

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
 Lara Pellini since 02-2019
 Jin Lee 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 17.67 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 56.25% lower than the Global Large-Stock Blend category average.

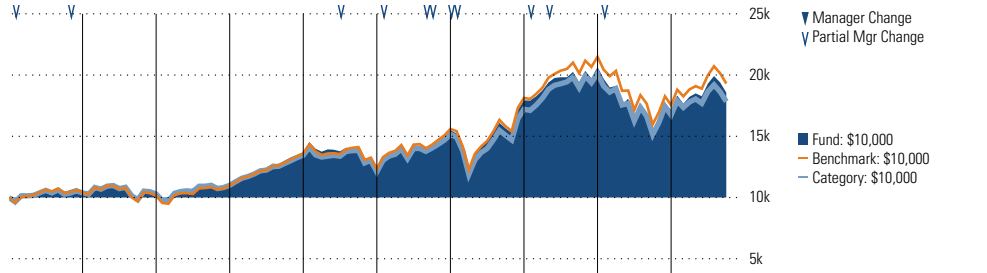
Morningstar Investment Management LLC Analysis

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

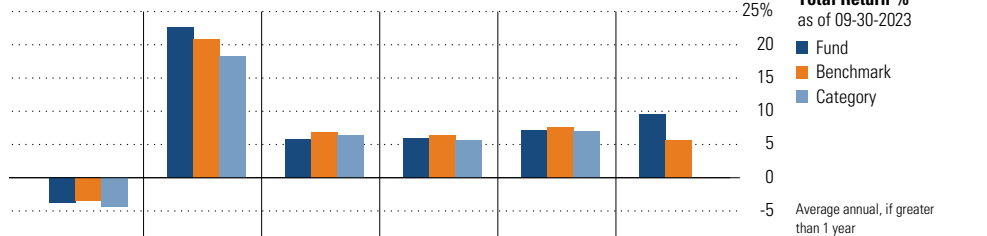
Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	05-18-2022

Growth of \$10,000



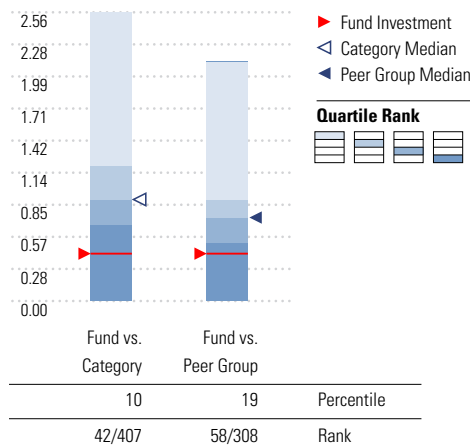
	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	History
4.36	-1.88	6.85	25.08	-9.97	25.74	15.78	15.15	-17.01	8.31	Total Return %	
0.20	0.48	-1.01	1.11	-0.56	-0.86	-0.47	-3.39	1.35	-1.75	+/- Benchmark	
0.69	-0.96	-0.08	2.80	0.09	0.48	2.82	-2.57	-0.34	1.49	+/- Category	
39	64	45	21	56	52	34	78	44	43	Tot Ret % Rank in Cat	
293	316	290	308	345	362	386	385	386	391	# of Funds in Cat	
36	35	35	35	49	23	36	32	32	-	Turnover %	
-	-	0.45	0.45	0.44	0.43	0.42	0.41	0.42	-	Expense Ratio	

Trailing Performance



	3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-3.80	22.68	5.86	5.90	7.18	9.60	Fund Return %	
-3.40	20.80	6.89	6.46	7.56	5.65	Benchmark Return %	
-4.40	18.33	6.40	5.58	6.96	-	Category Average %	
46	17	58	46	50	-	% Rank in Category	
400	389	359	307	205	-	# of Funds in Category	

Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.91	-	-0.39
Beta	1.00	-	0.98
R-Squared	96.85	-	92.28
Standard Deviation	17.29	17.09	17.39
Sharpe Ratio	0.30	0.35	0.32
Tracking Error	3.07	-	4.67
Information Ratio	-0.34	-	-0.12
Up Capture Ratio	98.15	-	98.93
Down Capture Ratio	102.19	-	101.56

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	17.41	18.01	18.92
Price/Book Ratio	3.05	2.62	2.96
Geom Avg Mkt Cap \$B	106.44	114.17	98.38
ROE	25.42	25.38	25.09

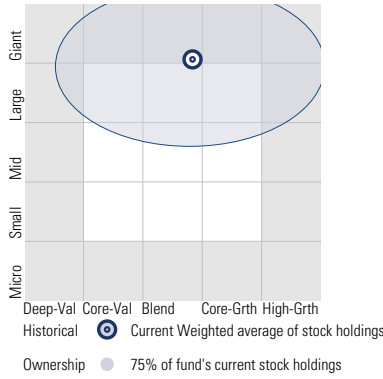
American Funds Capital World Gr&Inc R6 RWIGX

Morningstar Category
Global Large-Stock Blend

Morningstar Index
MSCI ACWI NR USD

Style Analysis as of 09-30-2023

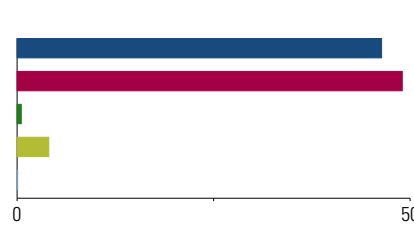
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	46.37	55.87
Non-US Stocks	49.00	39.23
Bonds	0.53	1.31
Cash	4.03	1.42
Other	0.07	2.18
Total	100.00	100.00

Sector Weighting as of 09-30-2023

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	28.98	32.83	31.24			
Basic Materials	6.73	4.34	4.87			
Consumer Cyclical	10.58	11.16	11.27			
Financial Services	11.02	14.95	13.30			
Real Estate	0.65	2.38	1.80			
Sensitive	45.56	45.72	44.76			
Communication Services	5.43	7.59	6.43			
Energy	5.48	4.93	4.23			
Industrials	13.82	10.27	14.83			
Technology	20.83	22.93	19.27			
Defensive	25.46	21.45	24.00			
Consumer Defensive	7.54	7.05	7.96			
Healthcare	15.65	11.84	12.93			
Utilities	2.27	2.56	3.11			

World Regions % Equity 09-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	18.00	13.33	Americas	55.93	62.46	Greater Europe	26.09	24.22	Developed Markets	92.30
Japan	6.36	5.62	North America	53.40	61.65	United Kingdom	5.77	6.00	Emerging Markets	7.70
Australasia	1.79	0.87	Central/Latin	2.53	0.81	W euro-ex UK	20.17	17.82	Not Available	0.00
Asia-4 Tigers	4.68	3.74				Emrgng Europe	0.01	0.04		
Asia-ex 4 Tigers	5.17	3.10				Africa	0.14	0.36		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash Fund	3.89	3.89	-	-
Broadcom Inc	3.59	7.48	51.02	Technology
Microsoft Corp	3.55	11.03	32.51	Technology
Taiwan Semiconductor Manufacturing Co Ltd	2.30	13.33	-	Technology
UnitedHealth Group Inc	1.87	15.20	-3.88	Healthcare
LVMH Moet Hennessy Louis Vuitton SE	1.78	16.99	-	Consumer Cyclical
ASML Holding NV	1.75	18.74	-	Technology
Philip Morris International Inc	1.57	20.30	-4.73	Consumer Defensive
Abbott Laboratories	1.43	21.73	-10.39	Healthcare
Eli Lilly and Co	1.43	23.16	47.75	Healthcare

Total Holdings 346

⊕ Increase ⊖ Decrease ✨ New to Portfolio

American Funds Intl Gr and Inc R6 RIGGX

Morningstar Category
Foreign Large Blend

Morningstar Index
MSCI ACWI Ex USA NR USD

Portfolio Manager(s)

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

Quantitative Screens

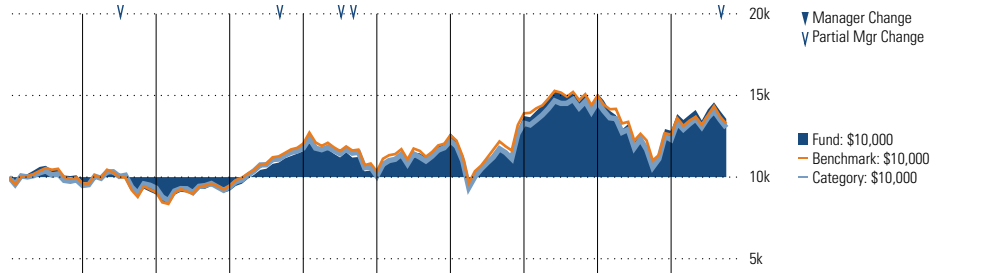
✔ **Performance:** The fund has finished in the Foreign Large Blend category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.01 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 37.93% lower than the Foreign Large Blend category average.

Growth of \$10,000



2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	History
-2.92	-7.97	2.54	26.50	-14.10	27.54	8.20	10.12	-15.16	5.69	Total Return %
0.95	-2.31	-1.96	-0.69	0.10	6.03	-2.45	2.30	0.84	0.35	+/- Benchmark
2.06	-6.38	1.75	1.38	0.49	5.95	-1.10	0.40	0.68	-0.26	+/- Category
20	90	28	33	43	5	55	54	44	59	Tot Ret % Rank in Cat
765	814	800	816	818	851	866	850	835	807	# of Funds in Cat
-	25	37	37	27	35	35	23	34	31	Turnover %
-	-	0.58	0.58	0.57	0.57	0.54	0.54	0.53	0.54	Expense Ratio

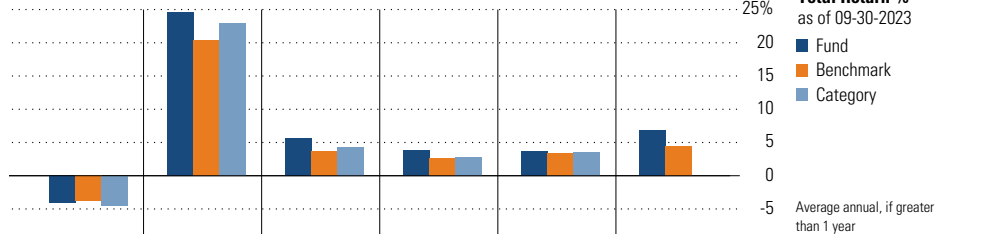
Morningstar Investment Management LLC Analysis

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ESG Metrics

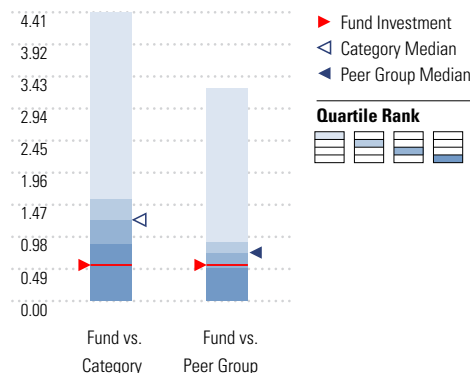
Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Trailing Performance



3 Month	1 Year	3 year	5 year	10 year	Since Inception	
-4.10	24.55	5.67	3.85	3.69	6.88	Fund Return %
-3.77	20.39	3.74	2.58	3.35	4.43	Benchmark Return %
-4.48	22.92	4.33	2.81	3.60	-	Category Average %
37	40	29	19	47	-	% Rank in Category
824	800	746	686	460	-	# of Funds in Category

Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.75	-	0.38
Beta	1.06	-	1.03
R-Squared	95.95	-	93.49
Standard Deviation	18.67	17.19	18.35
Sharpe Ratio	0.28	0.18	0.20
Tracking Error	3.91	-	4.70
Information Ratio	0.49	-	0.11
Up Capture Ratio	110.29	-	106.23
Down Capture Ratio	103.03	-	105.46

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.60	13.48	14.20
Price/Book Ratio	1.74	1.67	1.88
Geom Avg Mkt Cap \$B	49.84	42.75	56.55
ROE	20.60	17.72	20.14

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 09-30-2023

Morningstar Style Box™



Style Breakdown

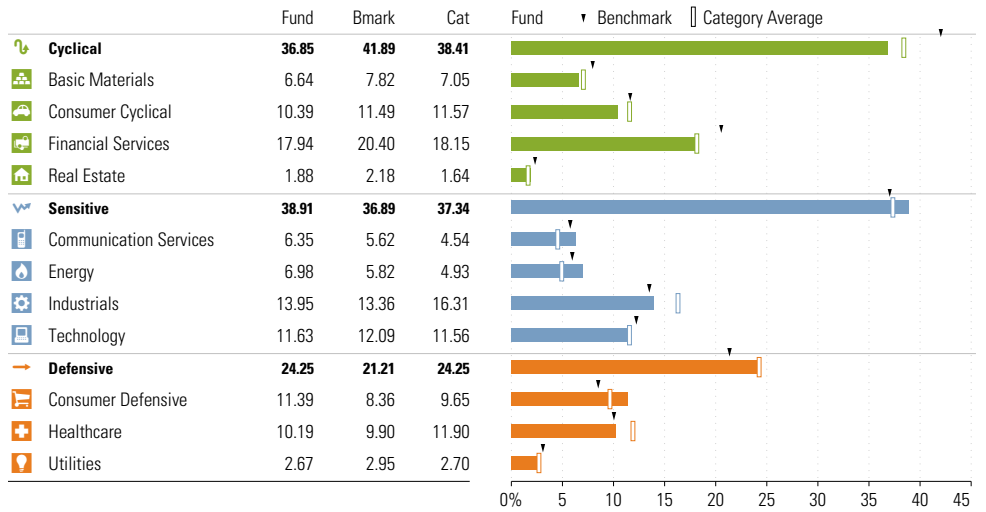


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	5.91	3.46
Non-US Stocks	88.60	93.89
Bonds	0.49	0.22
Cash	4.92	0.97
Other	0.08	1.45
Total	100.00	100.00

Sector Weighting as of 09-30-2023



World Regions % Equity 09-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	28.86	35.08	Americas	15.11	8.51	Greater Europe	56.03	56.41	Developed Markets	85.24
Japan	8.35	18.59	North America	10.62	7.23	United Kingdom	13.11	13.72	Emerging Markets	14.76
Australasia	0.49	4.86	Central/Latin	4.49	1.28	W euro-ex UK	41.30	41.70	Not Available	0.00
Asia-4 Tigers	10.67	6.61				Emrgng Europe	0.40	0.07		
Asia-ex 4 Tigers	9.35	5.02				Africa	1.22	0.92		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Capital Group Central Cash M	4.56	4.56	-	-
AstraZeneca PLC	3.16	7.72	-	Healthcare
Taiwan Semiconductor Manufacturing Co Ltd	2.42	10.14	-	Technology
ASML Holding NV	2.38	12.52	-	Technology
Novo Nordisk A/S Class B	2.29	14.81	-	Healthcare
Airbus SE	2.23	17.04	-	Industrials
Philip Morris International Inc	2.21	19.24	-4.73	Consumer Defensive
TotalEnergies SE	1.77	21.01	-	Energy
LVMH Moet Hennessy Louis Vuitton SE	1.60	22.61	-	Consumer Cyclical
British American Tobacco PLC	1.50	24.10	-	Consumer Defensive

Total Holdings 273

⊕ 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 23.02 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.

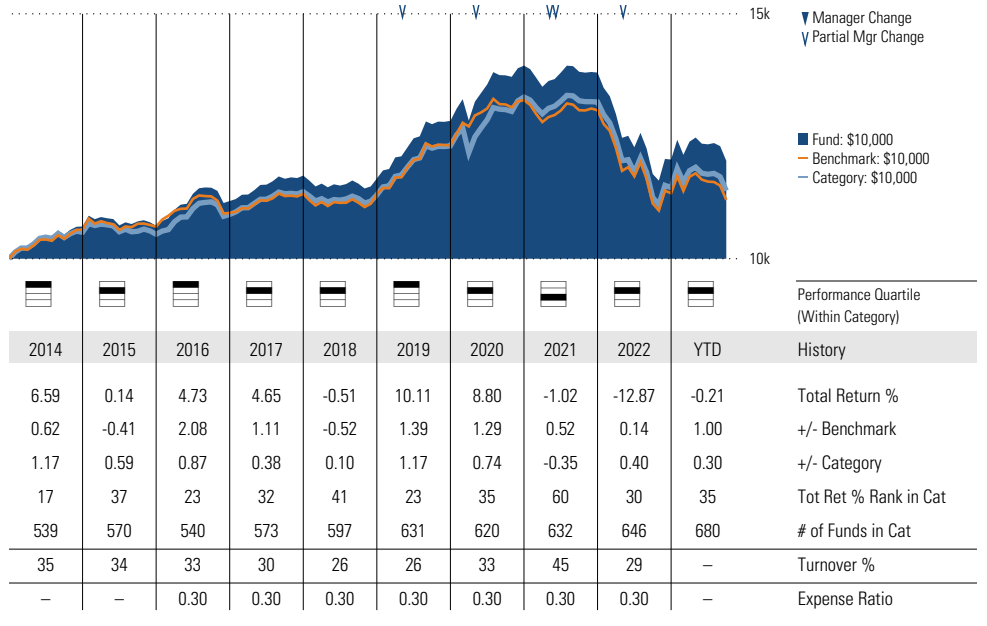
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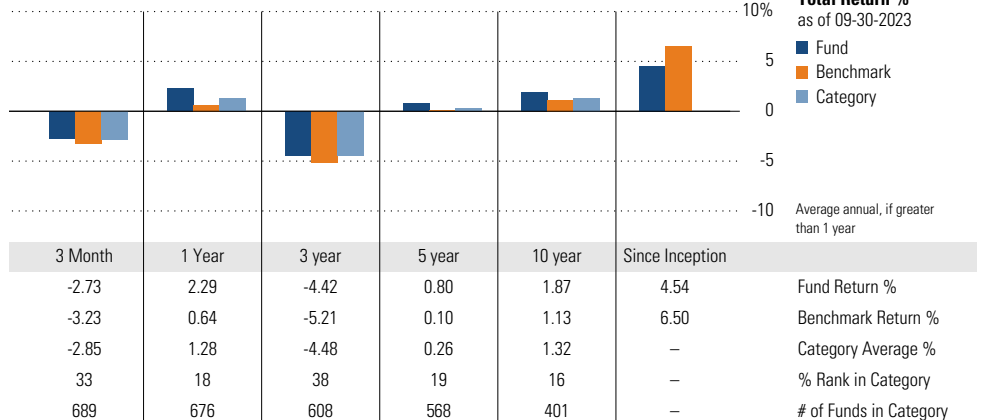
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
ESG Commitment	1-Low	02-15-2022

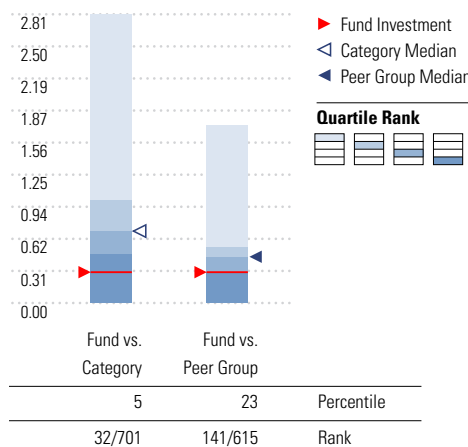
Growth of \$10,000



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	0.80	-	0.58
Beta	1.00	-	1.01
R-Squared	98.98	-	93.95
Standard Deviation	6.21	6.20	6.49
Sharpe Ratio	-1.03	-1.16	-1.03
Tracking Error	0.63	-	1.60
Information Ratio	1.25	-	0.31
Up Capture Ratio	102.21	-	103.07
Down Capture Ratio	93.76	-	97.08

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.06	4.43	6.32
Avg Eff Maturity	8.21	-	9.39

Baird Core Plus Bond Inst BCOIX

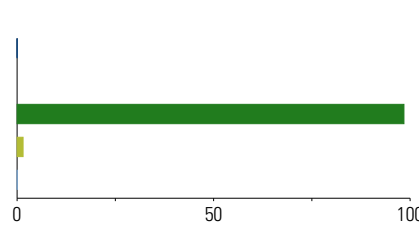
Morningstar Category Intermediate Core-Plus Bond
Morningstar Index Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023

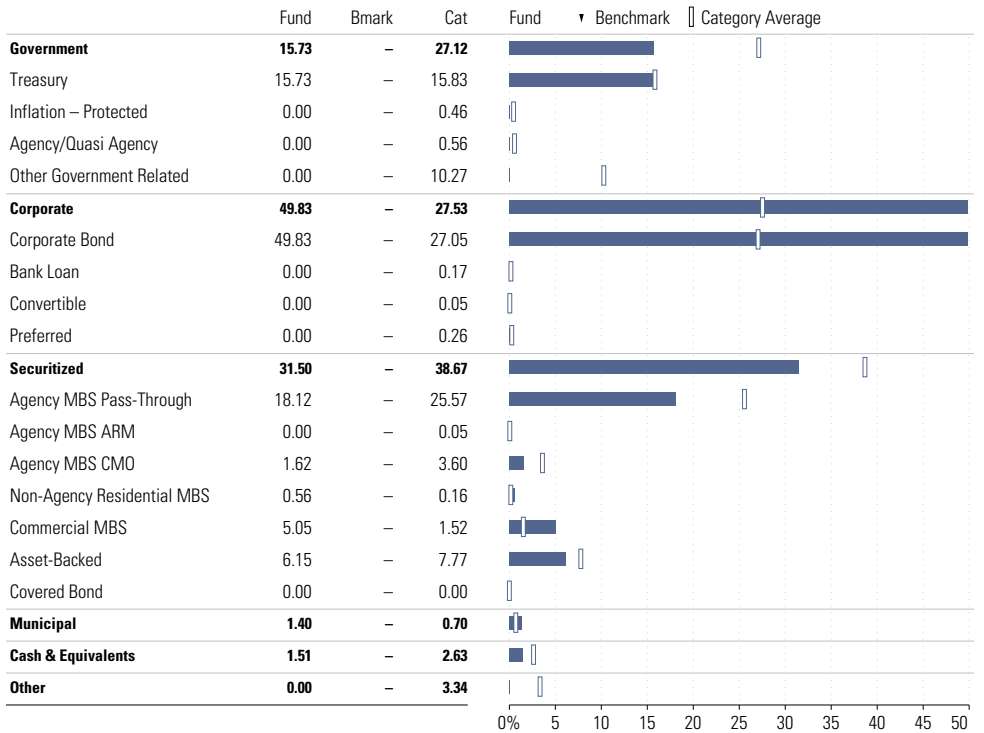


Asset Class	Net %	Cat%
US Stocks	0.01	0.19
Non-US Stocks	0.00	0.00
Bonds	98.43	100.91
Cash	1.52	-2.57
Other	0.04	1.48
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	48.10	3.53	52.06
AA	3.80	74.59	5.00
A	13.40	10.82	11.81
BBB	31.40	8.32	18.82
BB	2.70	0.28	5.05
B	0.10	0.00	2.40
Below B	0.10	0.00	1.01
Not Rated	0.40	2.46	3.85

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ United States Treasury Bonds 2.5%	02-2045	3.09	3.09	-
⊕ United States Treasury Notes 1.13%	08-2028	2.63	5.72	-
United States Treasury Bonds 2.88%	05-2043	2.40	8.12	-
⊕ United States Treasury Notes 1.13%	10-2026	1.67	9.79	-
⊖ First American Government Obligs U	02-2030	1.51	11.31	-
United States Treasury Bonds 1.38%	11-2040	1.26	12.56	-
⊕ United States Treasury Bonds 2.38%	02-2042	0.93	13.50	-
⊕ United States Treasury Notes 2.38%	03-2029	0.86	14.36	-
⊕ United States Treasury Bonds 2.88%	05-2052	0.73	15.10	-
⊖ United States Treasury Notes 2.88%	05-2032	0.62	15.72	-

Total Holdings 1502

⊕ 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)

Mitchell Garfin since 12-2009
Derek Schoenhofen since 12-2009
David Delbos since 12-2014

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 13.76 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.51 is 42.7% lower than the High Yield Bond category average.

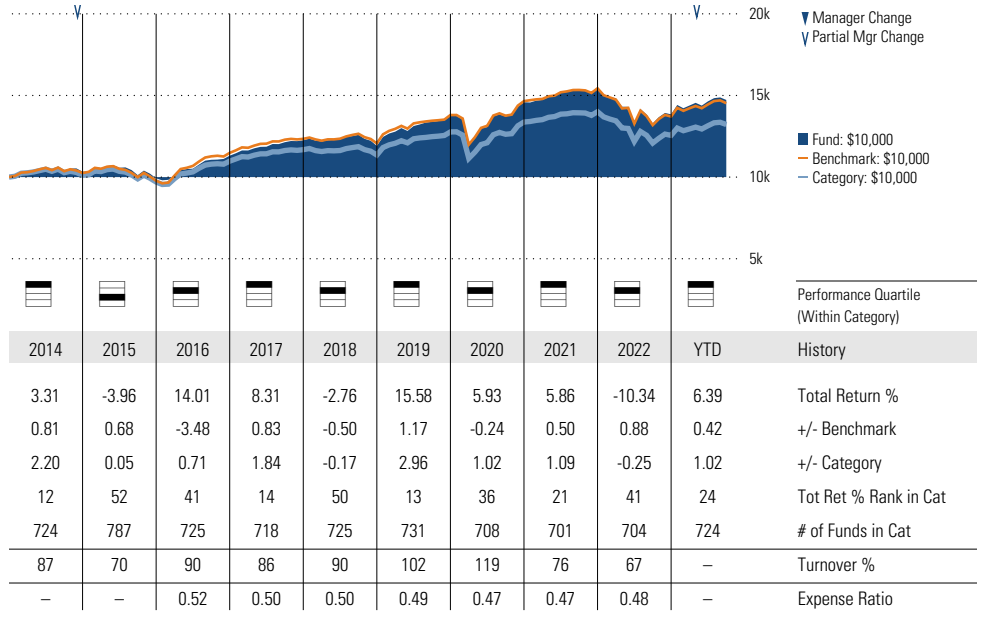
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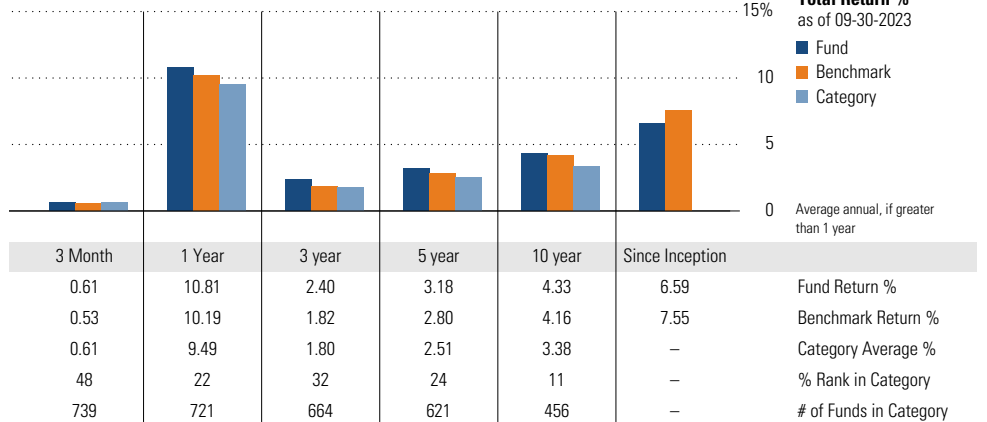
ESG Metrics

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

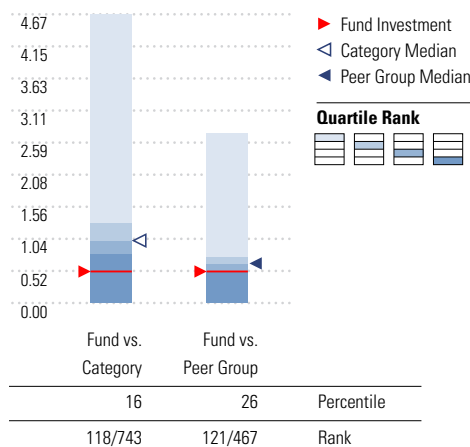
Growth of \$10,000



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

Metric	Fund	Bmark	Cat
Alpha	0.57	-	0.09
Beta	1.00	-	0.90
R-Squared	99.37	-	93.92
Standard Deviation	8.15	8.13	7.53
Sharpe Ratio	0.08	0.01	0.01
Tracking Error	0.64	-	1.89
Information Ratio	0.90	-	-0.23
Up Capture Ratio	102.29	-	90.23
Down Capture Ratio	96.51	-	89.28

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	3.39	-	3.29
Avg Eff Maturity	5.43	-	4.97

BlackRock High Yield Bond K BRHYX

Morningstar Category
High Yield Bond

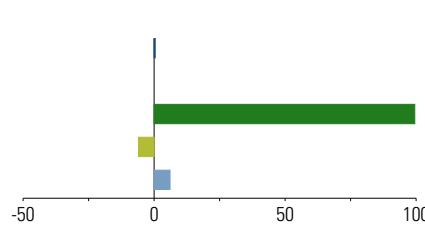
Morningstar Index
ICE BofA US High Yield TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023

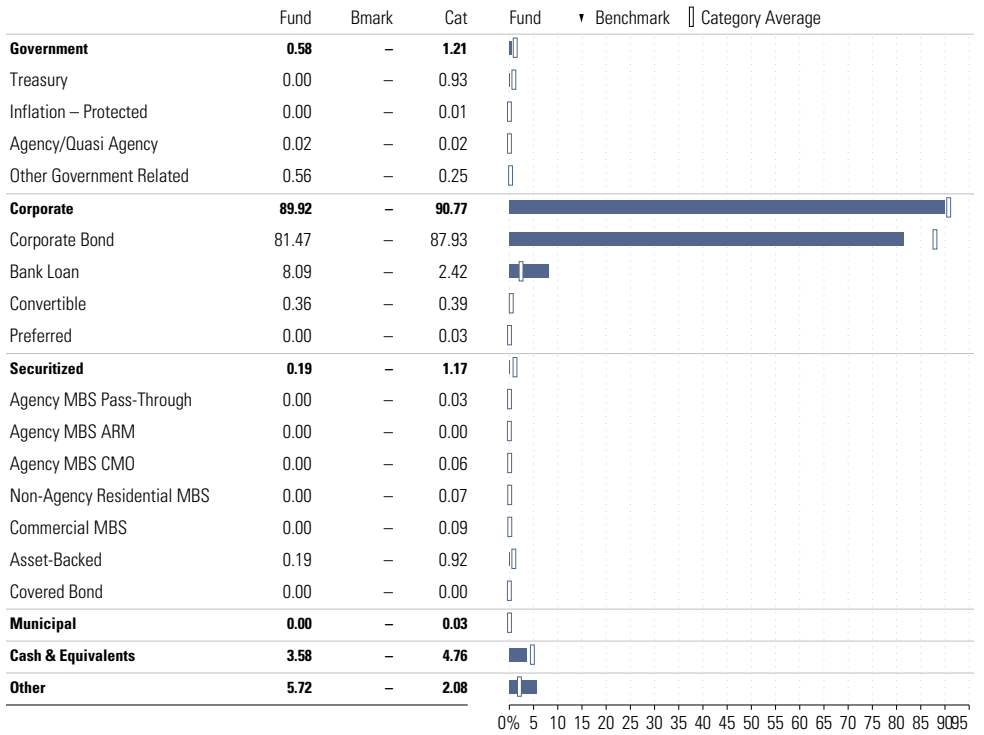


Asset Class	Net %	Cat%
US Stocks	0.41	0.60
Non-US Stocks	0.00	0.13
Bonds	99.49	94.59
Cash	-5.97	3.17
Other	6.08	1.50
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	0.00	-	2.28
AA	0.00	-	0.12
A	0.52	-	0.35
BBB	7.13	-	6.05
BB	29.51	-	40.00
B	47.50	-	37.20
Below B	13.76	-	11.37
Not Rated	1.57	-	2.63

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Cash Offset	-	7.50	7.50	-
⊕ BlackRock Liquidity T-Fund Instl	-	3.51	11.00	-
⊕ ICE: (CDX.NA.HY.40.V1)	06-2028	3.01	14.01	-
⊖ USD CASH(Committed)	09-2023	1.56	15.57	-
TransDigm, Inc.	03-2026	1.52	17.10	-
⊕ EUR/USD Purchased	09-2023	1.40	18.49	-
⊖ EUR/USD Purchased	09-2023	1.38	19.87	-
⊕ iShares iBoxx \$ High Yield Corp Bd ETF	-	1.14	21.01	-
⊕ Tibco Software Inc	03-2029	0.87	21.88	-
Mauser Packaging Solutions Holding Company	08-2026	0.85	22.73	-

Total Holdings 1671

⊕ 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 18.51 years.

✘ **Style:** The fund has landed in its primary style box — Large Blend — 64.52 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.6 is 20% lower than the Large Blend category average.

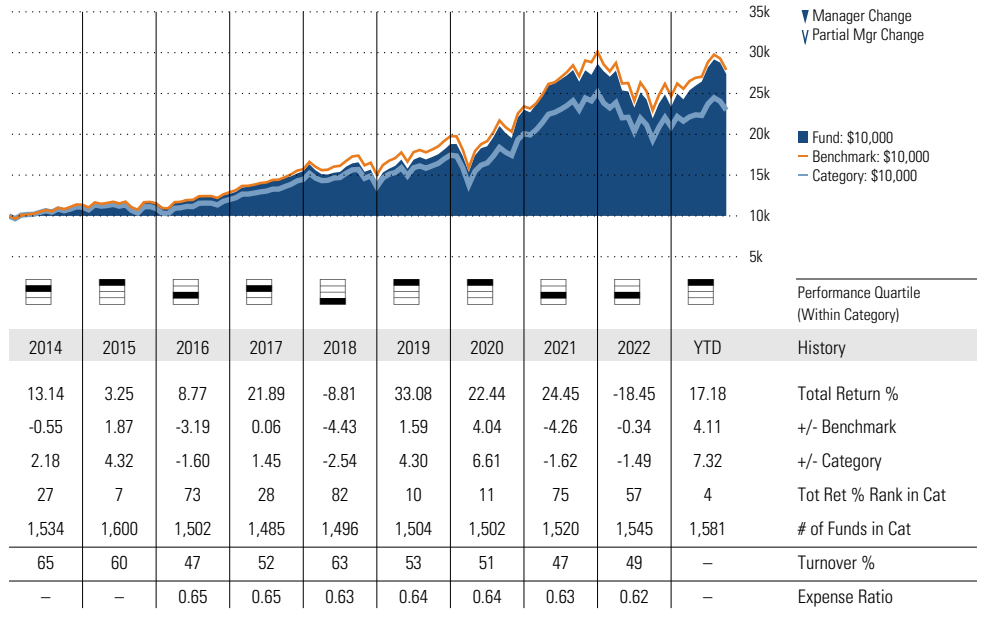
Morningstar Investment Management LLC Analysis

The fund fails our style consistency screen as the portfolio manager's process avoids troubled companies leading to its growth tilt.

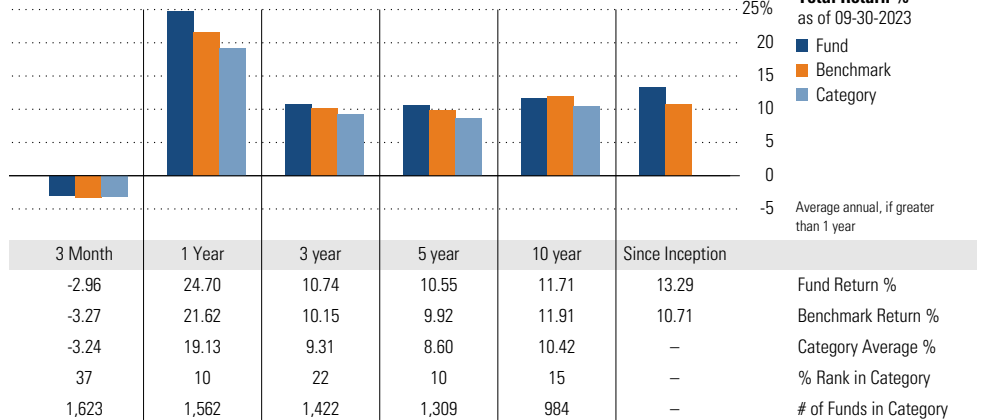
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	03-11-2022

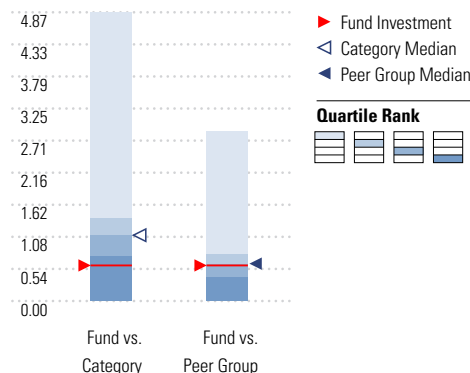
Growth of \$10,000



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	0.61	-	-0.66
Beta	1.00	-	0.95
R-Squared	97.29	-	94.61
Standard Deviation	18.03	17.85	17.40
Sharpe Ratio	0.54	0.52	0.45
Tracking Error	2.97	-	3.74
Information Ratio	0.20	-	-1.15
Up Capture Ratio	101.77	-	93.16
Down Capture Ratio	100.01	-	95.77

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	24.83	22.40	22.25
Price/Book Ratio	4.64	3.98	4.46
Geom Avg Mkt Cap \$B	266.73	228.69	275.77
ROE	29.32	30.76	29.52

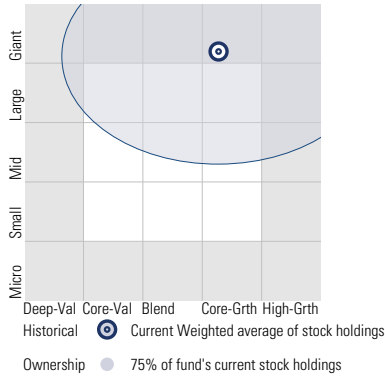
Columbia Contrarian Core Inst3 COFYX

Morningstar Category
Large Blend

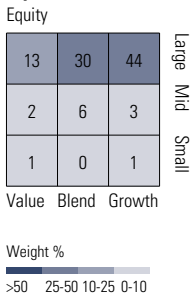
Morningstar Index
S&P 500 TR USD

Style Analysis as of 09-30-2023

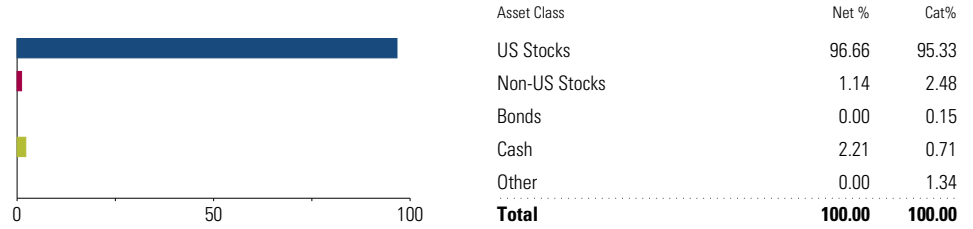
Morningstar Style Box™



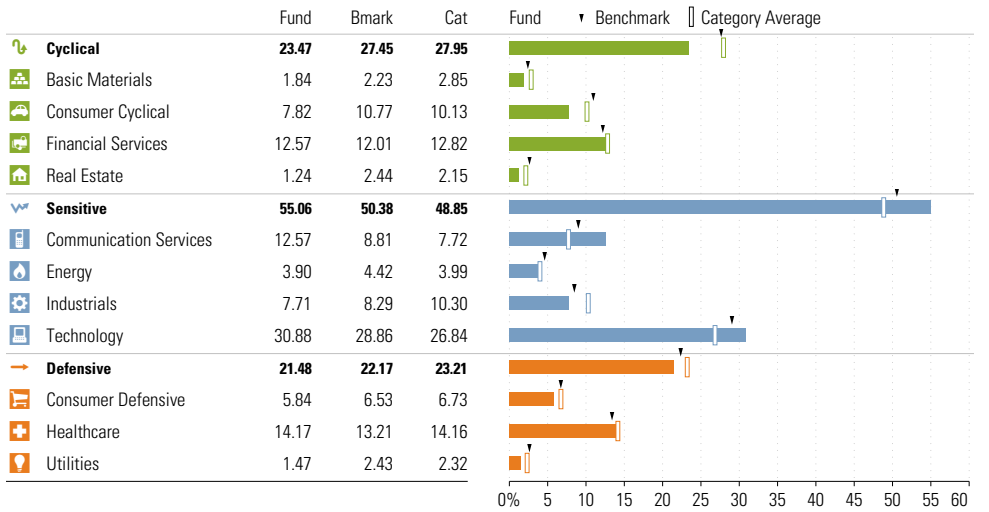
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	6.83	6.83	32.51	Technology
Apple Inc	6.21	13.04	32.32	Technology
Amazon.com Inc	4.10	17.14	51.33	Consumer Cyclical
NVIDIA Corp	3.83	20.98	197.74	Technology
Berkshire Hathaway Inc Class B	2.73	23.71	13.40	Financial Services
Alphabet Inc Class A	2.50	26.21	48.32	Communication Svc
Eli Lilly and Co	2.50	28.70	47.75	Healthcare
Alphabet Inc Class C	2.40	31.10	48.60	Communication Svc
Meta Platforms Inc Class A	2.40	33.50	149.47	Communication Svc
Columbia Short-Term Cash	2.21	35.71	-	-
Intuit Inc	1.93	37.64	31.87	Technology
Chevron Corp	1.78	39.42	-3.53	Energy
Walmart Inc	1.69	41.11	14.00	Consumer Defensive
Visa Inc Class A	1.68	42.79	11.36	Financial Services
Mastercard Inc Class A	1.65	44.44	14.35	Financial Services

Total Holdings 80

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

Quantitative Screens

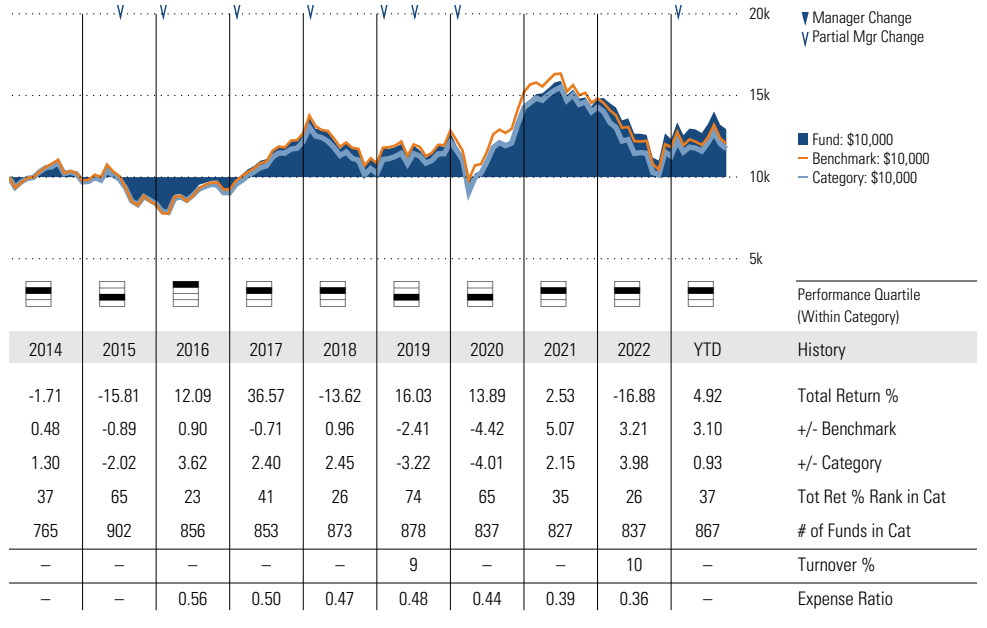
✔ **Performance:** The fund has finished in the Diversified Emerging Mkts category's top three quartiles in 10 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.59 years.

✔ **Style:** The fund has landed in its primary style box — Large Blend — 83.33 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.36 is 68.42% lower than the Diversified Emerging Mkts category average.

Growth of \$10,000



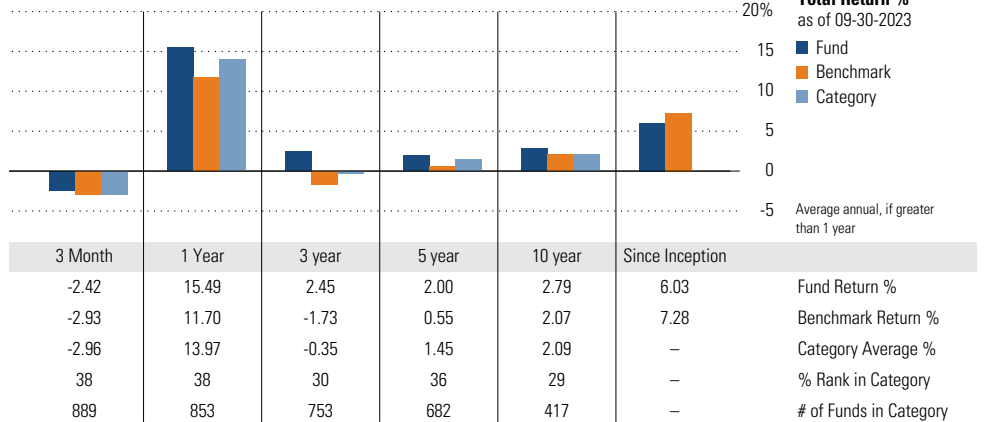
Morningstar Investment Management LLC Analysis

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.

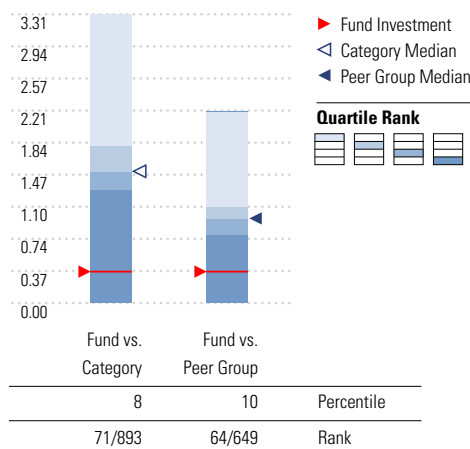
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	4.11	-	0.13
Beta	0.98	-	0.96
R-Squared	97.66	-	87.58
Standard Deviation	17.66	17.90	18.47
Sharpe Ratio	0.11	-0.12	-0.10
Tracking Error	2.74	-	6.34
Information Ratio	1.52	-	-0.02
Up Capture Ratio	103.21	-	98.68
Down Capture Ratio	85.92	-	98.67

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	11.27	12.44	13.62
Price/Book Ratio	1.52	1.57	1.94
Geom Avg Mkt Cap \$B	24.86	34.93	45.85
ROE	16.93	16.48	18.37

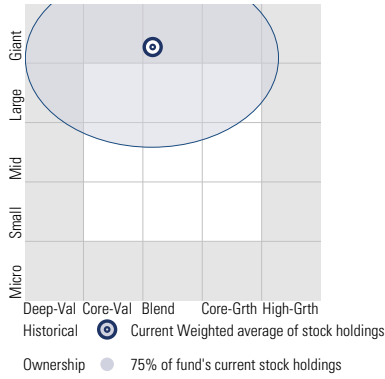
DFA Emerging Markets I DFEMX

Morningstar Category
Diversified Emerging Mkts

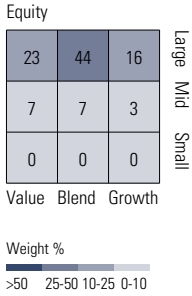
Morningstar Index
MSCI EM NR USD

Style Analysis as of 09-30-2023

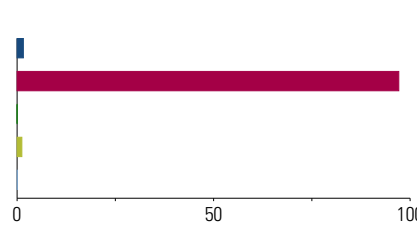
Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2023

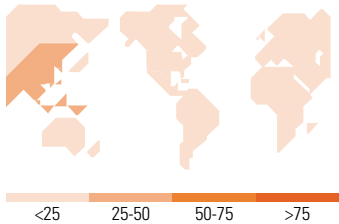


Asset Class	Net %	Cat%
US Stocks	1.59	3.39
Non-US Stocks	97.12	94.61
Bonds	0.01	0.00
Cash	1.21	1.75
Other	0.08	0.24
Total	100.00	100.00

Sector Weighting as of 09-30-2023

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	45.54	44.93	43.44			
Basic Materials	10.28	8.10	6.28			
Consumer Cyclical	12.40	13.38	13.74			
Financial Services	20.95	21.69	21.73			
Real Estate	1.91	1.76	1.69			
Sensitive	42.72	42.53	42.93			
Communication Services	8.93	10.16	8.72			
Energy	5.52	5.13	4.44			
Industrials	7.62	6.60	6.74			
Technology	20.65	20.64	23.03			
Defensive	11.72	12.54	13.61			
Consumer Defensive	5.65	6.01	7.42			
Healthcare	3.75	4.06	4.58			
Utilities	2.32	2.47	1.61			

World Regions % Equity 09-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	78.40	74.43	Americas	8.75	15.31	Greater Europe	12.84	10.24	Developed Markets	33.45
Japan	0.00	0.08	North America	0.11	2.89	United Kingdom	0.02	0.58	Emerging Markets	66.55
Australasia	0.00	0.00	Central/Latin	8.64	12.42	W euro-ex UK	0.47	1.92	Not Available	0.00
Asia-4 Tigers	30.05	27.40				Emrgng Europe	2.21	1.50		
Asia-ex 4 Tigers	48.35	46.95				Africa	10.14	6.24		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Taiwan Semiconductor Manufacturing Co Ltd	4.81	4.81	-	Technology
⊕ Samsung Electronics Co Ltd	3.41	8.22	-	Technology
⊕ Tencent Holdings Ltd	3.24	11.46	-	Communication Svc
⊕ Alibaba Group Holding Ltd ADR	1.69	13.15	-1.53	Consumer Cyclical
⊕ HDFC Bank Ltd	1.04	14.19	-	Financial Services
⊕ Alibaba Group Holding Ltd Ordinary Shares	1.01	15.20	-	Consumer Cyclical
⊕ Reliance Industries Ltd	0.85	16.05	-	Energy
⊕ SK Hynix Inc	0.75	16.80	-	Technology
⊕ China Construction Bank Corp Class H	0.69	17.49	-	Financial Services
⊕ Msci Emgmt Sep23 Ifus 20230915	0.66	18.15	-	-

Total Holdings 1899

⊕ 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 7 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 12.84 years.

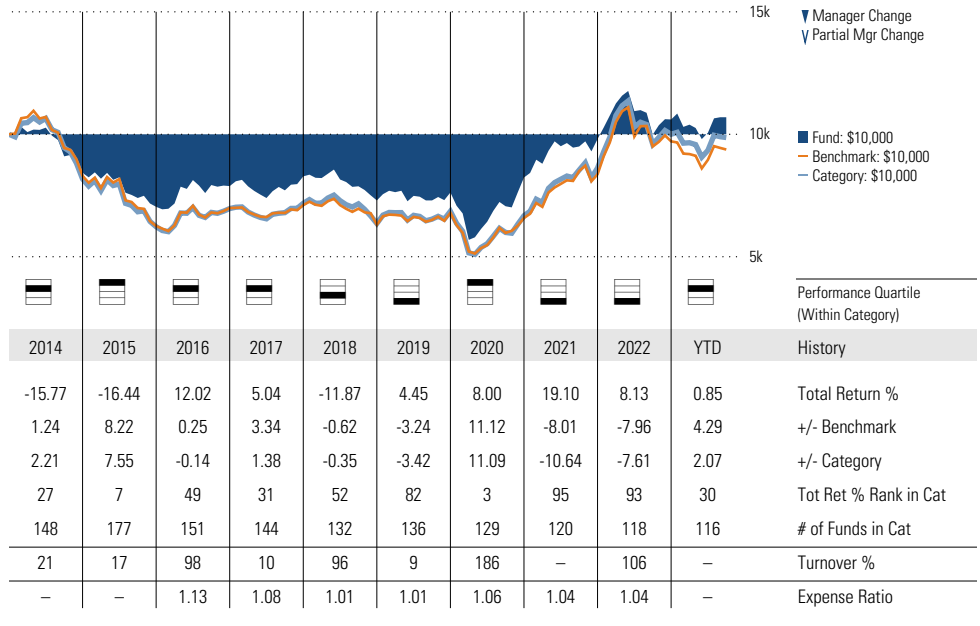
Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 1.12 is 6.67% higher than the Commodities Broad Basket category average.

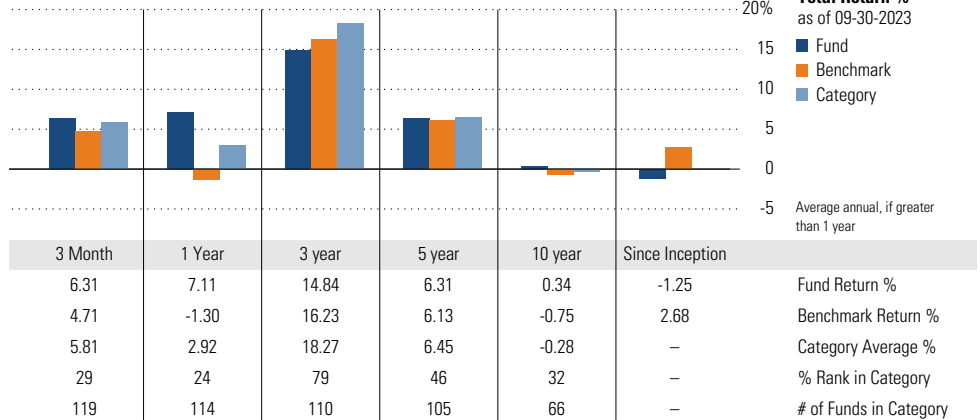
Morningstar Investment Management LLC Analysis

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.

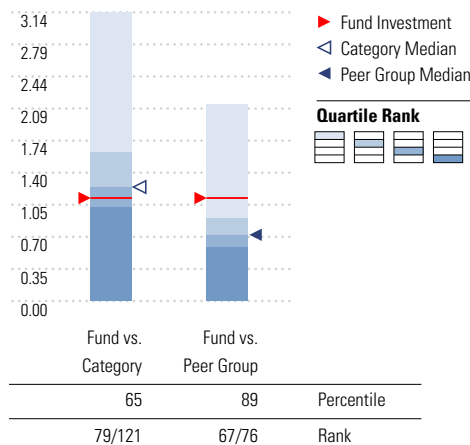
Growth of \$10,000



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	2.60	-	1.67
Beta	0.75	-	0.99
R-Squared	74.41	-	87.55
Standard Deviation	13.85	15.98	16.87
Sharpe Ratio	0.91	0.89	0.92
Tracking Error	8.08	-	5.47
Information Ratio	-0.17	-	0.11
Up Capture Ratio	79.86	-	101.07
Down Capture Ratio	68.91	-	93.74

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	-	-	7.93
Price/Book Ratio	-	-	1.87
Geom Avg Mkt Cap \$B	-	-	44.07
ROE	-	-	27.17

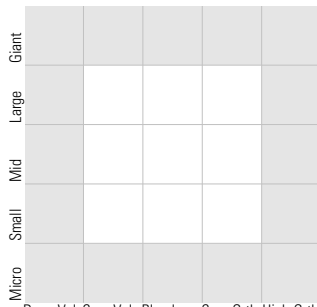
Invesco Balanced-Risk Commodity Strat R6 IBRFX

Morningstar Category
Commodities Broad Basket

Morningstar Index
Bloomberg Commodity TR USD

Style Analysis as of 09-30-2023

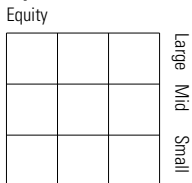
Morningstar Style Box™



Deep-Val Core-Val Blend Core-Grth High-Grth
Historical Current Weighted average of stock holdings

Ownership 75% of fund's current stock holdings

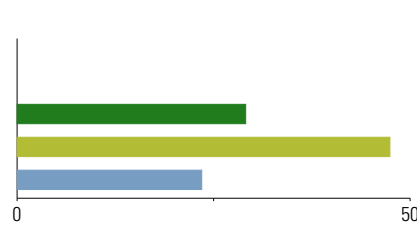
Style Breakdown



Value Blend Growth

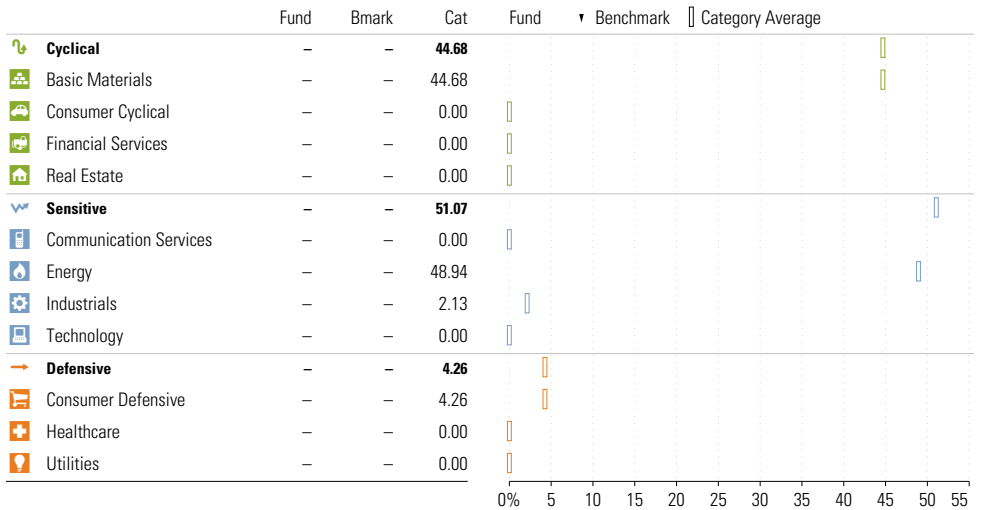
Weight %
>50 25-50 10-25 0-10

Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	0.00	0.71
Non-US Stocks	0.00	0.76
Bonds	29.08	37.34
Cash	47.43	45.59
Other	23.49	15.59
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 12 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Invesco Cayman Commodity Fund Iii Hf	23.49	23.49	-	-
⊕ Invesco Shrt-Trm Inv Treasury Instl	17.01	40.51	-	-
⊕ Invesco Shrt-Trm Inv Gov&Agcy Instl	14.89	55.39	-	-
⊕ Invesco Shrt-Trm Inv Liq Assets Instl	10.52	65.91	-	-
United States Treasury Notes 5.31238%	8.80	74.71	-	-
United States Treasury Notes 5.42438%	6.99	81.70	-	-
United States Treasury Notes 5.37238%	6.93	88.64	-	-
Citigroup Global Markets Holdings Inc. 0.1%	5.19	93.82	-	-
Societe Generale S.A. 0.1%	2.66	96.49	-	-
Barclays Bank plc 0.01%	1.95	98.44	-	-
Royal Bank of Canada 0.1%	1.73	100.17	-	-
⊕ Usd Currency Cash	0.17	100.34	-	-

Total Holdings 12

⊕ Increase ⊖ Decrease ✨ New to Portfolio

Invesco Equity and Income R6 IEIFX

Morningstar Category
Moderately Aggressive

Morningstar Index

Morningstar US Mod Agg Tgt Alloc NR
USD

Allocation

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 Moderately Aggressive Allocation category's top three quartiles in 7 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 20.43 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 0.42 is 57.14% lower than the Moderately Aggressive Allocation category average.

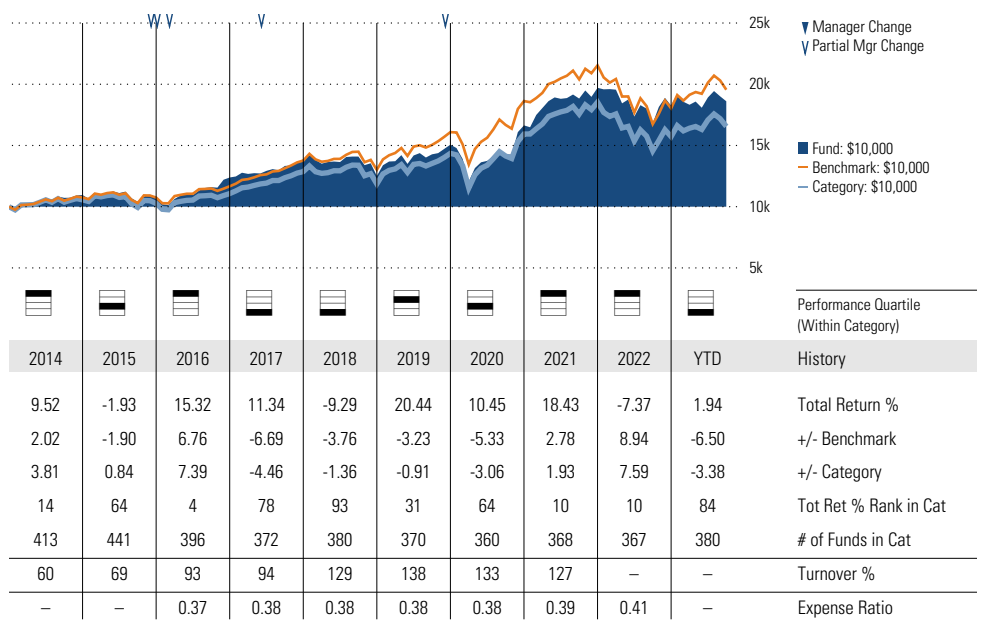
Morningstar Investment Management LLC Analysis

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

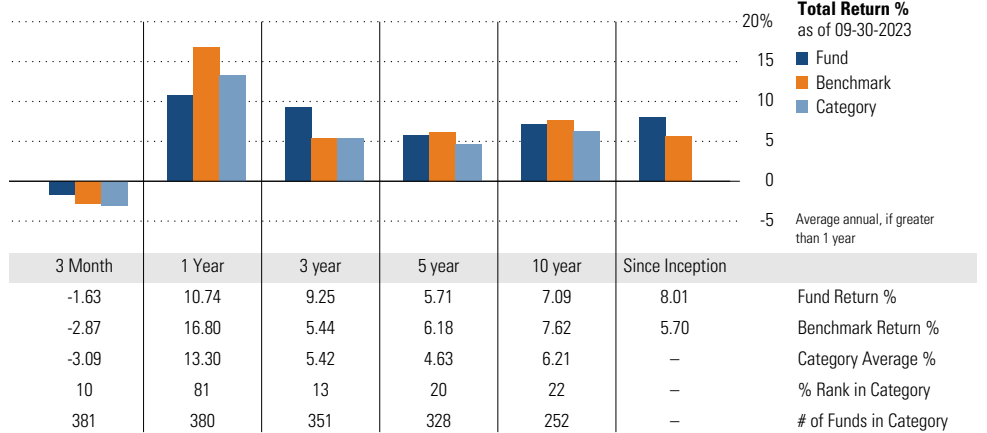
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

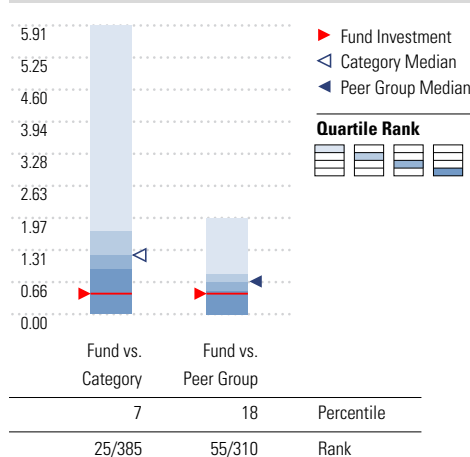
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	4.11	-	-0.16
Beta	0.91	-	0.98
R-Squared	82.56	-	93.44
Standard Deviation	14.32	14.26	14.65
Sharpe Ratio	0.54	0.30	0.27
Tracking Error	6.11	-	3.38
Information Ratio	0.62	-	-0.24
Up Capture Ratio	99.39	-	98.61
Down Capture Ratio	79.40	-	100.10

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.92	18.62	18.69
Price/Book Ratio	2.11	2.77	2.79
Avg Eff Duration	5.42	6.12	5.34

Invesco Equity and Income R6 IEIFX

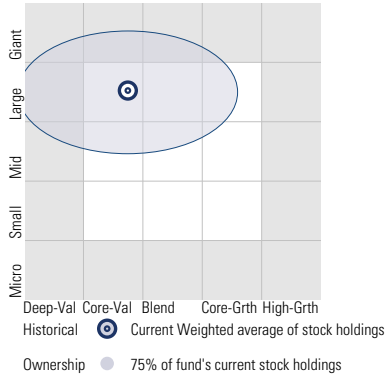
Morningstar Category
Moderately Aggressive

Morningstar Index
Morningstar US Mod Agg Tgt Alloc NR USD

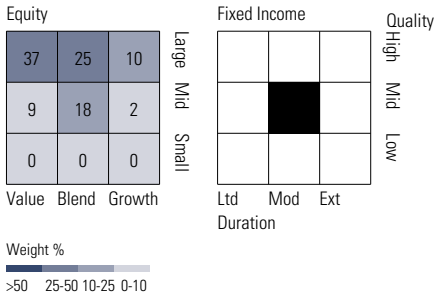
Allocation

Style Analysis as of 09-30-2023

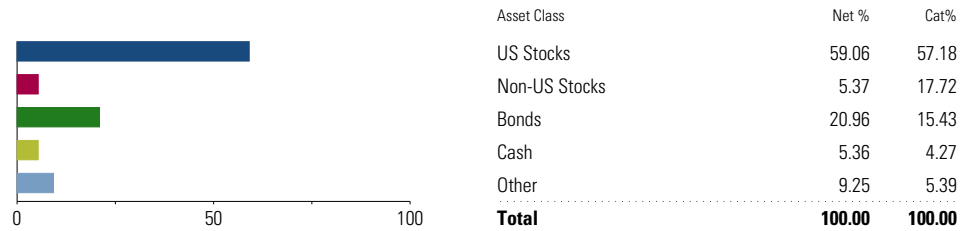
Morningstar Style Box™



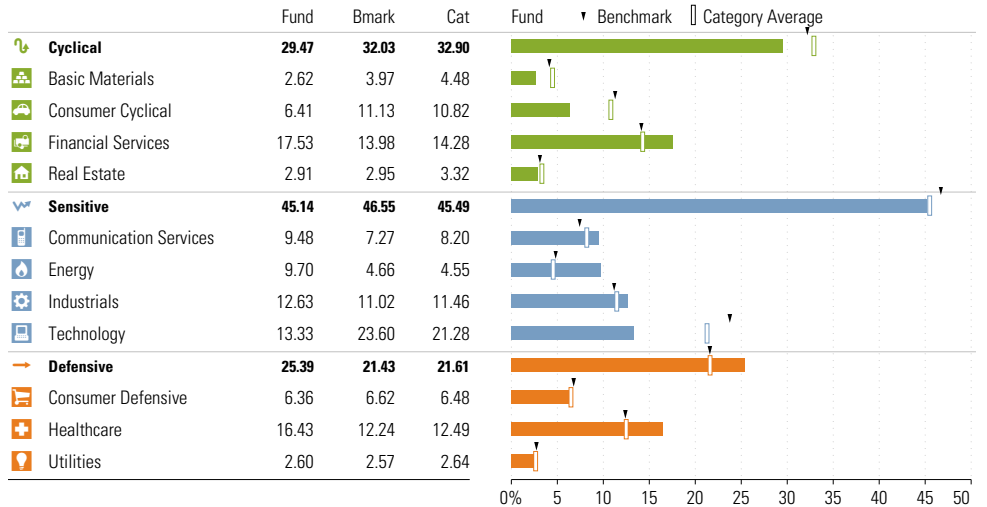
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
United States Treasury Notes 4.75%	07-2025	2.67	2.67	-	-
United States Treasury Notes 4.125%	07-2028	2.62	5.30	-	-
Wells Fargo & Co	-	2.38	7.68	1.26	Financial Services
⊕ MeIn_GI_Fxgl	09-2023	2.38	10.06	-	-
⊕ MeIn_GI_Fxgl	09-2023	2.37	12.43	-	-
⊕ United States Treasury Notes 4.375%	08-2026	1.94	14.37	-	-
CBRE Group Inc Class A	-	1.86	16.23	-4.03	Real Estate
⊖ ConocoPhillips	-	1.85	18.09	4.35	Energy
⊖ Invesco Shrt-Trm Inv Treasury Instl	-	1.81	19.89	-	-
United States Treasury Notes 4%	07-2030	1.80	21.69	-	-

Total Holdings 347

⊕ 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)

Ping-Ying Wang since 11-2006
James Cowen since 05-2008
Darin Turner since 04-2010
Grant Jackson since 06-2018

Quantitative Screens

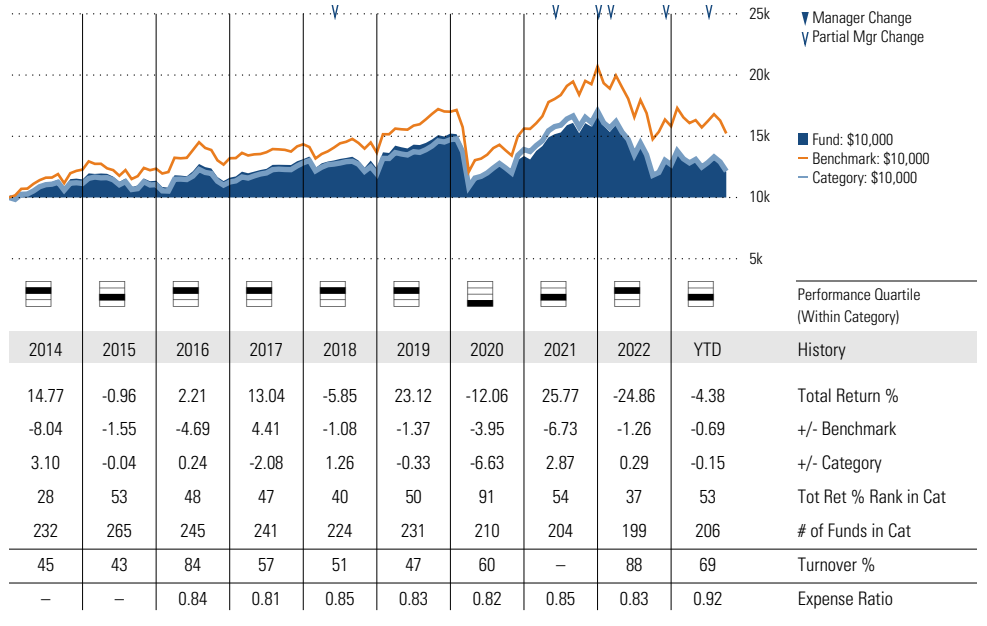
✔ **Performance:** The fund has finished in the Global Real Estate category's top three quartiles in 9 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 16.88 years.

✔ **Style:** The fund has landed in its primary style box — Mid-Cap Blend — 96.3 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.92 is 18.58% lower than the Global Real Estate category average.

Growth of \$10,000



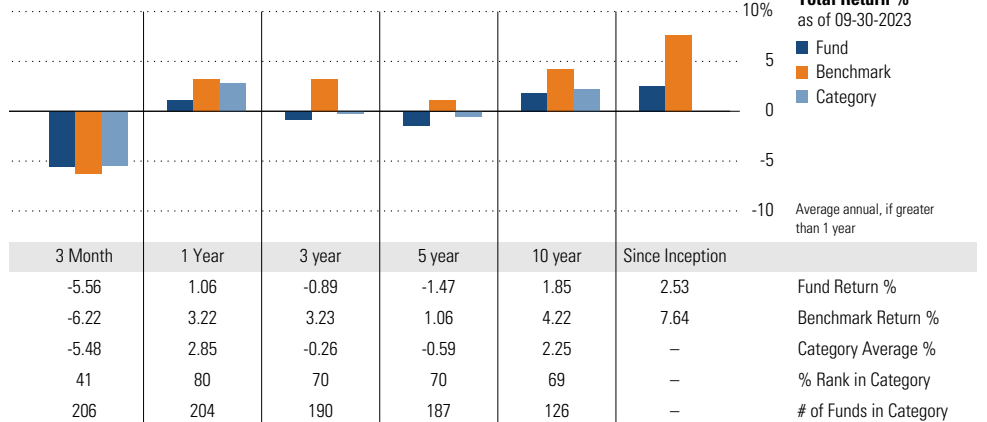
Morningstar Investment Management LLC Analysis

We placed Invesco Global Real Estate on watch due to the departure of a longtime comanager at the end of 2022. While the fund is on watch, we will be monitoring the fund's portfolio and performance to confirm that they remain consistent with the profile that led us to select the fund.

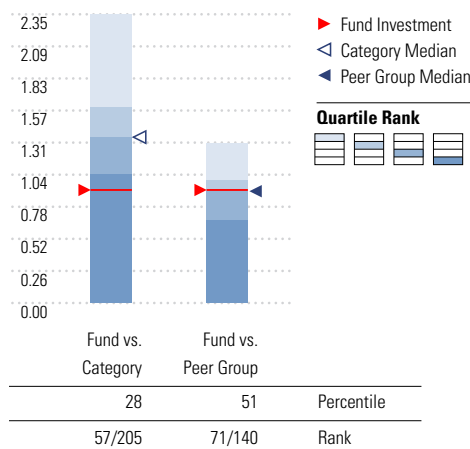
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-3.88	-	-3.20
Beta	0.91	-	0.95
R-Squared	96.22	-	94.73
Standard Deviation	18.23	19.57	19.08
Sharpe Ratio	-0.07	0.15	-0.03
Tracking Error	3.93	-	4.15
Information Ratio	-1.05	-	-0.88
Up Capture Ratio	87.37	-	90.35
Down Capture Ratio	101.07	-	101.72

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	24.43	20.81	19.54
Price/Book Ratio	1.30	1.35	1.31
Geom Avg Mkt Cap \$B	13.00	10.71	14.31
ROE	5.74	11.03	11.42

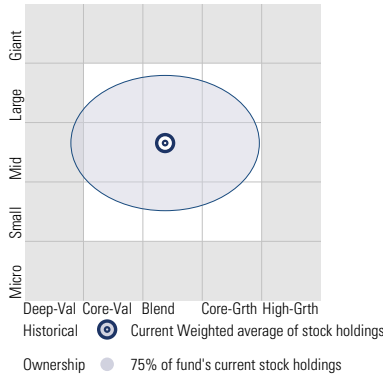
Invesco Global Real Estate R6 FGREX

Morningstar Category
Global Real Estate

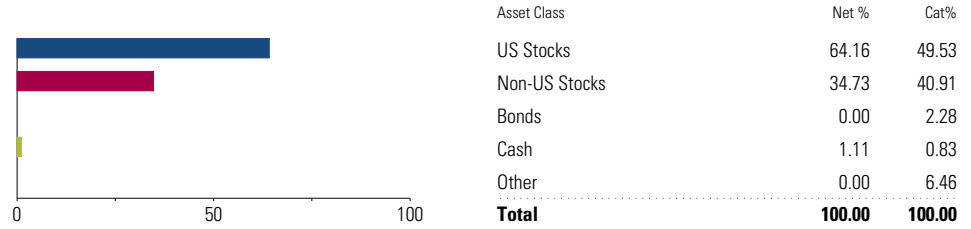
Morningstar Index
S&P Global REIT TR USD

Style Analysis as of 09-30-2023

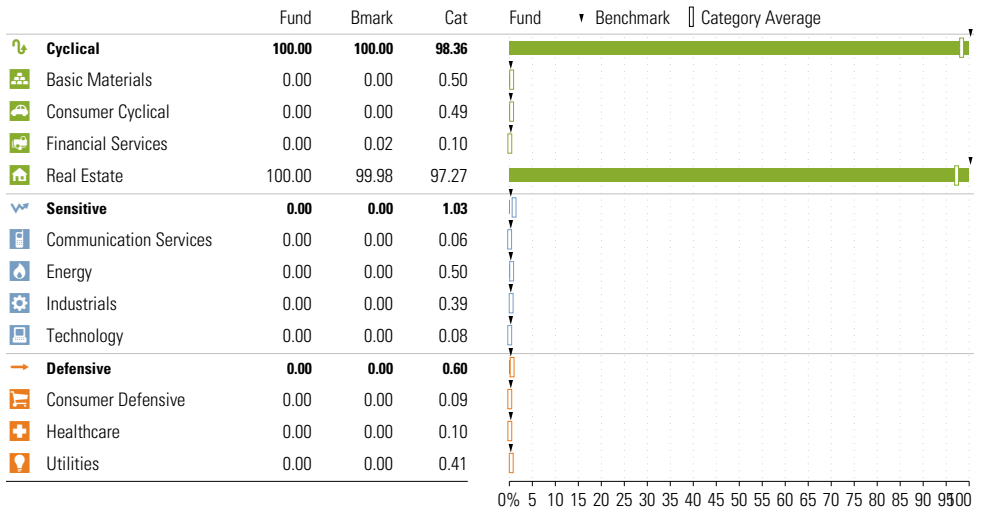
Morningstar Style Box™



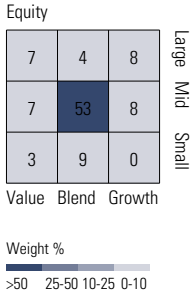
Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Style Breakdown



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Welltower Inc	4.67	4.67	27.77	Real Estate
Prologis Inc	4.32	8.99	1.85	Real Estate
Digital Realty Trust Inc	4.02	13.01	24.34	Real Estate
VICI Properties Inc Ordinary Shares	3.98	16.99	-6.50	Real Estate
Rexford Industrial Realty Inc	3.80	20.79	-7.60	Real Estate
Healthpeak Properties Inc	3.16	23.95	-23.18	Real Estate
Sun Communities Inc	3.03	26.98	-15.29	Real Estate
Realty Income Corp	2.85	29.82	-17.66	Real Estate
UDR Inc	2.72	32.55	-4.75	Real Estate
Americold Realty Trust Inc	2.49	35.04	9.75	Real Estate
Terreno Realty Corp	2.29	37.34	2.07	Real Estate
Equinix Inc	2.21	39.55	12.44	Real Estate
AvalonBay Communities Inc	2.10	41.65	9.39	Real Estate
Healthcare Realty Trust Inc	1.98	43.62	-15.93	Real Estate
Regency Centers Corp	1.91	45.53	-1.78	Real Estate

Total Holdings 92

⊕ 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 20.6 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 0.41 is 53.93% lower than the Large Value category average.

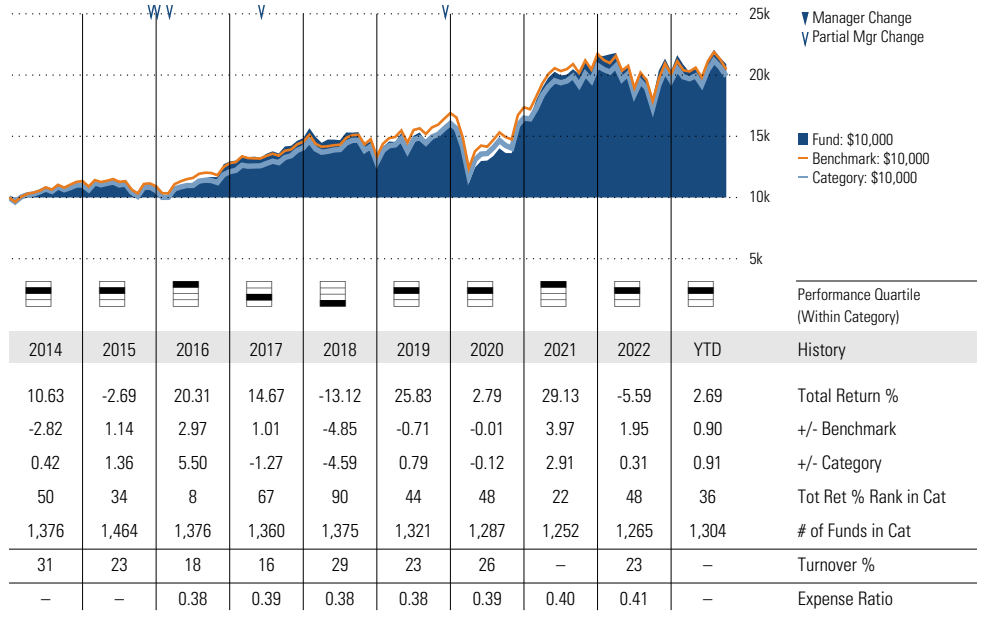
Morningstar Investment Management LLC Analysis

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.

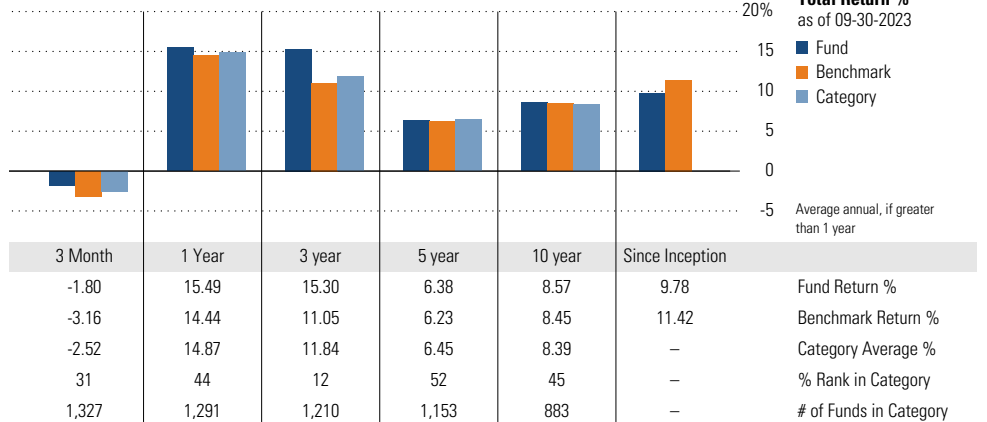
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

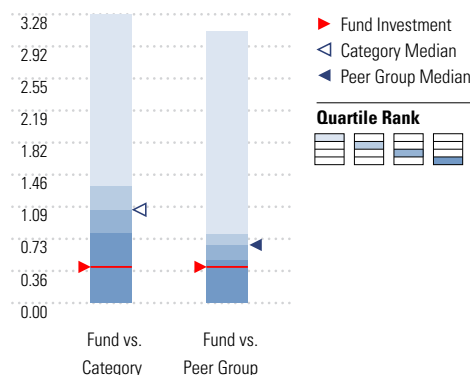
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.09	-	1.00
Beta	1.09	-	0.98
R-Squared	95.08	-	94.36
Standard Deviation	19.61	17.59	17.70
Sharpe Ratio	0.72	0.56	0.60
Tracking Error	4.61	-	4.28
Information Ratio	0.92	-	0.18
Up Capture Ratio	108.70	-	98.68
Down Capture Ratio	94.24	-	94.68

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	15.98	15.79	15.58
Price/Book Ratio	2.11	2.23	2.46
Geom Avg Mkt Cap \$B	88.65	68.01	118.17
ROE	19.08	16.88	22.58

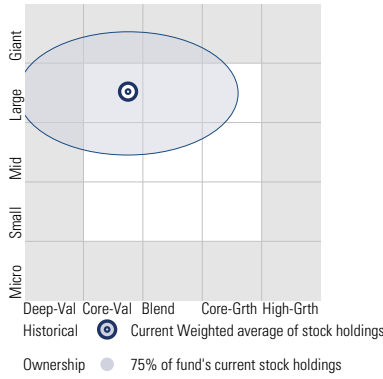
Invesco Growth and Income R6 GIFFX

Morningstar Category
Large Value

Morningstar Index
Russell 1000 Value TR USD

Style Analysis as of 09-30-2023

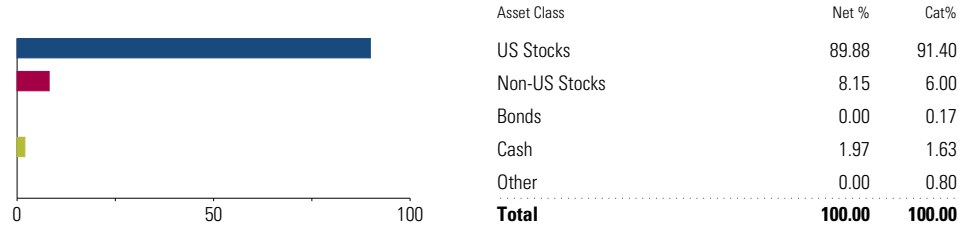
Morningstar Style Box™



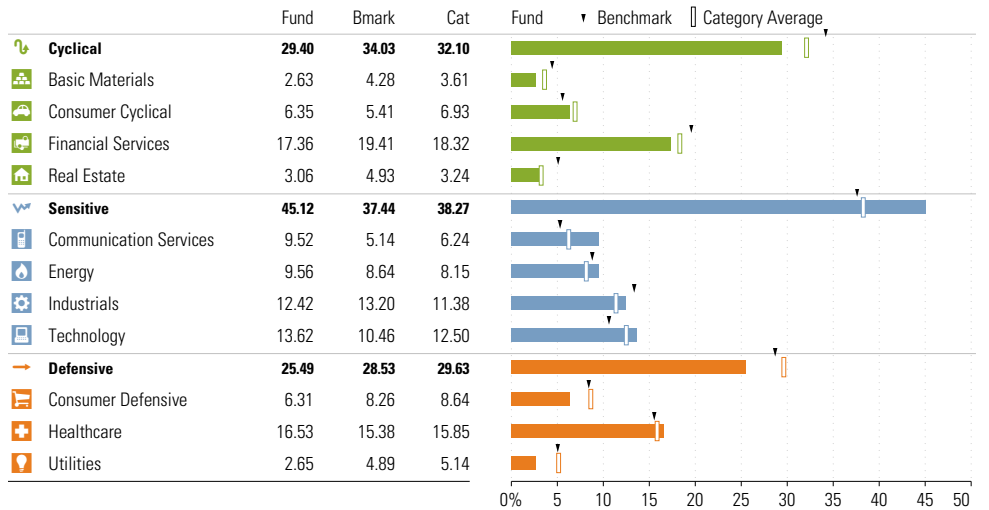
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Meln_GI_Fxgl	3.61	3.61	-	-
⊕ Meln_GI_Fxgl	3.60	7.22	-	-
⊖ Wells Fargo & Co	3.55	10.76	1.26	Financial Services
⊖ CBRE Group Inc Class A	2.97	13.74	-4.03	Real Estate
⊖ ConocoPhillips	2.81	16.55	4.35	Energy
⊖ Bank of America Corp	2.51	19.06	-15.28	Financial Services
⊖ Exxon Mobil Corp	2.47	21.52	9.08	Energy
⊕ Alphabet Inc Class A	2.36	23.88	48.32	Communication Svc
⊖ American International Group Inc	2.08	25.96	-2.53	Financial Services
⊖ Johnson & Johnson	2.05	28.01	-9.84	Healthcare
⊖ Cisco Systems Inc	1.99	30.01	15.28	Technology
⊖ Sanofi SA	1.98	31.98	-	Healthcare
⊖ Ferguson PLC	1.90	33.88	-	Industrials
⊖ Parker Hannifin Corp	1.89	35.77	35.33	Industrials
⊖ Philip Morris International Inc	1.88	37.65	-4.73	Consumer Defensive

Total Holdings 87

⊕ 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
Akash Gupta since 11-2019
Wonseok Choi since 11-2019
Robert Ippolito since 11-2022

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 12.92 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 0.74 is 33.93% lower than the Small Value category average.

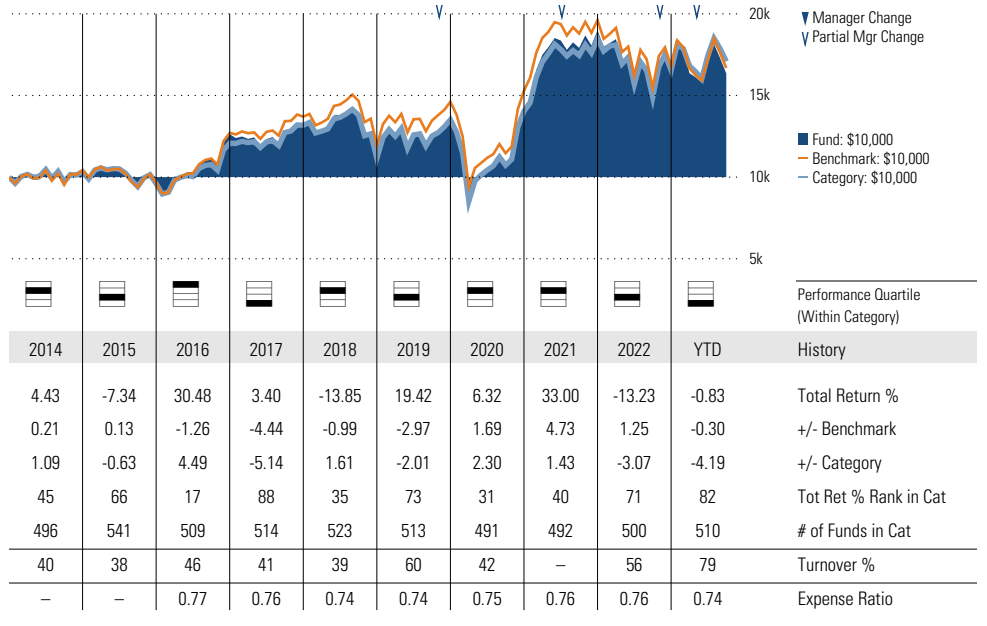
Morningstar Investment Management LLC Analysis

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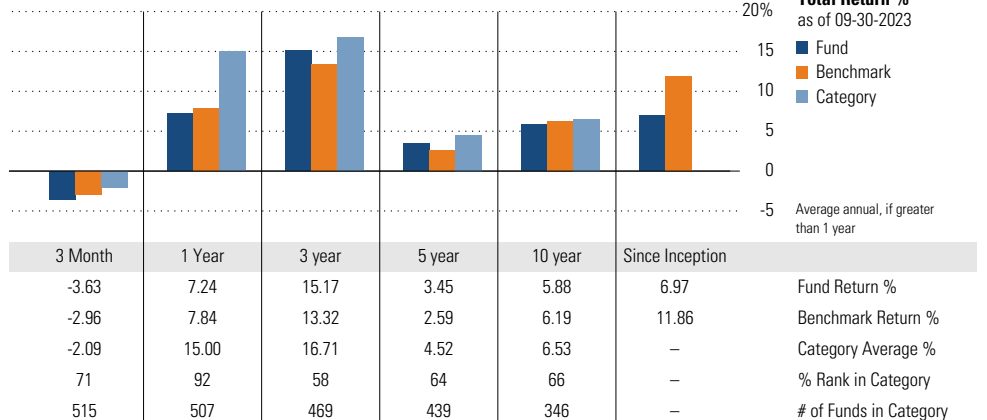
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

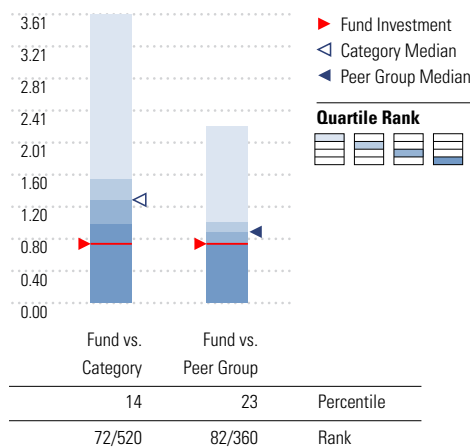
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.84	-	3.37
Beta	0.98	-	0.94
R-Squared	99.02	-	93.31
Standard Deviation	22.86	23.16	22.57
Sharpe Ratio	0.64	0.56	0.69
Tracking Error	2.30	-	5.97
Information Ratio	0.80	-	0.51
Up Capture Ratio	101.09	-	98.85
Down Capture Ratio	95.55	-	88.84

Portfolio Metrics

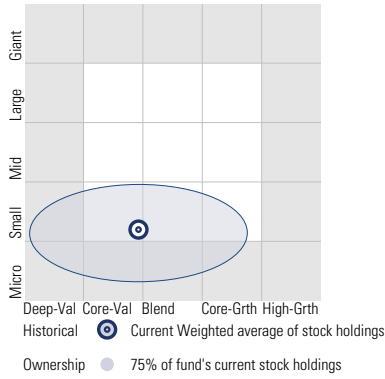
Metric	Fund	Bmark	Cat
Price/Earnings Ratio	8.91	9.46	11.18
Price/Book Ratio	1.42	1.23	1.61
Geom Avg Mkt Cap \$B	2.33	1.89	4.32
ROE	10.98	7.74	15.96

JPMorgan Small Cap Value R6 JSVUX

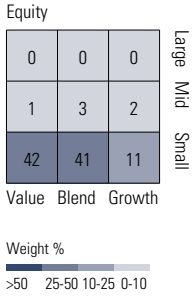
Morningstar Category
Small Value

Morningstar Index
Russell 2000 Value TR USD

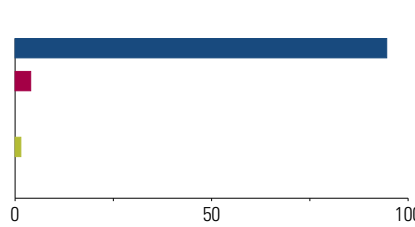
Style Analysis as of 09-30-2023
Morningstar Style Box™



Style Breakdown

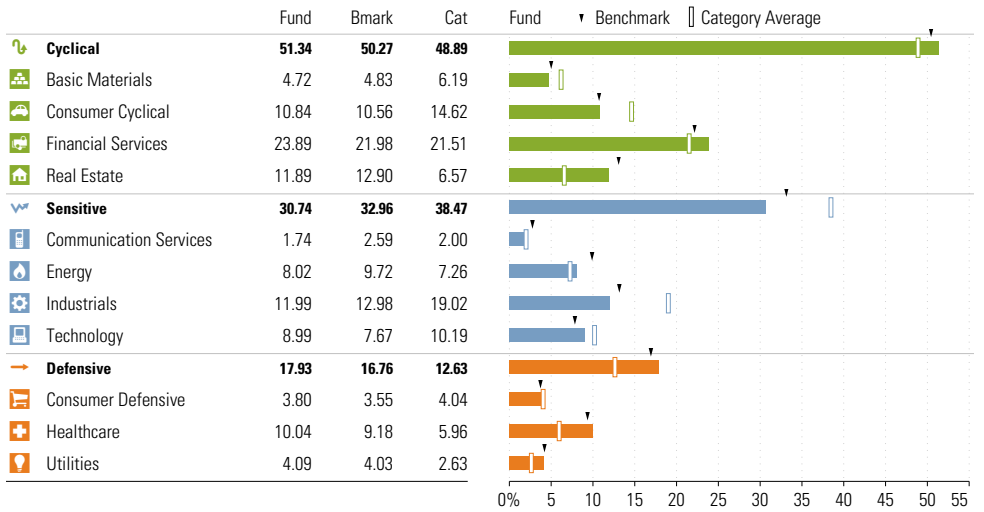


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	94.56	93.12
Non-US Stocks	3.97	3.32
Bonds	0.00	0.04
Cash	1.46	3.43
Other	0.00	0.09
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Prime Money Market Inst	1.46	1.46	-	-
Rush Enterprises Inc Class A	1.20	2.66	18.44	Consumer Cyclical
OFG Bancorp	1.11	3.77	10.74	Financial Services
Meritage Homes Corp	1.05	4.82	33.62	Consumer Cyclical
⊕ Mr. Cooper Group Inc	0.93	5.76	33.47	Financial Services
M/I Homes Inc	0.92	6.67	81.98	Consumer Cyclical
Agree Realty Corp	0.89	7.57	-19.05	Real Estate
Essent Group Ltd	0.89	8.46	23.56	Financial Services
Enova International Inc	0.88	9.34	32.58	Financial Services
⊖ Beacon Roofing Supply Inc Class A	0.87	10.21	46.18	Industrials
Encore Wire Corp	0.87	11.08	32.68	Industrials
⊕ Customers Bancorp Inc	0.86	11.94	21.56	Financial Services
Knowles Corp	0.86	12.80	-9.81	Technology
Commercial Metals Co	0.82	13.62	3.29	Basic Materials
Taylor Morrison Home Corp	0.77	14.39	40.40	Consumer Cyclical

Total Holdings 377

⊕ 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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 0.37 is 36.21% lower than the Target-Date 2020 category average.

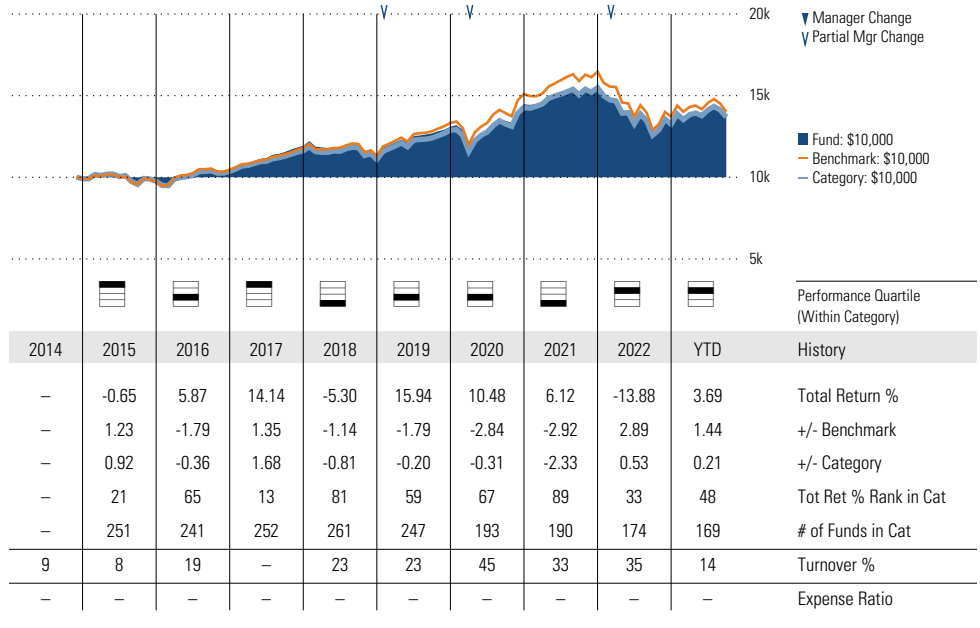
Morningstar Investment Management LLC Analysis

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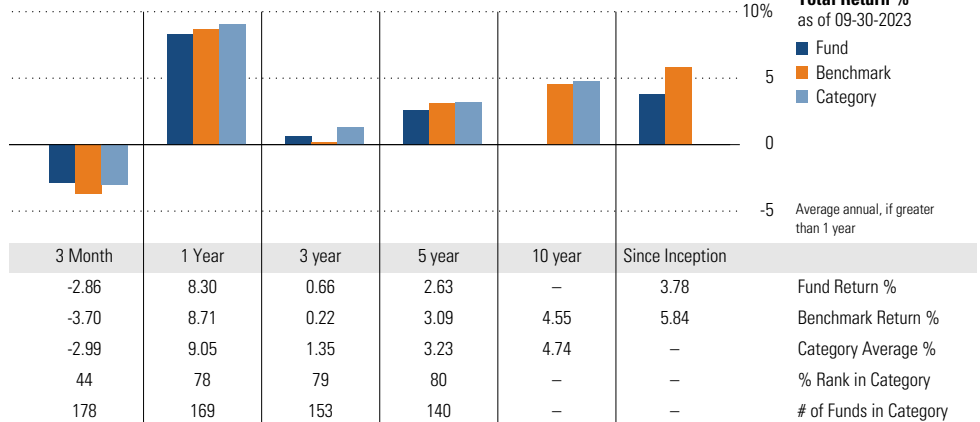
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

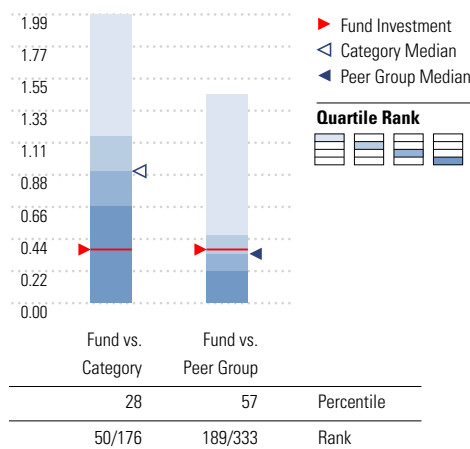
Growth of \$10,000



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	0.38	-	1.10
Beta	0.79	-	0.88
R-Squared	98.01	-	97.66
Standard Deviation	9.15	11.49	10.24
Sharpe Ratio	-0.11	-0.10	-0.02
Tracking Error	2.76	-	2.17
Information Ratio	0.16	-	0.58
Up Capture Ratio	79.76	-	91.07
Down Capture Ratio	77.13	-	84.06

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.39	17.60	18.43
Price/Book Ratio	2.85	2.43	2.67
Avg Eff Duration	5.89	-	5.99

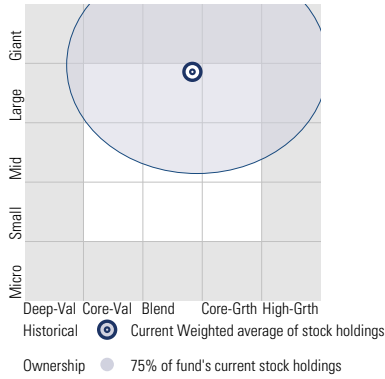
JPMorgan SmartRetirement® 2020 R6 JTTYX

Morningstar Category
Target-Date 2020

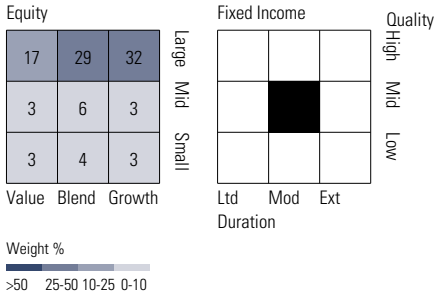
Morningstar Index
Morningstar Lifetime Mod 2020 TR USD

Style Analysis as of 09-30-2023

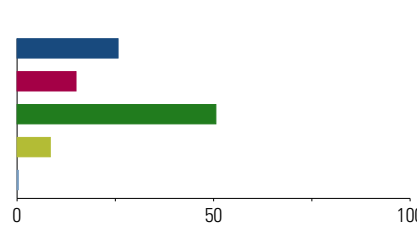
Morningstar Style Box™



Style Breakdown

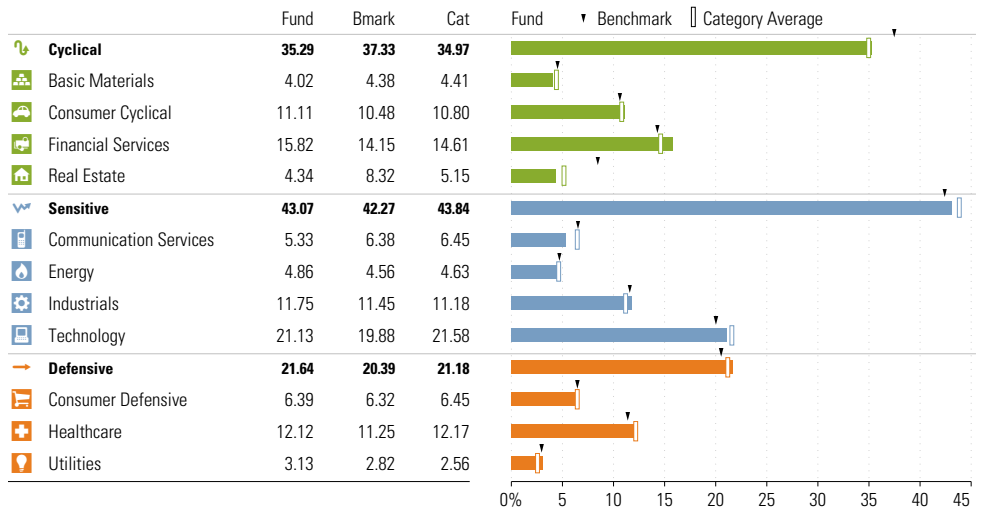


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	25.69	26.35
Non-US Stocks	14.99	14.08
Bonds	50.58	49.41
Cash	8.44	2.01
Other	0.31	8.15
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Bond R6	—	30.70	30.70	—	—
⊖ JPMorgan Core Plus Bond R6	—	10.31	41.01	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	10.19	51.20	—	—
⊖ JPMorgan US Equity R6	—	9.93	61.13	—	—
⊖ JPMorgan International Rsrch Enh Eq ETF	—	7.52	68.65	—	—
⊕ JPMorgan High Yield R6	—	7.35	76.00	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	4.90	80.89	—	—
⊖ JPMorgan International Equity R6	—	4.02	84.91	—	—
⊖ JPMorgan Inflation Managed Bond ETF	—	3.81	88.72	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	2.78	91.50	—	—

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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 0.38 is 36.67% lower than the Target-Date 2025 category average.

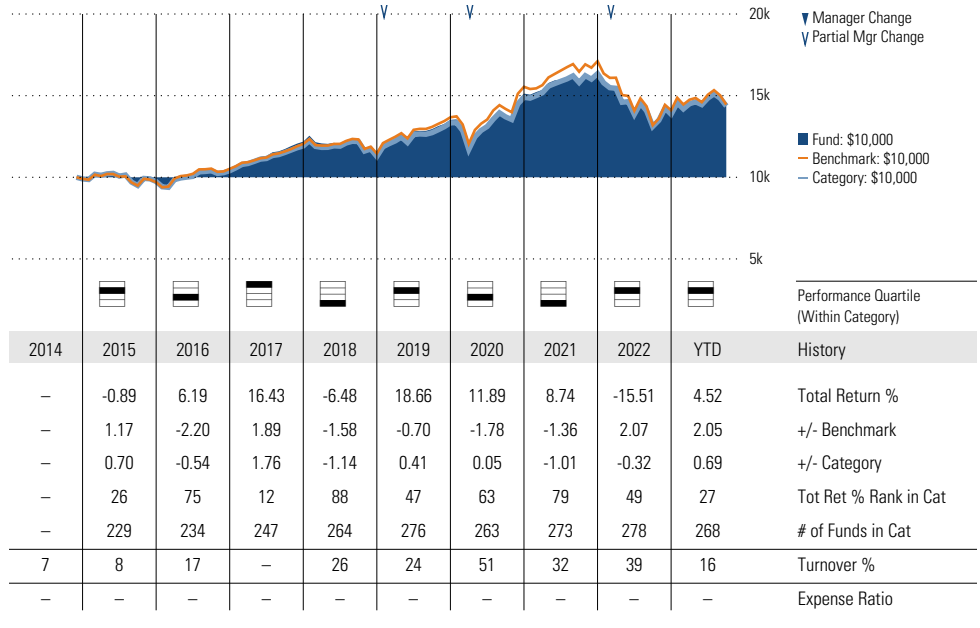
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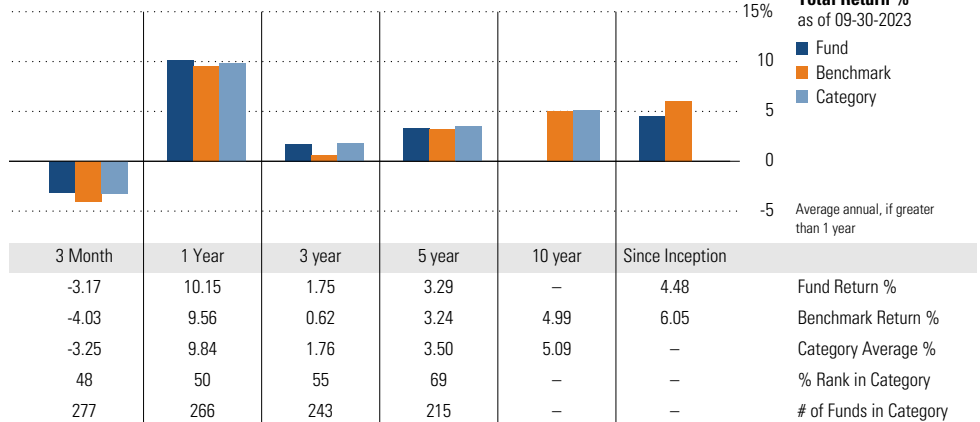
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

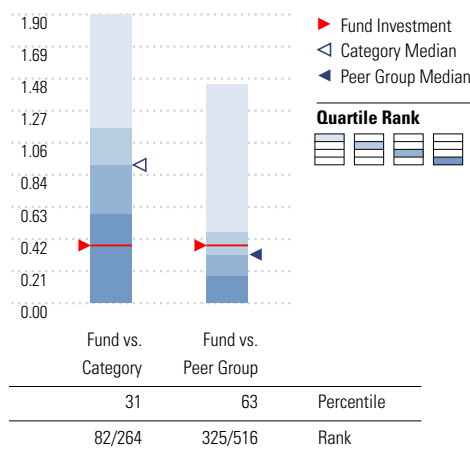
Growth of \$10,000



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	-	1.05
Beta	0.87	-	0.87
R-Squared	98.21	-	97.96
Standard Deviation	10.95	12.44	10.95
Sharpe Ratio	0.03	-0.05	0.01
Tracking Error	2.16	-	2.37
Information Ratio	0.52	-	0.56
Up Capture Ratio	90.23	-	91.09
Down Capture Ratio	83.60	-	84.91

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.42	17.42	18.55
Price/Book Ratio	2.86	2.40	2.67
Avg Eff Duration	5.93	-	5.81

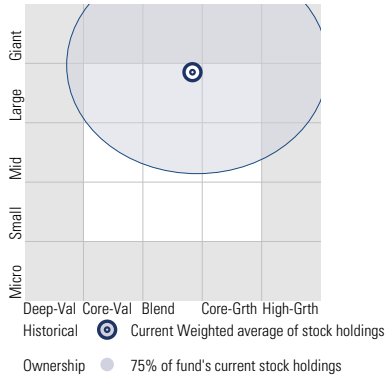
JPMorgan SmartRetirement® 2025 R6 JNSYX

Morningstar Category
Target-Date 2025

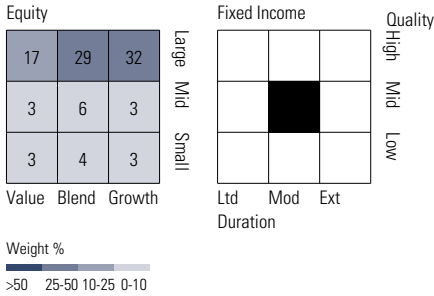
Morningstar Index
Morningstar Lifetime Mod 2025 TR USD

Style Analysis as of 09-30-2023

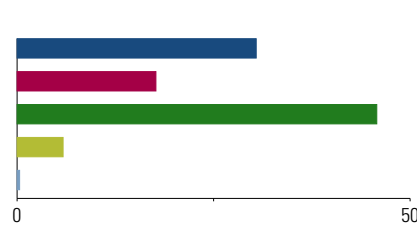
Morningstar Style Box™



Style Breakdown

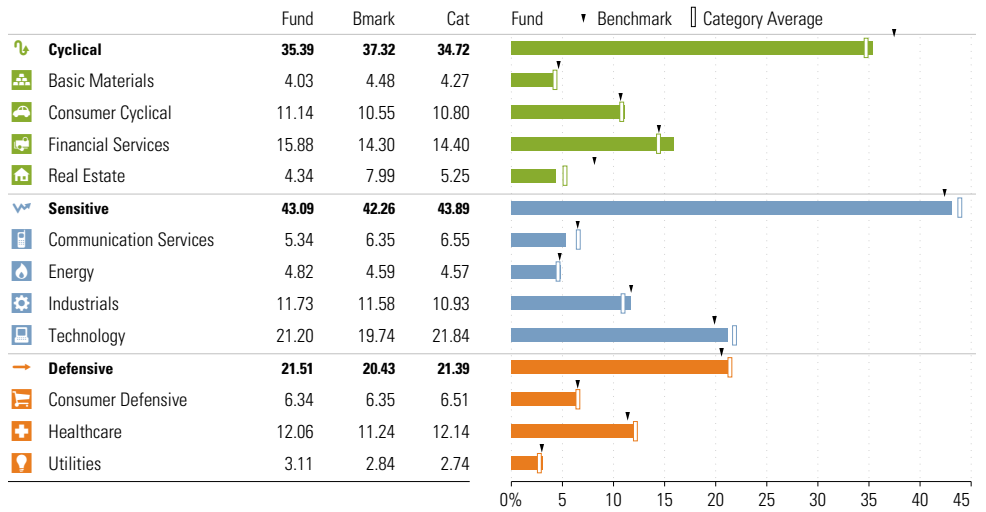


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	30.42	29.48
Non-US Stocks	17.66	14.63
Bonds	45.76	42.50
Cash	5.85	2.65
Other	0.32	10.74
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Bond R6	—	28.77	28.77	—	—
⊖ JPMorgan US Equity R6	—	11.87	40.64	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	11.80	52.44	—	—
⊖ JPMorgan Core Plus Bond R6	—	9.54	61.98	—	—
⊖ JPMorgan International Rsrch Enh Eq ETF	—	8.56	70.54	—	—
⊕ JPMorgan High Yield R6	—	6.75	77.30	—	—
⊖ JPMorgan International Equity R6	—	4.66	81.96	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	3.48	85.44	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	2.46	87.90	—	—
⊖ JPMorgan Inflation Managed Bond ETF	—	2.42	90.32	—	—

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 6 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 38.1% lower than the Target-Date 2030 category average.

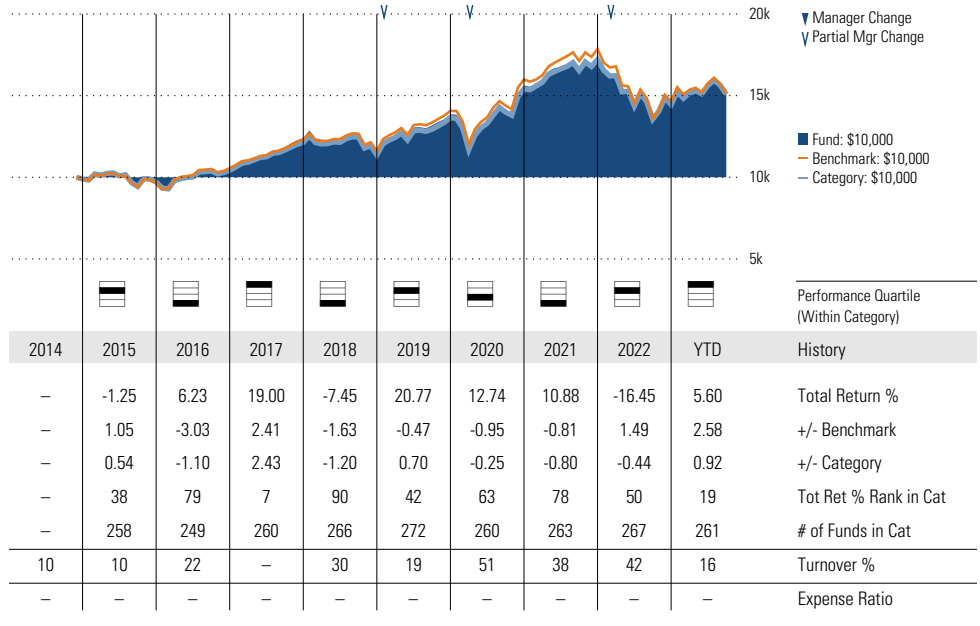
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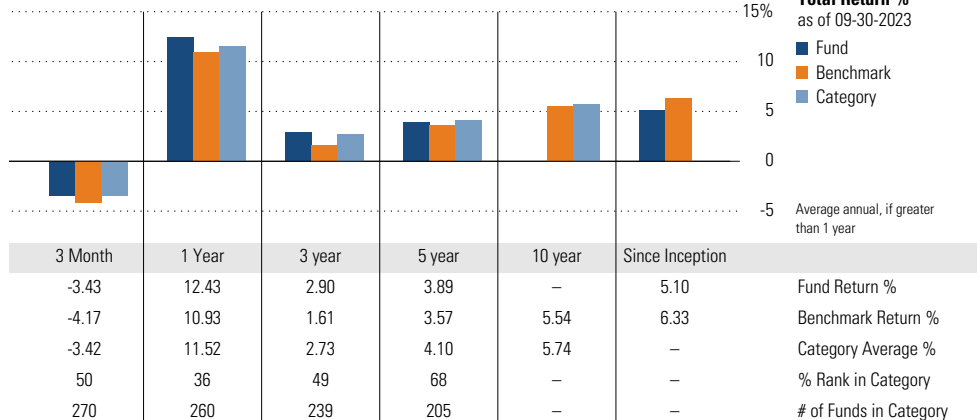
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

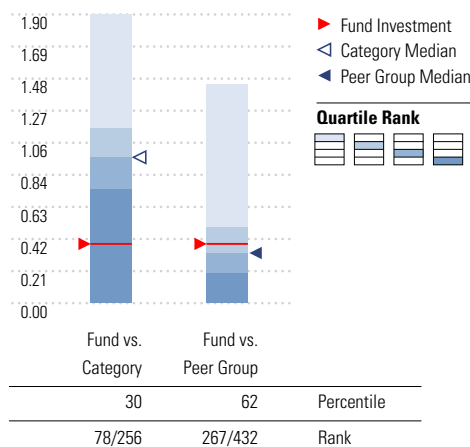
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.33	-	1.18
Beta	0.93	-	0.91
R-Squared	98.58	-	98.28
Standard Deviation	12.62	13.50	12.37
Sharpe Ratio	0.13	0.03	0.11
Tracking Error	1.79	-	2.14
Information Ratio	0.73	-	0.62
Up Capture Ratio	96.39	-	95.10
Down Capture Ratio	89.21	-	88.80

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.40	17.24	18.53
Price/Book Ratio	2.83	2.37	2.75
Avg Eff Duration	5.96	-	5.85

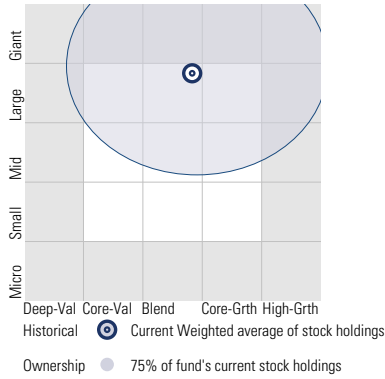
JPMorgan SmartRetirement® 2030 R6 JSMYX

Morningstar Category
Target-Date 2030

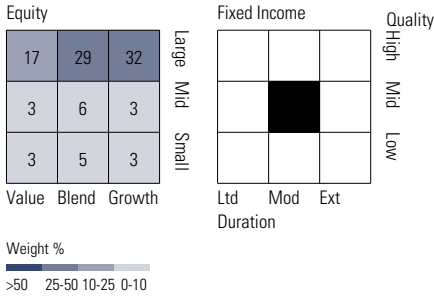
Morningstar Index
Morningstar Lifetime Mod 2030 TR USD

Style Analysis as of 09-30-2023

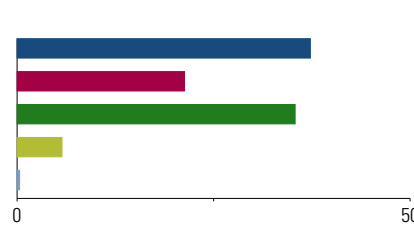
Morningstar Style Box™



Style Breakdown

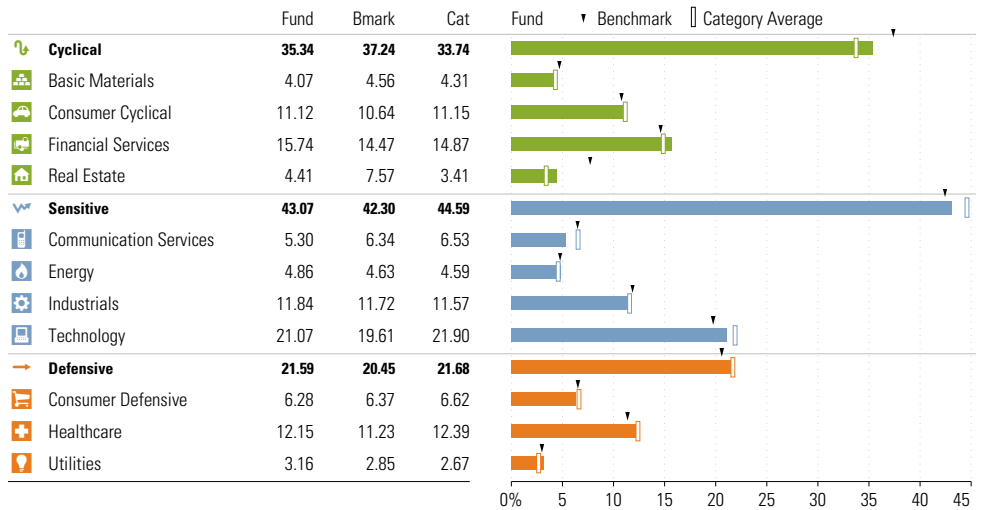


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	37.31	35.41
Non-US Stocks	21.30	18.47
Bonds	35.37	33.26
Cash	5.71	1.01
Other	0.32	11.85
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Bond R6	—	23.51	23.51	—	—
⊖ JPMorgan US Equity R6	—	15.03	38.55	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	13.95	52.49	—	—
⊖ JPMorgan International Rsrch Enh Eq ETF	—	10.82	63.32	—	—
⊖ JPMorgan Core Plus Bond R6	—	7.72	71.04	—	—
⊖ JPMorgan International Equity R6	—	5.64	76.68	—	—
⊕ JPMorgan High Yield R6	—	5.31	81.99	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	4.37	86.36	—	—
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	2.75	89.11	—	—
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	2.01	91.12	—	—

Total Holdings 22

⊕ 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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 33.87% lower than the Target-Date 2035 category average.

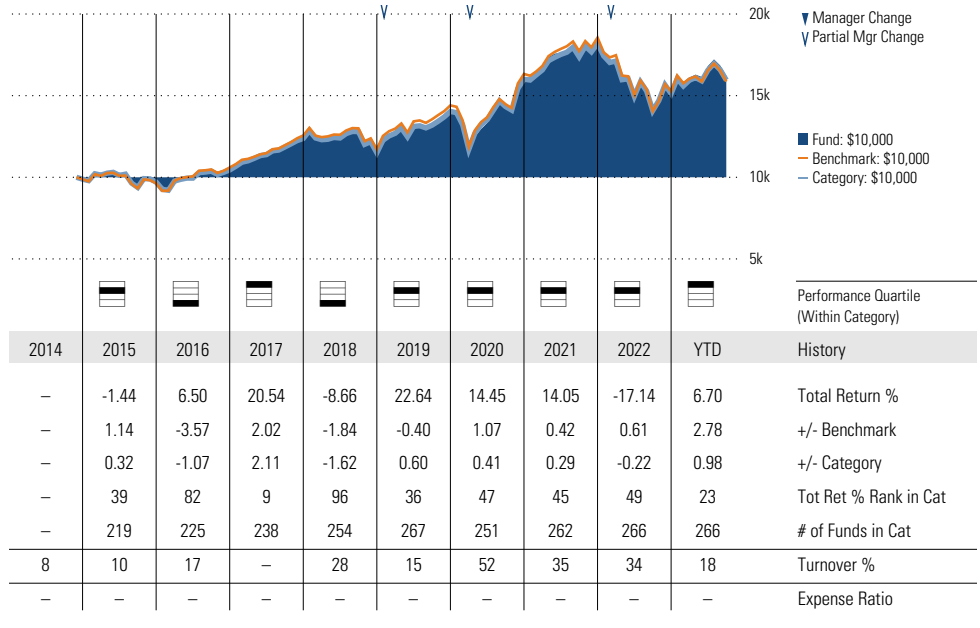
Morningstar Investment Management LLC Analysis

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.

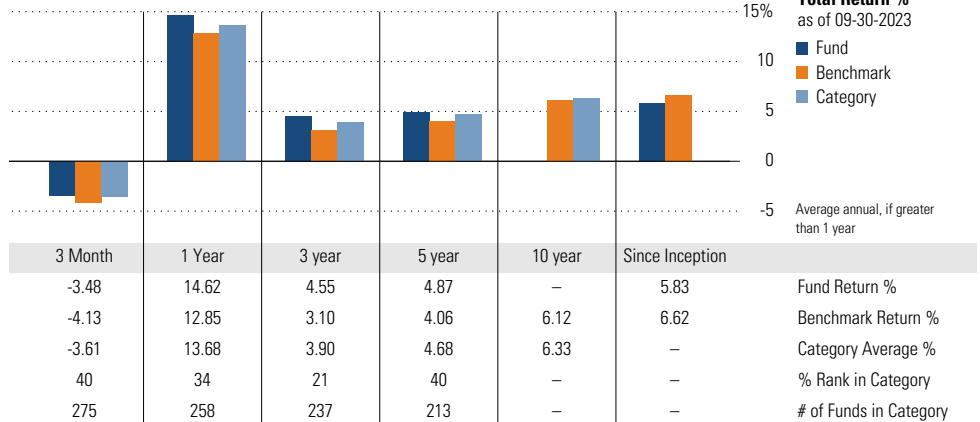
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

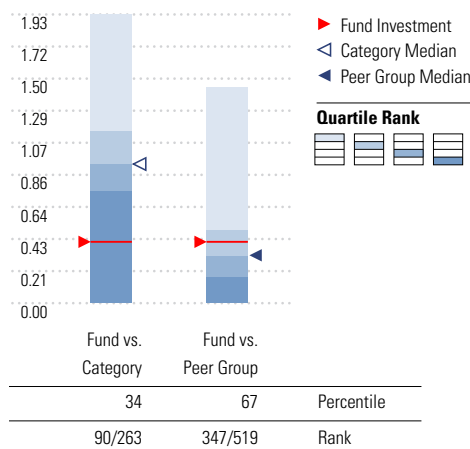
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.49	-	0.97
Beta	0.96	-	0.94
R-Squared	98.71	-	98.48
Standard Deviation	14.12	14.62	13.83
Sharpe Ratio	0.24	0.14	0.20
Tracking Error	1.71	-	2.06
Information Ratio	0.85	-	0.51
Up Capture Ratio	99.66	-	97.43
Down Capture Ratio	92.34	-	92.79

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.28	17.07	18.50
Price/Book Ratio	2.75	2.34	2.71
Avg Eff Duration	6.02	-	6.11

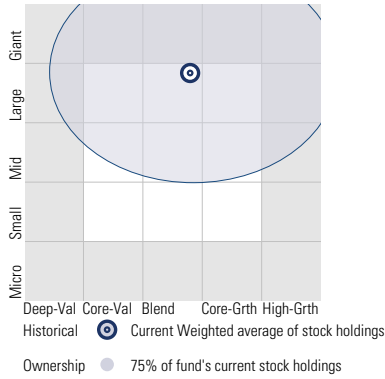
JPMorgan SmartRetirement® 2035 R6 SRJYX

Morningstar Category
Target-Date 2035

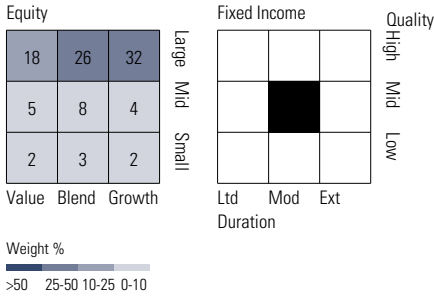
Morningstar Index
Morningstar Lifetime Mod 2035 TR
USD

Style Analysis as of 09-30-2023

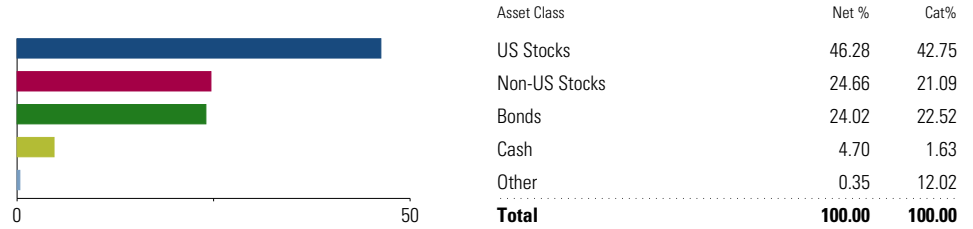
Morningstar Style Box™



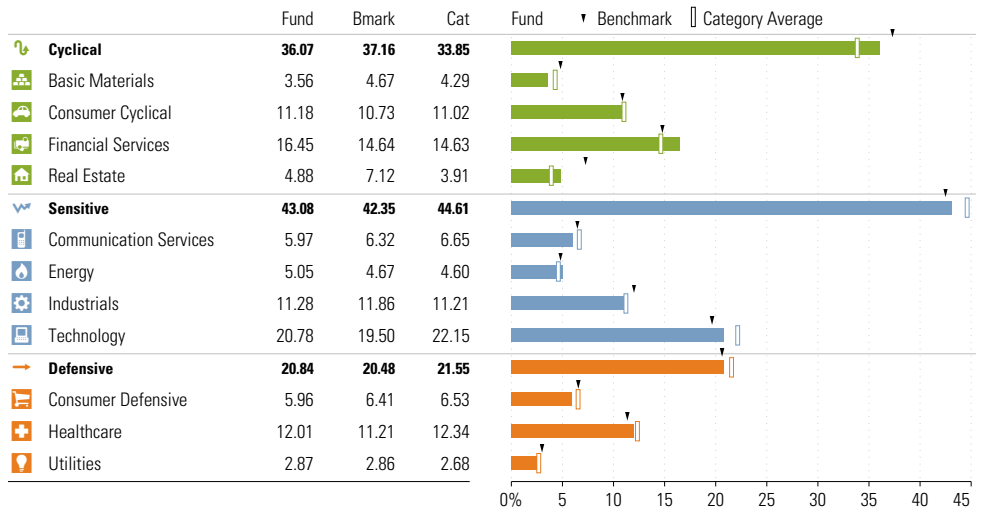
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Plus Bond R6	–	15.72	15.72	–	–
⊖ JPMorgan International Rsrch Enh Eq ETF	–	12.84	28.56	–	–
⊖ JPMorgan Value Advantage R6	–	10.72	39.28	–	–
⊖ JPMorgan Growth Advantage R6	–	10.41	49.70	–	–
⊖ JPMorgan US Equity R6	–	10.07	59.77	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	9.95	69.72	–	–
⊖ JPMorgan International Equity R6	–	6.97	76.68	–	–
⊖ JPMorgan Core Bond R6	–	6.24	82.92	–	–
⊕ JPMorgan High Yield R6	–	3.48	86.40	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	2.63	89.03	–	–

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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 36.36% lower than the Target-Date 2040 category average.

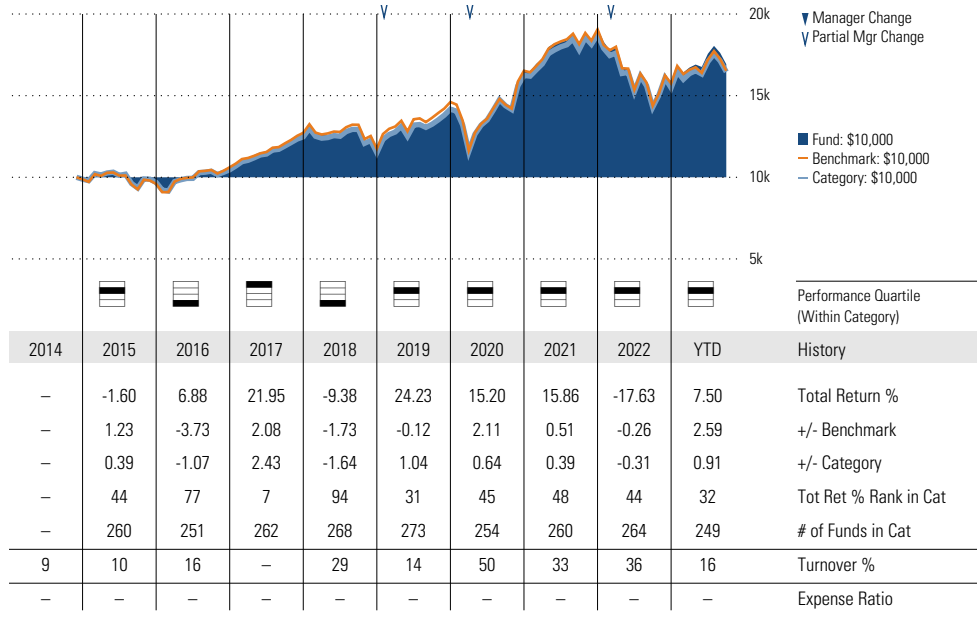
Morningstar Investment Management LLC Analysis

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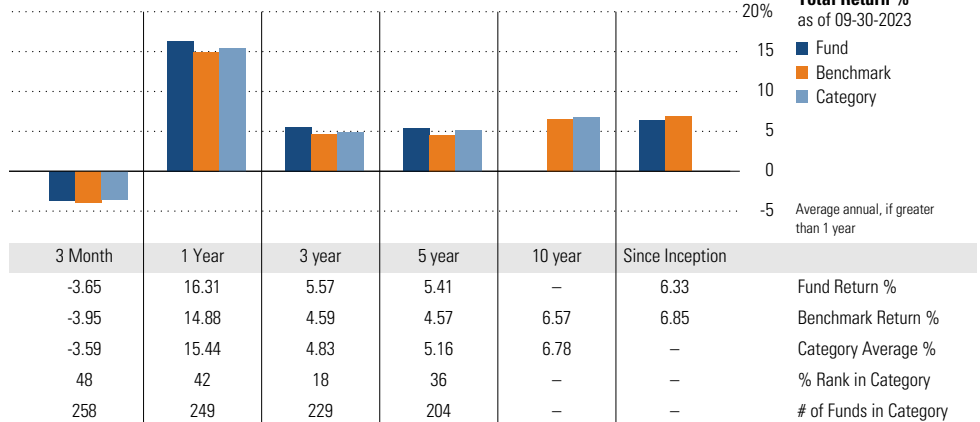
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

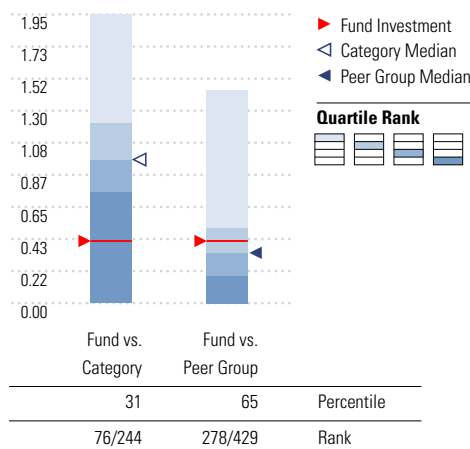
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	1.04	-	0.45
Beta	0.97	-	0.95
R-Squared	98.81	-	98.40
Standard Deviation	15.30	15.62	14.97
Sharpe Ratio	0.30	0.23	0.25
Tracking Error	1.72	-	2.19
Information Ratio	0.57	-	0.20
Up Capture Ratio	99.85	-	97.38
Down Capture Ratio	95.13	-	95.57

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.32	16.90	18.51
Price/Book Ratio	2.75	2.31	2.74
Avg Eff Duration	5.93	-	6.11

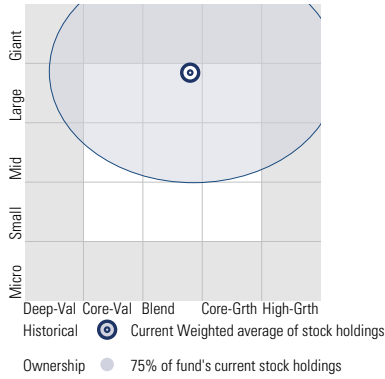
JPMorgan SmartRetirement® 2040 R6 SMTYX

Morningstar Category
Target-Date 2040

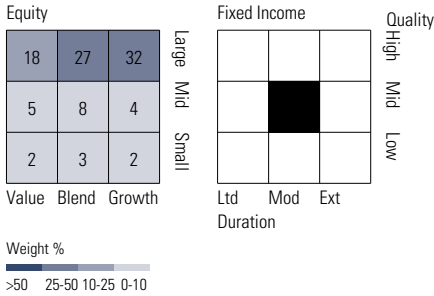
Morningstar Index
Morningstar Lifetime Mod 2040 TR USD

Style Analysis as of 09-30-2023

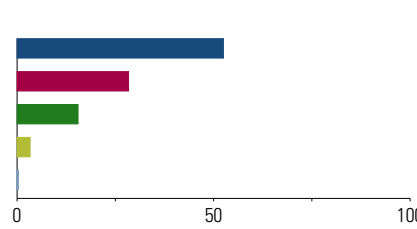
Morningstar Style Box™



Style Breakdown

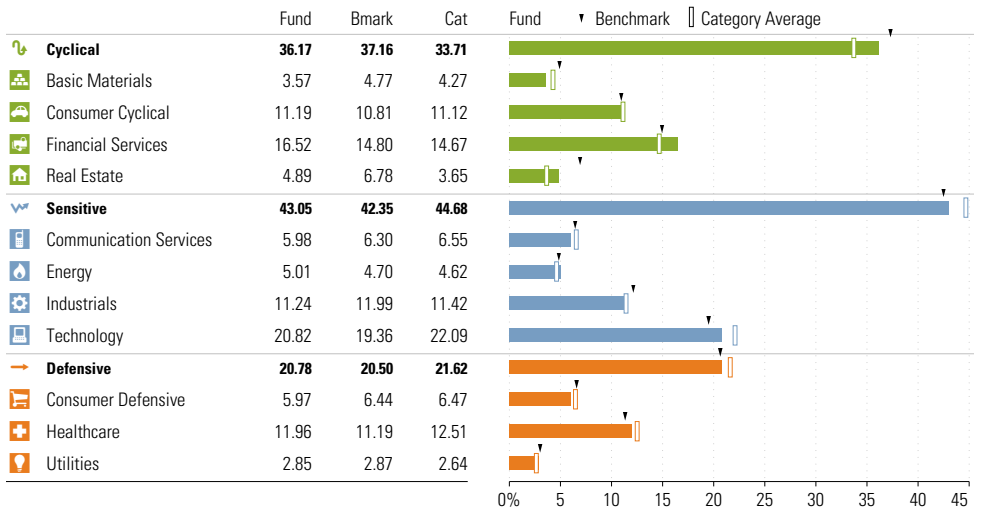


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	52.49	49.37
Non-US Stocks	28.36	24.30
Bonds	15.50	12.60
Cash	3.31	1.13
Other	0.33	12.62
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan International Rsrch Enh Eq ETF	-	14.47	14.47	-	-
⊖ JPMorgan Value Advantage R6	-	12.19	26.66	-	-
⊖ JPMorgan Growth Advantage R6	-	11.84	38.49	-	-
⊖ JPMorgan US Equity R6	-	11.45	49.94	-	-
⊖ JPMorgan US Research Enhanced Equity R6	-	11.23	61.17	-	-
⊖ JPMorgan Core Plus Bond R6	-	9.72	70.88	-	-
⊖ JPMorgan International Equity R6	-	7.83	78.71	-	-
⊖ JPMorgan Core Bond R6	-	3.24	81.95	-	-
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	-	3.00	84.95	-	-
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	-	2.84	87.79	-	-

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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 34.38% lower than the Target-Date 2045 category average.

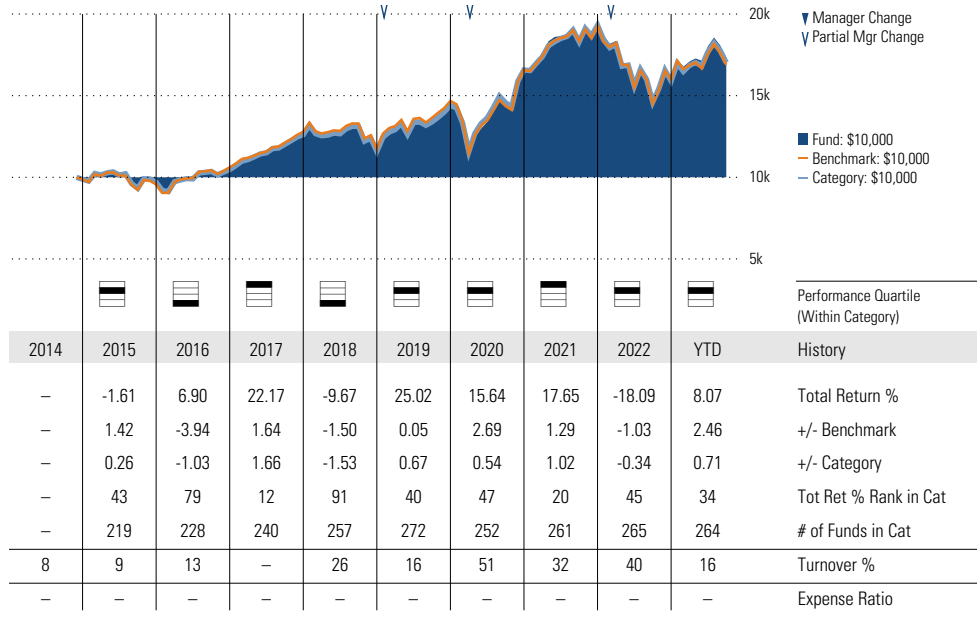
Morningstar Investment Management LLC Analysis

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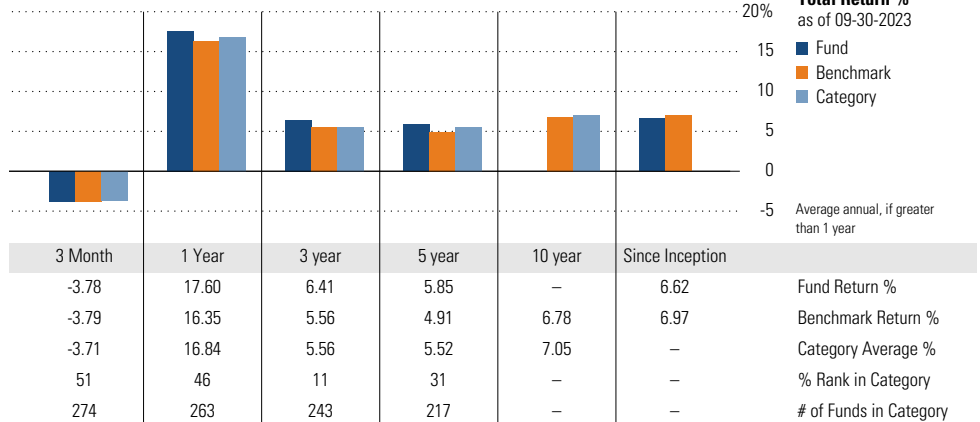
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

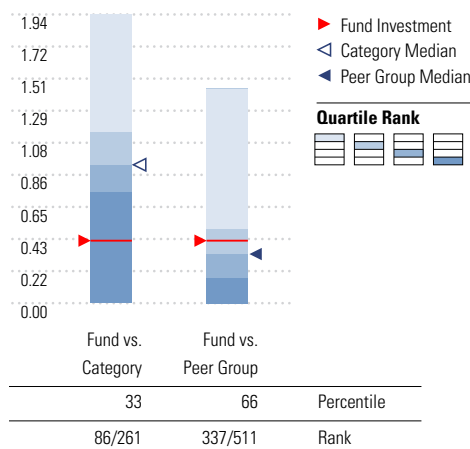
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.86	-	0.10
Beta	0.99	-	0.96
R-Squared	98.73	-	98.38
Standard Deviation	16.23	16.29	15.81
Sharpe Ratio	0.34	0.29	0.28
Tracking Error	1.84	-	2.19
Information Ratio	0.46	-	0.01
Up Capture Ratio	101.50	-	98.04
Down Capture Ratio	97.91	-	97.98

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.34	16.76	18.33
Price/Book Ratio	2.75	2.28	2.67
Avg Eff Duration	6.01	-	6.74

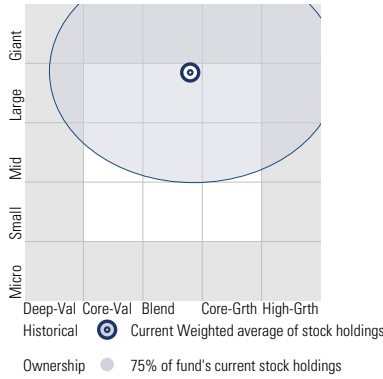
JPMorgan SmartRetirement® 2045 R6 JSAYX

Morningstar Category
Target-Date 2045

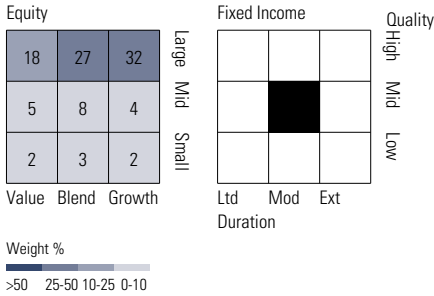
Morningstar Index
Morningstar Lifetime Mod 2045 TR USD

Style Analysis as of 09-30-2023

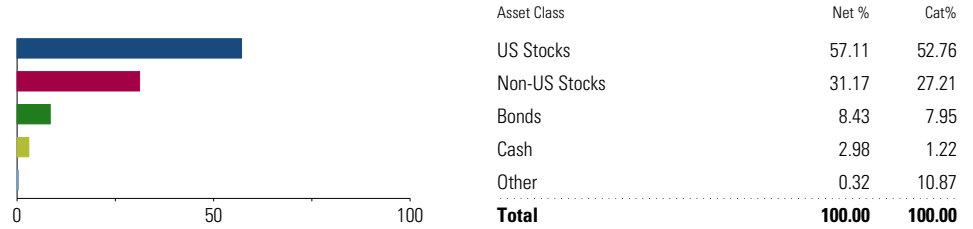
Morningstar Style Box™



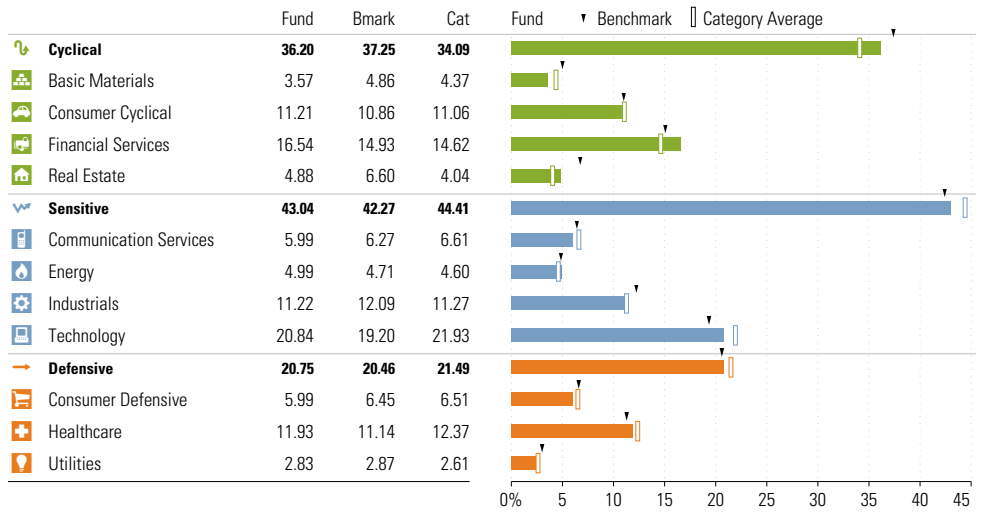
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan International Rsrch Enh Eq ETF	–	15.86	15.86	–	–
⊖ JPMorgan Value Advantage R6	–	13.27	29.13	–	–
⊖ JPMorgan Growth Advantage R6	–	12.89	42.01	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	12.32	54.34	–	–
⊖ JPMorgan US Equity R6	–	12.32	66.65	–	–
⊖ JPMorgan International Equity R6	–	8.32	74.97	–	–
⊕ JPMorgan Core Plus Bond R6	–	5.23	80.20	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	3.28	83.48	–	–
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	–	3.17	86.65	–	–
⊖ JPMorgan ActiveBuilders EM Eq ETF	–	2.71	89.36	–	–

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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 36.36% lower than the Target-Date 2050 category average.

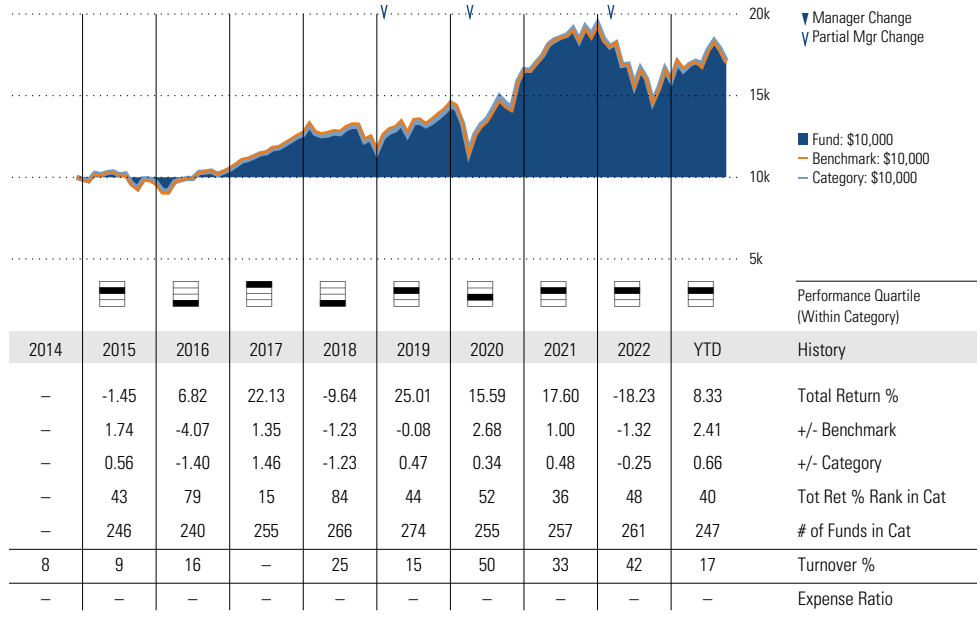
Morningstar Investment Management LLC Analysis

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

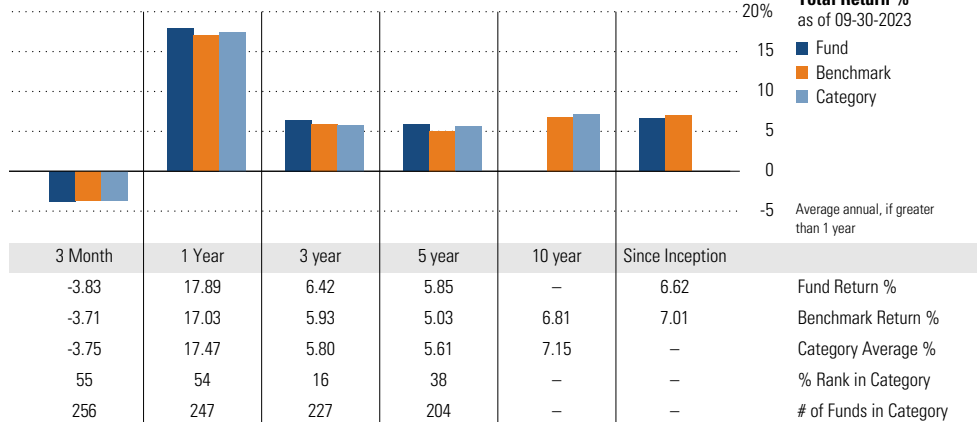
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

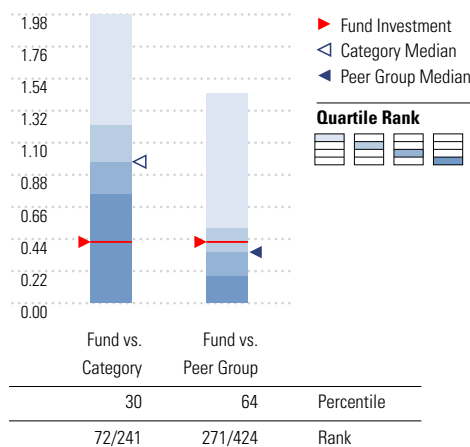
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	0.56	-	-0.06
Beta	0.98	-	0.97
R-Squared	98.67	-	98.24
Standard Deviation	16.38	16.58	16.20
Sharpe Ratio	0.34	0.31	0.29
Tracking Error	1.91	-	2.24
Information Ratio	0.25	-	-0.09
Up Capture Ratio	100.09	-	98.54
Down Capture Ratio	97.89	-	99.27

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.34	16.63	18.33
Price/Book Ratio	2.75	2.25	2.67
Avg Eff Duration	6.08	-	6.59

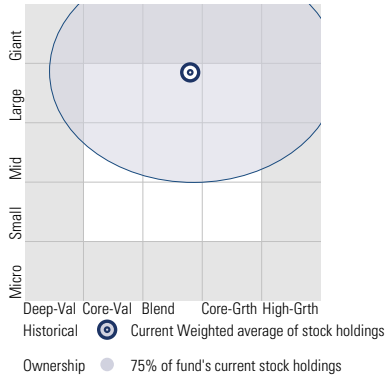
JPMorgan SmartRetirement® 2050 R6 JTSYX

Morningstar Category
Target-Date 2050

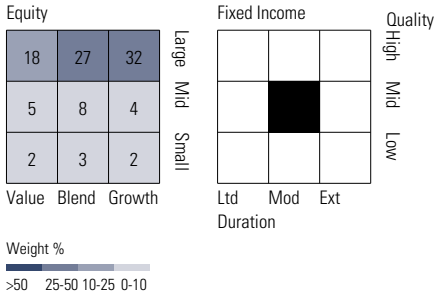
Morningstar Index
Morningstar Lifetime Mod 2050 TR USD

Style Analysis as of 09-30-2023

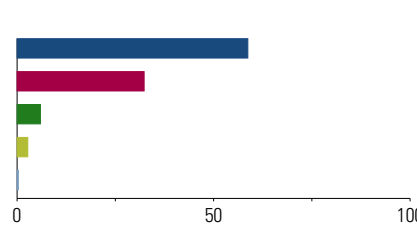
Morningstar Style Box™



Style Breakdown

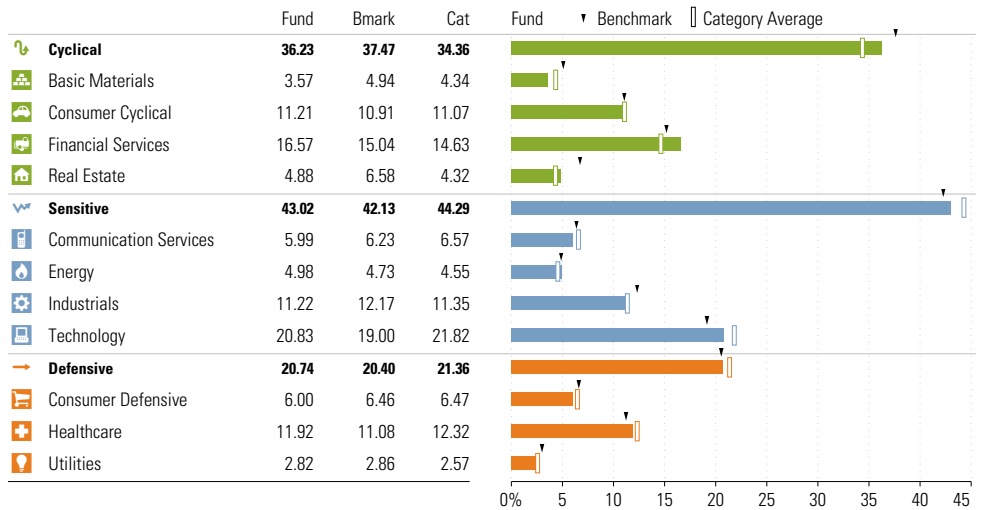


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	58.71	55.24
Non-US Stocks	32.32	28.24
Bonds	5.93	5.60
Cash	2.72	1.16
Other	0.31	9.76
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan International Rsrch Enh Eq ETF	–	16.32	16.32	–	–
⊖ JPMorgan Value Advantage R6	–	13.68	30.00	–	–
⊖ JPMorgan Growth Advantage R6	–	13.28	43.29	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	12.68	55.97	–	–
⊖ JPMorgan US Equity R6	–	12.57	68.53	–	–
⊖ JPMorgan International Equity R6	–	8.73	77.26	–	–
⊕ JPMorgan Core Plus Bond R6	–	3.57	80.83	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	3.38	84.21	–	–
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	–	3.27	87.48	–	–
⊖ JPMorgan ActiveBuilders EM Eq ETF	–	2.79	90.27	–	–

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 7 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 11.67 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 34.38% lower than the Target-Date 2055 category average.

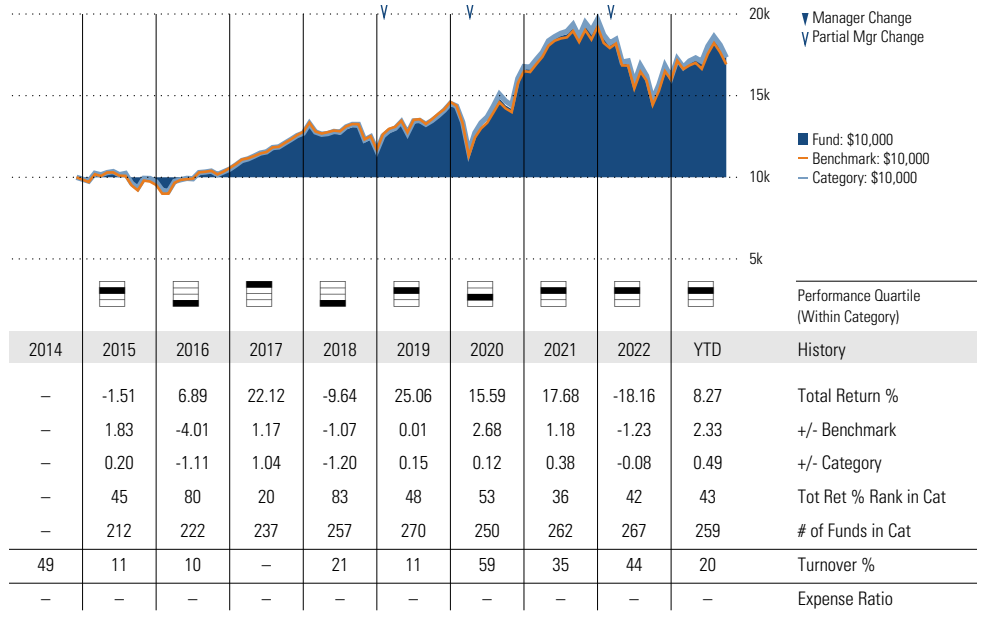
Morningstar Investment Management LLC Analysis

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

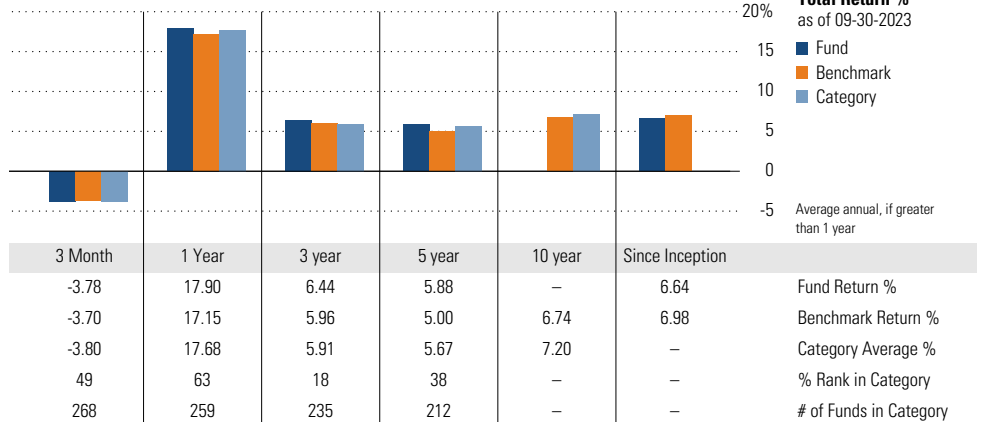
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

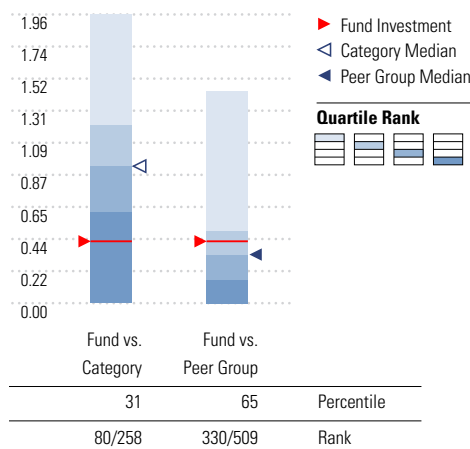
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.58	-	0.03
Beta	0.98	-	0.97
R-Squared	98.66	-	98.19
Standard Deviation	16.35	16.66	16.37
Sharpe Ratio	0.34	0.31	0.30
Tracking Error	1.94	-	2.24
Information Ratio	0.25	-	-0.04
Up Capture Ratio	99.70	-	99.47
Down Capture Ratio	97.45	-	99.88

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	18.35	16.51	18.11
Price/Book Ratio	2.75	2.22	2.65
Avg Eff Duration	6.07	-	7.49

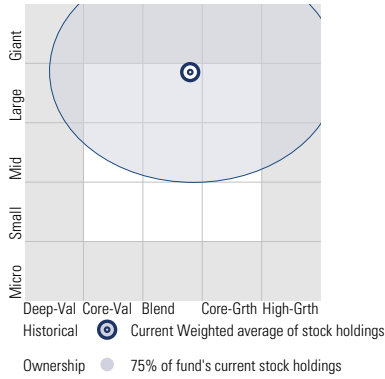
JPMorgan SmartRetirement® 2055 R6 JFFYX

Morningstar Category
Target-Date 2055

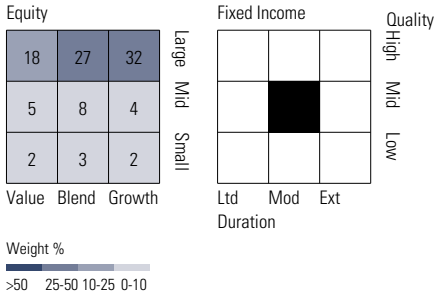
Morningstar Index
Morningstar Lifetime Mod 2055 TR USD

Style Analysis as of 09-30-2023

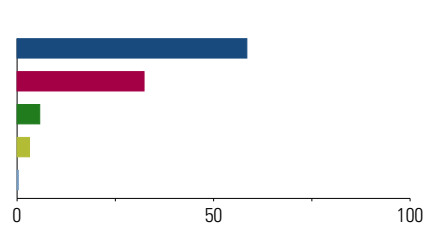
Morningstar Style Box™



Style Breakdown

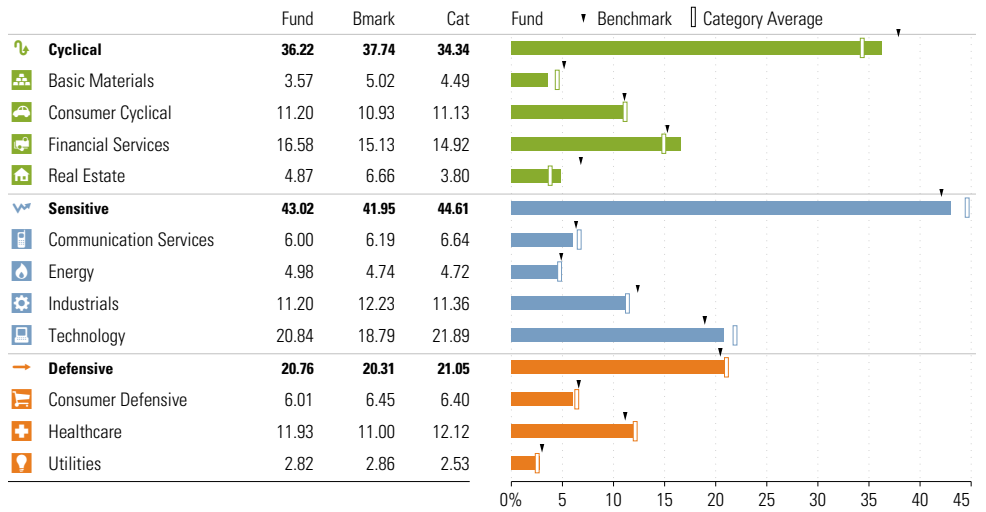


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	58.46	54.00
Non-US Stocks	32.30	28.85
Bonds	5.76	5.90
Cash	3.16	1.06
Other	0.31	10.20
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan International Rsrch Enh Eq ETF	–	16.31	16.31	–	–
⊖ JPMorgan Value Advantage R6	–	13.65	29.96	–	–
⊖ JPMorgan Growth Advantage R6	–	13.25	43.21	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	12.67	55.89	–	–
⊖ JPMorgan US Equity R6	–	12.58	68.46	–	–
⊖ JPMorgan International Equity R6	–	8.73	77.19	–	–
⊖ JPMorgan Core Plus Bond R6	–	3.49	80.68	–	–
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	–	3.27	83.95	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	3.19	87.13	–	–
⊖ JPMorgan ActiveBuilders EM Eq ETF	–	2.79	89.93	–	–

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 6 of the 7 years it's been in existence.

✔ **Management:** The fund's management has been in place for 7.08 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 0.42 is 37.31% lower than the Target-Date 2060 category average.

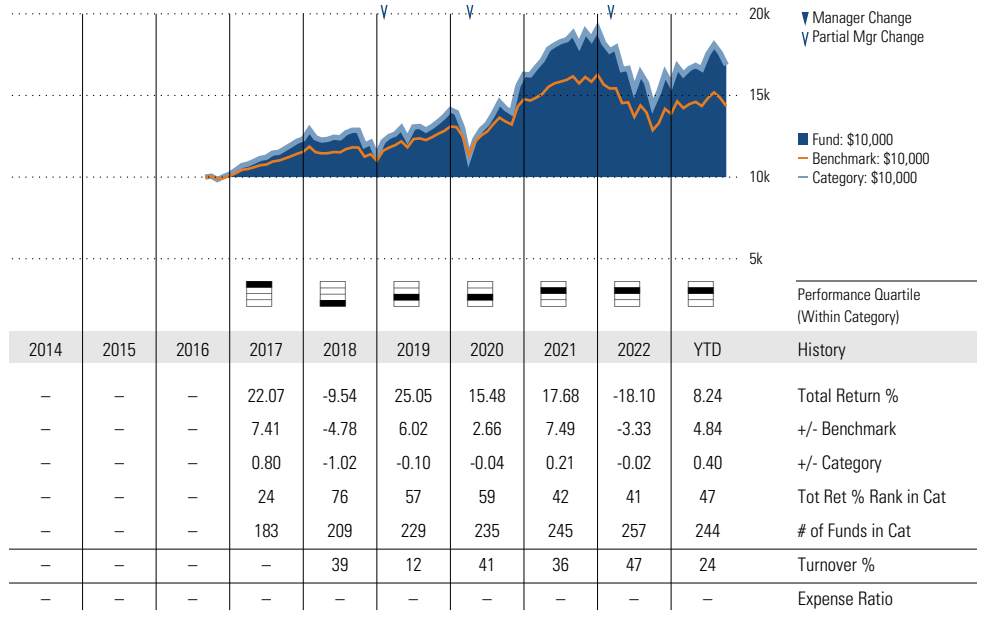
Morningstar Investment Management LLC Analysis

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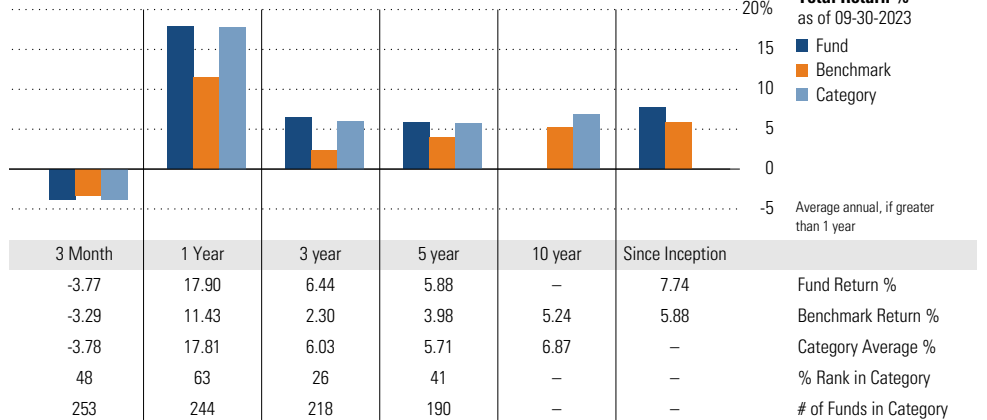
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022

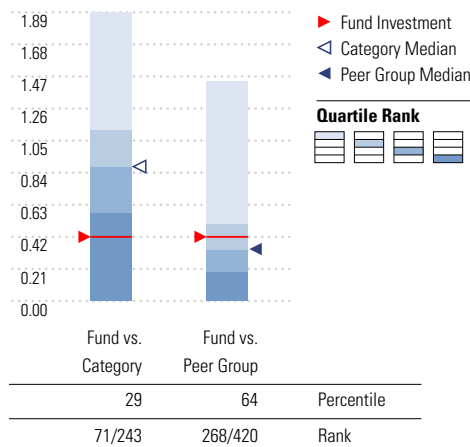
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	3.60	-	3.10
Beta	1.31	-	1.32
R-Squared	97.37	-	97.20
Standard Deviation	16.34	12.30	16.42
Sharpe Ratio	0.34	0.08	0.30
Tracking Error	4.65	-	4.78
Information Ratio	0.89	-	0.75
Up Capture Ratio	143.63	-	144.61
Down Capture Ratio	123.53	-	127.71

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.35	16.40	18.07
Price/Book Ratio	2.75	2.18	2.61
Avg Eff Duration	6.07	-	6.43

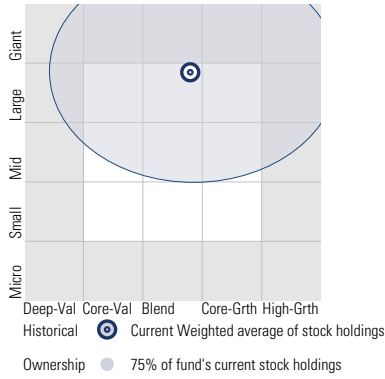
JPMorgan SmartRetirement® 2060 R6 JAKYX

Morningstar Category
Target-Date 2060

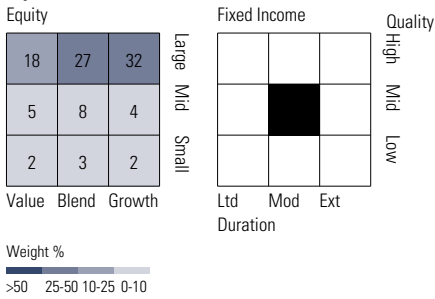
Morningstar Index
Morningstar Mod Tgt Risk TR USD

Style Analysis as of 09-30-2023

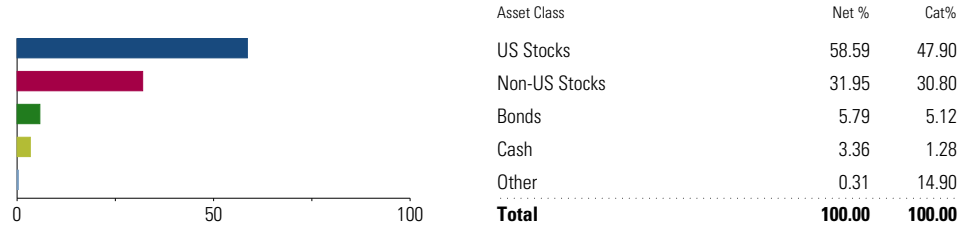
Morningstar Style Box™



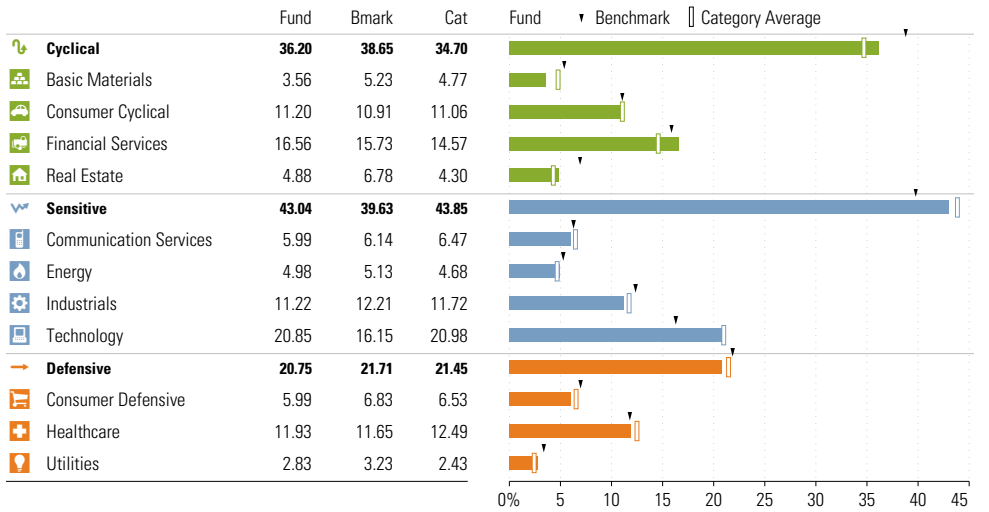
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan International Rsrch Enh Eq ETF	—	16.13	16.13	—	—
⊖ JPMorgan Value Advantage R6	—	13.64	29.77	—	—
⊖ JPMorgan Growth Advantage R6	—	13.24	43.00	—	—
⊖ JPMorgan US Research Enhanced Equity R6	—	12.66	55.67	—	—
⊖ JPMorgan US Equity R6	—	12.59	68.25	—	—
⊖ JPMorgan International Equity R6	—	8.63	76.89	—	—
⊖ JPMorgan Core Plus Bond R6	—	3.48	80.37	—	—
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	—	3.37	83.74	—	—
⊖ JPMorgan Emerging Mkts Rsrch Enh Eq R6	—	3.24	86.97	—	—
⊖ JPMorgan ActiveBuilders EM Eq ETF	—	2.76	89.73	—	—

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 8 of the 9 years it's been in existence.

✔ **Management:** The fund's management has been in place for 15.25 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 0.36 is 40.98% lower than the Target-Date Retirement category average.

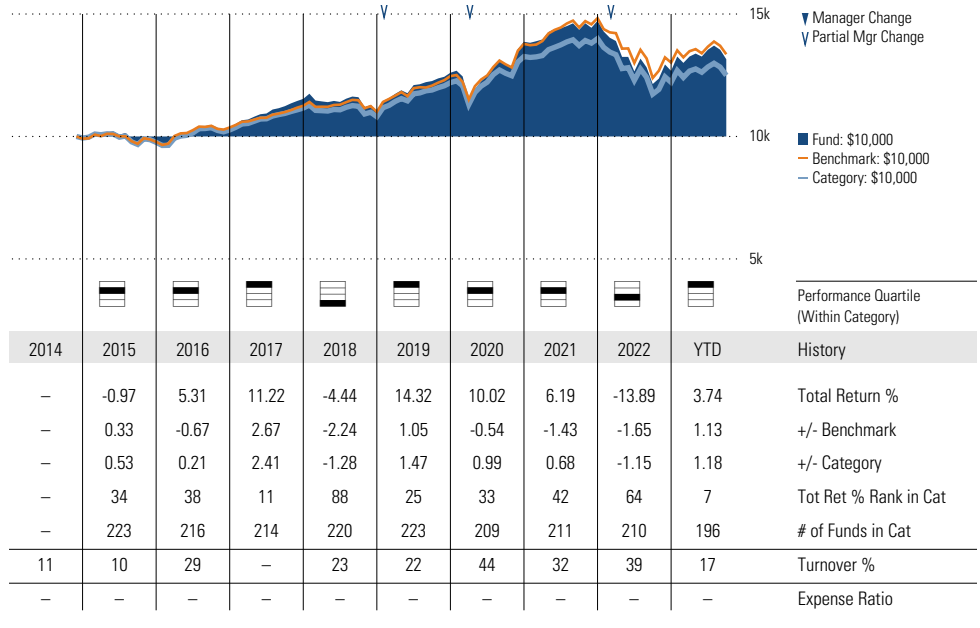
Morningstar Investment Management LLC Analysis

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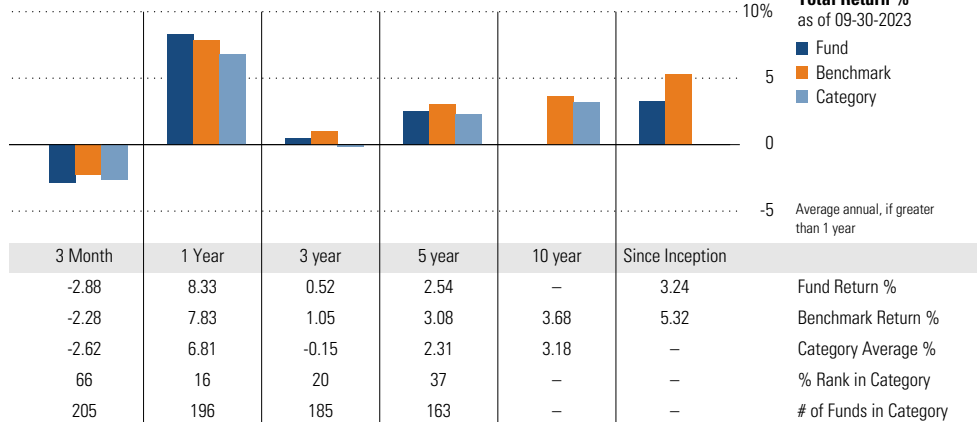
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

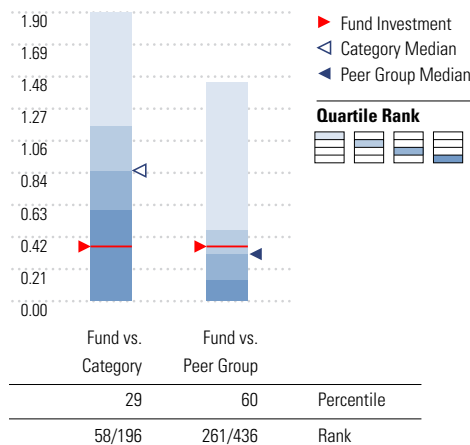
Growth of \$10,000



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	-0.52	-	-1.14
Beta	1.01	-	0.94
R-Squared	97.99	-	96.63
Standard Deviation	9.02	8.87	8.45
Sharpe Ratio	-0.12	-0.07	-0.23
Tracking Error	1.28	-	1.88
Information Ratio	-0.41	-	-0.65
Up Capture Ratio	99.18	-	89.70
Down Capture Ratio	103.52	-	99.10

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.38	18.00	18.29
Price/Book Ratio	2.85	2.51	2.52
Avg Eff Duration	5.89	-	5.57

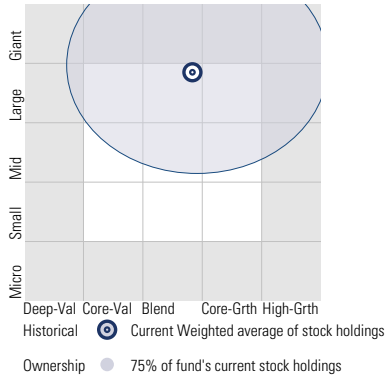
JPMorgan SmartRetirement® Income R6 JSIYX

Morningstar Category
Target-Date Retirement

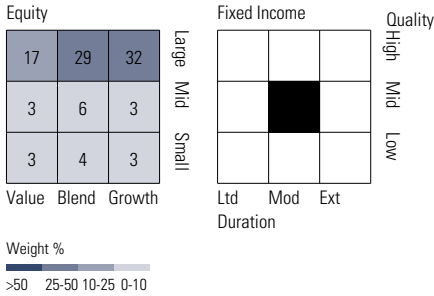
Morningstar Index
Morningstar Lifetime Mod Incm TR USD

Style Analysis as of 09-30-2023

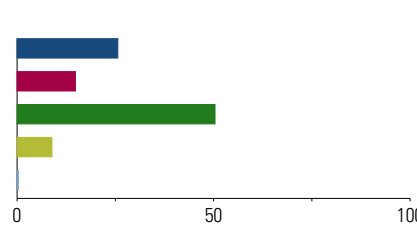
Morningstar Style Box™



Style Breakdown

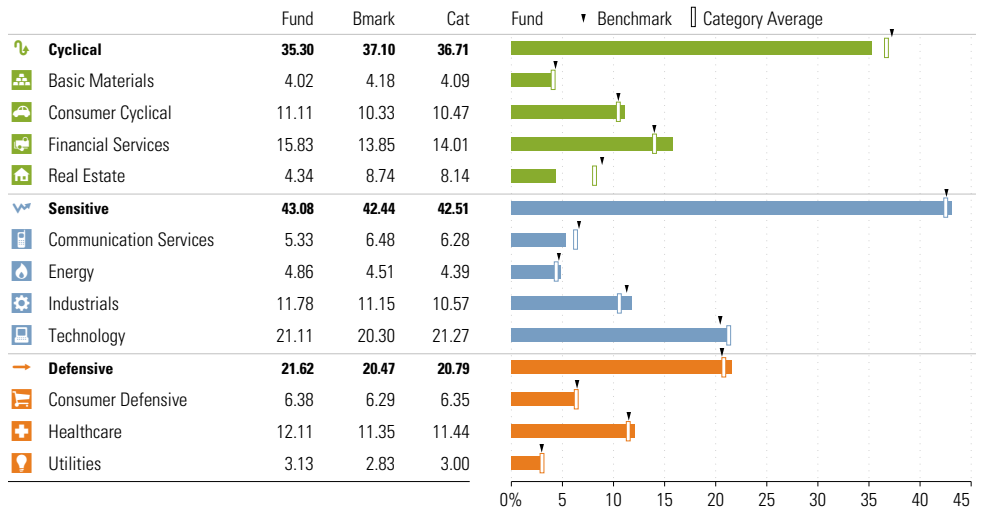


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	25.63	19.96
Non-US Stocks	14.84	9.84
Bonds	50.36	52.99
Cash	8.86	3.88
Other	0.30	13.34
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ JPMorgan Core Bond R6	–	30.60	30.60	–	–
⊖ JPMorgan Core Plus Bond R6	–	10.28	40.89	–	–
⊖ JPMorgan US Research Enhanced Equity R6	–	10.01	50.90	–	–
⊖ JPMorgan US Equity R6	–	9.96	60.86	–	–
⊖ JPMorgan International Rsrch Enh Eq ETF	–	7.44	68.30	–	–
⊕ JPMorgan High Yield R6	–	7.33	75.63	–	–
⊕ Jpmorgan Us Govt Mmkt Fund Im Shares (Restricted)	12-2049	5.33	80.96	–	–
⊖ JPMorgan International Equity R6	–	3.98	84.94	–	–
⊖ JPMorgan Inflation Managed Bond ETF	–	3.77	88.71	–	–
⊖ JPMorgan BetaBuilders US Mid Cap Eq ETF	–	2.91	91.62	–	–

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
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 21.51 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 0.5 is 46.81% lower than the Large Growth category average.

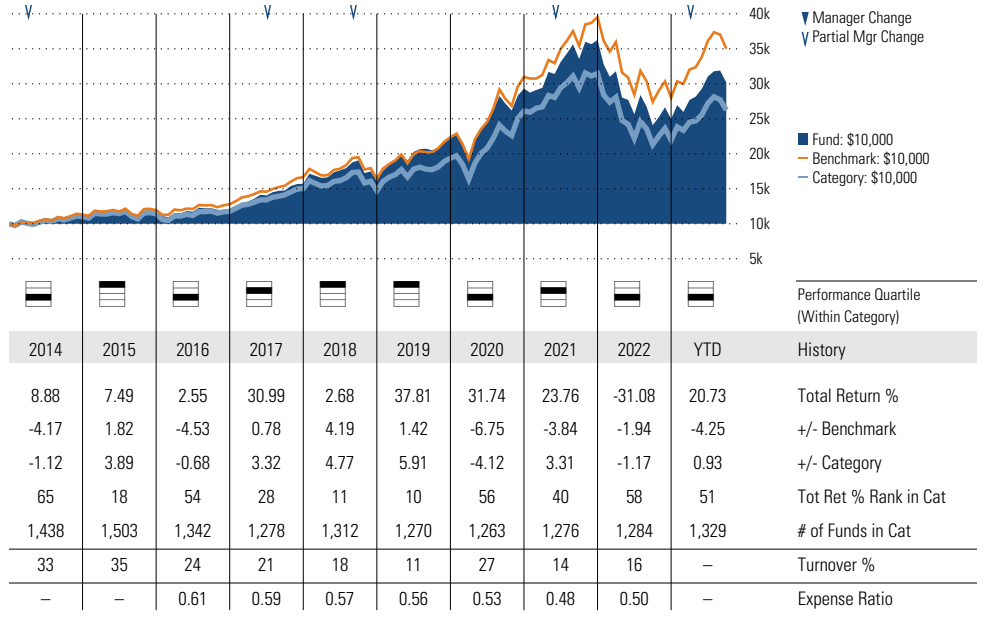
Morningstar Investment Management LLC Analysis

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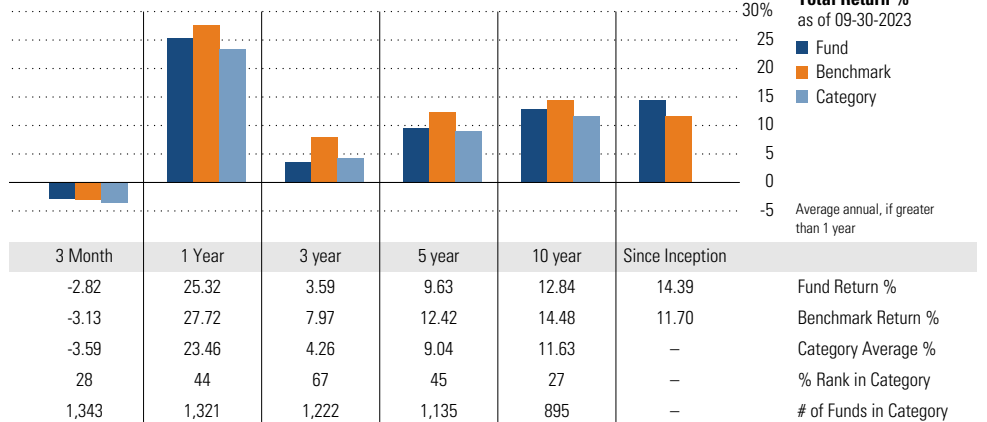
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

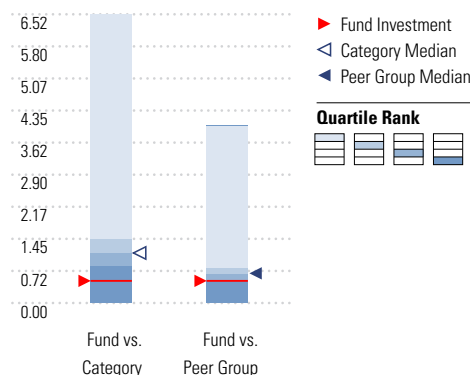
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-3.82	-	-3.72
Beta	0.95	-	0.97
R-Squared	97.31	-	91.78
Standard Deviation	20.07	20.81	21.20
Sharpe Ratio	0.17	0.37	0.20
Tracking Error	3.44	-	6.04
Information Ratio	-1.27	-	-0.75
Up Capture Ratio	88.96	-	87.74
Down Capture Ratio	101.78	-	100.10

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	36.83	32.24	30.95
Price/Book Ratio	8.45	10.54	7.97
Geom Avg Mkt Cap \$B	334.81	399.08	418.79
ROE	31.68	39.31	33.78

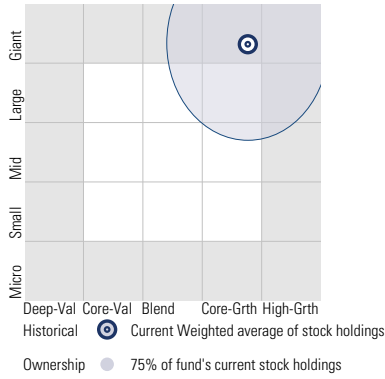
MFS Growth R6 MFEKX

Morningstar Category
Large Growth

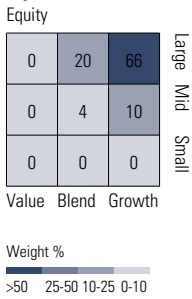
Morningstar Index
Russell 1000 Growth TR USD

Style Analysis as of 09-30-2023

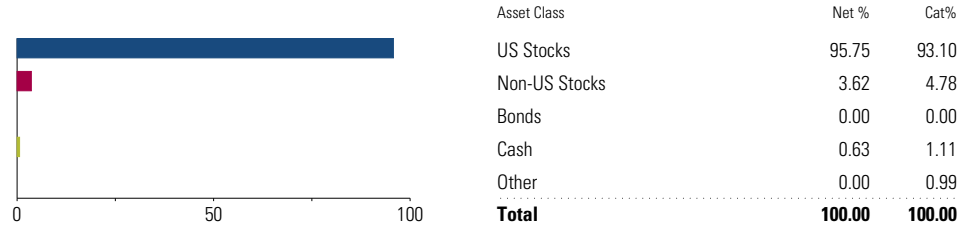
Morningstar Style Box™



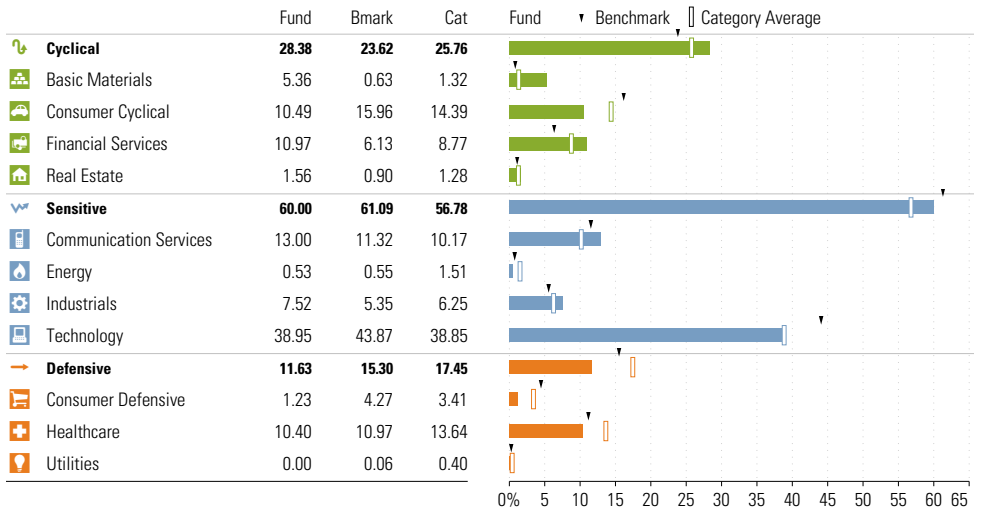
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Microsoft Corp	13.43	13.43	32.51	Technology
Alphabet Inc Class A	6.22	19.65	48.32	Communication Svc
Apple Inc	6.22	25.87	32.32	Technology
Amazon.com Inc	5.95	31.82	51.33	Consumer Cyclical
NVIDIA Corp	5.80	37.63	197.74	Technology
Mastercard Inc Class A	3.72	41.35	14.35	Financial Services
Meta Platforms Inc Class A	3.66	45.01	149.47	Communication Svc
Visa Inc Class A	3.12	48.12	11.36	Financial Services
Vulcan Materials Co	1.85	49.97	16.10	Basic Materials
Boston Scientific Corp	1.84	51.81	14.11	Healthcare
Verisk Analytics Inc	1.71	53.52	34.49	Industrials
MSCI Inc	1.68	55.19	11.19	Financial Services
Alphabet Inc Class C	1.67	56.86	48.60	Communication Svc
Vertex Pharmaceuticals Inc	1.63	58.49	20.42	Healthcare
Cadence Design Systems Inc	1.55	60.04	45.85	Technology

Total Holdings 73

⊕ Increase ⊖ Decrease ✨ New to Portfolio

MFS International Equity R6

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 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 0.68 is 21.84% lower than the Foreign Large Blend category average.

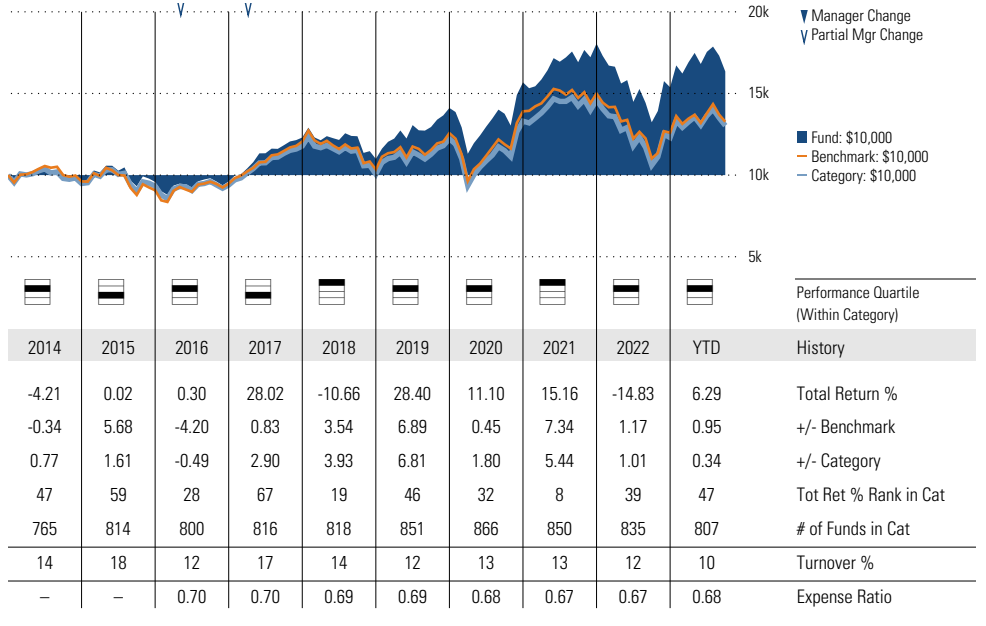
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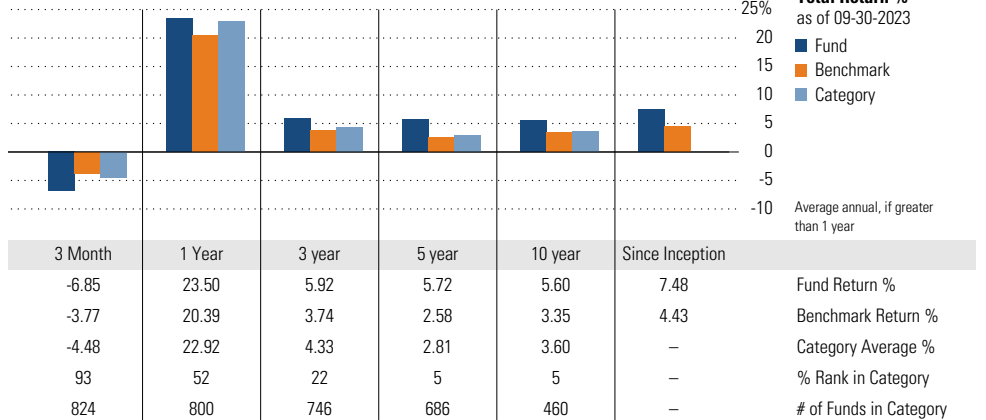
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	2-Basic	02-15-2022

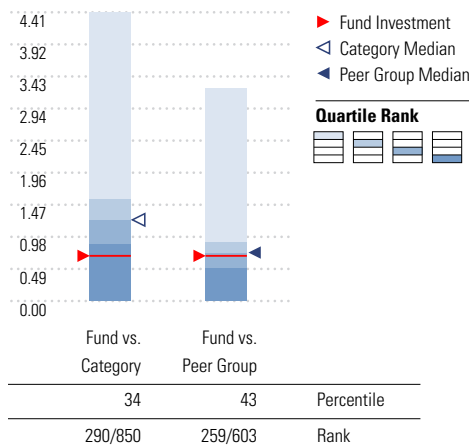
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	2.10	-	0.38
Beta	1.05	-	1.03
R-Squared	91.87	-	93.49
Standard Deviation	18.83	17.19	18.35
Sharpe Ratio	0.29	0.18	0.20
Tracking Error	5.44	-	4.70
Information Ratio	0.40	-	0.11
Up Capture Ratio	113.87	-	106.23
Down Capture Ratio	105.96	-	105.46

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	18.99	13.48	14.20
Price/Book Ratio	2.63	1.67	1.88
Geom Avg Mkt Cap \$B	66.61	42.75	56.55
ROE	18.17	17.72	20.14

MFS International Equity R6

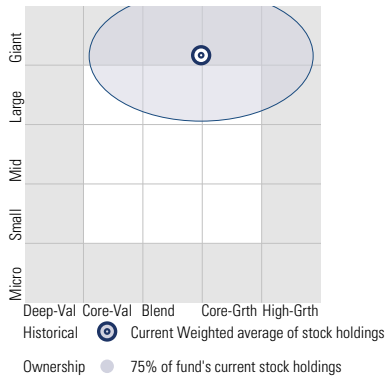
MIEIX

Morningstar Category
Foreign Large Blend

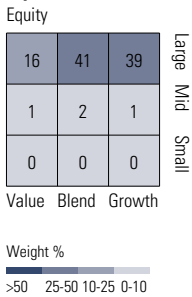
Morningstar Index
MSCI ACWI Ex USA NR USD

Style Analysis as of 09-30-2023

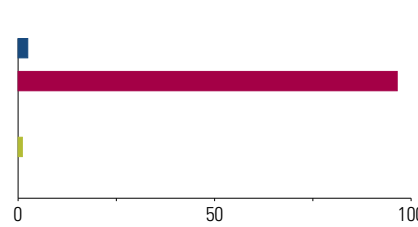
Morningstar Style Box™



Style Breakdown

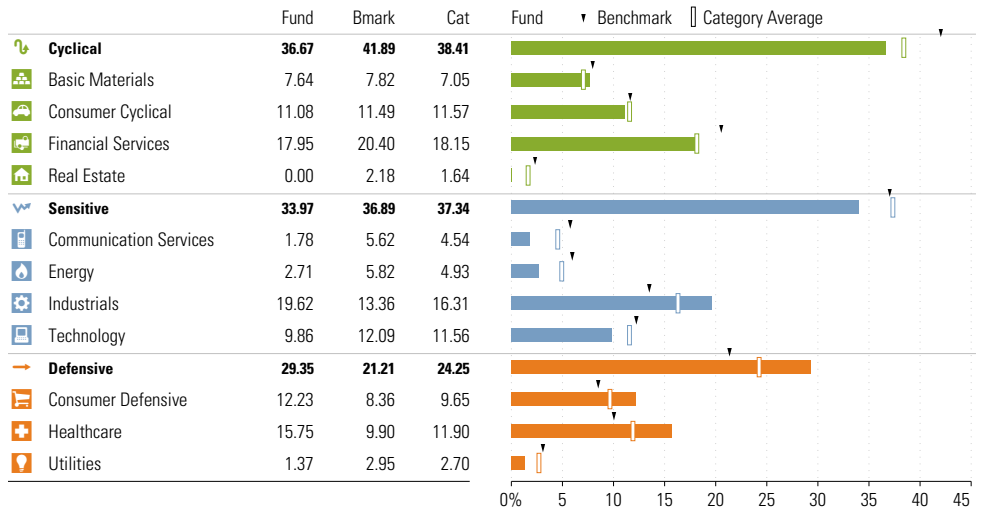


Asset Allocation as of 09-30-2023

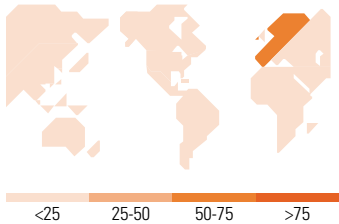


Asset Class	Net %	Cat%
US Stocks	2.46	3.46
Non-US Stocks	96.46	93.89
Bonds	0.00	0.22
Cash	1.08	0.97
Other	0.00	1.45
Total	100.00	100.00

Sector Weighting as of 09-30-2023



World Regions % Equity 09-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	23.91	35.08	Americas	6.45	8.51	Greater Europe	69.64	56.41	Developed Markets	95.55
Japan	14.48	18.59	North America	6.45	7.23	United Kingdom	12.08	13.72	Emerging Markets	4.45
Australasia	0.00	4.86	Central/Latin	0.00	1.28	W euro-ex UK	56.29	41.70	Not Available	0.00
Asia-4 Tigers	4.98	6.61				Emrgng Europe	0.00	0.07		
Asia-ex 4 Tigers	4.45	5.02				Africa	1.27	0.92		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Nestle SA	3.36	3.36	-	Consumer Defensive
⊕ Air Liquide SA	2.95	6.32	-	Basic Materials
⊕ LVMH Moet Hennessy Louis Vuitton SE	2.71	9.02	-	Consumer Cyclical
⊕ Schneider Electric SE	2.68	11.70	-	Industrials
⊕ Roche Holding AG	2.56	14.26	-	Healthcare
⊖ Hitachi Ltd	2.26	16.52	-	Industrials
⊕ SAP SE	2.13	18.65	-	Technology
⊕ Compagnie Financiere Richemont SA Class A	2.09	20.74	-	Consumer Cyclical
⊕ Novo Nordisk A/S Class B	1.97	22.71	-	Healthcare
⊕ Compass Group PLC	1.95	24.66	-	Consumer Cyclical

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 9.02 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.63 is 14.86% lower than the Global Bond-USD Hedged category average.

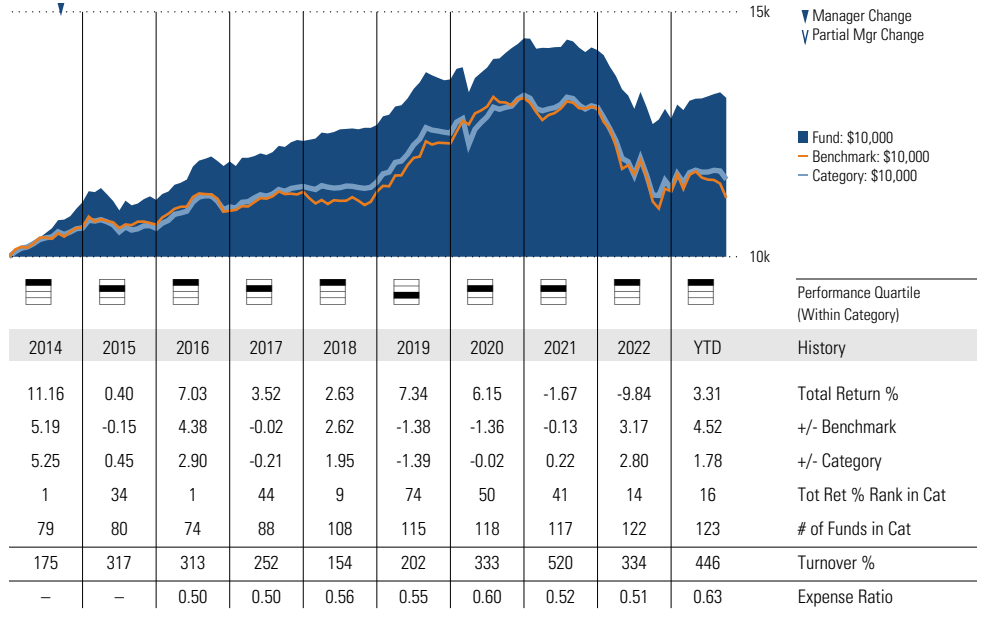
Morningstar Investment Management LLC Analysis

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.

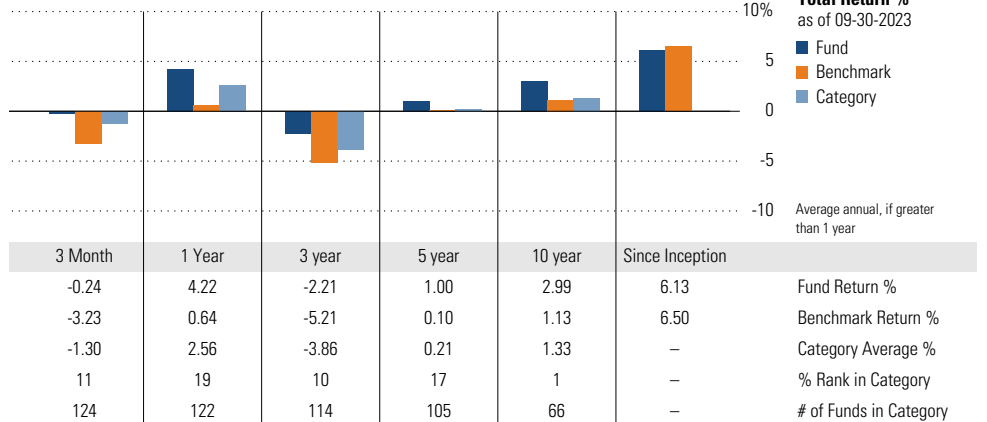
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023

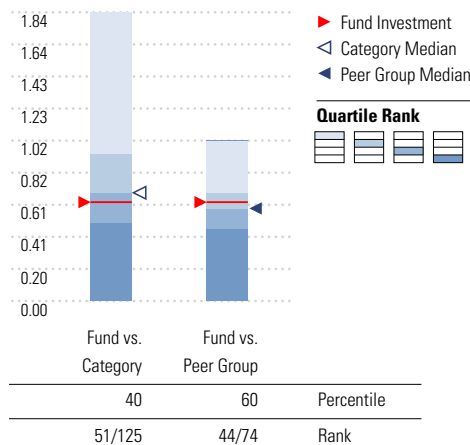
Growth of \$10,000



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	0.82	-	0.33
Beta	0.58	-	0.82
R-Squared	69.07	-	79.52
Standard Deviation	4.30	6.20	5.70
Sharpe Ratio	-0.98	-1.16	-1.06
Tracking Error	3.55	-	3.02
Information Ratio	0.84	-	0.44
Up Capture Ratio	61.42	-	85.16
Down Capture Ratio	52.17	-	80.82

Portfolio Metrics

Metric	Fund	Bmark	Cat
Avg Eff Duration	6.10	4.43	5.90
Avg Eff Maturity	7.33	-	7.58

PIMCO International Bond (USD-Hdg) Instl PFORX

Morningstar Category
Global Bond-USD Hedged

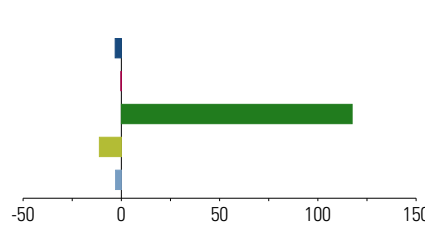
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023

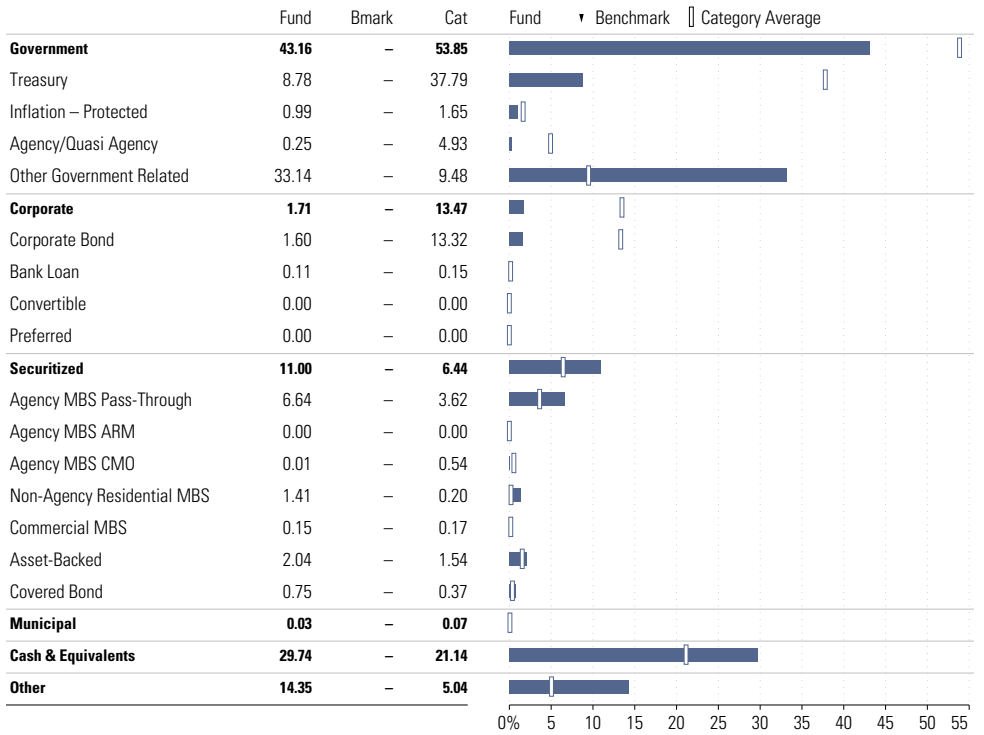


Asset Class	Net %	Cat%
US Stocks	-3.15	0.00
Non-US Stocks	-0.21	0.00
Bonds	117.44	96.60
Cash	-11.18	3.35
Other	-2.92	0.04
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	52.86	3.53	43.26
AA	16.62	74.59	16.10
A	16.00	10.82	19.14
BBB	11.32	8.32	20.17
BB	1.25	0.28	4.86
B	0.31	0.00	1.22
Below B	1.64	0.00	0.45
Not Rated	0.00	2.46	-5.21

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Offset: Unsettled Trades	-	26.13	26.13	-
⊕ IRS EUR 3.00000 09/20/23-5Y LCH Pay	09-2028	23.18	49.31	-
⊕ IRS EUR 3.00000 09/20/23-5Y LCH Receive	09-2028	22.96	72.26	-
⊕ IRS EUR 3.00000 09/20/23-10Y LCH Receive	09-2033	15.09	87.36	-
⊕ IRS EUR 3.00000 09/20/23-10Y LCH Pay	09-2033	15.07	102.43	-
✳ Cash Offset	-	14.85	117.28	-
⊕ Pimco Fds	08-2023	10.61	127.89	-
⊕ OIS CAD CAONREPO/3.50000 05/10/24-1Y LCH Pay	05-2025	10.38	138.28	-
⊕ OIS CAD CAONREPO/3.50000 05/10/24-1Y LCH Receive	05-2025	10.28	148.55	-
⊖ Euro Bobl Future Sept 23	09-2023	10.14	158.69	-

Total Holdings 1673

⊕ 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 12.75 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.47 is 11.9% higher than the Ultrashort Bond category average.

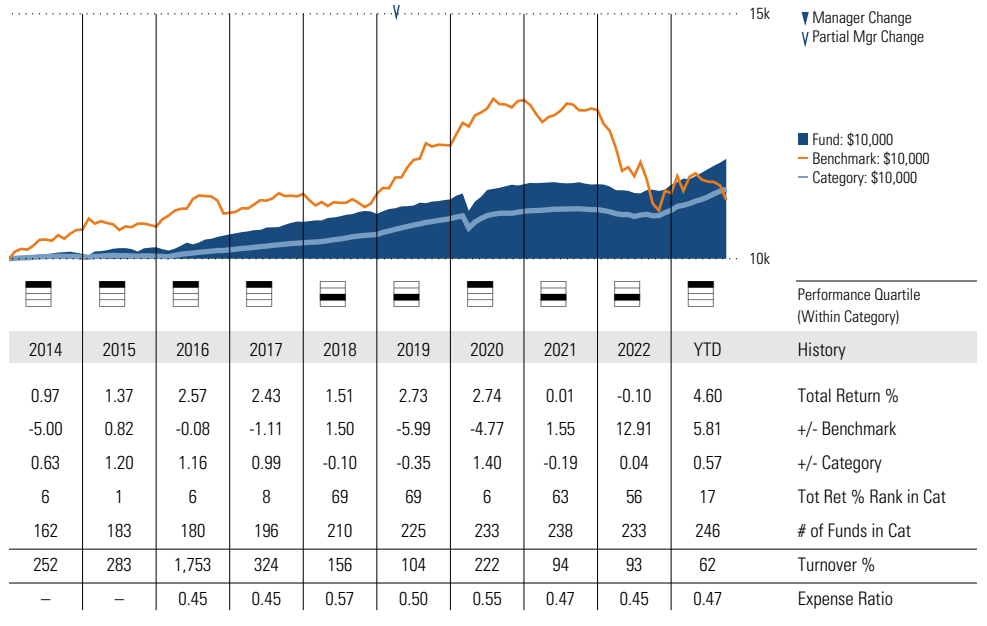
Morningstar Investment Management LLC Analysis

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

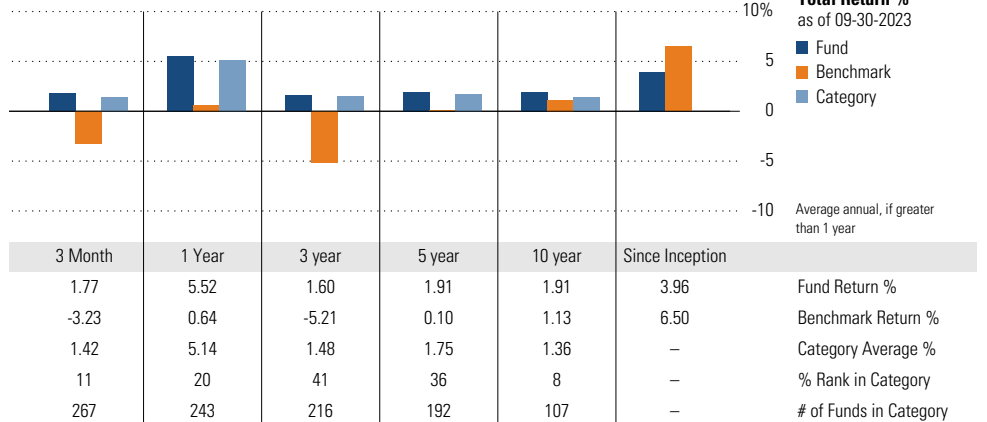
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023

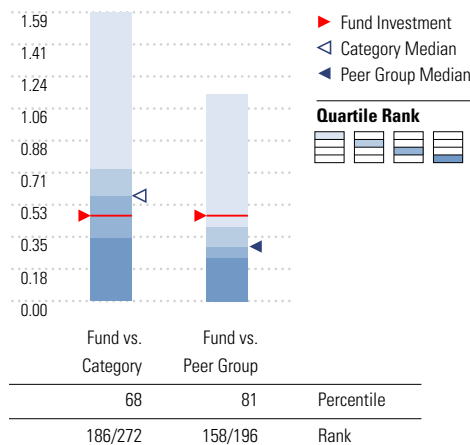
Growth of \$10,000



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	1.60	-	1.85
Beta	0.00	-	0.08
R-Squared	0.00	-	21.31
Standard Deviation	1.21	6.20	1.08
Sharpe Ratio	-0.48	-1.16	-0.98
Tracking Error	6.31	-	5.82
Information Ratio	1.08	-	1.15
Up Capture Ratio	4.88	-	15.49
Down Capture Ratio	-11.90	-	-5.01

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	0.19	4.43	0.70
Avg Eff Maturity	-	-	1.94

PIMCO Short-Term Instl PTSHX

Morningstar Category
Ultrashort Bond

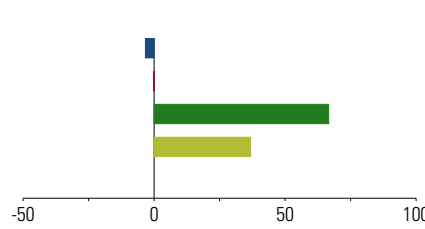
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	-3.32	0.10
Non-US Stocks	-0.13	0.00
Bonds	66.64	71.51
Cash	36.82	28.31
Other	0.00	0.10
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	55.34	3.53	47.87
AA	4.08	74.59	8.37
A	16.68	10.82	21.90
BBB	23.41	8.32	16.09
BB	0.14	0.28	0.89
B	0.17	0.00	0.42
Below B	0.17	0.00	0.09
Not Rated	0.00	2.46	4.38

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
✳ Offset: Unsettled Trades	-	29.90	29.90	-
✳ Cash Offset	-	25.15	55.05	-
⊖ CDX IG40 5Y ICE	06-2028	16.16	71.21	-
⊕ United States Treasury Bills 0%	08-2023	10.40	81.61	-
⊕ United States Treasury Bills 0%	08-2023	10.13	91.75	-
⊕ United States Treasury Bills 0%	10-2023	6.18	97.93	-
⊖ US 5 Year Note (CBT) Sept13	09-2023	5.39	103.32	-
⊖ AUSTRALIAN DOLLARS Sold	08-2023	3.12	106.44	-
⊖ AUSTRALIAN DOLLARS Purchased	08-2023	3.12	109.56	-
⊕ U S TREASURY REPO	07-2023	2.82	112.38	-

Total Holdings 1063

⊕ 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
Nick Birkett since 08-2023
Aaron Choi since 08-2023

Quantitative Screens

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

✔ **Management:** The fund's management has been in place for 7.43 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 94.67% 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	08-31-2023
Carbon Risk Score	Low Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

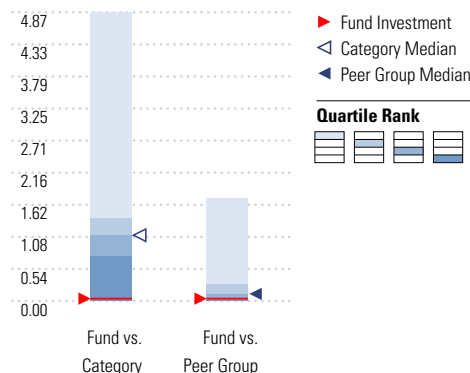
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

Metric	Fund	Bmark	Cat
Alpha	-0.04	-	-0.66
Beta	1.00	-	0.95
R-Squared	100.00	-	94.61
Standard Deviation	17.85	17.85	17.40
Sharpe Ratio	0.51	0.52	0.45
Tracking Error	0.01	-	3.74
Information Ratio	-4.76	-	-1.15
Up Capture Ratio	99.93	-	93.16
Down Capture Ratio	100.07	-	95.77

Portfolio Metrics

Metric	Fund	Bmark	Cat
Price/Earnings Ratio	22.41	22.40	22.25
Price/Book Ratio	3.99	3.98	4.46
Geom Avg Mkt Cap \$B	228.88	228.69	275.77
ROE	30.78	30.76	29.52

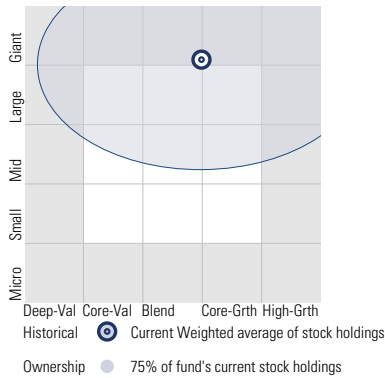
Vanguard 500 Index Admiral VFIAX

Morningstar Category
Large Blend

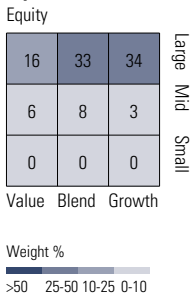
Morningstar Index
S&P 500 TR USD

Style Analysis as of 09-30-2023

Morningstar Style Box™



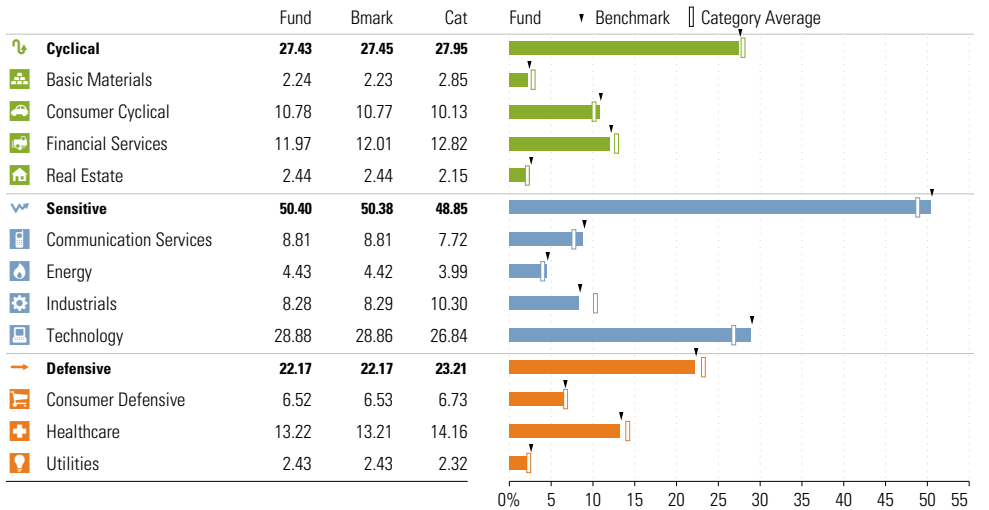
Style Breakdown



Asset Allocation as of 09-30-2023



Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Apple Inc	7.35	7.35	32.32	Technology
⊕ Microsoft Corp	6.45	13.81	32.51	Technology
⊕ Amazon.com Inc	3.26	17.07	51.33	Consumer Cyclical
⊕ NVIDIA Corp	3.23	20.30	197.74	Technology
⊕ Alphabet Inc Class A	2.14	22.44	48.32	Communication Svc
⊕ Alphabet Inc Class C	1.86	24.30	48.60	Communication Svc
⊕ Tesla Inc	1.84	26.14	103.13	Consumer Cyclical
⊕ Meta Platforms Inc Class A	1.73	27.87	149.47	Communication Svc
⊕ Berkshire Hathaway Inc Class B	1.70	29.57	13.40	Financial Services
⊕ Exxon Mobil Corp	1.19	30.76	9.08	Energy
⊕ UnitedHealth Group Inc	1.17	31.94	-3.88	Healthcare
⊕ Eli Lilly and Co	1.16	33.10	47.75	Healthcare
⊕ JPMorgan Chase & Co	1.13	34.23	10.38	Financial Services
⊕ Visa Inc Class A	1.05	35.27	11.36	Financial Services
⊖ Johnson & Johnson	1.03	36.30	-9.84	Healthcare

Total Holdings 510

⊕ 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 83.87% lower than the Inflation-Protected Bond category average.

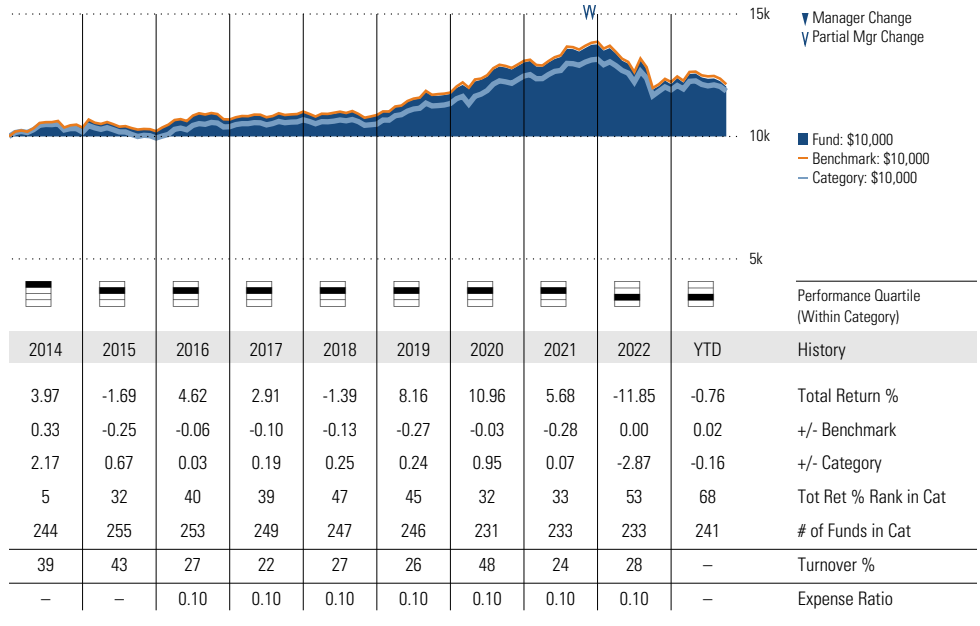
Morningstar Investment Management LLC Analysis

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	08-31-2023

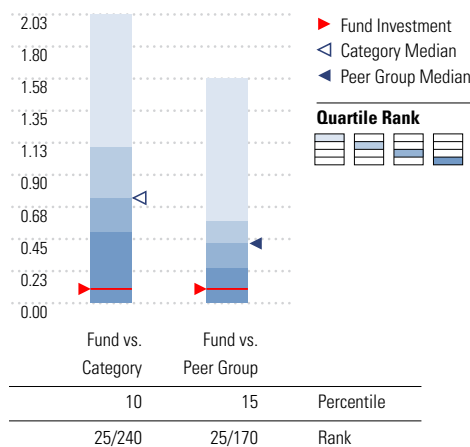
Growth of \$10,000



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	-0.10	-	0.39
Beta	0.99	-	0.89
R-Squared	99.72	-	93.36
Standard Deviation	6.81	6.86	6.33
Sharpe Ratio	-0.56	-0.55	-0.44
Tracking Error	0.37	-	1.95
Information Ratio	-0.23	-	-0.07
Up Capture Ratio	98.80	-	90.18
Down Capture Ratio	99.91	-	86.17

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	6.85	4.52	5.88
Avg Eff Maturity	7.30	-	6.75

Vanguard Inflation-Protected Secs Adm VAIPX

Morningstar Category
Inflation-Protected Bond

Morningstar Index
Bloomberg US Treasury US TIPS TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	0.00	0.11
Non-US Stocks	0.00	0.00
Bonds	99.11	99.64
Cash	0.89	-0.10
Other	0.00	0.36
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	99.91	0.00	88.72
AA	0.00	99.60	3.39
A	0.00	0.00	1.89
BBB	0.00	0.00	2.59
BB	0.00	0.00	1.01
B	0.00	0.00	0.58
Below B	0.00	0.00	0.20
Not Rated	0.09	0.40	1.62

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
⊖ United States Treasury Notes	-	3.66	3.66	-
⊖ United States Treasury Notes	-	3.41	7.07	-
⊕ United States Treasury Notes	-	3.32	10.39	-
⊖ United States Treasury Notes	-	3.24	13.63	-
⊖ United States Treasury Notes	-	3.21	16.84	-
United States Treasury Notes	-	3.10	19.94	-
⊖ United States Treasury Notes	-	3.03	22.97	-
⊖ United States Treasury Notes	-	3.02	26.00	-
⊖ United States Treasury Notes	-	2.97	28.97	-
⊖ United States Treasury Notes	-	2.96	31.93	-

Total Holdings 58

⊕ 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 7 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 13.35 years.

✘ **Style:** The fund has landed in its primary style box — Large Value — 41.67 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.38 is 60.82% lower than the Foreign Large Value category average.

Morningstar Investment Management LLC Analysis

This fund fails the style consistency screen. Its largest underlying subadvisor employs a relative value approach, which can include more growth-leaning stocks, causing the fund to plot near the border of the value and blend column in the Morningstar Stylebox.

ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022

Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	1.95	-	3.13
Beta	1.03	-	0.99
R-Squared	91.86	-	89.42
Standard Deviation	19.53	18.23	19.11
Sharpe Ratio	0.37	0.28	0.43
Tracking Error	5.59	-	6.38
Information Ratio	0.37	-	0.49
Up Capture Ratio	103.77	-	103.27
Down Capture Ratio	95.95	-	91.00

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	13.59	13.87	10.37
Price/Book Ratio	1.75	1.69	1.28
Geom Avg Mkt Cap \$B	32.88	47.39	36.88
ROE	16.60	18.84	15.89

Vanguard International Value Inv VTRIX

Morningstar Category
Foreign Large Value

Morningstar Index
MSCI EAFE NR USD

Style Analysis as of 09-30-2023

Morningstar Style Box™



Style Breakdown



Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	5.12	3.43
Non-US Stocks	90.05	94.75
Bonds	0.00	0.04
Cash	4.45	1.54
Other	0.38	0.22
Total	100.00	100.00

Sector Weighting as of 09-30-2023



World Regions % Equity 09-30-2023



Region	Fund %	Cat %	Region	Fund %	Cat %	Region	Fund %	Cat %	Market Maturity	Fund %
Greater Asia	39.15	30.58	Americas	12.07	9.36	Greater Europe	48.77	60.05	Developed Markets	81.22
Japan	12.25	16.72	North America	7.96	8.12	United Kingdom	14.74	17.06	Emerging Markets	18.78
Australasia	0.57	3.68	Central/Latin	4.11	1.24	W euro-ex UK	33.73	42.12	Not Available	0.00
Asia-4 Tigers	11.87	7.21				Emrgng Europe	0.00	0.11		
Asia-ex 4 Tigers	14.46	2.97				Africa	0.30	0.76		
Not Classified	0.00	0.00								

Top 10 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Mktliq 12/31/2049	3.70	3.70	-	-
Alibaba Group Holding Ltd Ordinary Shares	1.82	5.52	-	Consumer Cyclical
⊖ HSBC Holdings PLC	1.63	7.15	-	Financial Services
⊖ Holcim Ltd	1.53	8.68	-	Basic Materials
⊖ Airbus SE	1.50	10.18	-	Industrials
AIA Group Ltd	1.48	11.67	-	Financial Services
BP PLC	1.47	13.14	-	Energy
⊕ Ryanair Holdings PLC ADR	1.39	14.53	30.03	Industrials
⊕ Roche Holding AG	1.31	15.84	-	Healthcare
⊕ Taiwan Semiconductor Manufacturing Co Ltd	1.30	17.14	-	Technology

Total Holdings 229

⊕ 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
 Aurélie Denis since 02-2023
 Aaron Choi since 08-2023

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 10.61 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 93.4% lower than the Mid-Cap Growth category average.

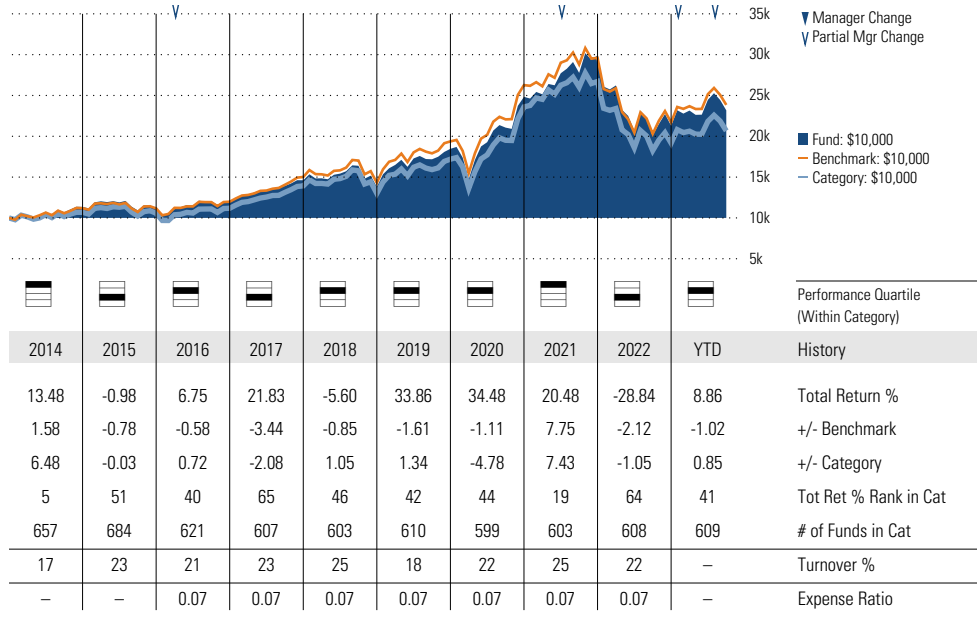
Morningstar Investment Management LLC Analysis

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.

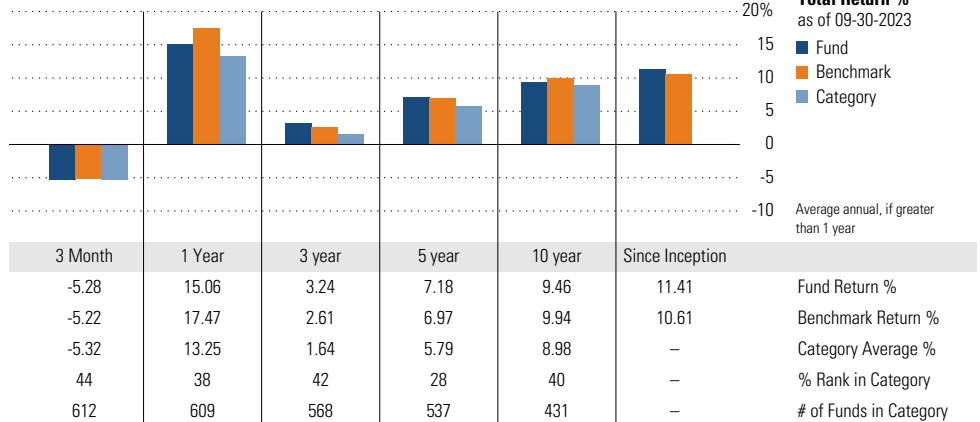
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	3	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

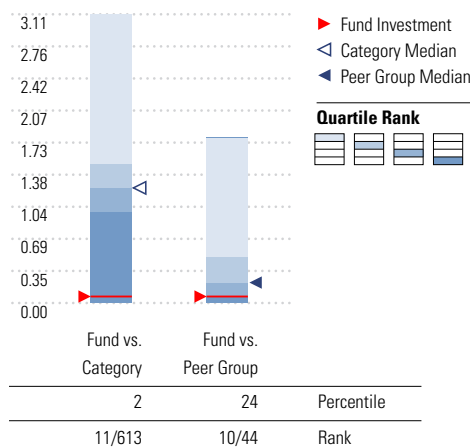
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.65	-	-1.41
Beta	1.00	-	0.98
R-Squared	98.39	-	90.19
Standard Deviation	21.38	21.11	22.04
Sharpe Ratio	0.16	0.13	0.07
Tracking Error	2.71	-	6.86
Information Ratio	0.23	-	-0.38
Up Capture Ratio	103.31	-	96.49
Down Capture Ratio	101.25	-	102.58

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	25.91	26.49	27.73
Price/Book Ratio	4.89	7.98	5.01
Geom Avg Mkt Cap \$B	27.25	21.22	20.35
ROE	17.37	22.49	15.69

Vanguard Mid-Cap Growth Index Admiral VMGMX

Morningstar Category

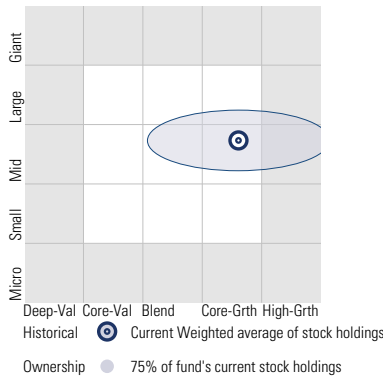
Mid-Cap Growth

Morningstar Index

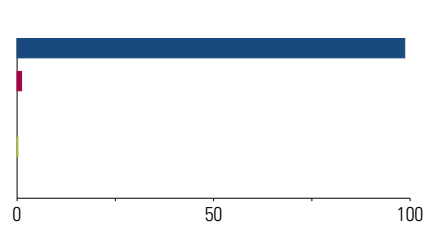
Russell Mid Cap Growth TR USD

Style Analysis as of 09-30-2023

Morningstar Style Box™



Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	98.64	93.49
Non-US Stocks	1.14	4.04
Bonds	0.00	0.11
Cash	0.22	1.74
Other	0.00	0.64
Total	100.00	100.00

Sector Weighting as of 09-30-2023

	Fund	Bmark	Cat	Fund	Benchmark	Category Average
Cyclical	25.34	23.46	27.40			
Basic Materials	3.22	0.90	2.45			
Consumer Cyclical	9.47	12.36	13.04			
Financial Services	5.99	8.56	8.92			
Real Estate	6.66	1.64	2.99			
Sensitive	58.13	52.20	49.61			
Communication Services	5.07	3.54	3.47			
Energy	6.68	4.19	2.81			
Industrials	16.59	18.06	16.51			
Technology	29.79	26.41	26.82			
Defensive	16.51	24.35	23.00			
Consumer Defensive	1.71	3.14	2.71			
Healthcare	14.80	20.77	19.68			
Utilities	0.00	0.44	0.61			

Style Breakdown



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊕ Amphenol Corp Class A	1.70	1.70	11.14	Technology
⊕ Motorola Solutions Inc	1.54	3.24	6.66	Technology
⊕ TransDigm Group Inc	1.52	4.76	33.90	Industrials
⊕ Arista Networks Inc	1.46	6.22	51.57	Technology
⊕ Microchip Technology Inc	1.45	7.67	12.74	Technology
⊕ Cintas Corp	1.41	9.08	7.32	Industrials
⊕ Hess Corp	1.38	10.46	8.81	Energy
⊕ ON Semiconductor Corp	1.37	11.83	49.03	Technology
⊕ Old Dominion Freight Line Inc Ordinary Shares	1.36	13.20	44.60	Industrials
⊕ MSCI Inc	1.34	14.54	11.19	Financial Services
⊕ IQVIA Holdings Inc	1.34	15.87	-3.97	Healthcare
⊕ Welltower Inc	1.33	17.20	27.77	Real Estate
⊕ DexCom Inc	1.27	18.47	-17.61	Healthcare
⊕ Copart Inc	1.24	19.71	41.53	Industrials
⊕ Realty Income Corp	1.22	20.93	-17.66	Real Estate

Total Holdings 165

⊕ 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
 Aurélie Denis since 02-2023
 Aaron Choi since 08-2023

Quantitative Screens

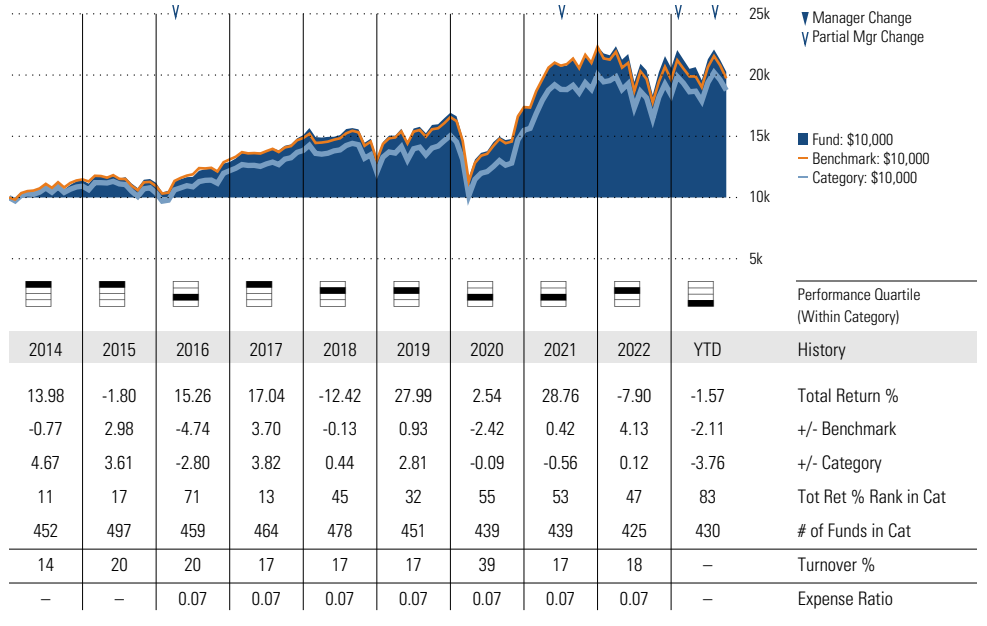
Performance: The fund has finished in the Mid-Cap Value category's top three quartiles in 9 of the 10 years it's been in existence.

Management: The fund's management has been in place for 17.13 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 92.78% lower than the Mid-Cap Value category average.

Growth of \$10,000



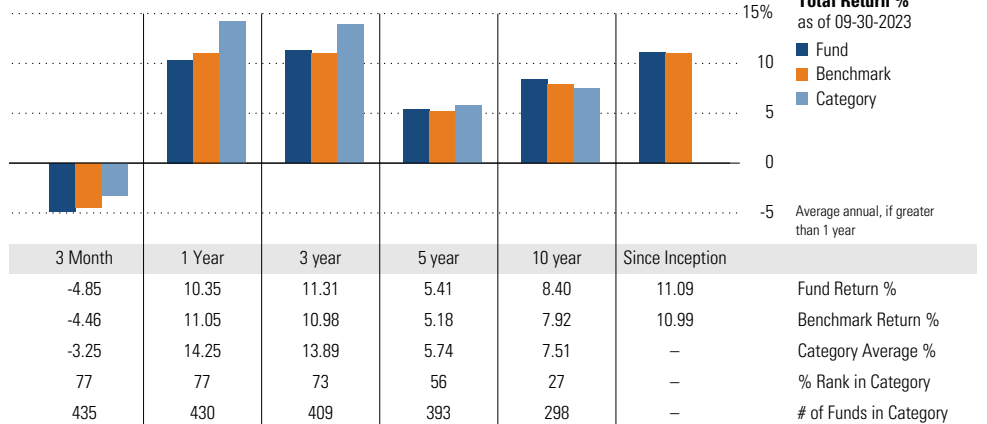
Morningstar Investment Management LLC Analysis

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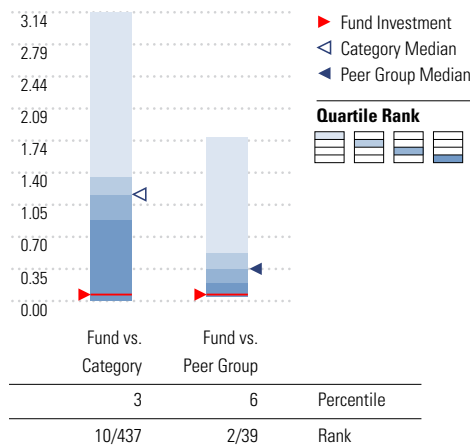
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	0.65	-	2.65
Beta	0.96	-	0.98
R-Squared	98.69	-	94.38
Standard Deviation	19.22	19.86	19.94
Sharpe Ratio	0.54	0.52	0.63
Tracking Error	2.32	-	4.81
Information Ratio	0.14	-	0.55
Up Capture Ratio	98.13	-	100.27
Down Capture Ratio	96.15	-	90.56

Portfolio Metrics

	Fund	Bmark	Cat
Price/Earnings Ratio	16.14	15.63	14.80
Price/Book Ratio	2.08	2.12	1.91
Geom Avg Mkt Cap \$B	22.72	17.17	13.33
ROE	17.07	13.69	14.35

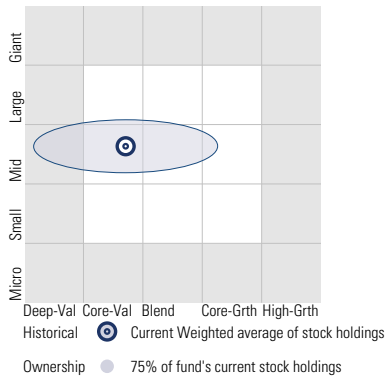
Vanguard Mid-Cap Value Index Admiral VMVAX

Morningstar Category
Mid-Cap Value

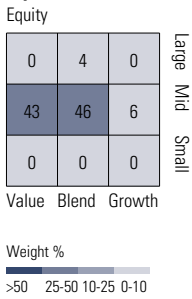
Morningstar Index
Russell Mid Cap Value TR USD

Style Analysis as of 09-30-2023

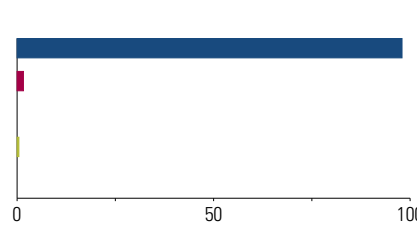
Morningstar Style Box™



Style Breakdown

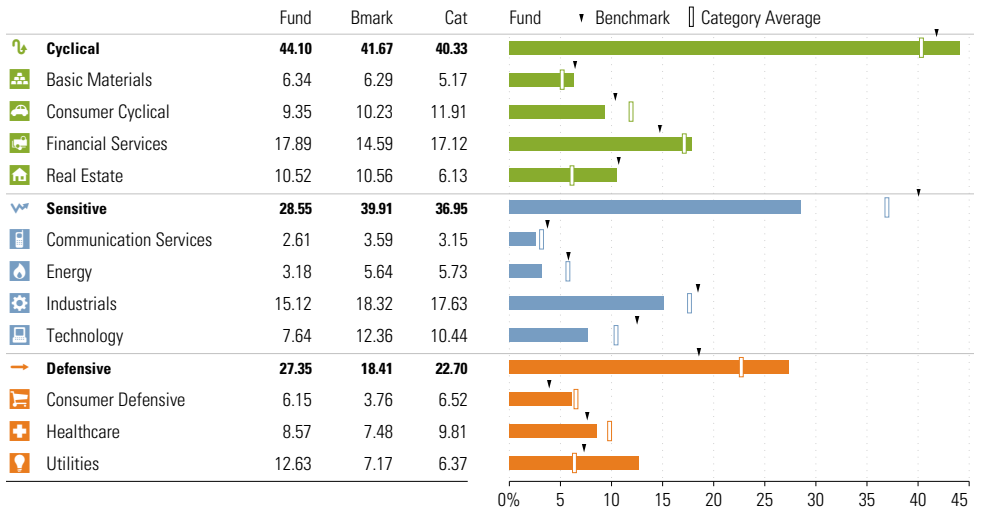


Asset Allocation as of 09-30-2023



Asset Class	Net %	Cat%
US Stocks	97.94	90.26
Non-US Stocks	1.61	7.17
Bonds	0.00	0.01
Cash	0.45	2.08
Other	0.00	0.49
Total	100.00	100.00

Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
Arthur J. Gallagher & Co	1.52	1.52	21.77	Financial Services
Carrier Global Corp Ordinary Shares	1.48	3.01	34.72	Industrials
Nucor Corp	1.34	4.34	19.78	Basic Materials
PACCAR Inc	1.33	5.67	30.02	Industrials
Digital Realty Trust Inc	1.19	6.85	24.34	Real Estate
PG&E Corp	1.18	8.04	-0.80	Utilities
Baker Hughes Co Class A	1.13	9.17	21.57	Energy
D.R. Horton Inc	1.13	10.30	21.40	Consumer Cyclical
Rockwell Automation Inc	1.11	11.40	12.36	Industrials
Ameriprise Financial Inc	1.09	12.49	7.15	Financial Services
Corteva Inc	1.05	13.54	-12.18	Basic Materials
Centene Corp	1.04	14.59	-16.01	Healthcare
Global Payments Inc	1.02	15.61	16.94	Industrials
Ferguson PLC	1.02	16.63	-	Industrials
United Rentals Inc	1.01	17.65	26.33	Industrials

Total Holdings 195

⊕ 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 18.76 years.

✔ **Style:** The fund has landed in its primary style box — Small Growth — 81.25 % of the time over the past three years.

✔ **Net Expense:** The fund's expense ratio of 0.07 is 93.97% lower than the Small Growth category average.

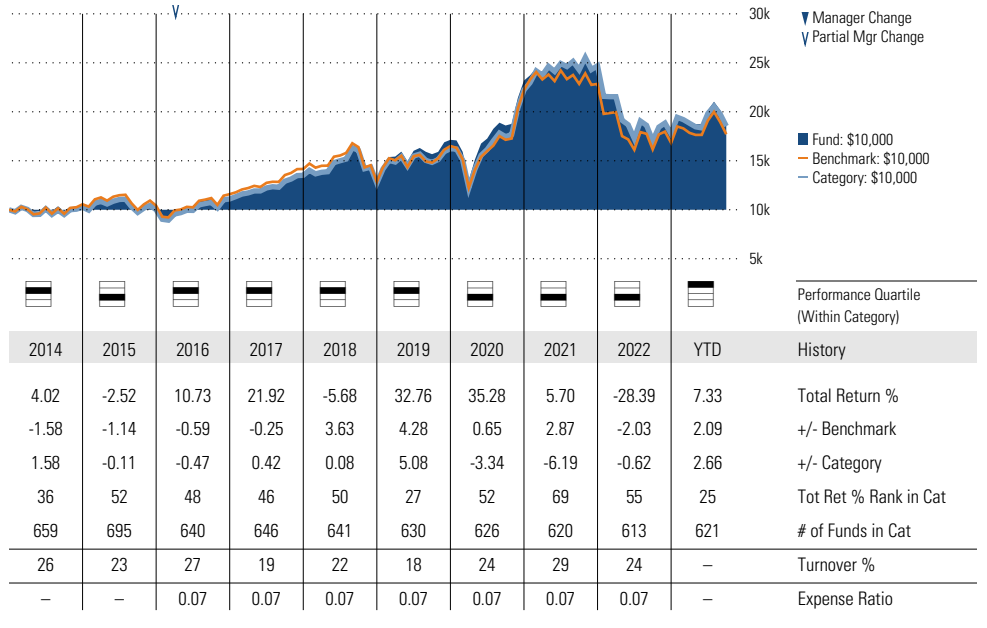
Morningstar Investment Management LLC Analysis

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.

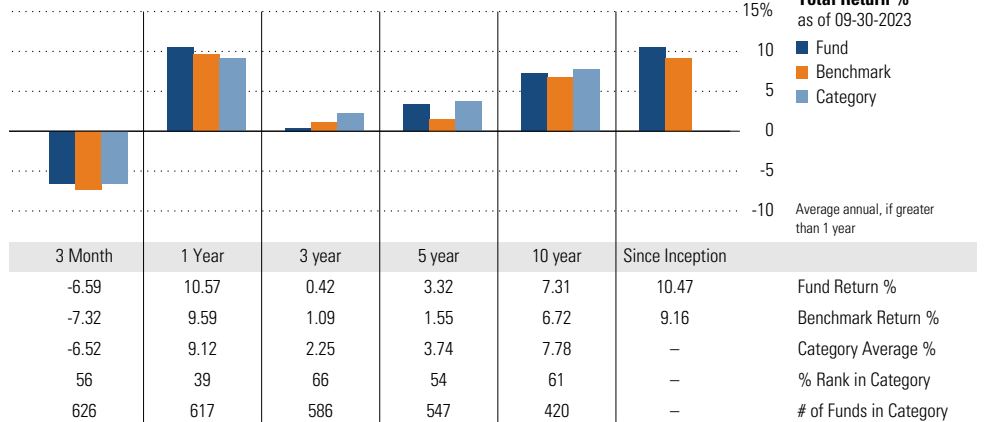
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	4	08-31-2023
Carbon Risk Score	Medium Risk	12-31-2022
ESG Commitment	1-Low	02-15-2022

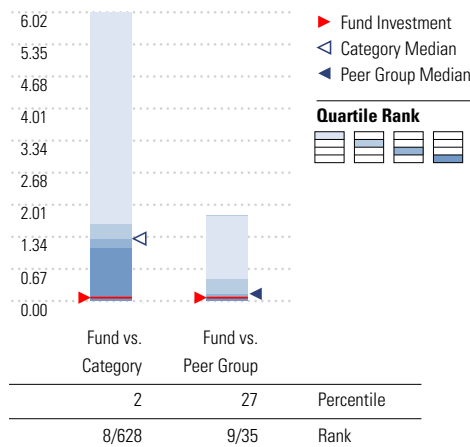
Growth of \$10,000



Trailing Performance



Net Expense



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

3-Year Risk Metrics

	Fund	Bmark	Cat
Alpha	-0.66	-	0.22
Beta	0.93	-	0.92
R-Squared	96.29	-	89.86
Standard Deviation	21.75	22.93	22.32
Sharpe Ratio	0.03	0.07	0.07
Tracking Error	4.48	-	7.45
Information Ratio	-0.15	-	-0.01
Up Capture Ratio	96.49	-	94.65
Down Capture Ratio	98.74	-	94.64

Portfolio Metrics

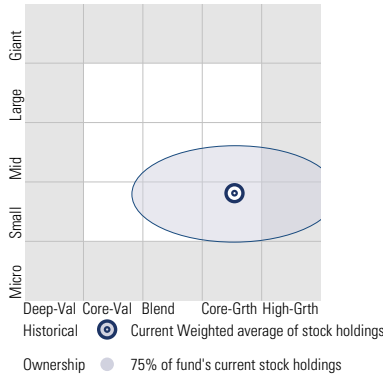
	Fund	Bmark	Cat
Price/Earnings Ratio	24.33	20.11	24.88
Price/Book Ratio	3.65	3.83	3.93
Geom Avg Mkt Cap \$B	5.91	2.75	5.46
ROE	9.62	9.52	14.27

Vanguard Small Cap Growth Index Admiral VSGAX

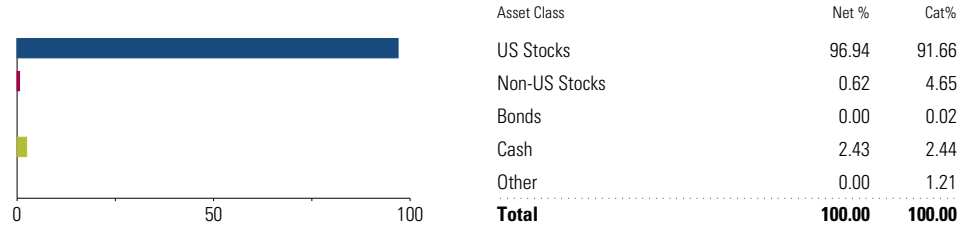
Morningstar Category
Small Growth

Morningstar Index
Russell 2000 Growth TR USD

Style Analysis as of 09-30-2023
Morningstar Style Box™



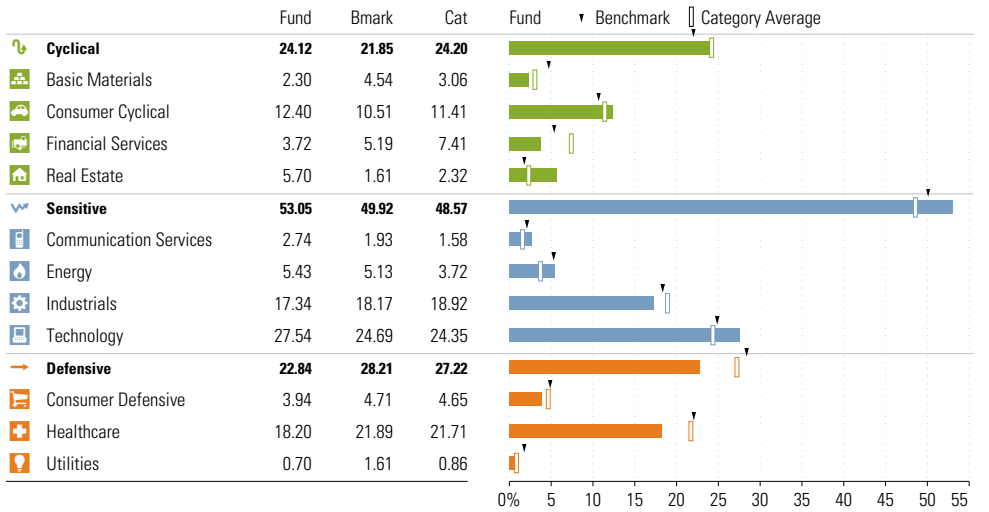
Asset Allocation as of 09-30-2023



Style Breakdown



Sector Weighting as of 09-30-2023



Top 15 Holdings as of 09-30-2023

Name	% Net Asset	Cumulative %	YTD Return %	Morningstar Sector
⊖ Slcmt1142	2.42	2.42	-	-
⊕ Fair Isaac Corp	1.02	3.44	45.10	Technology
⊕ Targa Resources Corp	0.93	4.37	18.46	Energy
⊕ PTC Inc	0.83	5.20	18.03	Technology
⊕ Entegris Inc	0.72	5.92	43.63	Technology
⊕ Exact Sciences Corp	0.72	6.64	37.79	Healthcare
⊕ Axon Enterprise Inc	0.71	7.35	19.92	Industrials
⊕ Deckers Outdoor Corp	0.66	8.02	28.79	Consumer Cyclical
⊕ Vertiv Holdings Co Class A	0.64	8.66	172.33	Industrials
⊕ Liberty Formula One Group Registered Shs Series -C- Formula One	0.64	9.30	6.23	Communication Svc
⊕ Lattice Semiconductor Corp	0.64	9.94	32.44	Technology
⊕ Graco Inc	0.60	10.54	9.40	Industrials
⊕ Nordson Corp	0.60	11.14	-5.29	Industrials
⊕ Manhattan Associates Inc	0.60	11.73	62.82	Technology
⊕ Bio-Techne Corp	0.59	12.32	-17.58	Healthcare

Total Holdings 652

⊕ 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 8 of the 10 years it's been in existence.

✔ **Management:** The fund's management has been in place for 16.76 years.

Style Consistency is not calculated for Fixed Income funds.

✔ **Net Expense:** The fund's expense ratio of 0.42 is 22.22% lower than the Intermediate Core Bond category average.

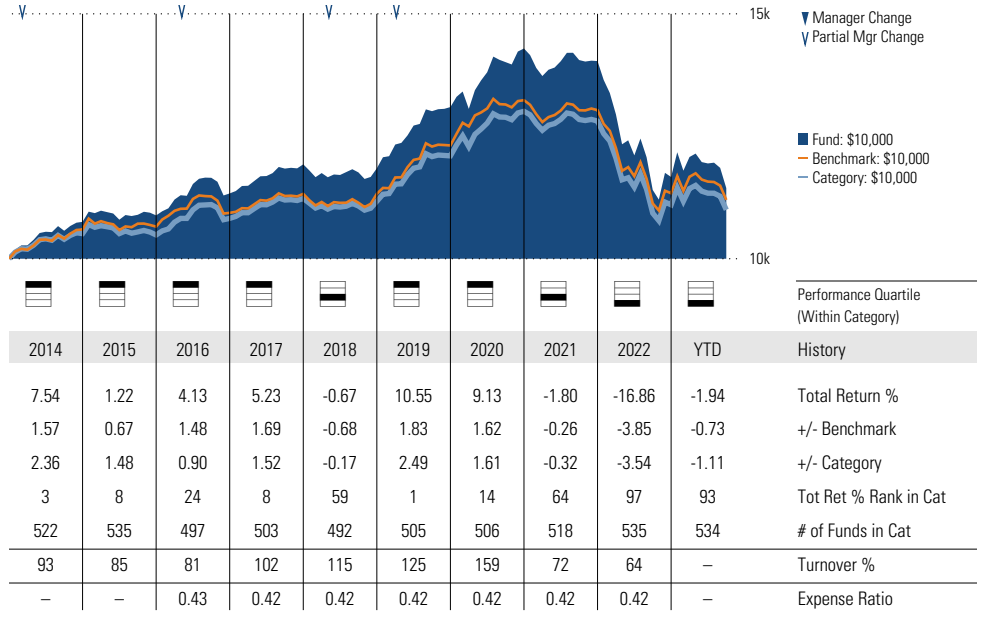
Morningstar Investment Management LLC Analysis

We are placing Western Asset Core Bond on watch due to persistent troubles with performance and risk management. The fund has experienced some periods of large losses, with 2022's nearly 17% loss looming large. The fund's Morningstar Risk rating is now High, and while some funds are able to deliver high returns for the bumpy ride, this fund has not been able to do so for quite some time. We are placing this fund on watch as we assess its place on the approved list.

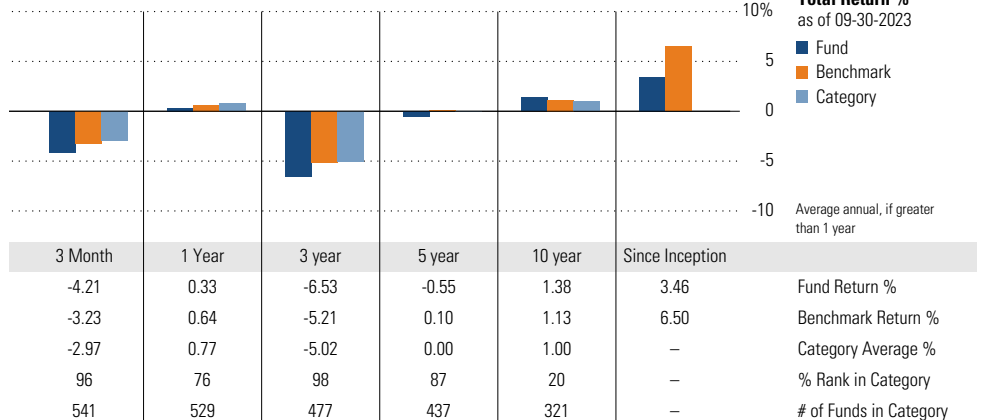
ESG Metrics

Metric	Rating	Updated
Sustainability Rating	2	08-31-2023

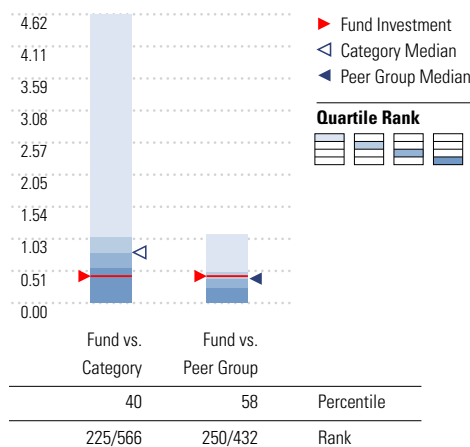
Growth of \$10,000



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	0.01	-	0.02
Beta	1.25	-	0.98
R-Squared	98.24	-	96.70
Standard Deviation	7.84	6.20	6.18
Sharpe Ratio	-1.08	-1.16	-1.15
Tracking Error	1.88	-	1.01
Information Ratio	-0.71	-	-0.10
Up Capture Ratio	123.84	-	97.41
Down Capture Ratio	124.75	-	97.57

Portfolio Metrics

	Fund	Bmark	Cat
Avg Eff Duration	7.38	4.43	6.10
Avg Eff Maturity	12.36	-	8.47

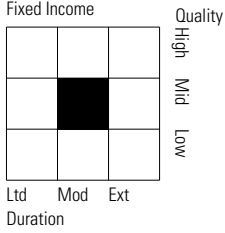
Western Asset Core Bond IS WACSX

Morningstar Category
Intermediate Core Bond

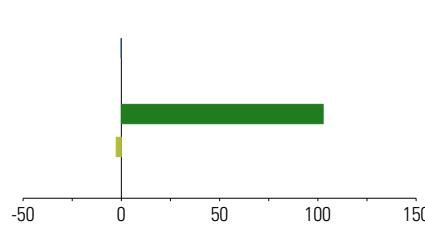
Morningstar Index
Bloomberg US Agg Bond TR USD

Style Analysis as of 09-30-2023

Style Breakdown



Asset Allocation as of 09-30-2023

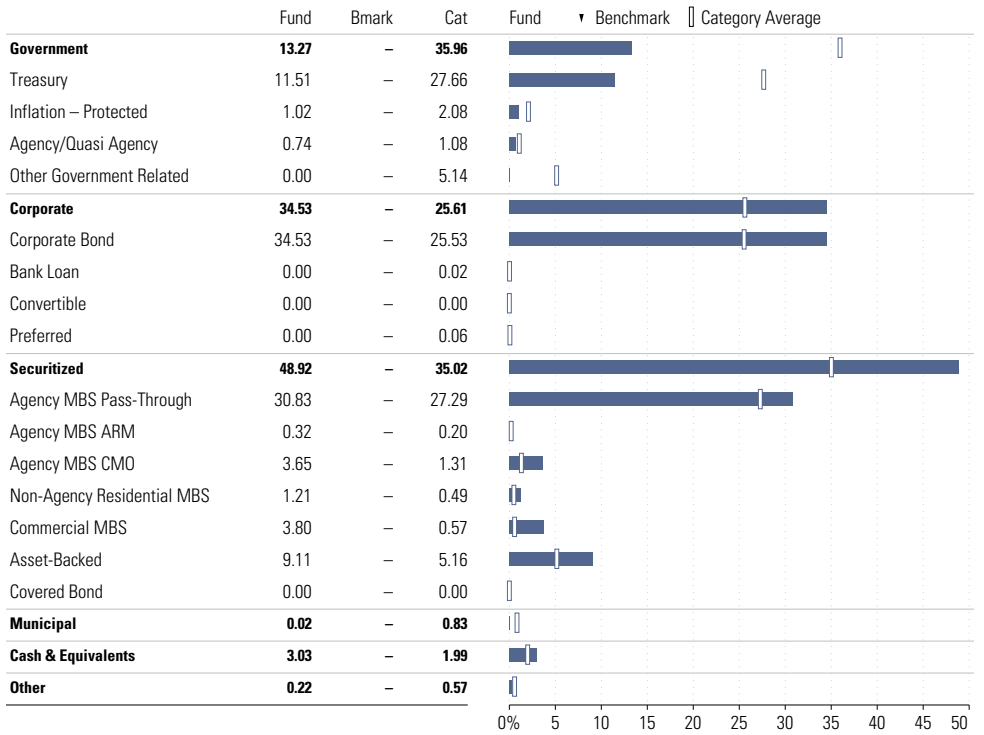


Asset Class	Net %	Cat%
US Stocks	-0.07	0.07
Non-US Stocks	0.00	0.00
Bonds	102.69	95.99
Cash	-2.63	2.17
Other	0.00	1.78
Total	100.00	100.00

Credit Rating Breakdown

	Fund	Bmark	Cat
AAA	62.16	3.53	56.04
AA	6.57	74.59	8.35
A	15.96	10.82	17.35
BBB	18.11	8.32	15.53
BB	0.58	0.28	1.06
B	0.03	0.00	0.38
Below B	0.00	0.00	0.18
Not Rated	-3.41	2.46	1.11

Sector Weighting as of 09-30-2023



Top 10 Holdings as of 09-30-2023

Name	Maturity Date	% Net Asset	Cumulative %	Fixed Income Sector
Trade Date Cash	-	5.55	5.55	-
Western Asset Prem Instl Govtt Rsrv Pref	-	3.07	8.62	-
United States Treasury Bonds 1.875%	-	1.25	9.87	-
United States Treasury Notes 1.125%	-	1.09	10.96	-
United States Treasury Bonds 4%	-	1.09	12.05	-
Federal National Mortgage Association 3%	-	0.86	12.91	-
United States Treasury Bonds 3.625%	-	0.83	13.74	-
United States Treasury Bonds 3.375%	-	0.77	14.50	-
Government National Mortgage Association 2.5%	-	0.74	15.25	-
United States Treasury Bonds 1.625%	-	0.74	15.98	-

Total Holdings 2721

⊕ Increase ⊖ Decrease ✱ New to Portfolio