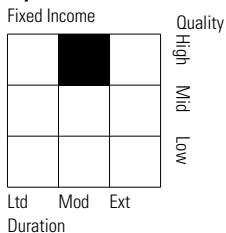
Western Asset Core Bond IS WACSX

Morningstar Category
Intermediate Core Bond

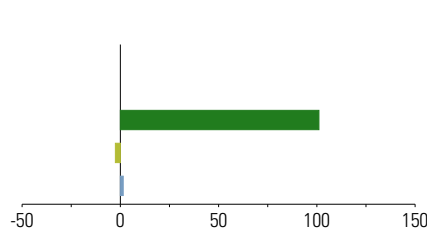
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2022

Style Breakdown



Asset Allocation as of 09-30-2022

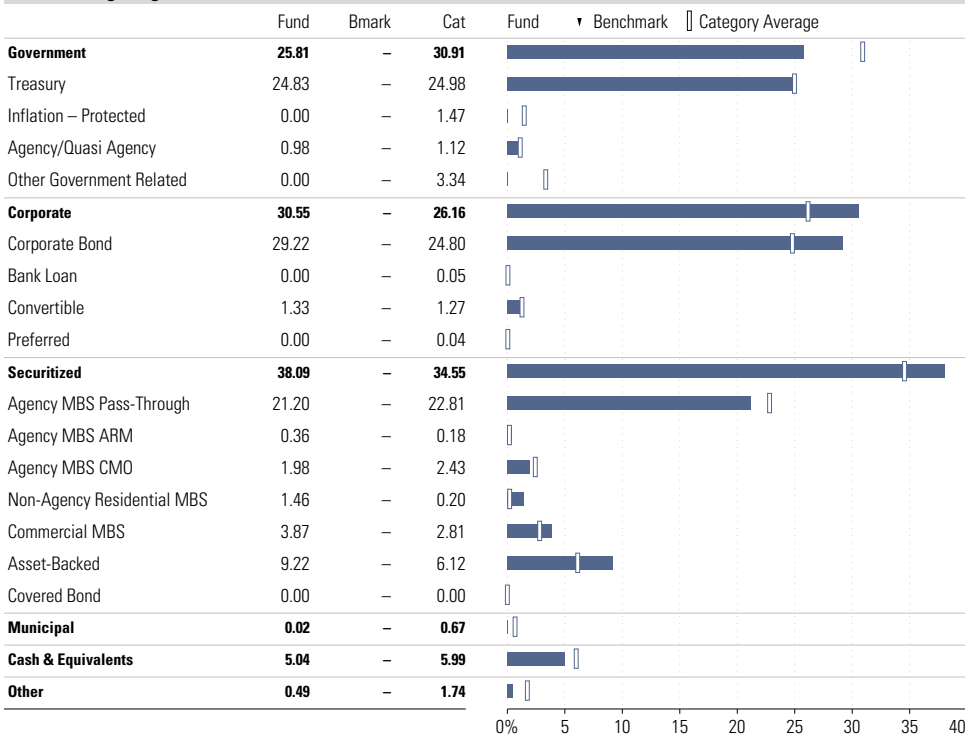


Asset Class	Net %	Cat%
US Stocks	0.00	0.05
Non-US Stocks	0.00	0.00
Bonds	101.06	94.93
Cash	-2.53	2.71
Other	1.46	2.30
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	59.52	3.53	48.24
AA	7.43	74.59	11.54
A	13.57	10.82	24.71
BBB	16.24	8.32	12.75
BB	1.08	0.28	1.25
B	0.03	0.00	0.50
Below B	0.00	0.00	0.28
Not Rated	2.13	2.46	0.73

Sector Weighting as of 09-30-2022



Top 10 Holdings as of 09-30-2022

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊕ Trade Date Cash	-	6.60	6.60	-
United States Treasury Bonds 1.875%	-	4.97	11.56	-
⊕ Western Asset Prem Instl Govtt Rsrp Pref	-	3.47	15.03	-
⊖ United States Treasury Bonds 1.375%	-	2.20	17.23	-
⊕ Usd Swap Contra Asset	-	1.47	18.71	-
⊕ Usd Otc Cash Margin	-	1.33	20.04	-
⊕ Federal National Mortgage Association 3.5%	-	1.21	21.25	-
United States Treasury Bonds 2.375%	-	1.16	22.41	-
United States Treasury Notes 0.25%	05-2025	1.00	23.41	-
United States Treasury Bonds 1.625%	-	0.99	24.40	-

Total Holdings 2637

⊕ Increase ⊖ Decrease ✱ New to Portfolio