

# Artisan International Institutional

**Ticker** APHIX **Yield** 1.4% **Total Assets** \$13,516 mil **Mstar Category** Foreign Large Growth

**Benchmark 1:** MSCI ACWI Ex USA Growth NR USD  
**Benchmark 2:** MSCI ACWI Ex USA NR USD

**Morningstar Analyst Rating** 06-08-16

**Silver**

### Morningstar Pillars

Process	⊕ Positive
Performance	⊕ Positive
People	⊕ Positive
Parent	⊕ Positive
Price	⊖ Negative

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

⊕ Positive ⊖ Negative ● Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	6.11	0.00	10.03	7.47	25.47
2014	-1.76	5.41	-4.66	0.53	-0.74
2015	4.28	-0.41	-13.16	6.86	-3.63
2016	-3.57	-1.22	3.78	-8.36	-9.41
2017	9.01	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
3 Mo	9.01	-0.12	1.15	54	10,901
6 Mo	-0.11	-3.00	-6.61	96	9,989
1 Yr	2.41	-7.22	-10.73	96	10,241
3 Yr Avg	-1.30	-2.85	-1.86	88	9,615
5 Yr Avg	5.20	0.36	0.84	61	12,886
10 Yr Avg	2.29	0.32	0.93	45	12,537
15 Yr Avg	5.92	-0.16	-0.38	49	23,689

### Tax Analysis

	Tax Adj Rtn%	%Rank	Cat	Tax-Cost Rat	%Rank
3 Yr (estimated)	-1.74	80	0.45	54	
5 Yr (estimated)	4.72	52	0.46	56	
10 Yr (estimated)	1.60	42	0.67	55	

Potential Capital Gain Exposure: 7% of assets

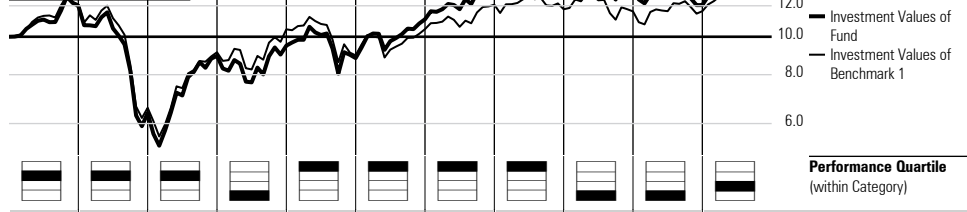
### Morningstar's Take by Greg Carlson 06-08-16

Artisan International's veteran leader, deep team, and sensible approach continue to earn a Morningstar Analyst Rating of Silver. This closed fund's lead skipper, Mark Yockey, has steered it for more than 20 years, and the results have been superb: From its December 1995 inception through May 2016, the fund surpassed all of its foreign large-growth peers, as well as 95% of the larger foreign large-blend Morningstar Category, on both a total-return and risk-adjusted basis. It also trounced its MSCI EAFE benchmark as well as the MSCI EAFE Growth Index (to which its returns have been a bit more correlated).

Yockey has generated this stellar record utilizing a flexible approach. He invests in a mix of rapidly growing firms, more-mature and stable growers, and turnaround plays. The size of each group varies depending on where he and his team find the most opportunities, but the first two groups tend to predominate. In the late 1990s, the fund shone because of a hefty stake in tech and telecom. More recently, the fund's hot streak from 2011-14 was due in part to a move into Macau-related gaming stocks and other firms benefiting from rising demand from Chinese consumers.

### Historical Profile

**Return** Average  
**Risk** Above Avg  
**Rating** ★★  
Below Avg



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	30.07	15.04	20.77	21.82	19.93	24.72	30.66	30.15	28.85	25.75	28.07	NAV
Total Return %	19.95	-46.78	40.01	6.18	-7.05	25.64	25.47	-0.74	-3.63	-9.41	9.01	Total Return %
+/- Bmark 1	-1.07	-1.17	1.34	-8.27	7.15	8.98	9.98	1.91	-2.38	-9.54	-0.12	+/- Bmark 1
+/- Bmark 2	3.30	-1.26	-1.43	-4.97	6.66	8.81	10.18	3.12	2.03	-13.91	1.15	+/- Bmark 2
Income Return %	0.92	0.87	1.88	1.11	1.54	1.61	1.39	0.93	0.70	1.34	0.00	Income Return %
Capital Return %	19.03	-47.65	38.13	5.07	-8.60	24.03	24.08	-1.68	-4.33	-10.75	9.01	Capital Return %
Total Rtn % Rank Cat	30	49	30	86	3	4	9	17	95	97	54	Total Rtn % Rank Cat
Income \$	0.27	0.26	0.28	0.23	0.34	0.32	0.34	0.29	0.21	0.39	0.00	Income \$
Capital Gains \$	4.47	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Capital Gains \$
Expense Ratio %	0.98	0.98	0.99	0.98	0.99	0.98	0.97	0.95	0.95	—	—	Expense Ratio %
Income Ratio %	1.22	1.50	1.76	1.10	1.42	1.52	1.43	1.05	0.70	1.27	—	Income Ratio %
Turnover Rate %	66	54	82	71	70	55	42	46	45	65	—	Turnover Rate %
Net Assets \$mil	4,920	2,281	2,493	2,526	2,013	2,955	3,877	3,857	5,391	4,680	—	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	2.41			
3 Yr	-1.30	-Avg	+Avg	★
5 Yr	5.20	-Avg	Avg	★★
10 Yr	2.29	Avg	+Avg	★★★
Incept	7.42			

### Other Measures

	Standard Index	Best Fit Index
Alpha	-1.7	-2.7
Beta	0.84	0.93
R-Squared	76	85
Standard Deviation	11.91	
Mean	-1.30	
Sharpe Ratio	-0.07	

### Portfolio Analysis 12-31-16

#### Total Stocks: 64

Share change since 09-30-16	Sector	Country	% Assets
⊖ Linde AG	Basic Mat	Germany	4.37
★ Deutsche Boerse AG	—	Germany	4.14
⊖ Japan Tobacco Inc	Cnsmr Def	Japan	4.11
⊕ Allianz SE	Finan Svcs	Germany	3.90
⊖ Nestle SA	Cnsmr Def	Switzerland	3.63
⊕ Canadian Pacific Railway	Industrl	Canada	3.52
★ ING Groep NV	Finan Svcs	Netherlands	3.26
⊖ Aon PLC	Finan Svcs	United States	3.14
⊖ Medtronic PLC	Hlth Care	United States	3.06
⊕ Alibaba Group Holding Ltd	Cnsmr Cyc	China	3.03
⊖ NTT DOCOMO Inc	Comm Svcs	Japan	2.61
⊖ AIA Group Ltd	Finan Svcs	Hong Kong	2.51
⊖ Hsbc Bank Plc	—	—	2.41
⊖ Liberty Global Group C	Comm Svcs	United Kingdom	2.24
⊖ Zodiac Aerospace	Industrl	France	2.23
⊖ Taiwan Semiconductor Manu	Technology	Taiwan	2.08
⊖ Coca-Cola European Partne	Cnsmr Def	United States	1.85
⊖ Wirecard AG	Technology	Germany	1.84
⊖ Beiersdorf AG	Cnsmr Def	Germany	1.82
⊖ Nippon Telegraph & Teleph	Comm Svcs	Japan	1.82

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	Rel Bmark 1
Large	52.0	⊖ Cyclical	43.98	1.41
Mid	34.3	⊖ BasicMat	8.45	0.94
Small	13.5	⊖ CnsmrCyc	7.69	0.59
Micro	0.3	⊖ FinanSvcs	26.33	3.97
Avg \$mil:	0.0	⊖ Real Est	1.51	0.57
37,046		⊖ Sensitive	30.82	0.86
		⊖ CommSvcs	13.31	3.71
		⊖ Energy	0.00	0.00
		⊖ Industrl	11.99	0.98
		⊖ Technly	5.52	0.33
		⊖ Defensive	25.20	0.76
		⊖ CnsmrDef	17.88	0.95
		⊖ Hlthcare	7.32	0.58
		⊖ Utilities	0.00	0.00

### Value Measures

Value Measures	Rel Category	Growth Measures	% Rel Category
Price/Earnings	16.35	Long-Term Erngs	7.90
Price/Book	1.85	Book Value	5.59
Price/Sales	1.53	Sales	0.55
Price/Cash Flow	5.76	Cash Flow	-1.17
Dividend Yield %	2.40	Historical Erngs	9.46

### Composition - Net

Composition - Net	%	Country Exposure	% Stock
Cash	0.7	Germany	22
Stocks	95.9	UK	7
Foreign (% of Stock)	85.7	Japan	15
		Switzerland	6
		United States	14

Address: Artisan Funds Inc  
Milwaukee, WI 53202  
866-773-7233  
Web Address: www.artisanfunds.com  
Inception: 07-01-97  
Advisor: Artisan Partners Limited Partnership  
Subadvisor: None

Minimum Purchase: \$100,000 Add: — IRA: —  
Min Auto Inv Plan: — Add: —  
Sales Fees: No-load  
Management Fee: 1.00% mx/0.90% mn.  
Actual Fees: Mgt:0.92% Dist:—  
Expense Projections: 3Yr:\$303 5Yr:\$525 10Yr:\$1166  
Income Distribution: Annually

# Artisan Mid Cap Institutional

**Ticker** APHMX **Yield** 0.0% **Total Assets** \$7,389 mil **Mstar Category** Mid-Cap Growth

**Benchmark 1:** Russell Mid Cap Growth TR USD  
**Benchmark 2:** S&P 500 TR USD

**Morningstar Analyst Rating** 10-13-16

**Silver**

### Morningstar Pillars

Process	⊕ Positive
Performance	⊕ Positive
People	⊕ Positive
Parent	⊕ Positive
Price	● Neutral

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver **Silver** Bronze Neutral Negative

### Pillar Spectrum

⊕ Positive ⊖ Negative ● Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	8.78	3.27	15.68	5.98	37.74
2014	2.55	-0.10	-2.10	5.64	5.96
2015	3.86	1.67	-7.25	4.58	2.42
2016	-5.51	3.50	5.93	-4.09	-0.64
2017	7.95	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
3 Mo	7.95	1.06	1.89	35	10,795
6 Mo	3.54	-3.84	-6.58	96	10,354
1 Yr	13.52	-0.55	-3.65	71	11,352
3 Yr Avg	4.31	-3.57	-6.06	82	11,350
5 Yr Avg	9.70	-2.25	-3.60	60	15,887
10 Yr Avg	9.49	1.36	1.98	10	24,761
15 Yr Avg	8.94	0.37	1.85	19	36,135

### Tax Analysis

	Tax Adj Rtn%	%Rank	Tax-Cost Rat	%Rank
3 Yr (estimated)	1.82	77	2.39	70
5 Yr (estimated)	7.60	60	1.92	62
10 Yr (estimated)	8.10	12	1.27	60

Potential Capital Gain Exposure: 28% of assets

### Morningstar's Take by Greg Carlson 10-13-16

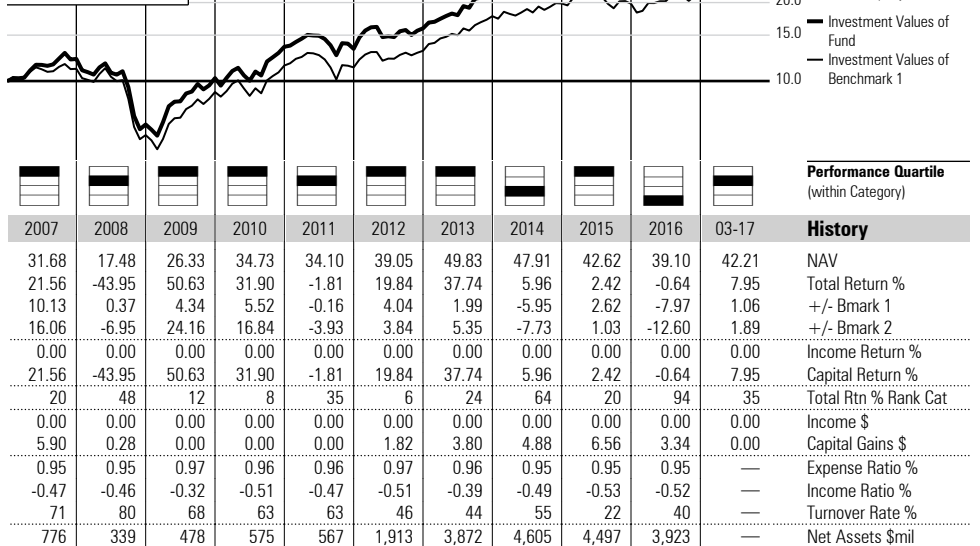
Although Artisan Mid Cap's subpar recent results followed a change at the top, don't read too much into that correlation. The fund's deep team and prudent strategy continue to merit a Morningstar Analyst Rating of Silver.

In September 2013, this closed fund designated a lead manager for the first time, and it wasn't Andy Stephens--sole manager at the fund's 1997 launch. Instead it was Matt Kamm, who joined the team in 2003 as an analyst. Stephens gave up his portfolio manager title one year later; he now researches stocks for the team and mentors analysts. The fund has since trailed its typical mid-growth Morningstar Category peer as well as the Russell Midcap Growth Index thanks to a subpar showing in 2014 and struggles in the first nine months of 2016. The latter showing owes to sharp declines in several previously successful healthcare and tech picks.

But there's plenty of reason for confidence in the fund. Kamm owns a strong stock-selection record in healthcare, and more importantly, the effort here has long been highly collaborative. The fund is comanaged by Jim Hamel, who's worked on the team since its 1997

### Historical Profile

**Return** Above Avg  
**Risk** Above Avg  
**Rating** ★★  
Neutral



### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	13.52			
3 Yr	4.31	-Avg	+ Avg	★★
5 Yr	9.70	Avg	+ Avg	★★★★
10 Yr	9.49	High	+ Avg	★★★★
Incept	7.63			

### Other Measures

	Standard Index	Best Fit Index
Alpha	-6.3	-2.8
Beta	1.10	1.06
R-Squared	68	90
Standard Deviation	13.94	
Mean	4.31	
Sharpe Ratio	0.36	

### Portfolio Analysis 12-31-16

#### Total Stocks: 59

Share change since 09-30-16	Sector	YTD Ret %	% Assets
⊖ IHS Markt Ltd A	Industrl	18.47	4.81
⊖ LKQ Corp	Cnsmr Cyc	-4.50	4.30
⊖ Boston Scientific Corp	Hlth Care	14.98	4.22
⊖ Global Payments Inc	Industrl	16.25	3.63
⊖ S&P Global Inc	Industrl	21.95	3.62
⊖ Regeneron Pharmaceuticals	Hlth Care	5.56	2.94
⊖ Waste Connections Inc	Industrl	12.48	2.72
⊖ Fortune Brands Home & Sec	Cnsmr Cyc	14.16	2.68
⊖ Cigna Corp	Hlth Care	9.85	2.52
⊕ Concho Resources Inc	Energy	-3.21	2.43
⊖ Becton, Dickinson and Co	Hlth Care	11.25	2.09
⊕ SVB Financial Group	Finan Svcs	8.41	2.00
⊖ Electronic Arts Inc	Technology	13.66	1.99
⊕ Ulta Salon Cosmetics & Fr	Cnsmr Cyc	11.88	1.90
⊕ Acuity Brands Inc	Technology	-11.58	1.76
⊖ Envision Healthcare Corp	Hlth Care	-3.11	1.74
⊕ Intercontinental Exchange	Finan Svcs	6.47	1.74
⊖ DexCom Inc	Hlth Care	41.93	1.69
⊖ NVIDIA Corp	Technology	2.18	1.68
⊕ Monster Beverage Corp	Cnsmr Def	4.13	1.66

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	Rel Bmark 1
	Giant 1.2	🔄 Cyclical	27.79	0.73
	Large 35.9	📊 BasicMat	1.67	0.46
	Mid 61.4	📊 CnsmrCyc	19.75	0.85
	Small 1.5	📊 FinanSvcs	6.37	0.99
	Micro 0.0	📊 Real Est	0.00	0.00
	Avg \$mil: 14,687	📊 Sensitive	49.92	1.31
		📊 CommSvs	0.00	0.00
		📊 Energy	4.17	3.21
		📊 Industrl	28.11	1.51
		📊 Technlgy	17.64	1.00
		📊 Defensive	22.29	-0.02
		📊 CnsmrDef	5.65	0.61
		📊 Hlthcare	16.64	1.14
		📊 Utilities	0.00	—

### Composition - Net

	%
Cash	4.1
Stocks	96.0
Bonds	0.0
Other	0.0
Foreign	2.0
( % of Stock )	

### Profitability

	%
Return on Equity	16.29
Return on Assets	5.51
Net Margin	7.15

Address: Artisan Funds Inc  
Milwaukee, WI 53202  
866-773-7233  
www.artisanfunds.com  
Inception: 07-03-00  
Advisor: Artisan Partners Limited Partnership  
Subadvisor: None

Minimum Purchase: \$1000000 Add: — IRA: —  
Min Auto Inv Plan: — Add: —  
Sales Fees: No-load  
Management Fee: 1.00% mx./0.93% mn.  
Actual Fees: Mgt:0.93% Dist:—  
Expense Projections: 3Yr:\$303 5Yr:\$525 10Yr:\$1166  
Income Distribution: Annually

# Dodge & Cox International Stock

**Ticker** DODFX **Yield** 2.0% **Total Assets** \$57,071 mil **Mstar Category** Foreign Large Blend

**Benchmark 1:** MSCI ACWI Ex USA NR USD  
**Benchmark 2:** MSCI ACWI Ex USA NR USD

**Morningstar Analyst Rating** 12-19-16

**Gold**

### Morningstar Pillars

Process	⊕ Positive
Performance	⊕ Positive
People	⊕ Positive
Parent	⊕ Positive
Price	⊕ Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

⊕ Positive ⊖ Negative ● Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	3.64	1.70	11.15	7.82	26.31
2014	2.76	5.00	-2.71	-4.66	0.08
2015	4.20	-0.30	-15.38	0.83	-11.35
2016	-3.76	-1.20	10.15	3.36	8.26
2017	9.32	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
3 Mo	9.32	1.46	1.46	9	10,932
6 Mo	12.99	6.48	6.48	2	11,299
1 Yr	22.97	9.84	9.83	1	12,297
3 Yr Avg	0.72	0.16	0.15	42	10,217
5 Yr Avg	7.32	2.96	2.97	7	14,240
10 Yr Avg	2.52	1.17	1.16	15	12,824
15 Yr Avg	8.09	1.79	1.80	6	32,134

### Tax Analysis

	Tax Adj Rtn%	%Rank	Cat	Tax-Cost Rat	%Rank
3 Yr (estimated)	-0.18	37	0.89	57	
5 Yr (estimated)	6.44	6	0.83	54	
10 Yr (estimated)	1.55	14	0.95	60	

Potential Capital Gain Exposure: 0% of assets

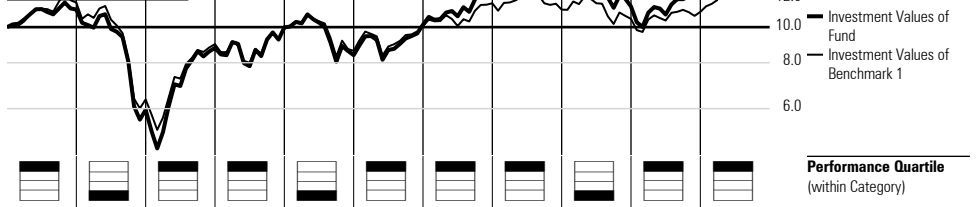
### Morningstar's Take by Gregg Wolper 12-19-16

Dodge & Cox International Stock boasts many strengths, including patience, low costs, and a highly experienced and deep team of managers and analysts. Those attributes, along with a standout performance record, earn the fund a Morningstar Analyst Rating of Gold.

This fund endured an uncharacteristically subpar 2015. It's not unusual for the fund to lag during market downturns, though it didn't in 2014. The managers buy out-of-favor stocks when their long-term prospects remain strong, in the managers' view, and it's not unusual for such controversial stocks to fall hard if markets weaken. But the extent of 2015's underperformance--the fund lagged the foreign large-blend Morningstar Category average by nearly 10 percentage points--was unusual. Its long-standing overweighting in emerging-markets stocks bore much of the blame, as those markets, and currencies, had a very rough year. But the managers stuck to their approach. They added to some of the most beaten-up positions, such as beleaguered Petrobras PBR, and have reaped the benefits of this year's rebound in those positions. For the year to date through Nov. 30,

### Historical Profile

**Return** Above Avg  
**Risk** High  
**Rating** ★★★★★ Above Avg



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	46.02	21.90	31.85	35.71	29.24	34.64	43.04	42.11	36.48	38.10	41.65	NAV
Total Return %	11.71	-46.69	47.46	13.69	-15.97	21.03	26.31	0.08	-11.35	8.26	9.32	Total Return %
+/- Bmark 1	-4.94	-1.16	6.01	2.54	-2.26	4.20	11.03	3.94	-5.69	3.77	1.46	+/- Bmark 1
+/- Bmark 2	-4.94	-1.16	6.01	2.54	-2.26	4.20	11.03	3.94	-5.69	3.77	1.46	+/- Bmark 2
Income Return %	2.89	2.04	1.99	1.55	2.13	2.55	2.01	2.25	1.99	2.33	0.00	Income Return %
Capital Return %	8.82	-48.73	45.47	12.13	-18.10	18.48	24.31	-2.18	-13.35	5.93	9.32	Capital Return %
Total Rtn % Rank Cat	21	82	6	6	81	16	8	9	98	2	9	Total Rtn % Rank Cat
Income \$	1.26	0.94	0.44	0.50	0.76	0.75	0.70	0.97	0.84	0.85	0.00	Income \$
Capital Gains \$	1.50	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	Capital Gains \$
Expense Ratio %	0.65	0.64	0.65	0.65	0.64	0.64	0.64	0.64	0.64	—	—	Expense Ratio %
Income Ratio %	3.11	2.37	1.58	1.58	2.23	2.31	1.85	2.39	1.86	2.12	—	Income Ratio %
Turnover Rate %	16	35	21	15	16	10	13	12	18	17	—	Turnover Rate %
Net Assets \$mil	53,426	25,053	36,758	43,406	35,924	40,556	53,616	64,040	57,029	54,187	—	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	22.97			
3 Yr	0.72	Avg	High	★★
5 Yr	7.32	High	High	★★★★
10 Yr	2.52	+Avg	High	★★★★
Incept	7.62			

### Other Measures

	Standard Index	Best Fit Index
Alpha	0.3	1.4
Beta	1.11	1.04
R-Squared	90	91
Standard Deviation	14.51	
Mean	0.72	
Sharpe Ratio	0.11	

### Portfolio Analysis 12-31-16

#### Total Stocks: 73

Share change since 09-30-16	Sector	Country	% Assets
⊖ Samsung Electronics Co Lt	Technology	South Korea	4.47
⊕ Sanofi SA	Hlth Care	France	3.68
⊖ Naspers Ltd Class N	Technology	South Africa	3.39
⊖ Schlumberger Ltd	Energy	United States	3.16
⊖ Barclays PLC	Finan Svcs	United Kingdom	2.89
⊖ Bnp Paribas Sa	—	—	2.88
⊖ Schneider Electric SE	Industrl	France	2.58
⊖ ICICI Bank Ltd	Finan Svcs	India	2.52
⊖ Itau Unibanco Holding SA	Finan Svcs	Brazil	2.45
⊖ Standard Chartered PLC	Finan Svcs	United Kingdom	2.33
⊖ Hewlett Packard Enterpris	Technology	United States	2.28
⊖ Roche Holding AG	Hlth Care	Switzerland	2.18
⊖ Mitsubishi Electric Corp	Technology	Japan	2.14
⊕ Bayer AG	Hlth Care	Germany	1.99
⊖ Credit Suisse Group AG	Finan Svcs	Switzerland	1.94
Honda Motor Co Ltd	Cnsmr Cyc	Japan	1.94
⊖ Societe Generale SA	Finan Svcs	France	1.92
⊖ Petroleo Brasileiro SA Pe	Energy	Brazil	1.81
Novartis AG ADR	Hlth Care	Switzerland	1.78
⊖ LafargeHolcim Ltd	Basic Mat	Switzerland	1.67

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	Rel Bmark 1
Value Blend Growth	Giant 67.4	⊖ Cyclical	39.40	0.85
	Large 28.1	⊖ BasicMat	4.42	0.52
	Mid 4.5	⊖ CnsmrCyc	8.97	0.81
	Small 0.0	⊖ FinanSvcs	24.52	1.06
	Micro 0.0	⊖ Real Est	1.49	0.43
Avg \$mil: 39,891		⊖ Sensitive	46.43	1.42
		⊖ CommSvcs	7.76	1.63
		⊖ Energy	8.55	1.27
		⊖ Industrl	5.28	0.49
		⊖ Technlgy	24.84	2.37
		⊖ Defensive	14.16	0.67
		⊖ CnsmrDef	0.28	0.03
		⊖ Hlthcare	13.88	1.76
		⊖ Utilities	0.00	0.00

### Growth Measures

	% Rel Category
Long-Term Erngs	7.72 0.87
Book Value	0.78 0.30
Sales	-2.68 0.60
Cash Flow	-2.98 -3.03
Historical Erngs	2.10 -2.61

### Composition - Net

	%	Other	% Stock
Cash	1.1	Bonds 0.0	UK 15 France 10
Stocks	97.4	Other 1.5	Japan 13 United States 9
Foreign (% of Stock)	90.5		Switzerland 11

Address:	Dodge & Cox Funds San Francisco, CA 94104 800-621-3979 www.dodgeandcox.com	Minimum Purchase:	\$2500	Add: \$100	IRA: \$1000
Web Address:	www.dodgeandcox.com	Min Auto Inv Plan:	—	Add: \$100	
Inception:	05-01-01	Sales Fees:	No-load		
Advisor:	Dodge & Cox	Management Fee:	0.60%		
Subadvisor:	None	Actual Fees:	Mgt:0.60% Dist:—		
		Expense Projections:	3Yr:\$205 5Yr:\$357 10Yr:\$798		
		Income Distribution:	Annually		

# Dodge & Cox Income

Benchmark 1: BBgBarc US Agg Bond TR USD  
 Benchmark 2: BBgBarc US Agg Bond TR USD

Morningstar Analyst Rating 11-22-16



### Morningstar Pillars

Process **+** Positive  
 Performance **+** Positive  
 People **+** Positive  
 Parent **+** Positive  
 Price **+** Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	0.54	-1.84	0.81	1.15	0.64
2014	2.31	2.19	0.00	0.89	5.48
2015	1.29	-1.19	-0.81	0.13	-0.59
2016	2.37	2.64	1.79	-1.24	5.61
2017	1.19	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
1 Yr	4.39	1	2	30	10,119
3 Yr Avg	3.08	0.40	0.40	15	10,953
5 Yr Avg	3.41	1.07	1.07	14	11,823
10 Yr Avg	5.02	0.75	0.75	15	16,322
15 Yr Avg	5.21	0.58	0.58	15	21,416

### Tax Analysis

	Tax Adj Rtn%	%Rank	Tax-Cost Rat	%Rank
3 Yr (estimated)	1.72	14	1.32	70
5 Yr (estimated)	2.05	10	1.31	64
10 Yr (estimated)	3.51	9	1.44	58

Potential Capital Gain Exposure: 2% of assets

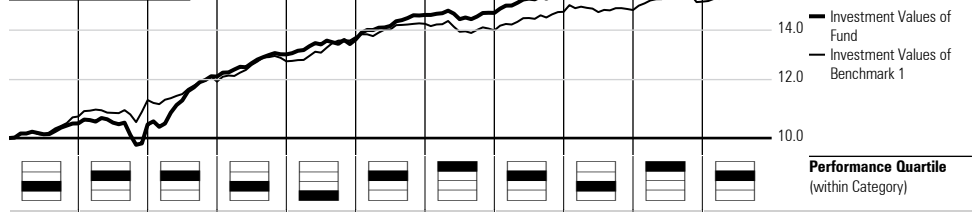
### Morningstar's Take by Cara Esser, CFA 11-22-16

With a three- to five-year investment time horizon, Dodge & Cox Income's managers have an eye for the long term. This approach leads to low turnover (typically a third of the portfolio each year) as the team is willing to be patient with its picks. A veteran and well-resourced team, time-tested process, low expenses, and an impressive long-term track record earn this fund a Morningstar Analyst Rating of Gold.

A focus on income as a component of total returns leads to a yield that's generally higher than peers' (3% as of September 2016) and to an overweighting to corporates, including an often 10%-plus allocation to junk bonds. Corporate exposure tends to be concentrated in around 50 issuers, and managers aren't afraid to take sizable positions in downtrodden names, including Brazilian energy firm Petrobras, which the firm stuck with through its more recent troubles. Meanwhile, as the firm has built its global bond resources, this fund has added to its non-U.S. stake. As of September 2016, the fund had about 18% in non-U.S. corporate bonds, from both emerging and developed markets.

### Historical Profile

Return Above Avg  
 Risk Average  
 Rating ★★★ Above Avg



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	12.51	11.79	12.96	13.23	13.30	13.86	13.53	13.78	13.29	13.59	13.64	NAV
Total Return %	4.68	-0.29	16.05	7.17	4.76	7.94	0.64	5.48	-0.59	5.61	1.19	Total Return %
+/- Bmark 1	-2.29	-5.53	10.12	0.63	-3.08	3.73	2.66	-0.48	-1.14	2.97	0.37	+/- Bmark 1
+/- Bmark 2	-2.29	-5.53	10.12	0.63	-3.08	3.73	2.66	-0.48	-1.14	2.97	0.37	+/- Bmark 2
Income Return %	5.15	5.51	5.86	5.07	4.23	3.69	3.03	2.90	2.96	3.22	0.74	Income Return %
Capital Return %	-0.47	-5.80	10.19	2.10	0.53	4.26	-2.39	2.58	-3.55	2.40	0.45	Capital Return %
Total Rtn % Rank Cat	63	35	30	57	81	33	8	49	70	6	30	Total Rtn % Rank Cat
Income \$	0.64	0.68	0.68	0.65	0.55	0.48	0.42	0.39	0.40	0.42	0.10	Income \$
Capital Gains \$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02	0.01	Capital Gains \$
Expense Ratio %	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.43	0.43	—	Expense Ratio %
Income Ratio %	5.07	5.40	5.29	4.26	4.12	3.52	3.00	2.89	2.97	3.11	—	Income Ratio %
Turnover Rate %	27	24	20	28	27	26	38	27	24	27	—	Turnover Rate %
Net Assets \$mil	15,895	13,796	19,240	22,381	24,051	26,539	24,654	39,128	43,125	46,632	—	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	4.39			
3 Yr	3.08	+Avg	Avg	★★★★
5 Yr	3.41	+Avg	-Avg	★★★★
10 Yr	5.02	+Avg	Avg	★★★★
Incept	6.87			

### Other Measures

	Standard Index	Best Fit Index
Alpha	1.1	0.8
Beta	0.70	0.62
R-Squared	57	83
Standard Deviation	2.73	
Mean	3.08	
Sharpe Ratio	1.06	

### Portfolio Analysis 12-31-16

Total Fixed Income: 945	Date of Maturity	Amount 000	Value \$000	% Assets
US Treasury Note 1.625%	07-31-19	600,000	603,962	1.29
US Treasury Note 0.875%	01-15-18	600,000	599,684	1.28
US Treasury Note 0.875%	09-15-19	600,000	591,894	1.26
Verizon Comms 6.55%	09-15-43	459,606	573,041	1.22
Rio Oil Fin Tr 144A 6.2	07-06-24	564,606	530,729	1.13
US Treasury Note 1.5%	02-28-19	496,995	499,580	1.07
US Treasury Note 1.625%	12-31-19	500,000	502,196	1.07
US Treasury Note 0.75%	02-28-18	500,000	498,789	1.06
US Treasury Note 0.75%	07-31-18	500,000	497,255	1.06
US Treasury Note 1.375%	05-31-21	450,000	440,652	0.94
Imperial Tobacco Fin 14	07-21-25	385,702	397,625	0.85
Bnp Paribas Us Mtn 4.25	10-15-24	379,446	379,927	0.81
US Treasury Note 0.75%	08-31-18	350,000	347,786	0.74
US Treasury Note 0.75%	08-15-19	350,000	344,475	0.74
US Treasury Note 0.875%	04-15-19	350,000	346,751	0.74
FHLMC 4%	01-01-35	311,637	331,263	0.71
FHLMC FRN	05-01-46	323,711	329,689	0.70
Rio Oil Fin Tr 144A 6.7	01-06-27	359,072	330,346	0.70
Aol Time Warner 7.7%	05-01-32	231,134	312,859	0.67
Royal Bk Of Scotland 6.	12-15-22	292,243	310,421	0.66

### Current Investment Style

Duration Ltd	Mod	Ext	Quality High	Med	Low
1	1	1	1	1	1

1 figure provided by fund

Metric	Value
Avg Eff Duration <sup>1</sup>	4.2 Yrs
Avg Eff Maturity	8.1 Yrs
Avg Credit Quality	BBB
Avg Wtd Coupon	4.29%
Avg Wtd Price	106.11% of par

### Sector Breakdown

Sector	% Assets
Government	15
Government Related	1
Corporate	45
Agency MBS	32
Non-Agency Residential MBS	0
Commercial MBS	0
Covered Bond	0
Asset Backed	2
Municipal	3
Cash & Equivalents	1
Other	0

### Coupon Range

Coupon Range	% of Bonds
0% PIK	0.0
0% to 4%	45.1
4% to 6%	32.1
6% to 8%	20.4
8% to 10%	2.4
More than 10%	0.0

### Composition - Net

Component	Value	% Assets
Cash	4.1	95.0
Stocks	0.0	1.0

### Special Securities

Special Securities	Value	% Assets
Restricted/Illiquid Secs	13	
Emerging-Markets Secs	3	
Options/Futures/Warrants	0	

### Credit Analysis

Rating	% Bonds
AAA	51
AA	4
A	3
BBB	32
BB	5
B	2
Below B	2
Not Rated	0

Address:	Dodge & Cox Funds San Francisco, CA 94104 800-621-3979	Minimum Purchase:	\$2500	Add: \$100	IRA: \$1000
Web Address:	www.dodgeandcox.com	Min Auto Inv Plan:	—	Add: \$100	
Inception:	01-03-89	Sales Fees:	No-load		
Advisor:	Dodge & Cox	Management Fee:	0.50% mx./0.40% mn.		
Subadvisor:	None	Actual Fees:	Mgt:0.40% Dist:—		
		Expense Projections:	3Yr:\$138 5Yr:\$241 10Yr:\$542		
		Income Distribution:	Quarterly		

# JPMorgan Mid Cap Value L

**Ticker** FLMVX **Yield** 0.8% **Total Assets** \$18,094 mil **Mstar Category** Mid-Cap Blend

**Benchmark 1:** Russell Mid Cap TR USD  
**Benchmark 2:** S&P 500 TR USD

**Morningstar Analyst Rating** 12-21-16



### Morningstar Pillars

- Process + Positive
- Performance + Positive
- People + Positive
- Parent + Positive
- Price + Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	12.61	2.35	5.39	8.66	31.99
2014	3.19	4.83	-1.68	8.27	15.14
2015	3.69	-1.97	-7.28	3.62	-2.35
2016	3.92	2.52	2.96	4.50	14.62
2017	3.96	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
3 Mo	3.96	-1.19	-2.11	51	10,396
6 Mo	8.64	0.12	-1.49	61	10,864
1 Yr	14.67	-2.36	-2.50	74	11,467
3 Yr Avg	9.09	0.61	-1.28	10	12,984
5 Yr Avg	13.91	0.82	0.60	8	19,174
10 Yr Avg	8.57	0.63	1.06	10	22,755
15 Yr Avg	10.71	1.14	3.61	3	45,978

### Tax Analysis

	Tax Adj Rtn%	%Rank	Cat	Tax-Cost Rat	%Rank
3 Yr (estimated)	7.07	18	1.86	59	
5 Yr (estimated)	12.14	16	1.55	57	
10 Yr (estimated)	7.29	13	1.18	60	

Potential Capital Gain Exposure: 33% of assets

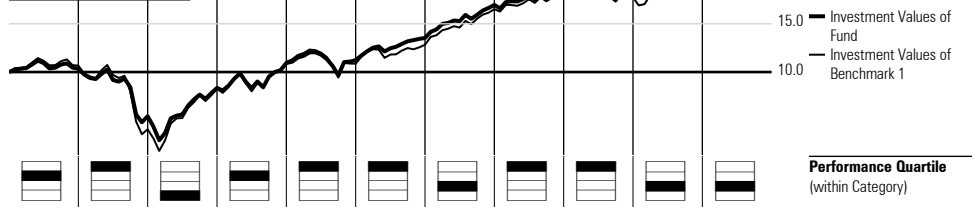
### Morningstar's Take by Thomas Lancereau, CFA 12-21-16

Given its long record of excellence, the tenure and depth of its management team, and its adherence to a well-articulated, disciplined strategy, JPMorgan Mid Cap Value continues to merit a Morningstar Analyst Rating of Gold. While the fund moved to the mid-blend Morningstar Category from mid-value in 2015--in keeping with its portfolio metrics over the past several years--it looks just as good in its new setting.

Lead manager Jonathan Simon and comanagers Lawrence Playford and Gloria Fu combine quantitative screens and fundamental analysis to find undervalued companies with strong balance sheets, earnings growth, and cash flows. That's standard high-quality value investing, but it is consistently well executed here. The portfolio contains around 100 names, with positions generally no more than 2%. Simon believes--and his record shows--that this is concentrated enough to break away from its Russell Midcap Value Index benchmark without undue risk. The fund has some leeway with sector exposure and has continued to lean toward consumer cyclicals, a field where the team has historically found

### Historical Profile

**Return** Above Avg  
**Risk** Below Avg  
**Rating** ★★★★★  
Highest



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	24.53	15.55	19.26	23.47	23.75	27.99	35.12	37.15	33.97	36.40	37.84	NAV
Total Return %	2.83	-32.90	26.75	23.34	2.42	20.48	31.99	15.14	-2.35	14.62	3.96	Total Return %
+/- Bmark 1	-2.76	8.56	-13.73	-2.13	3.96	3.20	-2.77	1.93	0.09	0.83	-1.19	+/- Bmark 1
+/- Bmark 2	-2.66	4.10	0.29	8.28	0.30	4.47	-0.40	1.46	-3.73	2.66	-2.11	+/- Bmark 2
Income Return %	1.06	0.75	2.26	1.47	1.20	1.72	1.14	1.23	0.90	0.99	0.00	Income Return %
Capital Return %	1.77	-33.65	24.49	21.87	1.22	18.76	30.85	13.92	-3.25	13.63	3.96	Capital Return %
Total Rtn % Rank Cat	33	20	82	36	7	12	75	6	25	53	51	Total Rtn % Rank Cat
Income \$	0.26	0.18	0.35	0.28	0.28	0.41	0.31	0.40	0.32	0.32	0.00	Income \$
Capital Gains \$	2.06	0.69	0.00	0.00	0.00	0.22	1.45	2.79	1.95	2.24	0.00	Capital Gains \$
Expense Ratio %	0.99	1.02	1.02	1.00	0.99	1.01	0.98	0.97	0.94	0.94	—	Expense Ratio %
Income Ratio %	0.85	1.16	2.26	1.52	1.29	1.33	1.16	0.92	1.05	1.04	—	Income Ratio %
Turnover Rate %	18	31	47	34	41	30	23	25	18	20	—	Turnover Rate %
Net Assets \$mil	2,153	1,167	1,831	2,526	2,840	4,610	8,033	10,165	9,700	11,613	12,325	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	14.67			
3 Yr	9.09	+Avg	-Avg	★★★★★
5 Yr	13.91	High	Low	★★★★★
10 Yr	8.57	+Avg	-Avg	★★★★★
Incept	12.89			

### Other Measures

	Standard Index	Best Fit Index
Alpha	-0.5	0.9
Beta	0.93	0.90
R-Squared	84	95
Standard Deviation	10.62	
Mean	9.09	
Sharpe Ratio	0.86	

### Portfolio Analysis 02-28-17

**Total Stocks: 106**

Share change since 01-31-17	Sector	YTD Ret %	% Assets
⊖ JPMorgan US Government MM	—	—	4.18
⊕ Energen Corp	Energy	-5.60	1.95
⊕ Mohawk Industries Inc	Cnsmr Cyc	14.93	1.91
⊕ Loews Corp	Finan Svcs	0.01	1.85
⊕ EQT Corp	Energy	-6.53	1.76
⊕ Mgt Bank Corp	Finan Svcs	-1.09	1.75
⊕ Xcel Energy Inc	Utilities	10.10	1.46
⊕ WestRock Co A	Cnsmr Cyc	3.27	1.44
⊕ SunTrust Banks Inc	Finan Svcs	1.29	1.42
⊕ Edison International	Utilities	11.34	1.41
⊕ CMS Energy Corp	Utilities	8.30	1.40
⊕ Fifth Third Bancorp	Finan Svcs	-5.30	1.40
⊕ Newell Brands Inc	Cnsmr Def	6.07	1.37
⊕ Expedia Inc	Cnsmr Cyc	11.63	1.34
⊖ Synopsys Inc	Technology	22.55	1.34
⊕ WEC Energy Group Inc	Utilities	4.26	1.31
⊕ Jack Henry & Associates I	Industri	5.22	1.29
⊕ Ball Corp	Cnsmr Cyc	-0.91	1.28
⊕ Sempra Energy	Utilities	10.61	1.28
⊕ The Hartford Financial Se	Finan Svcs	1.36	1.28

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	% of Rel Bmark 1
	Giant 0.5	🔄 Cyclical	55.21	1.26
	Large 29.5	🏠 BasicMat	2.09	0.38
	Mid 65.3	🏠 CnsmrCyc	21.27	1.36
	Small 4.6	🏠 FinanSvcs	22.74	1.75
	Micro 0.0	🏠 Real Est	9.11	0.92
	Avg \$mil: 12,996	🏠 Sensitive	24.29	0.69
		🏠 CommSvcs	1.16	1.05
		🏠 Energy	6.83	1.15
		🏠 Industri	7.28	0.49
		🏠 Technly	9.02	0.69
		🏠 Defensive	20.49	0.98
		🏠 CnsmrDef	7.38	1.20
		🏠 Hlthcare	5.16	0.59
		🏠 Utilities	7.95	1.32

### Composition - Net

	%
Cash	4.2
Stocks	95.8
Bonds	0.0
Other	0.0
Foreign	0.0
(% of Stock)	

### Profitability

Return on Equity	13.73
Return on Assets	4.20
Net Margin	10.42

**Address:** Jpmorgan Distribution Services, Inc.  
Columbus, OH 43240  
800-480-4111

**Web Address:** www.jpmorganfunds.com

**Inception:** 11-13-97

**Advisor:** J.P. Morgan Investment Management Inc

**Subadvisor:** None

**Minimum Purchase:** \$300,000 **Add:** — **IRA:** —

**Min Auto Inv Plan:** — **Add:** —

**Sales Fees:** No-load

**Management Fee:** 0.65%, 0.15%A

**Actual Fees:** Mgt:0.65% Dist:—

**Expense Projections:** 3Yr:\$283 5Yr:\$506 10Yr:\$1148

**Income Distribution:** Annually



# Harbor Capital Appreciation Instl

**Ticker** HACAX **Yield** 0.1% **Total Assets** \$25,497 mil **Mstar Category** Large Growth

**Benchmark 1:** Russell 1000 Growth TR USD  
**Benchmark 2:** S&P 500 TR USD

**Morningstar Analyst Rating** 09-30-16



### Morningstar Pillars

- Process: Positive
- Performance: Positive
- People: Positive
- Parent: Positive
- Price: Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	6.91	2.35	12.38	11.94	37.66
2014	-0.12	4.59	1.91	3.26	9.93
2015	5.55	2.88	-5.44	8.09	10.99
2016	-5.49	-1.31	8.16	-1.94	-1.07
2017	10.64	—	—	—	—

### Trailing

Time Period	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
1 Yr	15.83	1	2	17	11,064
3 Mo	10.64	1.73	4.58	17	11,064
6 Mo	8.50	-1.51	-1.62	48	10,850
1 Yr	15.83	0.07	-1.35	36	11,583
3 Yr Avg	10.17	-1.10	-0.20	23	13,372
5 Yr Avg	12.30	-1.02	-1.00	37	17,863
10 Yr Avg	8.98	-0.15	1.47	17	23,632
15 Yr Avg	7.19	-0.02	0.09	29	28,321

### Tax Analysis

	Tax Adj Rtn%	%Rank	Tax-Cost Rat	%Rank
3 Yr (estimated)	8.56	19	1.46	38
5 Yr (estimated)	11.14	26	1.04	31
10 Yr (estimated)	8.38	13	0.55	25

Potential Capital Gain Exposure: 43% of assets

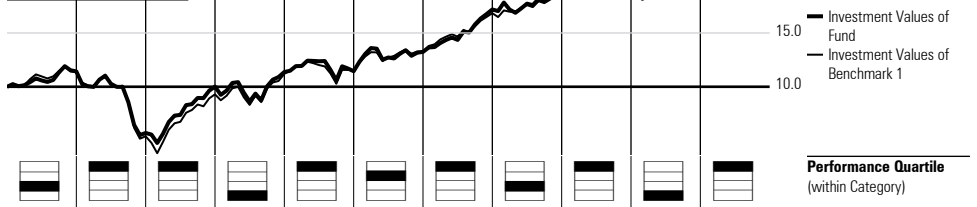
### Morningstar's Take by David Kathman, CFA 09-30-16

Harbor Capital Appreciation has seen a dramatic shift in its fortunes over the past two years. In 2015, it was one of the best-performing funds in the large-growth Morningstar Category, posting double-digit returns in a tough year, thanks to big gains by its Internet and healthcare holdings. It has been a different story in 2016, as the fund has struggled to stay in positive territory and ranks near the category's bottom decile through the year's first nine months. Such short-term slumps are no reason to be too concerned, though, as the fund still features an excellent long-term record under veteran manager Sig Segalas. It still earns a Morningstar Analyst Rating of Gold.

Segalas has led this fund for more than 25 years using a fairly traditional growth strategy, one that's disciplined but also flexible when necessary. Along with comanager Kathleen McCarragher, he looks for companies that are growing faster than the S&P 500 benchmark, especially those with strong revenue growth driven by unit sales rather than price increases. Fundamentals such as strong balance sheets are also important, as are solid competitive advantages that will allow a company to

### Historical Profile

**Return** Above Avg  
**Risk** Above Avg  
**Rating** ★★★★★ Above Avg



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	37.31	23.30	32.97	36.72	36.90	42.52	56.69	58.52	60.81	56.65	62.68	NAV
Total Return %	12.25	-37.13	41.88	11.61	0.61	15.69	37.66	9.93	10.99	-1.07	10.64	Total Return %
+/- Bmark 1	0.44	1.31	4.67	-5.10	-2.03	0.43	4.18	-3.12	5.32	-8.14	1.74	+/- Bmark 1
+/- Bmark 2	6.76	-0.13	15.42	-3.45	-1.50	-0.31	5.27	-3.76	9.61	-13.03	4.58	+/- Bmark 2
Income Return %	0.37	0.42	0.37	0.23	0.12	0.46	0.11	0.08	0.08	0.10	0.00	Income Return %
Capital Return %	11.88	-37.55	41.51	11.37	0.49	15.23	37.55	9.85	10.91	-1.17	10.64	Capital Return %
Total Rtn % Rank Cat	54	21	21	82	24	43	17	53	4	85	17	Total Rtn % Rank Cat
Income \$	0.12	0.16	0.09	0.08	0.04	0.17	0.05	0.05	0.05	0.06	0.00	Income \$
Capital Gains \$	0.00	0.00	0.00	0.00	0.00	0.00	1.73	3.77	4.11	3.49	0.00	Capital Gains \$
Expense Ratio %	0.67	0.68	0.70	0.70	0.68	0.68	0.68	0.67	0.68	0.69	—	Expense Ratio %
Income Ratio %	0.38	0.47	0.40	0.24	0.14	0.20	0.35	0.11	0.12	0.15	—	Income Ratio %
Turnover Rate %	69	82	72	68	53	41	48	34	37	34	—	Turnover Rate %
Net Assets \$mil	8,348	5,039	7,957	9,749	11,115	15,081	20,516	22,329	24,466	20,763	21,770	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	15.83			
3 Yr	10.17	+Avg	+Avg	★★★★
5 Yr	12.30	Avg	+Avg	★★★★
10 Yr	8.98	+Avg	Avg	★★★★
Incept	11.28			

### Other Measures

	Standard Index	Best Fit Index
Alpha	-0.8	-1.0
Beta	1.08	1.02
R-Squared	77	92
Standard Deviation	12.80	
Mean	10.17	
Sharpe Ratio	0.81	

### Portfolio Analysis 12-31-16

#### Total Stocks: 56

Share change since 09-30-16	Sector	YTD Ret %	% Assets
Amazon.com Inc	Cnsmr Cyc	18.23	5.65
Apple Inc	Technology	24.53	4.73
Facebook Inc A	Technology	23.47	3.94
Microsoft Corp	Technology	6.61	3.54
Visa Inc Class A	Finan Svcs	14.12	3.27
Mastercard Inc A	Finan Svcs	9.14	3.05
Alibaba Group Holding Ltd	Cnsmr Cyc	—	2.95
Alphabet Inc A	Technology	6.98	2.88
Alphabet Inc C	Technology	—	2.87
Celgene Corp	Hlth Care	7.50	2.85
NVIDIA Corp	Technology	2.18	2.75
Tencent Holdings Ltd	Technology	—	2.71
Adobe Systems Inc	Technology	26.40	2.27
Industria De Diseno Texti	Cnsmr Cyc	—	2.21
Marriott International In	Cnsmr Cyc	14.27	2.15
Netflix Inc	Cnsmr Cyc	19.39	2.14
Goldman Sachs Group Inc	Finan Svcs	-3.79	2.09
Qualcomm Inc	Technology	-11.24	1.97
The Priceline Group Inc	Cnsmr Cyc	21.41	1.95
Boeing Co	Industrl	14.52	1.94

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	Rel Bmark 1
Large	51.0	Cyclical	40.10	1.33
Mid	39.8	BasicMat	0.68	0.21
Small	9.2	CnsmrCyc	28.85	1.51
Micro	0.0	FinanSvcs	10.57	1.77
Avg \$mil:	94,400	Real Est	0.00	0.00
Rel Category		Sensitive	44.80	1.01
Price/Earnings	25.13	CommSvcs	1.20	0.30
Price/Book	4.82	Energy	3.49	6.98
Price/Sales	3.48	Industrl	5.60	0.46
Price/Cash Flow	16.29	Technlgy	34.51	1.24
Dividend Yield %	0.84	Defensive	15.11	0.59
Growth Measures	% Rel Category	CnsmrDef	3.47	0.39
Long-Term Erngs	14.38	Hlthcare	11.64	0.71
Book Value	12.44	Utilities	0.00	0.00
Sales	10.00			
Cash Flow	14.87			
Historical Erngs	8.87			

### Composition - Net

	%
Cash	0.3
Stocks	99.7
Bonds	0.0
Other	0.0
Foreign	10.6

### Profitability

	%
Return on Equity	20.75
Return on Assets	7.99
Net Margin	13.21

Address:	Harbor Funds Chicago, IL 60606-4302 800-422-1050	Minimum Purchase:	\$50000	Add: —	IRA: \$50000
Web Address:	www.harborfunds.com	Min Auto Inv Plan:	—	Add: —	
Inception:	12-29-87	Sales Fees:	No-load		
Advisor:	Harbor Capital Advisors Inc	Management Fee:	0.60%		
Subadvisor:	Jennison Associates LLC	Actual Fees:	Mgt:0.60% Dist:—		
		Expense Projections:	3Yr:\$219 5Yr:\$385 10Yr:\$866		
		Income Distribution:	Annually		



NAV **\$ 12.98** 1-Day Total Return **0.54%** TTM Yield 0.00% Load None Total Assets \$ 90.8 mil Expenses 1.24% Fee Level Above Average Turnover 30% Status Open Min. Inv. \$ 250,000

USD | NAV as of 11 Apr 2017 | 1-Day Return as of 11 Apr 2017

30-Day SEC Yield -- Category Small Growth Investment Style Small Growth

**Growth of 10K KGSIX** More...

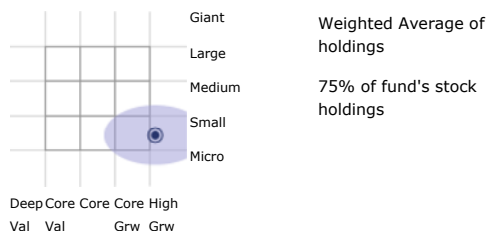
04/12/2007 - 04/11/2017 Zoom: 1M 3M YTD 1Y 3Y 5Y **10Y** Maximum Custom  
 XNAS:KGSIX:18,853.80 USD Small Growth:18,423.33 USD S&P 500 TR USD:20,295.27 USD



**Morningstar Risk Measures** KGSIX More...

Risk vs. Category* (599)	Avg
Return vs. Category* (599)	Avg
*Overall Ranking	Low Avg High

**Style Map** KGSIX More...



**Morningstar's Take** KGSIX

**Premium Content**

[Read full Analyst Report](#)

**Stewardship Grade**

**Role in Portfolio**

---

**Morningstar Pillars**

Process	---
Performance	---
People	---
Parent	---
Price	---

**Asset Allocation** KGSIX More...

Type	% Net	% Short	% Long
Cash	-0.08	0.33	0.24
US Stocks	97.77	0.00	97.77
Non US Stocks	2.31	0.00	2.31
Bonds	0.00	0.00	0.00
Other	0.00	0.00	0.00

Note: Contains derivatives or short positions

As of 01/31/2017

**Morningstar Sustainability** KGSIX More...

**Morningstar Sustainability Rating**



Average

**Category**

Small Growth

**Sustainability Mandate**

No

Percent Rank in Category: 46

Sustainability Score: 41

Based on 93% of AUM

Sustainability Score as of 01/31/2017. Sustainability Rating as of 02/28/2017. Sustainability provides company-level analysis used in the calculation of Morningstar's Sustainability Score. Sustainability Mandate information is derived from the fund prospectus.

**Performance** KGSIX More...

	YTD	1 Mo	1 Yr	3 Yr *	5 Yr *	10 Yr *
Growth of 10,000	10,401	10,204	11,887	11,020	14,835	18,854
Fund	4.01	2.04	18.87	3.29	8.21	6.55
+/- S&P 500 TR USD	-1.74	2.67	1.10	-8.07	-5.66	-0.79
+/- Category	-0.79	1.35	-4.46	-4.04	-3.21	-0.57
% Rank in Cat	64	8	86	92	—	—
# of Funds in Cat	681	696	658	592	519	383

\* Annualized returns.

Data as of 04/11/2017. Currency is displayed in USD.

**Top Holdings** KGSIX More...

	Weight %	Last Price	Day Chg %	52-Week Range
The Cooper Companies Inc	2.53	197.06 USD	-0.17	152.09 - 202.70
Axiom Corp	2.46	27.71 USD	-1.46	19.11 - 30.40
iShares Russell 2000 Growth	2.43	158.57 USD	-1.16	128.24 - 163.50
WNS (Holdings) Ltd ADR	2.30	28.93 USD	-0.24	24.82 - 32.82

**Management** KGSIX More...

	Start Date
Ford B. Draper	04/11/1997
Dana F. Walker	04/11/1997
James E. Gowen	11/28/2016

**News, Alerts, and Opinions** KGSIX More...

We do not have news for KGSIX

West Pharmaceutical Services Inc 2.27 79.17 USD -0.19 68.61 - 88.30

**% Assets in Top 5 Holdings 12.00**

Increase Decrease New to Portfolio  
 Portfolio Date :01/31/2017, Price data delayed 15 ~ 30 minutes

**Filings** KGSIX More...

Prospectus	Annual Report
Statement of Additional Information	Semi-Annual Report

**Top Sectors** KGSIX More...



**Dividend and Capital Gains Distributions** KGSIX

Distribution Date	Distribution NAV	Long-Term Capital Gain	Short-Term Capital Gain	Return of Capital	Dividend Income	Distribution Total
12/29/2016	12.56	3.8882	0.0000	0.0000	0.0000	3.8882
12/30/2015	14.83	3.7941	0.0000	0.0000	0.0000	3.7941
12/30/2014	19.84	1.4329	0.0000	0.0000	0.0000	1.4329
12/30/2013	22.72	0.3767	0.0000	0.0000	0.0000	0.3767

Currency: USD

S&P 500 index data: S&P 500 Copyright © 2017

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**NAV** **1-Day Total Return**  
**\$33.82** **0.62%**

**TTM Yield** **Load** **Total Assets** **Expenses** **Fee Level** **Turnover** **Status** **Min. Inv.**  
 0.72% None \$ 938.0 mil 1.15% Above Average 36% Open \$ 1.0 mil

**30-Day SEC Yield** **Category** **Investment Style**  
 -- Small Blend Small Blend

USD | NAV as of 11 Apr 2017 | 1-Day Return as of 11 Apr 2017

**Growth of 10K KSCIX** [More...](#)



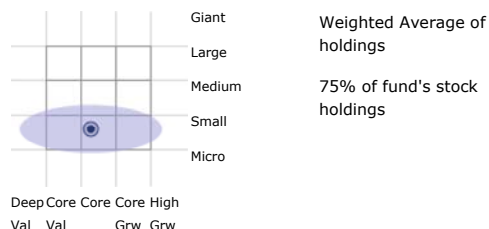
**Morningstar Risk Measures** KSCIX [More...](#)

Risk vs. Category\* (–) Avg

Return vs. Category\* (–) **Low**

\*Overall Ranking Low Avg High

**Style Map** KSCIX [More...](#)



**Morningstar's Take** KSCIX

**Premium Content**

[Read full Analyst Report](#)

**Stewardship Grade**

**Role in Portfolio**

---

**Morningstar Pillars**

Process ---

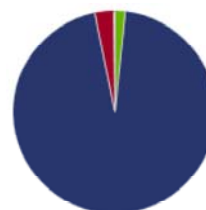
Performance ---

People ---

Parent ---

Price ---

**Asset Allocation** KSCIX [More...](#)



Cash	1.81%
US Stock	95.06%
Non US Stock	3.11%
Bond	0.00%
Other	0.03%

As of 01/31/2017

**Morningstar Sustainability** KSCIX [More...](#)

**Morningstar Sustainability Rating**



Below Average

**Category**  
Small Blend

**Sustainability Mandate**  
No

**Percent Rank in Category:** 79  
**Sustainability Score:** 40

Based on 93% of AUM

Sustainability Score as of 01/31/2017. Sustainability Rating as of 02/28/2017. Sustainability provides company-level analysis used in the calculation of Morningstar's Sustainability Score. Sustainability Mandate information is derived from the fund prospectus.

**Performance** KSCIX [More...](#)

	YTD	1 Mo	1 Yr	3 Yr *	5 Yr *	10 Yr *
Growth of 10,000	10,027	10,123	12,103	11,156	16,552	15,550
Fund	0.27	1.23	21.03	3.71	10.60	4.51
+/- S&P 500 TR USD	-5.48	1.85	3.27	-7.65	-3.26	-2.82
+/- Category	-1.04	0.28	-2.92	-3.67	-1.42	-1.97
% Rank in Cat	70	26	79	89	78	—
# of Funds in Cat	788	797	733	614	517	369

\* Annualized returns.

Data as of 04/11/2017. Currency is displayed in USD.

**Top Holdings** KSCIX [More...](#)

	Weight %	Last Price	Day Chg %	52-Week Range
Outfront Media Inc	3.52	25.98 USD	-0.69	20.72 - 27.89
Nexstar Media Group Inc Class A	3.03	67.05 USD	-1.40	44.75 - 73.90
Air Lease Corp Class A	3.02	35.78 USD	-3.19	24.49 - 40.24
BancorpSouth Inc	3.00	29.70 USD	-1.66	20.50 - 32.40

**Management** KSCIX [More...](#)

	Start Date
Brian R. Keeley	01/31/2011
Kevin M. Chin	12/31/2013

**News, Alerts, and Opinions** KSCIX [More...](#)

When Familiarity Breeds Comfort  
Morningstar, 05/05/2014

**Filings** KSCIX [More...](#)

Hilltop Holdings Inc	2.88	26.62 USD	-1.77	18.61 - 30.60
<b>% Assets in Top 5 Holdings</b>	<b>15.44</b>			
Increase	Decrease	New to Portfolio		

Portfolio Date : 01/31/2017, Price data delayed 15 ~ 30 minutes

[Prospectus](#)

[Annual Report](#)

[Statement of Additional Information](#)

[Semi-Annual Report](#)

## Top Sectors KSCIX

[More...](#)

	Fund	3 Yr High	3 Yr Low	Cat Avg	Fund	Cat Avg
Financial Services	21.01	22.93	21.01	20.01		
Industrials	15.69	16.96	15.69	17.57		
Consumer Cyclical	14.85	20.44	14.85	13.73		
Real Estate	13.94	13.94	9.17	7.13		
Basic Materials	9.44	9.45	7.94	6.10		

Portfolio Date: 01/31/2017

## Dividend and Capital Gains Distributions KSCIX

Distribution Date	Distribution NAV	Long-Term Capital Gain	Short-Term Capital Gain	Return of Capital	Dividend Income	Distribution Total
12/27/2016	34.11	0.0000	0.0000	0.0000	0.2242	0.2242
12/15/2016	34.18	1.6920	0.0000	0.0000	0.0000	1.6920
06/03/2016	31.01	0.0000	0.0000	0.0000	0.0331	0.0331
12/28/2015	30.15	0.0000	0.0000	0.0000	0.0389	0.0389
12/16/2015	30.32	4.3883	0.0000	0.0000	0.0000	4.3883

Currency: USD

S&P 500 index data: S&P 500 Copyright © 2017

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# MFS Value I

Benchmark 1: Russell 1000 Value TR USD  
 Benchmark 2: S&P 500 TR USD

Morningstar Analyst Rating 07-05-16

**Silver**

### Morningstar Pillars

Process	⊕ Positive
Performance	⊕ Positive
People	⊕ Positive
Parent	⊕ Positive
Price	⊕ Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

⊕ Positive ⊖ Negative ● Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	12.15	3.97	5.48	10.46	35.86
2014	1.30	3.45	-0.31	5.82	10.55
2015	0.78	0.50	-7.01	5.60	-0.54
2016	2.22	4.44	2.35	4.46	14.13
2017	4.79	—	—	—	—

### Trailing

Time Period	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
1 Yr	17.00	1	2	17	10,479
3 Mo	4.79	1.52	-1.28	17	10,479
6 Mo	9.45	-0.71	-0.67	67	10,945
1 Yr	17.00	-2.22	-0.17	55	11,700
3 Yr Avg	9.08	0.41	-1.28	12	12,980
5 Yr Avg	13.07	-0.06	-0.23	12	18,485
10 Yr Avg	7.16	1.23	-0.35	11	19,969
15 Yr Avg	8.02	0.67	0.93	6	31,832

### Tax Analysis

	Tax Adj Rtn%	%Rank	Cat	Tax-Cost Rat	%Rank
3 Yr (estimated)	7.58	14	1.38	42	
5 Yr (estimated)	11.62	13	1.29	49	
10 Yr (estimated)	6.01	9	1.07	53	

Potential Capital Gain Exposure: 31% of assets

### Morningstar's Take by Andrew Daniels 07-05-16

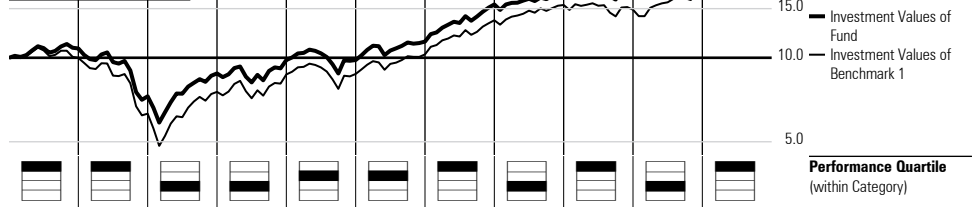
MFS Value's experienced managers and supporting analysts, sound process, and low fees all inspire confidence that it will continue outperforming over a full market cycle. This fund earns a Morningstar Analyst Rating of Silver.

Steven Gorham has managed the fund since 2002; Nevin Chitkara joined as co-manager in May 2006. The duo taps the firm's analysts to carry out an investment process focused on identifying high-quality firms. The managers search for durable franchises with below-average business risk, significant free cash flow, solid balance sheets, and superior capital allocation records.

Valuation is an important part of the fund's process, although the team is more interested in buying industry-leading firms when they're out of favor than poorly run firms at fire-sale prices. As a result, the fund's price/earnings and price/book multiples and quality metrics such as return on invested capital and return on equity tend to be higher than the Russell 1000 Value Index benchmark and most large-value peers. Once the managers buy, they hold on for the long term, often for a decade or more. Annual turnover has averaged 13%

### Historical Profile

Return Above Avg  
 Risk Average  
 Rating ★★★★★ Above Avg



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	26.65	17.61	20.86	22.91	22.47	25.46	33.36	35.11	32.96	36.24	37.83	NAV
Total Return %	7.99	-32.65	20.82	11.68	0.01	16.44	35.86	10.55	-0.54	14.13	4.79	Total Return %
+/- Bmark 1	8.16	4.20	1.13	-3.82	-0.38	-1.07	3.33	-2.91	3.29	-3.21	1.52	+/- Bmark 1
+/- Bmark 2	2.50	4.35	-5.65	-3.38	-2.10	0.43	3.47	-3.14	-1.92	2.17	-1.28	+/- Bmark 2
Income Return %	1.64	1.50	2.10	1.72	1.92	2.23	2.20	2.38	2.10	2.23	0.40	Income Return %
Capital Return %	6.35	-34.15	18.72	9.96	-1.92	14.20	33.65	8.16	-2.63	11.90	4.39	Capital Return %
Total Rtn % Rank Cat	10	16	61	75	41	29	12	51	12	52	17	Total Rtn % Rank Cat
Income \$	0.44	0.40	0.37	0.36	0.44	0.50	0.56	0.79	0.73	0.73	0.14	Income \$
Capital Gains \$	1.94	0.00	0.00	0.00	0.00	0.18	0.58	0.92	1.24	0.62	0.00	Capital Gains \$
Expense Ratio %	0.78	0.76	0.79	0.73	0.70	0.70	0.68	0.65	0.65	0.65	—	Expense Ratio %
Income Ratio %	1.45	1.60	2.26	1.79	1.75	2.11	2.05	2.35	2.06	1.84	—	Income Ratio %
Turnover Rate %	26	31	33	22	17	14	12	13	12	12	—	Turnover Rate %
Net Assets \$mil	1,577	1,327	2,868	4,286	5,455	7,891	12,204	14,496	14,294	18,132	21,102	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	17.00			
3 Yr	9.08	+Avg	Avg	★★★★
5 Yr	13.07	+Avg	Avg	★★★★
10 Yr	7.16	+Avg	-Avg	★★★★
Incept	9.86			

### Other Measures

	Standard Index	Best Fit Index
Alpha	-1.0	0.7
Beta	0.98	0.96
R-Squared	95	95
Standard Deviation	10.43	
Mean	9.08	
Sharpe Ratio	0.87	

### Portfolio Analysis 02-28-17

Company	Sector	YTD Ret %	% Assets
JPMorgan Chase & Co	Finan Svcs	2.35	4.68
Philip Morris Internation	Cnsmr Def	24.54	3.66
Wells Fargo & Co	Finan Svcs	1.31	3.50
Johnson & Johnson	Hlth Care	6.50	3.44
Accenture PLC A	Technology	2.35	2.57
Goldman Sachs Group Inc	Finan Svcs	-13.38	2.42
Medtronic PLC	Hlth Care	13.70	2.38
US Bancorp	Finan Svcs	0.80	2.38
Pfizer Inc	Hlth Care	4.68	2.23
3M Co	Industrl	6.04	1.99
The Travelers Companies I	Finan Svcs	-0.99	1.94
Chubb Ltd	Finan Svcs	—	1.90
Honeywell International I	Industrl	7.63	1.87
PPG Industries Inc	Basic Mat	1.39	1.84
Johnson Controls Internat	Basic Mat	2.86	1.78
Citigroup Inc	Finan Svcs	0.93	1.72
CVS Health Corp	Hlth Care	0.11	1.62
Texas Instruments Inc	Technology	11.09	1.55
Abbott Laboratories	Hlth Care	16.31	1.52
Nestle SA	Cnsmr Def	—	1.52

### Current Investment Style

Value Blend Growth	Market Cap %	Sector Weightings	% of Stocks	Rel Bmark 1
	Giant 49.3	Cyclical	41.44	1.08
	Large 43.4	BasicMat	5.53	1.73
	Mid 7.4	CnsmrCyc	5.45	1.25
	Small 0.0	FinanSvcs	30.46	1.17
	Micro 0.0	Real Est	0.00	0.00
	Avg \$mil: 78,354	Sensitive	28.52	0.79
		CommSvcs	2.58	0.66
		Energy	4.72	0.39
		Industrl	15.05	1.55
		Technlgy	6.17	0.61
		Defensive	30.05	1.17
		CnsmrDef	11.75	1.34
		Hlthcare	17.13	1.58
		Utilities	1.17	0.19

### Composition - Net

Category	Percentage
Cash	1.3
Stocks	98.7
Bonds	0.0
Other	0.0
Foreign	5.9

# Oppenheimer Developing Markets I

Ticker ODVIX Yield 0.6% Total Assets \$31,642 mil Mstar Category Diversified Emerging Mkts

Benchmark 1: MSCI EM NR USD  
Benchmark 2: MSCI ACWI Ex USA NR USD

Morningstar Analyst Rating 09-28-16

Silver

## Morningstar Pillars

Process	⊕ Positive
Performance	⊕ Positive
People	⊕ Positive
Parent	○ Neutral
Price	⊕ Positive

## Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

## Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

## Pillar Spectrum

⊕ Positive Neutral Negative

## Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	0.23	-3.92	8.96	3.74	8.85
2014	-1.68	7.90	-3.46	-6.65	-4.39
2015	-1.23	0.87	-17.23	4.70	-13.67
2016	3.10	0.78	8.86	-5.07	7.38
2017	11.08	—	—	—	—

Trailing	Total	+/- Bmark	+/- Bmark	%Rank	Growth of
	Return%	1	2	Cat	\$10,000
3 Mo	11.08	-0.37	3.22	64	11,108
6 Mo	5.45	-1.35	-1.06	55	10,545
1 Yr	15.68	-1.54	2.55	58	11,568
3 Yr Avg	0.04	-1.14	-0.52	67	10,013
5 Yr Avg	2.51	1.70	-1.84	23	11,322
10 Yr Avg	—	—	—	—	—
15 Yr Avg	—	—	—	—	—

Tax Analysis	Tax Adj Rtn%	%Rank Cat	Tax-Cost Rat	%Rank Cat
3 Yr (estimated)	-0.35	59	0.39	40
5 Yr (estimated)	2.13	21	0.37	44
10 Yr (estimated)	—	—	—	—

Potential Capital Gain Exposure: 11% of assets

## Morningstar's Take by Patricia Oey 09-28-16

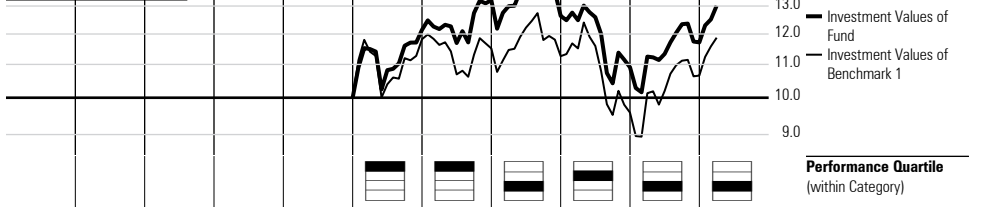
This fund's well-established process, reasonable fees, and strong long-term performance instill confidence, making it a solid choice for emerging-markets exposure. The fund earns a Morningstar Analyst Rating of Silver.

Lead portfolio manager Justin Levenenz focuses on firms he thinks will benefit from trends such as a growing middle class, new technology, restructuring, and aging. The portfolio tilts toward consumer companies and large-cap growth names. Developed-markets names, which typically account for about 20% of the portfolio, include European names Prada PRDSF and LVMH LVMHF, and Hong Kong companies AIA Group AAIGF and Hong Kong Exchanges and Clearing 00388.

What the fund doesn't own is just as important as what it does. Levenenz is benchmark-agnostic. The MSCI Emerging Markets Index includes many quasi-government-controlled large-cap companies, which often put political goals ahead of shareholder interests, making them unattractive long-term investments. The index has loads of cyclical, capital-intensive names, areas he tends to avoid. Instead, he prefers firms with good returns on invested capital and stable cash flows.

## Historical Profile

Return Above Avg  
Risk Average  
Rating ★★★★★  
Above Avg



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History	
—	—	—	—	—	28.98	34.88	37.57	35.06	29.98	31.96	35.50	NAV	
—	—	—	—	—	—	21.43	8.85	-4.39	-13.67	7.38	11.08	Total Return %	
—	—	—	—	—	—	3.21	11.45	-2.20	1.25	-3.81	-0.37	+/- Bmark 1	
—	—	—	—	—	—	4.60	-6.44	-0.52	-8.01	2.88	3.22	+/- Bmark 2	
—	—	—	—	—	—	1.04	0.61	0.79	0.85	0.76	0.00	Income Return %	
—	—	—	—	—	—	20.39	8.24	-5.18	-14.51	6.62	11.08	Capital Return %	
—	—	—	—	—	—	20	13	68	45	56	64	Total Rtn % Rank Cat	
—	—	—	—	—	—	0.30	0.21	0.30	0.30	0.23	0.00	Income \$	
—	—	—	—	—	—	0.00	0.18	0.60	0.00	0.00	0.00	Capital Gains \$	
—	—	—	—	—	—	0.88	0.88	0.86	0.87	0.88	—	Expense Ratio %	
—	—	—	—	—	—	1.46	0.87	0.87	0.95	0.87	—	Income Ratio %	
—	—	—	—	—	—	20	29	26	36	18	—	Turnover Rate %	
—	—	—	—	—	—	0	1,070	3,085	6,489	6,039	8,106	9,402	Net Assets \$mil

## Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	15.68			
3 Yr	0.04	Avg	Avg	★★★
5 Yr	2.51	+Avg	Avg	★★★★
10 Yr	—	—	—	—
Incept	5.19	—	—	—

Other Measures	Standard Index	Best Fit Index
Alpha	-0.3	-1.0
Beta	1.06	0.87
R-Squared	77	89
Standard Deviation	14.86	—
Mean	0.04	—
Sharpe Ratio	0.06	—

## Portfolio Analysis 02-28-17

### Total Stocks: 88

Share change since 01-31-17	Sector	Country	% Assets
Alibaba Group Holding Ltd	Cnsmr Cyc	China	5.79
⊕ Tencent Holdings Ltd	Technology	China	4.96
⊕ Taiwan Semiconductor Manu	Technology	Taiwan	4.89
⊖ Housing Development Finan	Finan Svcs	India	4.55
⊕ NOVATEK JSC GDR	Energy	Russia	3.26
Magnit PJSC	Cnsmr Def	Russia	2.96
⊖ Oppenheimer Institutional	—	United States	2.93
⊕ Infosys Ltd	Technology	India	2.72
Master China Series 1	—	United States	2.61
AIA Group Ltd	Finan Svcs	Hong Kong	2.32
⊖ Baidu Inc ADR	Technology	China	2.11
BMF Bovespa SA Bolsa Valo	Finan Svcs	Brazil	1.97
Ctrip.com International L	Cnsmr Cyc	China	1.92
LVMH Moet Hennessy Louis	Cnsmr Cyc	France	1.77
Zee Entertainment Enterpr	Cnsmr Cyc	India	1.66
DP World Ltd	Industrl	ARE	1.62
Jardine Strategic Holding	Industrl	Singapore	1.59
⊕ Sberbank of Russia PJSC A	Finan Svcs	Russia	1.59
Kering	Cnsmr Cyc	France	1.56
⊖ Lojas Americanas SA Pfd S	Cnsmr Cyc	Brazil	1.50

## Current Investment Style

Value Blend Growth	Market Cap %
	Giant 59.6
	Large 36.6
	Mid 3.6
	Small 0.2
	Micro 0.0

Sector Weightings	% of Stocks	% Rel Bmark 1
Cyclical	52.98	1.16
BasicMat	3.62	0.46
CnsmrCyc	24.52	2.17
FinanSvcs	22.16	0.93
Real Est	2.68	1.01
Sensitive	28.26	0.67
CommSvcs	0.00	0.00
Energy	3.50	0.51
Industrl	4.94	0.97
Techlgy	19.82	0.81
Defensive	18.75	1.56
CnsmrDef	13.41	1.97
Hlthcare	5.34	2.27
Utilities	0.00	0.00

Value Measures	Rel Category
Price/Earnings	17.15 1.33
Price/Book	2.55 1.38
Price/Sales	2.08 1.45
Price/Cash Flow	9.78 1.82
Dividend Yield %	4.08 1.36
Growth Measures	% Rel Category
Long-Term Ernrgs	15.00 1.18
Book Value	8.30 -245.78
Sales	1.63 -0.31
Cash Flow	7.92 8.82
Historical Ernrgs	5.08 -0.75

## Composition - Net

Cash	2.9	Bonds	0.0
Stocks	93.0	Other	4.1
Foreign (% of Stock)	99.4		

Regional Exposure	% Stock
UK/W. Europe	8 N. America 1
Japan	2 Latn America 14
Asia X Japan	60 Other 16

## Country Exposure

China	22	Brazil	8
India	16	Taiwan	5
Russia	9		

Address: Oppenheimer Developing Markets Fund  
Centennial CO 80112-3924  
800-225-5677

Web Address: www.oppenheimerfunds.com

Inception: 12-29-11

Advisor: OFI Global Asset Management, Inc.

Subadvisor: OppenheimerFunds Inc

Minimum Purchase: \$1000000 Add: — IRA: —

Min Auto Inv Plan: — Add: —

Sales Fees: No-load

Management Fee: 1.00% mx./0.73% mn.

Actual Fees: Mgt:0.78% Dist:—

Expense Projections: 3Yr:\$282 5Yr:\$490 10Yr:\$1089

Income Distribution: Annually

# T. Rowe Price Short-Term Bond

Ticker: PRWBX Yield: 1.6% SEC Yield: 1.54% Total Assets: \$5,136 mil Mstar Category: Short-Term Bond

Benchmark 1: BBgBarc US Govt/Credit 1-5 Yr TR USD  
 Benchmark 2: BBgBarc US Agg Bond TR USD

Morningstar Analyst Rating 01-13-17

Neutral

### Morningstar Pillars

- Process: ● Neutral
- Performance: ● Neutral
- People: ⊕ Positive
- Parent: ⊕ Positive
- Price: ⊕ Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	0.18	-0.63	0.39	0.36	0.30
2014	0.36	0.60	-0.27	-0.09	0.60
2015	0.73	-0.05	0.16	-0.25	0.60
2016	0.80	0.81	0.40	-0.43	1.58
2017	0.64				

### Trailing

Period	Total Return%	+/- Bmark	+/- Bmark	%Rank	Growth of \$10,000
3 Mo	0.64	0.07	-0.18	41	10,064
6 Mo	0.20	0.69	2.38	43	10,020
1 Yr	1.42	0.90	0.98	50	10,142
3 Yr Avg	1.02	-0.36	-1.66	55	10,309
5 Yr Avg	1.08	-0.22	-1.26	62	10,553
10 Yr Avg	2.52	-0.43	-1.75	45	12,832
15 Yr Avg	2.87	-0.46	-1.77	48	15,278

### Tax Analysis

Period	Tax Adj Rtn%	%Rank	Cat	Tax-Cost Rat	%Rank
3 Yr (estimated)	0.36	47		0.65	53
5 Yr (estimated)	0.42	59		0.66	51
10 Yr (estimated)	1.59	45		0.91	52

Potential Capital Gain Exposure: -2% of assets

### Morningstar's Take by Cara Esser, CFA 01-13-17

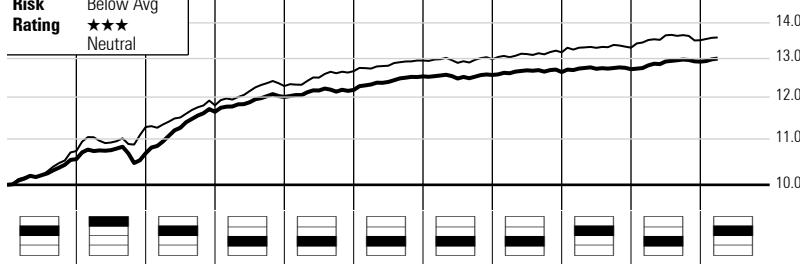
T. Rowe Price Short-Term Bond is led by a capable team of experienced managers who have full access to the firm's fixed-income resources, but long-term returns have not stood out in the competitive short-term bond Morningstar Category. The fund earns a Morningstar Analyst Rating of Neutral.

In January 2015, the fund's longtime lead manager Ted Wiese was tapped to lead both the firm's fixed-income group and fixed-income steering committee after the group's former head, Mike Gitlin, left for Capital Group. At that time, Mike Reinartz was named manager (he became an associate portfolio manager here in 2012) and officially succeeded Wiese in January 2017. Reinartz, who has been working with Wiese for more than a decade, has been responsible for the day-to-day management since 2015, and Wiese remained actively involved in strategy.

The managers believe short-duration returns come primarily from income generation rather than capital appreciation. As a result, the team has historically emphasized investment-grade corporates and securitized products, such as mortgage- and asset-backed

### Historical Profile

Return: Average  
 Risk: Below Avg  
 Rating: ★★  
 Neutral



Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	4.73	4.59	4.83	4.85	4.81	4.85	4.79	4.75	4.71	4.71	4.72	NAV
Total Return %	5.48	1.23	9.00	3.13	1.46	2.86	0.30	0.60	0.60	1.58	0.64	Total Return %
+/- Bmark 1	-1.79	-3.89	4.38	-0.95	-1.68	0.62	0.01	-0.83	-0.37	0.02	0.07	+/- Bmark 1
+/- Bmark 2	-1.49	-4.01	3.07	-3.41	-6.38	-1.36	2.32	-5.37	0.05	-1.07	-0.18	+/- Bmark 2
Income Return %	4.60	4.28	3.71	2.73	2.30	2.03	1.54	1.44	1.45	1.59	0.42	Income Return %
Capital Return %	0.88	-3.05	5.29	0.40	-0.84	0.83	-1.24	-0.85	-0.85	-0.01	0.21	Capital Return %
Total Rtn % Rank Cat	29	24	49	67	51	61	55	69	26	59	41	Total Rtn % Rank Cat
Income \$	0.21	0.20	0.17	0.13	0.11	0.10	0.07	0.07	0.07	0.07	0.07	Income \$
Capital Gains \$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Capital Gains \$
Expense Ratio %	0.55	0.55	0.55	0.60	0.54	0.53	0.51	0.52	0.52	0.52	—	Expense Ratio %
Income Ratio %	4.30	4.37	4.00	2.88	2.20	1.85	1.29	1.12	1.09	1.20	—	Income Ratio %
Turnover Rate %	70	59	32	28	72	92	67	46	53	44	—	Turnover Rate %
Net Assets \$mil	1,561	1,860	3,865	5,110	5,328	5,848	6,160	6,314	5,563	4,258	—	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	1.42			
3 Yr	1.02	Avg	Avg	★★★
5 Yr	1.08	Avg	-Avg	★★★
10 Yr	2.52	Avg	-Avg	★★★
Incept	5.07			

### Other Measures

Measure	Standard Index	Best Fit Index
Alpha	0.3	0.3
Beta	0.21	0.17
R-Squared	54	64
Standard Deviation	0.85	
Mean	1.02	
Sharpe Ratio	0.98	

### Portfolio Analysis 12-31-16

Instrument	Date of Maturity	Amount '000	Value \$'000	% Assets
<b>Total Fixed Income: 780</b>				
US Treasury Note 1%	11-15-19	177,840	175,645	3.40
US Treasury Note 0.875%	10-15-18	58,420	58,137	1.13
US Treasury Note 1.25%	01-31-20	52,970	52,564	1.02
Morgan Stanley FRN	01-24-19	41,265	41,465	0.80
US Treasury Note 1.625%	11-30-20	38,255	38,076	0.74
Ford Credit Firpln Tr A	08-15-19	34,200	34,223	0.66
Goldman Sachs Grp 6.15%	04-01-18	32,155	33,793	0.65
Hutchison Whampoa 144A	10-31-17	33,310	33,232	0.64
Swedbank Ab 144A 1.75%	03-12-18	32,085	32,053	0.62
Ally Mstr Ownr Tr 2015-	05-15-20	30,630	30,590	0.59
Exxon Mobil FRN	03-06-22	29,120	28,927	0.56
FNMA 3.5%	11-01-44	26,904	27,668	0.54
Keysight Tech 3.3%	10-30-19	27,390	27,809	0.54
Murphy Oil 2.5%	12-01-17	27,157	27,327	0.53
Stanley Black & Decker	11-17-18	27,105	27,355	0.53
US Treasury Note 0.875%	06-15-19	27,305	27,015	0.52
Jd Com 3.125%	04-29-21	26,880	26,578	0.51
Sba Tower Tr 2012-1 CMO	12-15-42	26,120	26,114	0.51
Abbvie 1.8%	05-14-18	25,975	25,994	0.50
Hewlett Packard Entrp 2	10-05-17	25,815	25,956	0.50

### Current Investment Style

Duration	Mod	Ext	Quality
Ltd			High
Med			Med
Ext			Low

1 figure provided by fund

Measure	Value	% of Bonds
Avg Eff Duration <sup>1</sup>	1.8 Yrs	
Avg Eff Maturity	1.9 Yrs	
Avg Credit Quality	A	
Avg Wtd Coupon	2.39%	
Avg Wtd Price	100.77% of par	

Coupon Range	% of Bonds
0% PIK	0.0
0% to 4%	88.3
4% to 6%	7.1
6% to 8%	4.2
8% to 10%	0.5
More than 10%	0.0

### Credit Analysis

Rating	%	% of Bonds	
AAA	43	BB	4
AA	5	B	1
A	15	Below B	0
BBB	32	Not Rated	0

### Sector Breakdown

Sector	% Assets
Government	7
Government Related	0
Corporate	46
Agency MBS	9
Non-Agency Residential MBS	2
Commercial MBS	8
Covered Bond	0
Asset Backed	22
Municipal	0
Cash & Equivalents	6
Other	0

### Composition - Net

Category	% Net
Cash	6.3
Bonds	92.8
Stocks	0.0
Other	0.9

### Special Securities

Category	% Assets
Restricted/Illicit Secs	22
Emerging-Markets Secs	2
Options/Futures/Warrants	0

Address: T. Rowe Price Short-term Bond Fd, Inc.  
 Baltimore MD 21202  
 800-638-5660  
 Web Address: www.troweprice.com  
 Inception: 03-02-84  
 Advisor: T. Rowe Price Associates, Inc.  
 Subadvisor: None

Minimum Purchase: \$2500 Add: \$100 IRA: \$1000  
 Min Auto Inv Plan: \$2500 Add: \$100  
 Sales Fees: No-load  
 Management Fee: 0.05%  
 Actual Fees: Mgt:0.34% Dist:0.00%  
 Expense Projections: 3Yr:\$151 5Yr:\$263 10Yr:\$591  
 Income Distribution: Monthly

# PIMCO Total Return Instl

Benchmark 1: BBGBarc US Agg Bond TR USD  
 Benchmark 2: BBGBarc US Agg Bond TR USD

Morningstar Analyst Rating 05-19-16



### Morningstar Pillars

- Process + Positive
- Performance + Positive
- People + Positive
- Parent + Positive
- Price + Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	0.60	-3.60	1.17	-0.03	-1.92
2014	1.30	2.37	-0.36	1.32	4.69
2015	2.22	-1.84	-0.09	0.48	0.73
2016	1.79	2.07	1.24	-2.46	2.60
2017	1.63	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank Cat	Growth of \$10,000
3 Mo	1.63	0.81	0.81	10	10,163
6 Mo	-0.87	1.31	1.31	19	9,913
1 Yr	2.44	2.00	2.00	29	10,244
3 Yr Avg	2.77	0.09	0.09	28	10,855
5 Yr Avg	2.96	0.62	0.62	28	11,569
10 Yr Avg	5.61	1.34	1.34	4	17,266
15 Yr Avg	5.66	1.03	1.03	8	22,831

### Tax Analysis

	Tax Adj Rtn%	%Rank Cat	Tax-Cost Rat	%Rank Cat
3 Yr (estimated)	0.93	62	1.80	98
5 Yr (estimated)	1.19	50	1.71	96
10 Yr (estimated)	3.55	8	1.95	96

Potential Capital Gain Exposure: 0% of assets

### Morningstar's Take by Eric Jacobson 05-19-16

Sharp market shifts have meant ups and downs in performance, pressuring the fund's three- and five-year returns but not its long-term record. Given our overall confidence in PIMCO and this fund's management, it continues to earn a Morningstar Analyst Rating of Bronze.

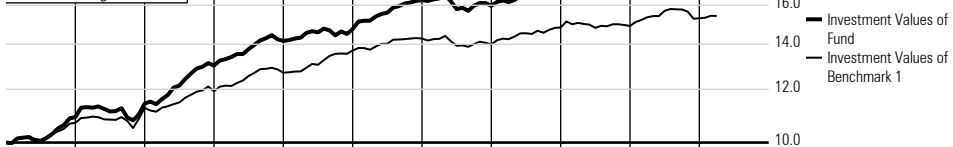
Even under Bill Gross, the backbone of PIMCO's success had been a massive staff of managers and analysts. Major cracks in that foundation would have been a red flag, but they haven't materialized. There has been minimal turnover, and the team here appears to be finding balance among its three leaders. The firm's senior leaders have big earnings potential linked to profitability and retention incentives that, parsed over time, will continue through June 2017. The staff has also been augmented, in some cases by senior-level returnees to the firm.

This fund continues to benefit from the breadth of its resources. It is led by Scott Mather, Mihir Worah, and Mark Kiesel (a 2012 Morningstar Fund Manager of the Year), along with the overall leadership of group CIO Dan Ivascyn (himself a 2013 winner of the award). The latter is a crucial component for any PIMCO-led offering given

**Ticker** PSTRX **Yield** 3.0% **SEC Yield** 2.99% **Total Assets** \$74,232 mil **Mstar Category** Intermediate-Term Bond

### Historical Profile

**Risk** High  
**Risk** High  
**Rating** ★★★★★ Highest



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
10.69	10.14	10.80	10.85	10.87	11.24	10.69	10.66	10.07	10.03	10.12	NAV	
9.07	4.82	13.83	8.83	4.16	10.36	-1.92	4.69	0.73	2.60	1.63	Total Return %	
2.11	-0.42	7.90	2.29	-3.68	6.15	0.10	-1.27	0.18	-0.05	0.81	+/- Bmark 1	
2.11	-0.42	7.90	2.29	-3.68	6.15	0.10	-1.27	0.18	-0.05	0.81	+/- Bmark 2	
5.26	5.25	6.01	3.33	4.00	4.47	2.39	4.23	2.94	3.05	0.73	Income Return %	
3.81	-0.43	7.82	5.50	0.17	5.89	-4.31	0.46	-2.21	-0.45	0.90	Capital Return %	
1	11	46	26	87	12	60	71	15	63	10	Total Rtn % Rank Cat	
0.53	0.55	0.59	0.35	0.43	0.47	0.27	0.44	0.31	0.30	0.07	Income \$	
0.07	0.49	0.11	0.54	0.00	0.27	0.07	0.08	0.36	0.00	0.00	Capital Gains \$	
0.43	0.49	0.63	0.47	0.46	0.46	0.46	0.46	0.46	0.47	—	Expense Ratio %	
4.82	5.15	5.37	4.07	2.92	3.11	2.54	2.10	2.11	3.27	—	Income Ratio %	
257	226	300	402	430	584	227	227	265	4	—	Turnover Rate %	
69,945	80,240	115,919	138,794	144,429	175,137	150,959	85,898	59,149	52,868	—	Net Assets \$mil	

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	2.44			
3 Yr	2.77	+Avg	High	★★★★
5 Yr	2.96	+Avg	High	★★★★
10 Yr	5.61	High	+Avg	★★★★★
Incept	7.39			

### Other Measures

	Standard Index	Best Fit Index
Alpha	0.1	0.1
Beta	0.99	0.74
R-Squared	77	79
Standard Deviation	3.31	
Mean	2.77	
Sharpe Ratio	0.78	

### Portfolio Analysis 12-31-16

Total Fixed Income: 7960	Date of Maturity	Amount 000	Value \$000	% Assets
FNMA	02-13-47	6,125,500	6,269,186	8.25
FNMA 4% TBA	02-13-47	5,819,215	6,110,062	8.04
FNMA	01-18-47	4,891,250	5,013,531	6.59
FNMA	01-18-47	4,626,650	4,596,539	6.05
US Treasury Bond 3.125%	08-15-44	3,942,057	3,990,718	5.25
FNMA 4% TBA	01-18-47	3,034,930	3,190,885	4.20
FNMA 4.5% TBA	01-18-47	1,918,800	2,064,134	2.72
US Treasury Note 2.25%	11-15-24	1,894,716	1,883,429	2.48
US Treasury TIP 1.75%	01-15-28	1,661,473	1,856,862	2.44
FNMA	02-13-47	1,834,350	1,819,653	2.39
US Treasury Bond 3%	11-15-44	1,839,746	1,817,862	2.39
US Treasury Bond	01-15-27	1,474,034	1,728,314	2.27
US Treasury Bond	01-15-29	1,265,699	1,528,358	2.01
US Treasury Bond 2.75%	11-15-42	1,424,000	1,345,347	1.77
Lloyds Tsb Bk 144A FRN	—	973,800	1,302,458	1.71
Brazil Federative Rep	07-01-17	4,467	1,294,902	1.70
Iro Usd 10y P 2.37500 M	02-08-17	2,424,500	1,189,493	1.56
Fed Natl Mort Assc 3.5%	01-15-29	1,036,300	1,079,715	1.42
US Treasury Bond	01-15-26	955,590	1,077,447	1.42
Brazil Federative Rep	10-01-17	3,572	1,008,848	1.33

### Current Investment Style

Duration	Mod	Ext	Quality
Ltd			High
Mod			Med
Ext			Low

1 figure provided by fund

Avg Eff Duration <sup>1</sup>	5.8 Yrs
Avg Eff Maturity	8.4 Yrs
Avg Credit Quality	—
Avg Wtd Coupon	3.64%
Avg Wtd Price	—

### Sector Breakdown

Sector	% Assets
Government	21
Government Related	3
Corporate	13
Agency MBS	4
Non-Agency Residential MBS	2
Commercial MBS	27
Covered Bond	0
Asset Backed	3
Municipal	1
Cash & Equivalents	10
Other	16

### Coupon Range

% of Bonds	
0% PIK	4.5
0% to 4%	73.5
4% to 6%	13.8
6% to 8%	5.0
8% to 10%	0.9
More than 10%	2.3

### Credit Analysis

% bonds			
AAA	—	BB	—
AA	—	B	—
A	—	Below B	—
BBB	—	Not Rated	—

### Composition - Net

Cash	-34.3	Bonds	133.8
Stocks	0.0	Other	0.5

### Special Securities

Restricted/Illiquid Secs	14
Emerging-Markets Secs	9
Options/Futures/Warrants	0

Address:	PIMCO Investments LLC distributor New York NY 10019 888-877-4626	Minimum Purchase:	\$1000000	Add: —	IRA: —
Web Address:	www.pimco.com	Min Auto Inv Plan:	—	Add: —	
Inception:	05-11-87	Sales Fees:	No-load		
Advisor:	Pacific Investment Management Co LLC ("PIMCO")	Management Fee:	0.25%, 0.21%A		
Subadvisor:	None	Actual Fees:	Mgt:0.46% Dist:—		
		Expense Projections:	3Yr:\$151 5Yr:\$263 10Yr:\$591		
		Income Distribution:	Monthly		

# Vanguard Short-Term Federal Adm

Ticker: VSGDX Yield: 1.2% SEC Yield: 1.39% Total Assets: \$5,624 mil Mstar Category: Short Government

Benchmark 1: BBGBarc Government 1-5 Yr TR USD  
 Benchmark 2: BBGBarc US Agg Bond TR USD

Morningstar Analyst Rating 01-04-17



### Morningstar Pillars

- Process: Neutral
- Performance: Positive
- People: Neutral
- Parent: Positive
- Price: Positive

### Morningstar Analyst Rating

Morningstar evaluates mutual funds based on five key pillars, which its analysts believe lead to funds that are more likely to outperform over the long term on a risk-adjusted basis.

### Analyst Rating Spectrum

Gold Silver Bronze Neutral Negative

### Pillar Spectrum

Positive Negative Neutral

### Performance 03-31-17

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total
2013	0.10	-0.87	0.53	-0.01	-0.25
2014	0.36	0.53	-0.01	0.39	1.27
2015	0.65	-0.05	0.63	-0.40	0.83
2016	1.30	0.67	0.12	-0.84	1.24
2017	0.39	—	—	—	—

### Trailing

	Total Return%	+/- Bmark	+/- Bmark	%Rank Cat	Growth of \$10,000
3 Mo	0.39	0.00	-0.43	15	10,039
6 Mo	-0.46	0.29	1.72	47	9,954
1 Yr	0.33	0.46	-0.11	22	10,033
3 Yr Avg	1.12	0.03	-1.56	11	10,340
5 Yr Avg	0.94	0.04	-1.40	10	10,479
10 Yr Avg	2.69	0.04	-1.59	14	13,035
15 Yr Avg	3.02	0.03	-1.61	17	15,636

### Tax Analysis

	Tax Adj Rtn%	%Rank Cat	Tax-Cost Rat	%Rank Cat
3 Yr (estimated)	0.60	3	0.51	60
5 Yr (estimated)	0.47	3	0.46	58
10 Yr (estimated)	1.85	6	0.82	66

Potential Capital Gain Exposure: -1% of assets

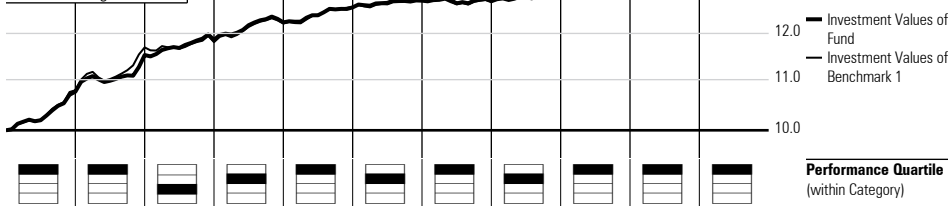
### Morningstar's Take by Brian Moriarty 01-04-17

Vanguard Short-Term Federal invests the bulk of its portfolio in short-dated government-backed debt. Manager Brian Quigley took the helm in January 2015, and thus far the fund has maintained the strong track record that was established under previous manager Ron Reardon, who is now a part of Vanguard's senior fixed-income strategy group and remains involved in this fund's process.

Like other Vanguard fixed-income offerings, this fund is run with little deviation from its benchmark, the Bloomberg Barclays U.S. Government 1-5 Year Index. It invests primarily in agency debt issued by the government-sponsored Federal Home Loan Mortgage Association (Freddie Mac) and the Federal National Mortgage Association (Fannie Mae). The high-quality government-backed holdings combine with the fund's 2.3-year duration (roughly one half-year short of the index) to create a very conservative portfolio. Roughly 91% of assets mature in five years or less, compared with about 55% for the typical short-government Morningstar Category peer, which means the fund should hold up better than most in interest-rate sell-offs.

### Historical Profile

Return: High  
 Risk: Average  
 Rating: ★★★★★  
 Highest



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	03-17	History
NAV	10.56	10.87	10.73	10.76	10.84	10.80	10.70	10.76	10.71	10.69	10.69	NAV
Total Return %	7.53	7.15	2.89	3.36	2.86	1.54	-0.25	1.27	0.83	1.24	0.39	Total Return %
+/- Bmark 1	-0.29	-1.26	1.90	-0.21	-0.34	0.57	-0.13	0.09	-0.10	0.22	-0.01	+/- Bmark 1
+/- Bmark 2	0.57	1.91	-3.04	-3.18	-4.98	-2.68	1.78	-4.69	0.28	-1.41	-0.43	+/- Bmark 2
Income Return %	4.72	4.13	2.58	1.73	1.13	0.68	0.63	0.71	0.97	1.18	0.33	Income Return %
Capital Return %	2.82	3.02	0.31	1.63	1.73	0.85	-0.87	0.56	-0.14	0.06	0.06	Capital Return %
Total Rtn % Rank Cat	9	19	52	35	25	31	23	33	12	7	15	Total Rtn % Rank Cat
Income \$	0.47	0.43	0.28	0.18	0.12	0.07	0.07	0.08	0.10	0.13	0.04	Income \$
Capital Gains \$	0.00	0.00	0.17	0.14	0.11	0.13	0.01	0.00	0.04	0.03	0.01	Capital Gains \$
Expense Ratio %	0.10	0.10	0.11	0.12	0.10	0.10	0.10	0.10	0.10	0.10	—	Expense Ratio %
Income Ratio %	4.20	4.58	3.93	2.39	1.61	1.07	0.66	0.64	0.71	0.98	—	Income Ratio %
Turnover Rate %	89	70	109	370	211	411	436	418	361	314	—	Turnover Rate %
Net Assets \$mil	1,299	1,426	2,470	3,386	3,464	3,761	4,187	4,056	4,281	4,908	4,798	Net Assets \$mil

### Rating and Risk

Time Period	Load-Adj Return %	Morningstar Rtn vs Cat	Morningstar Risk vs Cat	Morningstar Risk-Adj Rating
1 Yr	0.33			
3 Yr	1.12	High	Avg	★★★★★
5 Yr	0.94	High	Avg	★★★★★
10 Yr	2.69	+Avg	Avg	★★★★
Incept	3.26			

### Other Measures

	Standard Index	Best Fit Index
Alpha	0.2	0.3
Beta	0.31	0.44
R-Squared	78	94
Standard Deviation	1.04	
Mean	1.12	
Sharpe Ratio	0.89	

### Portfolio Analysis 12-31-16

Total Fixed Income: 714	Date of Maturity	Amount 000	Value \$000	% Assets
FNMA	10-09-19	275,300	262,259	4.53
US Treasury Note 0.625%	09-30-17	250,000	249,610	4.31
FHLMC 0.875%	10-12-18	220,210	218,977	3.78
FHLBA 1.25%	01-16-19	207,900	207,798	3.59
FHLMC 1.125%	04-15-19	167,250	166,427	2.88
FHLMC 1.05%	02-26-18	150,000	149,888	2.59
Resolution Fdg Fed Bk P	10-15-19	124,331	118,964	2.06
FNMA 1%	10-24-19	113,500	111,938	1.93
FHLMC 0.875%	07-19-19	109,200	107,685	1.86
Financing Corp Prin Fic	05-11-18	108,000	106,314	1.84
US Treasury Note 2.125%	08-15-21	99,800	100,657	1.74
FNMA 1%	02-26-19	94,150	93,565	1.62
FNMA 0.75%	07-27-18	90,000	89,303	1.54
Resolution Fdg Fed Bk P	07-15-20	93,000	87,167	1.51
FHLMC 1.25%	10-02-19	86,550	85,988	1.49
FNMA 1.125%	12-14-18	86,150	85,953	1.49
FHLBA 0.875%	08-05-19	83,500	82,301	1.42
FNMA 1.15%	11-29-19	77,500	76,563	1.32
FHLBA 1.375%	03-09-18	75,700	76,056	1.31
FHLMC 1.05%	11-07-18	75,000	74,599	1.29

### Current Investment Style

Duration	Mod	Ext	Quality
1			High
			Med
			Low

1 figure provided by fund

Avg Eff Duration<sup>1</sup>: 2.4 Yrs  
 Avg Eff Maturity: 3.0 Yrs  
 Avg Credit Quality: AA  
 Avg Wtd Coupon: 1.47%  
 Avg Wtd Price: 99.37% of par

### Coupon Range

% of Bonds
0% PIK: 14.5
0% to 4%: 82.7
4% to 6%: 2.9
6% to 8%: 0.0
8% to 10%: 0.0
More than 10%: 0.0

### Credit Analysis

% bonds 12-31-16
AAA: 99
AA: 0
A: 0
BBB: 0
BB: 0
B: 0
Below B: 0
Not Rated: 1

### Sector Breakdown

% Assets
Government: 15
Government Related: 33
Corporate: 10
Agency MBS: 13
Non-Agency Residential MBS: 0
Commercial MBS: 27
Covered Bond: 0
Asset Backed: 0
Municipal: 0
Cash & Equivalents: 1
Other: 0

### Composition - Net

Cash	Bonds	Other
1.1	98.9	0.0
0.0	0.0	0.0

### Special Securities

Restricted/Illiquid Secs: 0
Emerging-Markets Secs: 1
Options/Futures/Warrants: 0

Address: Vanguard Fixed Income Securities Funds  
 Valley Forge PA 19482  
 800-662-7447  
 www.vanguard.com  
 Inception: 02-12-01  
 Advisor: Vanguard Group Inc  
 Subadvisor: None

Minimum Purchase: \$50000 Add: \$1 IRA: —  
 Min Auto Inv Plan: — Add: —  
 Sales Fees: No-load  
 Management Fee: 0.08%  
 Actual Fees: Mgt:0.08% Dist:—  
 Expense Projections: 3Yr:\$32 5Yr:\$56 10Yr:\$128  
 Income Distribution: Monthly