



Capital Cities

INSTITUTIONAL INVESTING MADE PERSONAL

Performance & Evaluation Annual Report  
For Year Ending December, 2016

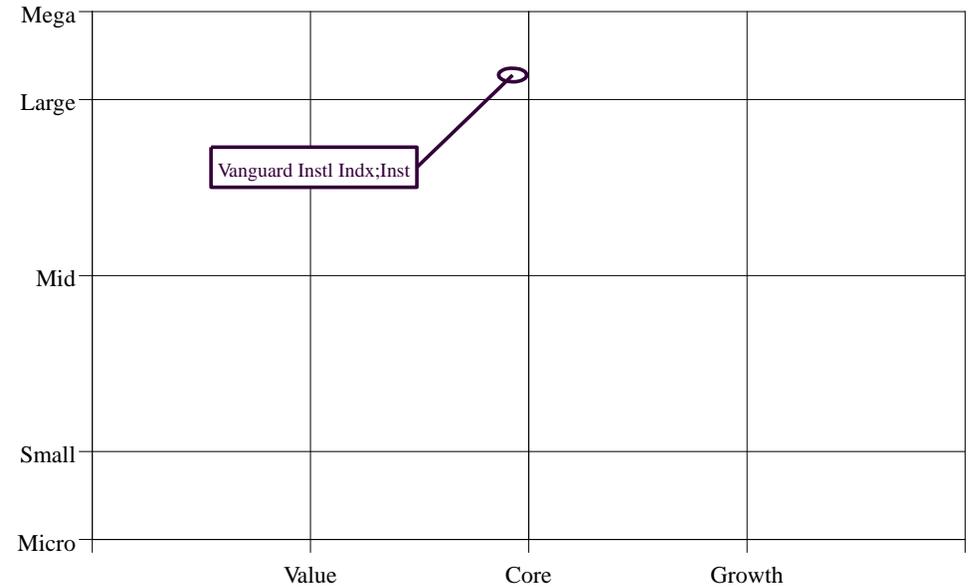
Prepared for:

State of Indiana Public Employees Deferred Compensation 457/401(a) Plans

**VANGUARD INSTITUTIONAL INDEX  
STYLE: LARGE CAP CORE – PASSIVE  
YEAR ENDED DECEMBER 31, 2016**

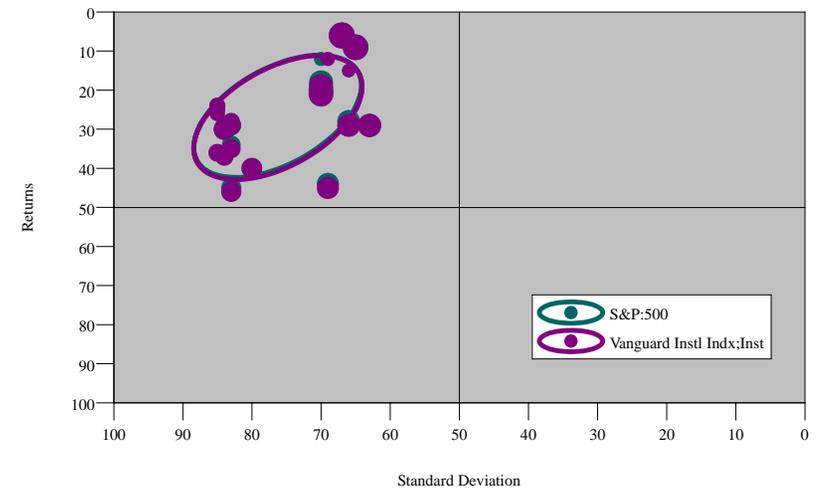
Organization	Vanguard Funds
Product Name	Institutional Index
Fund Inception	August 31, 1976
Ownership Structure	Client-owned Mutual Fund Company
Firm Information	Located in Valley Forge, Pennsylvania; Founded in 1975 with over \$3.5 trillion in assets under management.
Investment Strategy	Fund seeks to mirror holdings and portfolio characteristics of the S&P 500 Index.
Key Professionals	Donald Butler and Scott Geiger
Index	S&P 500
Assets In Product	\$508.5 billion
Fees	4 bps
Vehicle Type	Mutual Fund (VINIX)

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016



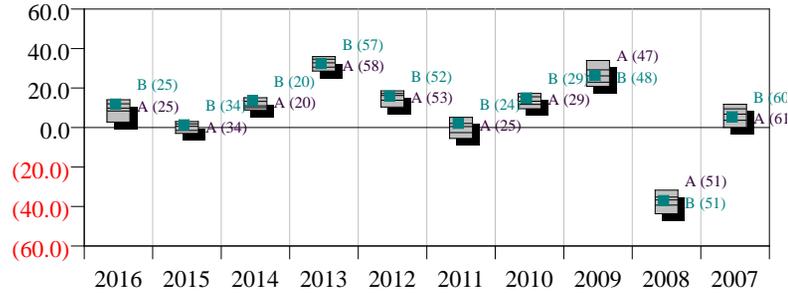
Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Vanguard Institutional Index	\$90,273,544	8.3%	18,400

**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

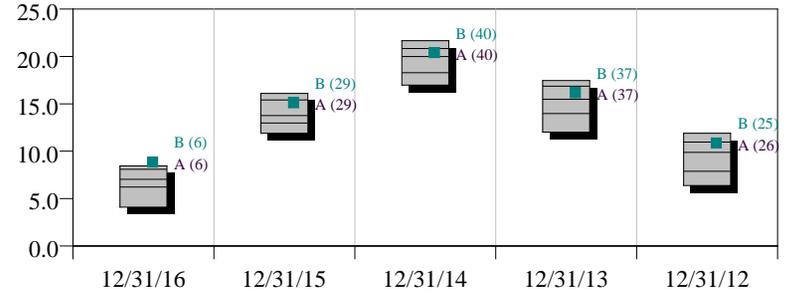


# VANGUARD INSTITUTIONAL INDEX STYLE: LARGE CAP CORE – PASSIVE YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



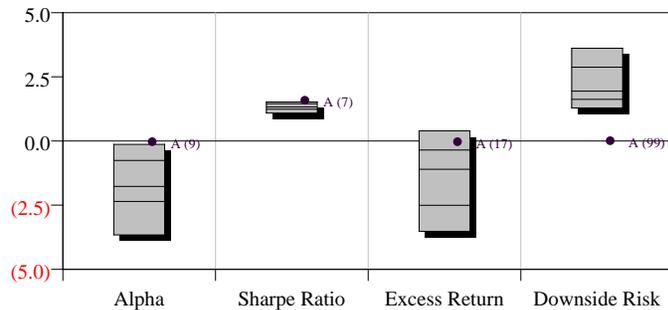
10th Percentile	14.10	3.07	15.11	35.98	18.58	5.21	17.32	33.99	(31.69)	11.79
25th Percentile	11.97	1.87	13.28	34.55	17.24	2.07	15.58	29.23	(35.22)	9.46
Median	9.86	0.59	10.99	32.79	16.18	0.45	13.30	26.18	(36.68)	6.81
75th Percentile	8.36	(1.48)	10.06	30.56	13.84	(2.61)	11.75	22.94	(39.31)	3.65
90th Percentile	2.79	(2.95)	8.92	28.64	10.44	(5.50)	9.56	20.86	(43.66)	0.10

10th Percentile	8.46	16.11	21.67	17.46	11.90
25th Percentile	8.10	15.41	20.84	16.86	10.96
Median	7.04	13.76	19.99	15.48	9.88
75th Percentile	6.21	12.97	18.28	13.97	7.88
90th Percentile	4.10	11.91	16.98	12.03	6.38

Vanguard Instl Indx;Inst	● A	11.93	1.37	13.65	32.35	15.98	2.09	15.05	26.63	(36.95)	5.47
S&P:500	■ B	11.96	1.38	13.69	32.39	16.00	2.11	15.06	26.47	(37.00)	5.49

Vanguard Instl Indx;Inst	● A	8.85	15.10	20.38	16.15	10.85
S&P:500	■ B	8.87	15.13	20.41	16.18	10.87

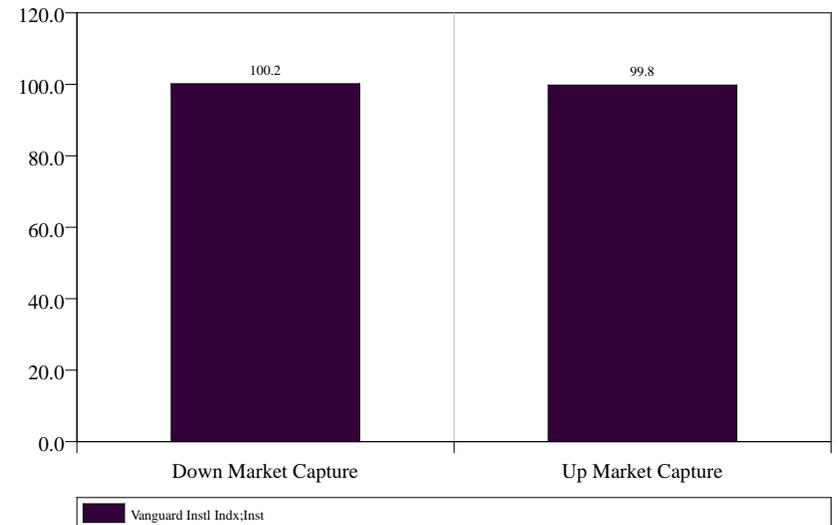
Statistics relative to S&P:500  
for 5 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



10th Percentile	(0.13)	1.52	0.40	3.62
25th Percentile	(0.76)	1.45	(0.35)	2.88
Median	(1.77)	1.33	(1.10)	1.95
75th Percentile	(2.35)	1.24	(2.51)	1.62
90th Percentile	(3.65)	1.09	(3.52)	1.29

Vanguard Instl Indx;Inst	● A	(0.03)	1.59	(0.03)	0.01
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Statistics relative to S&P:500  
for 5 Years Ended December 31, 2016



**DOMINI IMPACT EQUITY  
STYLE: LARGE CAP CORE  
YEAR ENDED DECEMBER 31, 2016**

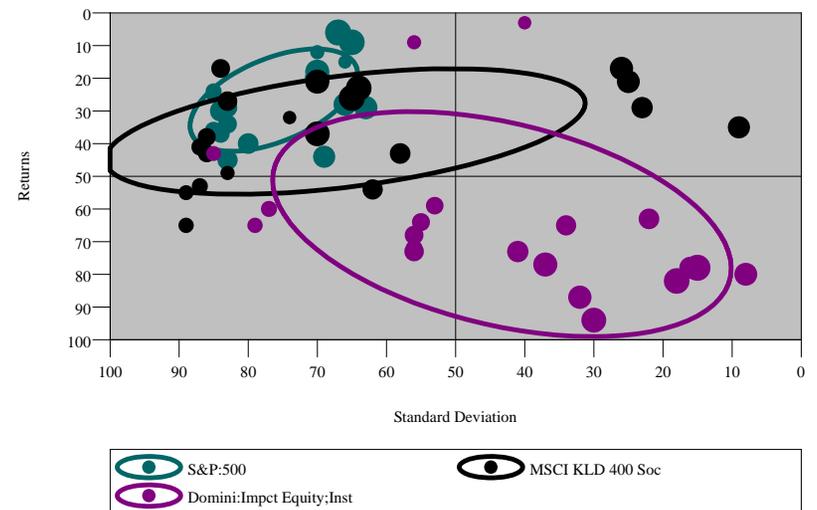
<b>Organization</b>	<b>Domini</b>
Product Name	Domini Impact Equity
Product Inception Date	June 3, 1991
Ownership Structure	Amy Domini and her family own 48.2% of the firm, while other Domini employees represent 13.8% of the firm's ownership. Domini Holdings LLC (7.8%, co-managed by Amy Domini and Carole Laible), non-Domini employees (23.6%) and ownership held in reserve (6.6%) comprise the remaining 38% of the firm's ownership.
Firm Information	Wellington (who serves as the subadvisor) manages \$979 billion in assets under management, was founded in 1933, and is located in Boston, MA. They established the first Balanced fund in 1928.
Investment Philosophy	Invests primarily in stocks of U.S. companies that meet Domini Social Investments' social and environmental standards. Subject to these standards, Wellington Management Company, LLP, the Fund's submanager, seeks to add value using a diversified quantitative stock selection approach, while managing risk through portfolio construction.
# of holdings	90
% in Top Ten	27%
Turnover	87%
Index	S&P 500
Benchmark Awareness	Maintains tracking error in the 2.5% - 5% range; portfolio expected to match capitalization range of benchmark.
Weighted market cap	\$80 billion
Price/Earnings	15.3
Key Professionals	Portfolio Submanager: Wellington Management Company, LLP
Assets In Product	\$896 million
Fees	80 bps
Vehicle Type	Mutual Fund (DIEQX)

Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Domini Impact Equity	\$20,387,152	1.9%	2,110

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016

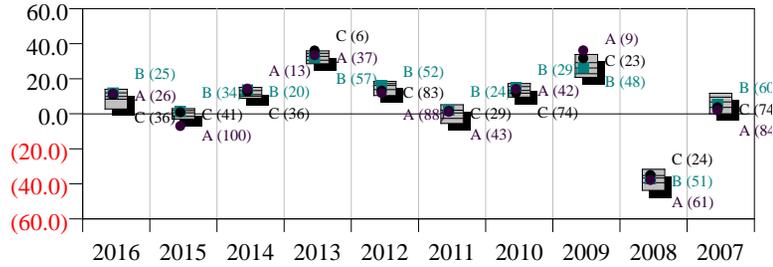


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*



# DOMINI IMPACT EQUITY STYLE: LARGE CAP CORE YEAR ENDED DECEMBER 31, 2016

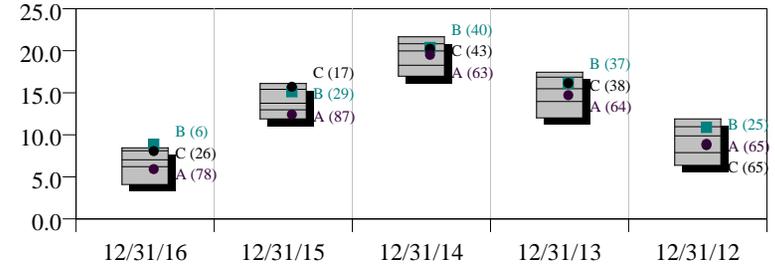
Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



10th Percentile	14.10	3.07	15.11	35.98	18.58	5.21	17.32	33.99	(31.69)	11.79
25th Percentile	11.97	1.87	13.28	34.55	17.24	2.07	15.58	29.23	(35.22)	9.46
Median	9.86	0.59	10.99	32.79	16.18	0.45	13.30	26.18	(36.68)	6.81
75th Percentile	8.36	(1.48)	10.06	30.56	13.84	(2.61)	11.75	22.94	(39.31)	3.65
90th Percentile	2.79	(2.95)	8.92	28.64	10.44	(5.50)	9.56	20.86	(43.66)	0.10

Domini:Impact Equity;Inst	● A	11.66	(6.97)	14.40	33.46	11.84	1.12	14.25	36.22	(37.78)	1.86
S&P:500	■ B	11.96	1.38	13.69	32.39	16.00	2.11	15.06	26.47	(37.00)	5.49
MSCI KLD 400 Soc	● C	10.92	0.94	12.72	36.20	13.24	1.60	11.89	31.74	(34.94)	3.72

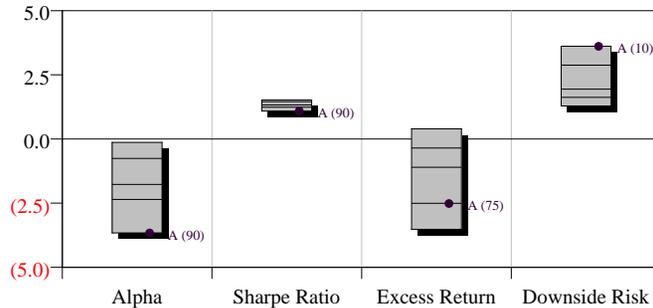
Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



10th Percentile	8.46	16.11	21.67	17.46	11.90
25th Percentile	8.10	15.41	20.84	16.86	10.96
Median	7.04	13.76	19.99	15.48	9.88
75th Percentile	6.21	12.97	18.28	13.97	7.88
90th Percentile	4.10	11.91	16.98	12.03	6.38

Domini:Impact Equity;Inst	● A	5.92	12.41	19.52	14.71	8.92
S&P:500	■ B	8.87	15.13	20.41	16.18	10.87
MSCI KLD 400 Soc	● C	8.07	15.72	20.24	16.15	8.78

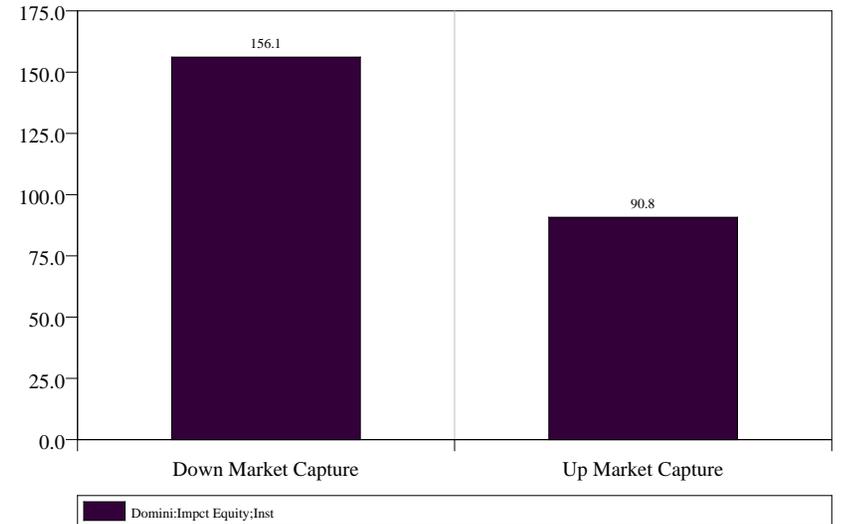
Statistics relative to S&P:500  
for 5 Years Ended December 31, 2016  
Group: CAI Large Cap Core Mutual Funds



10th Percentile	(0.13)	1.52	0.40	3.62
25th Percentile	(0.76)	1.45	(0.35)	2.88
Median	(1.77)	1.33	(1.10)	1.95
75th Percentile	(2.35)	1.24	(2.51)	1.62
90th Percentile	(3.65)	1.09	(3.52)	1.29

Domini:Impact Equity;Inst	● A	(3.66)	1.09	(2.52)	3.61
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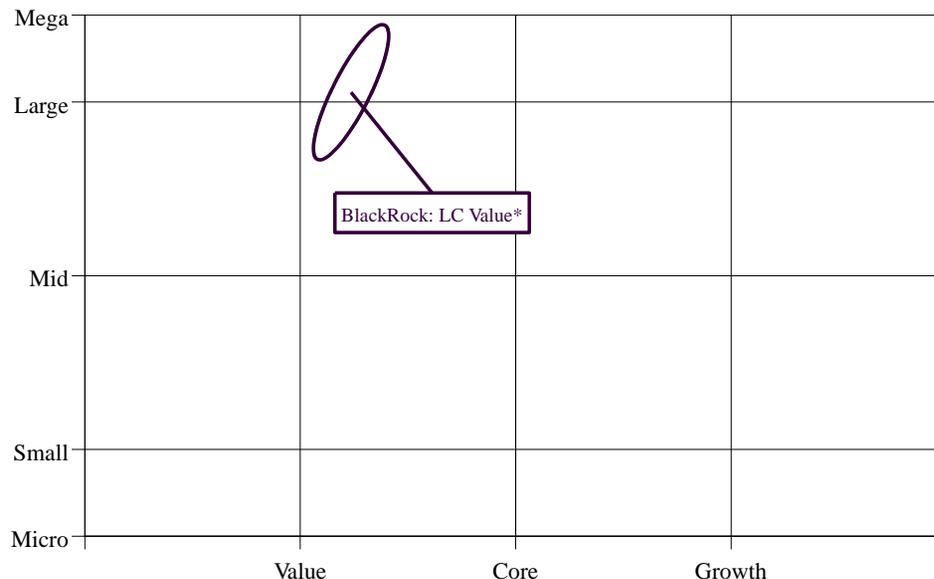
Statistics relative to S&P:500  
for 5 Years Ended December 31, 2016



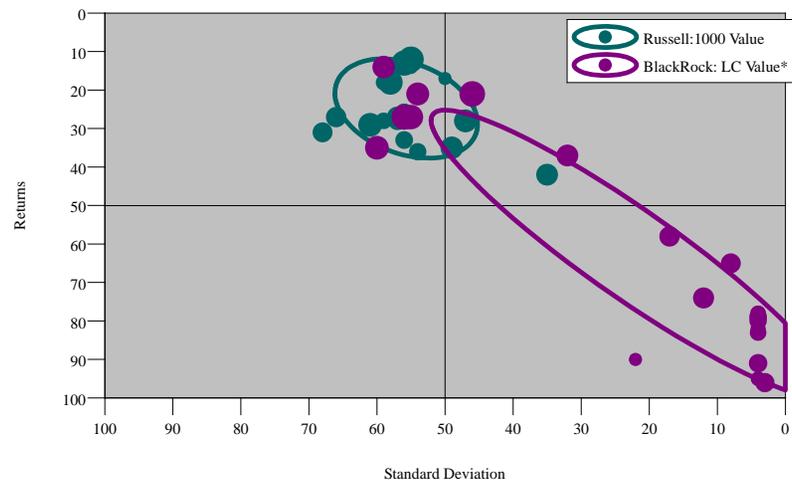
**BLACKROCK LARGE CAP VALUE  
STYLE: LARGE CAP VALUE  
YEAR ENDED DECEMBER 31, 2016**

<b>Organization</b>	<b>BlackRock</b>
<b>Product Name</b>	Large Cap Value
<b>Product Inception Date</b>	December 22, 1999
<b>Ownership Structure</b>	BlackRock is independent in ownership and governance, with no single majority stockholder and a majority of independent directors. BlackRock is a public company (NYSE:BLK).
<b>Firm Information</b>	Headquartered in New York, the firm maintains offices in 30 countries around the world. BlackRock was founded in 1988 with over \$5 trillion in assets under management.
<b>Investment Philosophy</b>	The investment approach for BlackRock's Large Cap Value Portfolio blends a quantitative model with fundamental research. The strategy is based on the belief that incorporating growth/momentum and valuation factors with disciplined security selection and portfolio construction will provide consistent and repeatable investment success. Since its inception, the Team has applied an active quantitative approach combined with a fundamental override and strict portfolio construction parameters and risk management controls.
<b># of holdings</b>	78
<b>% in Top Ten</b>	33%
<b>Turnover</b>	45%
<b>Index</b>	Russell 1000 Value
<b>Benchmark Awareness</b>	A limit of +/-10% for economic sectors versus the Russell 1000 Value. No security overweight the Index by > 100 basis points and no security underweight the Index by > 200 basis points. Expected tracking error of 3 to 6%.
<b>Weighted Avg market cap</b>	\$126 billion
<b>Price/Earnings</b>	17.3
<b>Key Professionals</b>	Peter Stoumaras
<b>Assets In Product</b>	\$15.7 billion (Large Cap Series)
<b>Fees</b>	67 bps
<b>Vehicle Type</b>	Mutual Fund (MKLVX)

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016



**Rolling 12 Quarter Scatter Chart for 5 Years**  
Ended December 31, 2016

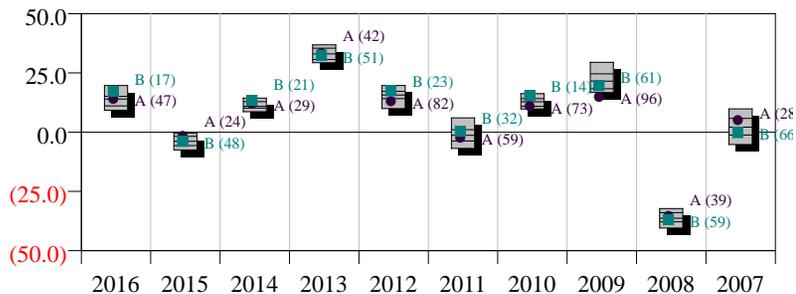


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
BlackRock Large Cap Value	\$69,256,088	6.4%	14,816

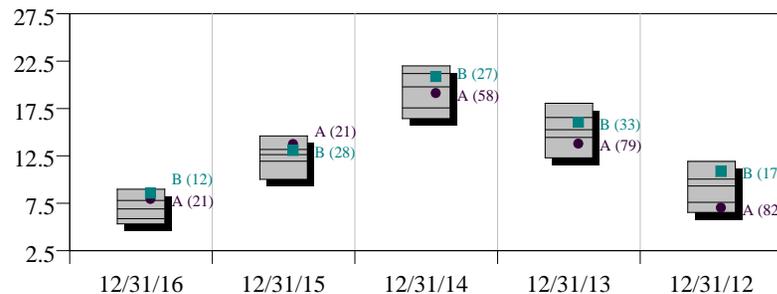


# BLACKROCK LARGE CAP VALUE STYLE: LARGE CAP VALUE YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Large Cap Value Mutual Funds



Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Large Cap Value Mutual Funds



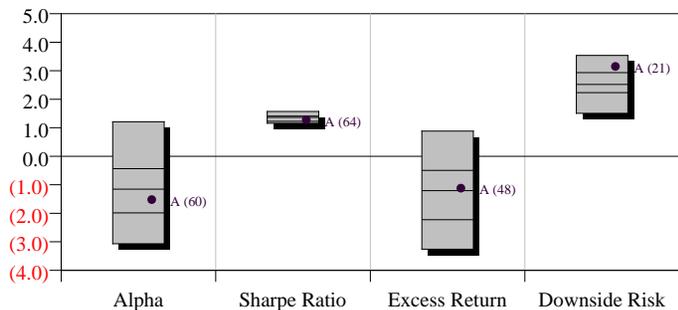
10th Percentile	19.76	(0.40)	14.44	36.90	19.75	6.06	16.31	29.56	(32.19)	9.86
25th Percentile	15.17	(1.69)	12.92	35.47	17.27	1.06	14.15	24.66	(33.95)	5.85
Median	13.97	(3.86)	10.91	33.06	15.70	(1.31)	12.86	21.56	(36.30)	2.16
75th Percentile	11.12	(5.63)	10.17	30.70	14.20	(3.70)	10.93	18.38	(37.84)	(1.18)
90th Percentile	9.30	(7.50)	8.66	29.35	10.00	(6.81)	9.82	16.80	(40.44)	(5.18)

10th Percentile	8.99	14.62	22.00	18.06	11.92
25th Percentile	7.80	13.18	21.19	16.54	10.04
Median	6.90	12.63	19.79	15.26	9.33
75th Percentile	5.88	11.95	17.56	14.45	7.61
90th Percentile	5.34	10.03	16.45	12.31	6.55

BlackRock: LC Value* ● A	14.07	(1.56)	12.08	33.42	13.07	(2.30)	11.04	14.88	(35.33)	5.10
Russell:1000 Value ■ B	17.34	(3.83)	13.45	32.53	17.51	0.39	15.51	19.69	(36.85)	(0.17)

BlackRock: LC Value* ● A	7.97	13.76	19.13	13.80	7.05
Russell:1000 Value ■ B	8.59	13.08	20.89	16.06	10.86

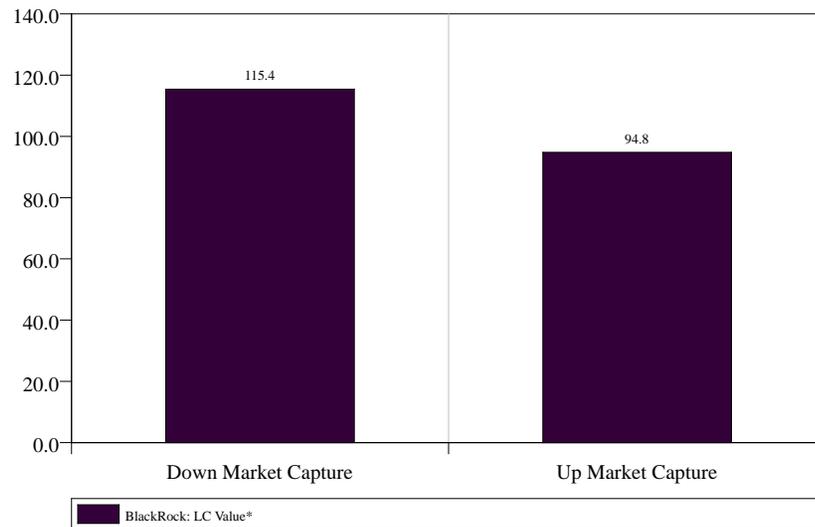
Statistics relative to Russell:1000 Value  
for 5 Years Ended December 31, 2016  
Group: CAI Large Cap Value Mutual Funds



10th Percentile	1.21	1.58	0.89	3.54
25th Percentile	(0.43)	1.41	(0.50)	2.93
Median	(1.15)	1.36	(1.21)	2.52
75th Percentile	(1.98)	1.23	(2.23)	2.23
90th Percentile	(3.07)	1.16	(3.26)	1.51

BlackRock: LC Value* ● A	(1.52)	1.28	(1.12)	3.15
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Statistics relative to Russell:1000 Value  
for 5 Years Ended December 31, 2016



**WELLS FARGO CAPITAL GROWTH  
STYLE: LARGE CAP GROWTH  
YEAR ENDED DECEMBER 31, 2016**

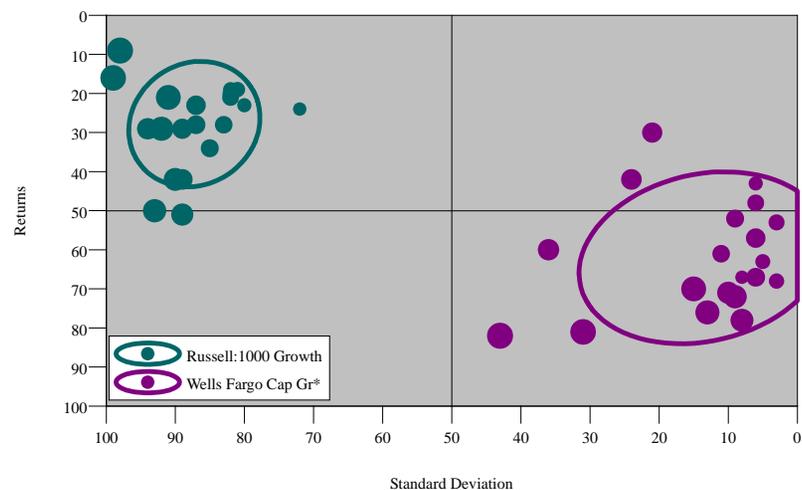
Organization	Wells
Product Name	Capital Growth
Product Inception Date	November 3, 1997
Ownership Structure	Wholly-owned subsidiary of Wells Fargo Bank.
Firm Information	Located in Indianapolis, Indiana; Team sold to Wells in purchase of Strong assets; \$9.3 billion in assets under management.
Investment Philosophy	Successful investing is the result of focusing on companies with favorable underlying fundamentals, strong growth potential, and solid management teams.
# of holdings	48
% in Top Ten	39%
Turnover	74%
Index	Russell 1000 Growth
Benchmark Awareness	Russell 1000 Growth Index -- Sector/Industry weightings rarely over 200% of index.
Weighted Avg market cap	\$133.5 billion
Price/Earnings	26.4
Key Professionals	Michael Smith and Chris Warner
Assets In Product	\$738 million
Fees	60 bps
Vehicle Type	Mutual Fund (WFCRX)

Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Wells Fargo Capital Growth	\$66,696,598	6.2%	16,254

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016

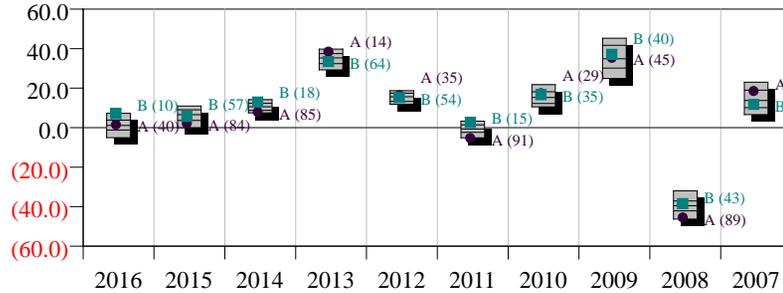


**Rolling 12 Quarter Scatter Chart for 5 Years**  
Ended December 31, 2016

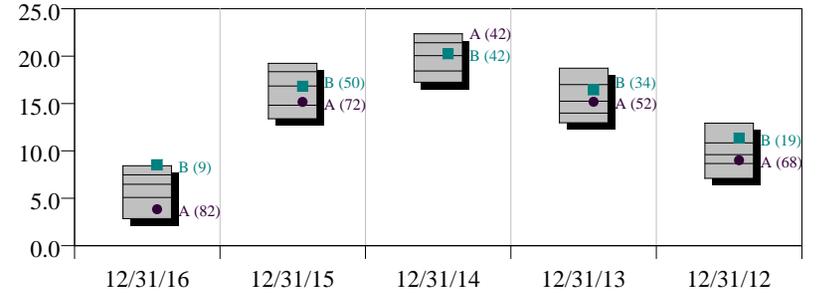


# WELLS FARGO CAPITAL GROWTH STYLE: LARGE CAP GROWTH YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Large Cap Growth Mutual Funds



Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Large Cap Growth Mutual Funds



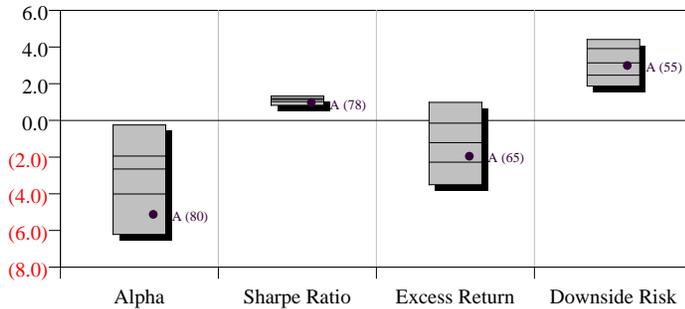
10th Percentile	7.28	10.96	14.16	39.82	18.77	3.28	21.84	45.31	(31.99)	23.02
25th Percentile	3.83	9.01	12.29	37.50	17.44	1.44	18.15	41.70	(37.13)	18.98
Median	1.10	6.54	10.56	35.29	15.66	(0.68)	15.24	34.87	(39.51)	13.77
75th Percentile	(1.16)	3.66	8.77	32.37	13.25	(2.39)	12.19	30.16	(42.13)	10.15
90th Percentile	(5.01)	0.01	7.54	29.29	11.88	(5.08)	10.57	24.94	(46.22)	6.64

10th Percentile	8.44	19.25	22.36	18.73	12.93
25th Percentile	7.47	18.35	21.41	17.00	10.84
Median	6.47	16.85	20.04	15.25	9.60
75th Percentile	5.09	14.83	18.44	13.99	8.67
90th Percentile	2.86	13.40	17.25	12.98	7.11

Wells Fargo Cap Gr*	● A	1.54	2.15	7.97	38.50	16.42	(5.23)	17.42	35.40	(45.44)	18.54
Russell:1000 Growth	■ B	7.08	5.67	13.05	33.48	15.26	2.64	16.71	37.21	(38.44)	11.81

Wells Fargo Cap Gr*	● A	3.85	15.17	20.30	15.18	9.01
Russell:1000 Growth	■ B	8.55	16.83	20.26	16.45	11.35

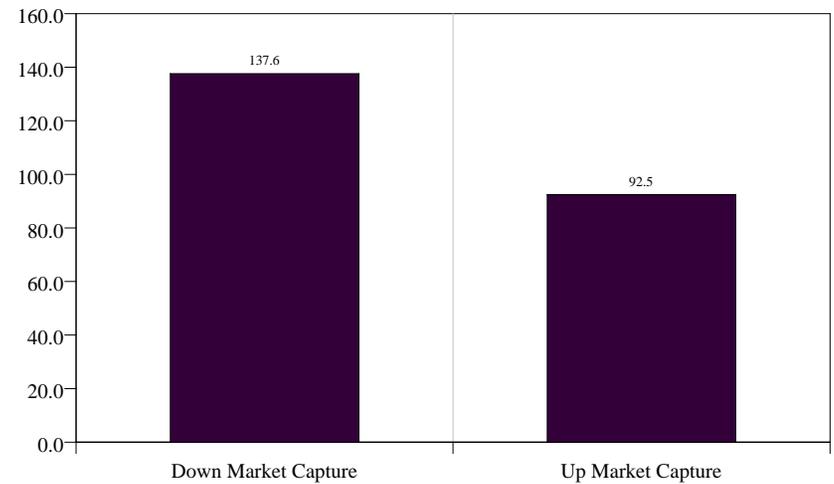
Statistics relative to Russell:1000 Growth  
for 5 Years Ended December 31, 2016  
Group: CAI Large Cap Growth Mutual Funds



10th Percentile	(0.24)	1.33	0.99	4.42
25th Percentile	(1.95)	1.19	(0.15)	3.92
Median	(2.65)	1.14	(1.22)	3.14
75th Percentile	(4.01)	1.02	(2.28)	2.47
90th Percentile	(6.22)	0.83	(3.50)	1.88

Wells Fargo Cap Gr*	● A	(5.12)	0.97	(1.95)	2.99
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Statistics relative to Russell:1000 Growth  
for 5 Years Ended December 31, 2016



■ Wells Fargo Cap Gr\*

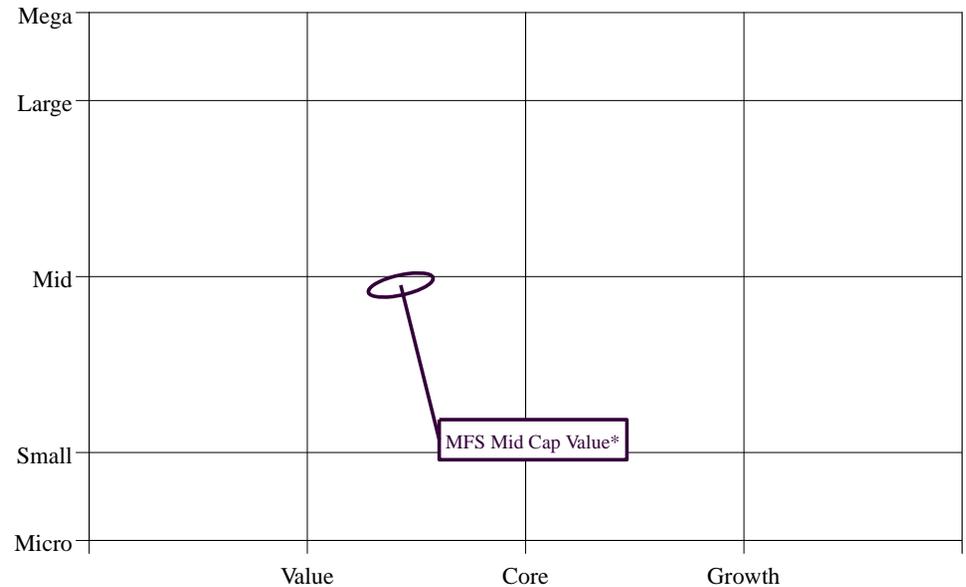


**MFS MID CAP VALUE**  
**STYLE: MID CAP VALUE**  
**YEAR ENDED DECEMBER 31, 2016**

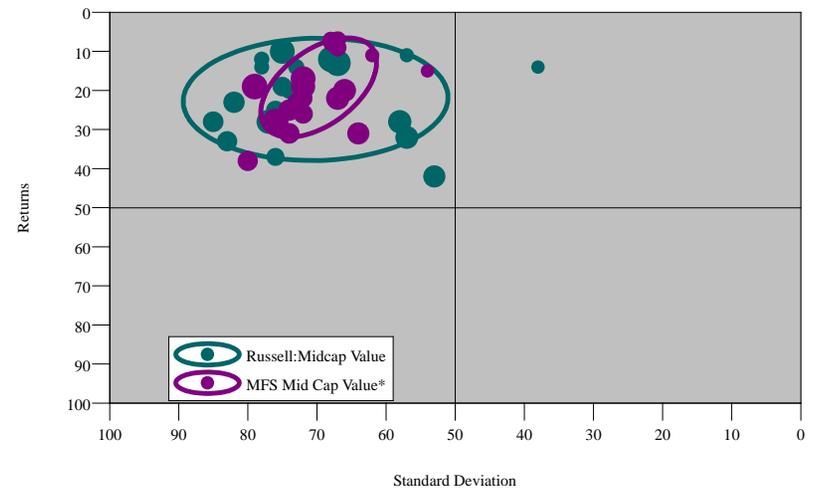
<b>Organization</b>	<b>MFS</b>
<b>Product Name</b>	MFS Mid Cap Value
<b>Product Inception Date</b>	8/31/2001 (Current Team & Process: November 2008)
<b>Ownership Structure</b>	MFS is a majority-owned subsidiary of Sun Life of Canada (U.S.) Financial Services Holdings, Inc. which is an indirect majority-owned subsidiary of Sun Life Financial, Inc. (NYSE: SLF).
<b>Firm Information</b>	MFS was founded in 1924 and is headquartered in Boston, MA. \$426 billion in assets under management.
<b>Investment Philosophy</b>	MFS seeks mid-cap companies with attractive valuations and high quality fundamentals or significant potential for improvement.
<b># of holdings</b>	155
<b>% in Top Ten</b>	12%
<b>Turnover</b>	24%
<b>Index</b>	Russell Mid Cap Value
<b>Benchmark Awareness</b>	Sector allocation is generally limited to the greater of 5% to 1.5x the Index. Each industry is capped at 25%. The Fund strives to be fully invested with minimal allocation to cash. The Fund has the ability to invest up to 10% in foreign stocks.
<b>Weighted Avg market cap</b>	12.3 billion
<b>Price/Earnings</b>	25.5
<b>Key Professionals</b>	Brooks Taylor and Kevin Schmitz
<b>Assets In Product</b>	\$6.4 billion
<b>Fees</b>	77 bps
<b>Vehicle Type</b>	Mutual Fund (MVCKX)

<b>Fund</b>	<b>December 31, 2016 Market Value</b>	<b>% of Plan Assets</b>	<b># of Participants</b>
MFS Mid Cap Value	\$42,159,927	3.9%	15,643

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016

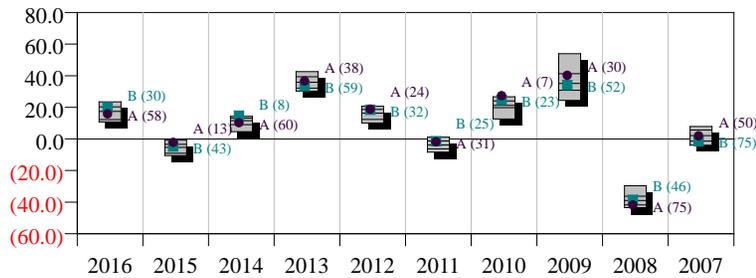


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

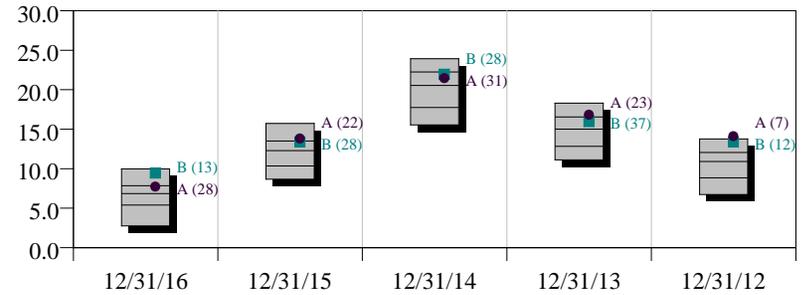


# MFS MID CAP VALUE STYLE: MID CAP VALUE YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Mid Cap Value Mutual Funds



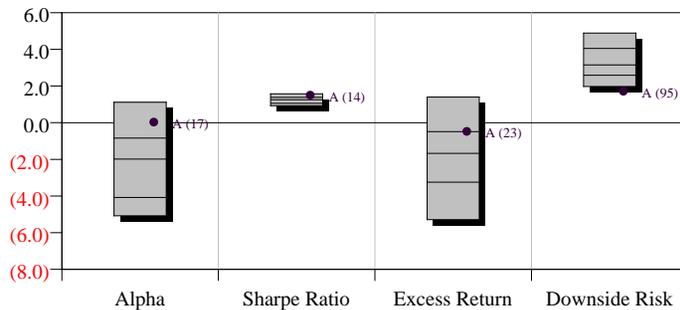
Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Mid Cap Value Mutual Funds



10th Percentile	23.54	(0.71)	14.39	42.65	20.70	1.14	26.72	53.95	(29.60)	7.95
25th Percentile	20.32	(3.41)	13.15	39.36	18.70	(1.33)	23.98	41.30	(36.25)	5.68
Median	17.40	(5.35)	11.56	35.88	16.32	(3.87)	21.22	35.06	(38.98)	2.12
75th Percentile	12.26	(9.08)	9.04	32.14	12.37	(6.33)	19.76	30.74	(41.74)	(1.40)
90th Percentile	10.81	(10.56)	4.63	30.30	10.17	(8.35)	12.69	24.47	(43.42)	(3.91)
MFS Mid Cap Value* ● A	15.86	(2.14)	10.29	36.69	18.86	(1.81)	27.36	40.24	(41.73)	2.00
Russell:Midcap Value ■ B	20.00	(4.78)	14.75	33.46	18.51	(1.38)	24.75	34.21	(38.44)	(1.42)

10th Percentile	9.99	15.73	23.93	18.30	13.78
25th Percentile	7.85	13.51	22.25	16.56	12.04
Median	6.85	12.29	20.53	15.02	10.91
75th Percentile	5.40	10.35	17.75	12.83	8.85
90th Percentile	2.77	8.68	15.56	11.12	6.73
MFS Mid Cap Value* ● A	7.73	13.84	21.46	16.84	14.13
Russell:Midcap Value ■ B	9.45	13.40	21.98	15.97	13.39

Statistics relative to Russell:Midcap Value  
for 5 Years Ended December 31, 2016  
Group: CAI Mid Cap Value Mutual Funds



10th Percentile	1.12	1.58	1.40	4.90
25th Percentile	(0.84)	1.38	(0.49)	4.05
Median	(1.99)	1.26	(1.67)	3.15
75th Percentile	(4.08)	1.06	(3.25)	2.59
90th Percentile	(5.07)	0.92	(5.28)	1.98
MFS Mid Cap Value* ● A	0.04	1.51	(0.47)	1.72

Statistics relative to Russell:Midcap Value  
for 5 Years Ended December 31, 2016



■ MFS Mid Cap Value\*

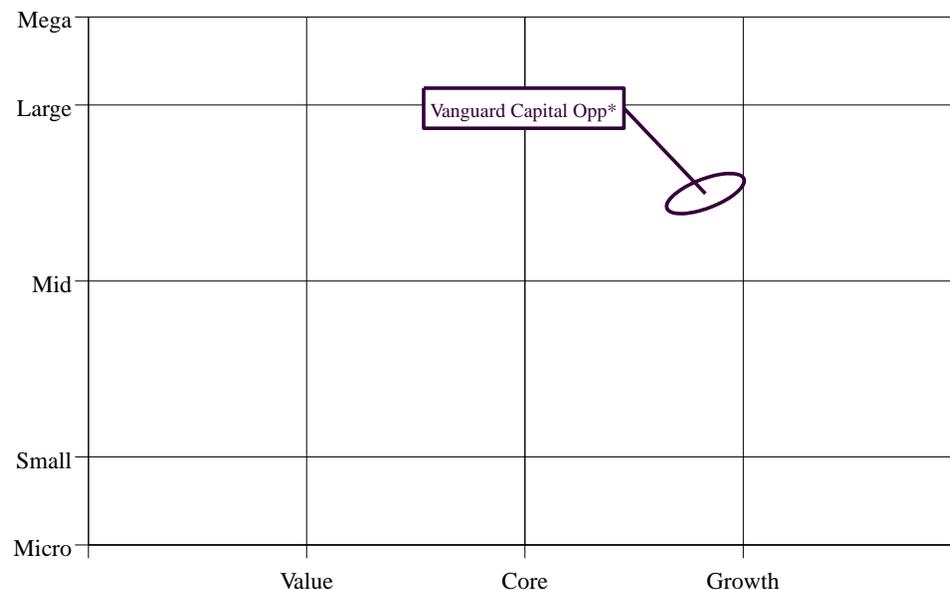


**VANGUARD CAPITAL OPPORTUNITY  
STYLE: MID CAP GROWTH  
YEAR ENDED DECEMBER 31, 2016**

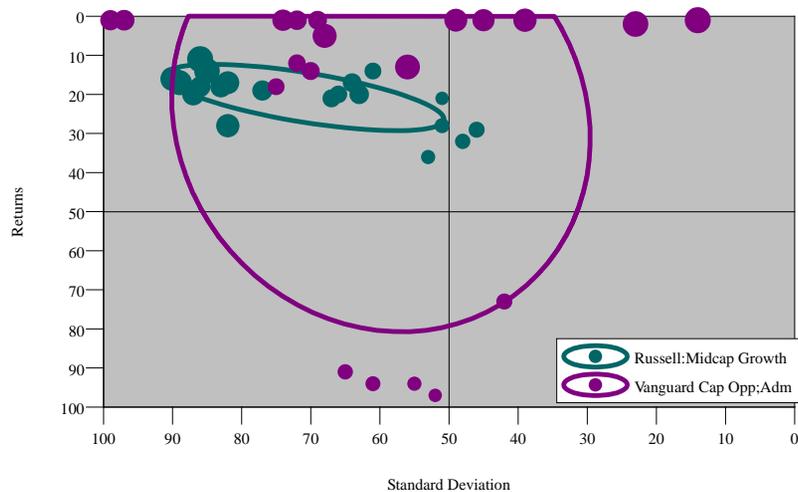
<b>Organization</b>	<b>Vanguard</b>
<b>Product Name</b>	Capital Opportunity
<b>Product Inception Date</b>	August 14, 1995
<b>Ownership Structure</b>	Client-owned Mutual Fund Company
<b>Firm Information</b>	Located in Valley Forge, Pennsylvania; Founded in 1975 with over \$3.5 trillion in assets under management.
<b>Investment Philosophy</b>	Portfolio managers follow a contrarian-growth approach, looking for swiftly growing firms trading at lower valuations. Fundamental analysis and a long-term investment horizon are key components of the advisor's investment strategy.
<b># of holdings</b>	137
<b>% in Top Ten</b>	34%
<b>Turnover</b>	6%
<b>Index</b>	Russell Mid Cap Growth
<b>Benchmark Awareness</b>	There are no portfolio requirements with respect to variance from the benchmark at the industry or sector level.
<b>Weighted Avg market cap</b>	78.6 billion
<b>Price/Earnings</b>	23.5
<b>Key Professionals</b>	PRIMECAP Management Company: Kolokotronis, Fried, Mordecai, Ansari and Marchetti
<b>Assets In Product</b>	\$14 billion
<b>Fees</b>	38 bps
<b>Vehicle Type</b>	Mutual Fund (VHCAX)

<b>Fund</b>	<b>December 31, 2016 Market Value</b>	<b>% of Plan Assets</b>	<b># of Participants</b>
Vanguard Capital Opportunity	\$94,904,293	8.8%	17,841

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016

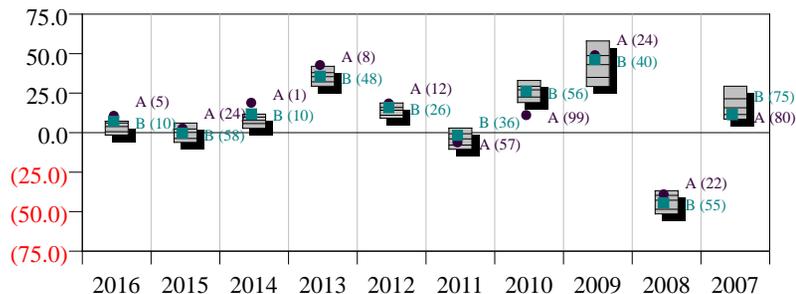


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*



# VANGUARD CAPITAL OPPORTUNITY STYLE: MID CAP GROWTH YEAR ENDED DECEMBER 31, 2016

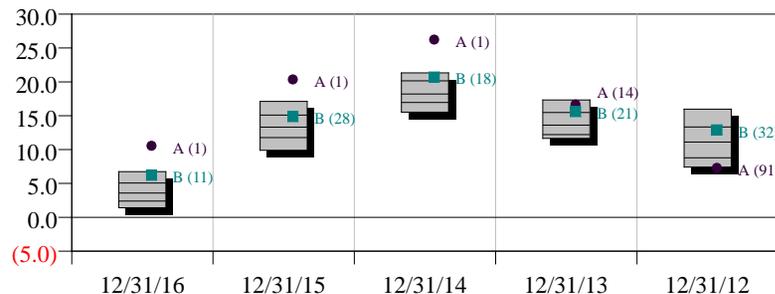
Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Mid Cap Growth Mutual Funds



10th Percentile	7.33	6.11	11.77	42.01	18.79	2.90	33.04	58.08	(36.65)	29.42
25th Percentile	6.13	2.31	9.85	37.97	15.92	(0.65)	29.33	48.77	(39.69)	21.45
Median	3.81	0.14	7.80	35.44	14.24	(3.96)	27.06	43.05	(42.72)	15.74
75th Percentile	0.61	(3.67)	5.71	32.15	11.00	(7.81)	22.51	34.98	(48.47)	11.49
90th Percentile	(1.52)	(6.09)	2.78	29.43	9.13	(10.50)	19.06	29.25	(51.37)	8.54

Vanguard Capital Opp*	● A	10.65	2.67	18.95	42.80	18.43	(6.11)	11.12	49.03	(39.00)	10.65
Russell:Midcap Growth	■ B	7.33	(0.20)	11.90	35.74	15.81	(1.65)	26.38	46.29	(44.32)	11.43

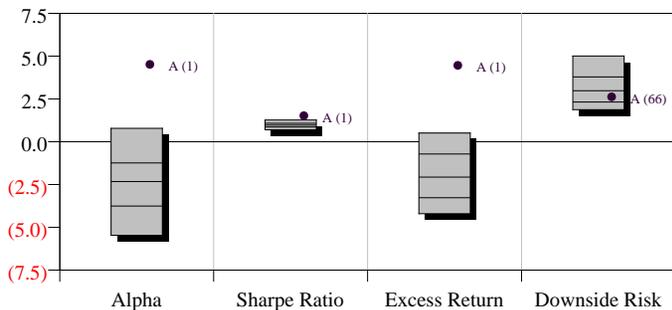
Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Mid Cap Growth Mutual Funds



10th Percentile	6.76	17.12	21.34	17.34	15.98
25th Percentile	5.06	15.09	20.16	15.47	13.33
Median	3.57	13.32	18.21	13.61	11.11
75th Percentile	2.40	11.78	16.94	12.22	8.78
90th Percentile	1.42	9.90	15.53	11.67	7.44

Vanguard Capital Opp*	● A	10.55	20.37	26.24	16.66	7.31
Russell:Midcap Growth	■ B	6.23	14.88	20.71	15.63	12.91

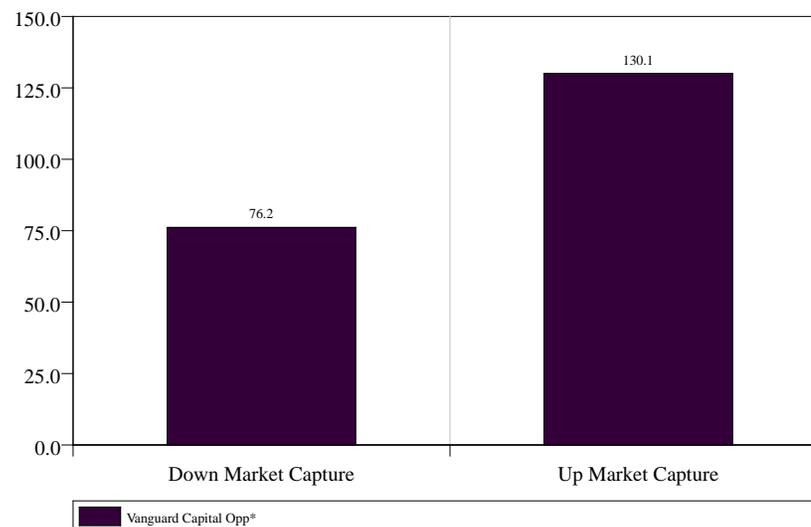
Statistics relative to Russell:Midcap Growth  
for 5 Years Ended December 31, 2016  
Group: CAI Mid Cap Growth Mutual Funds



10th Percentile	0.79	1.27	0.51	5.01
25th Percentile	(1.24)	1.08	(0.71)	3.79
Median	(2.33)	0.97	(2.07)	2.98
75th Percentile	(3.76)	0.86	(3.27)	2.32
90th Percentile	(5.46)	0.70	(4.20)	1.88

Vanguard Capital Opp*	● A	4.52	1.52	4.47	2.63
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Statistics relative to Russell:Midcap Growth  
for 5 Years Ended December 31, 2016

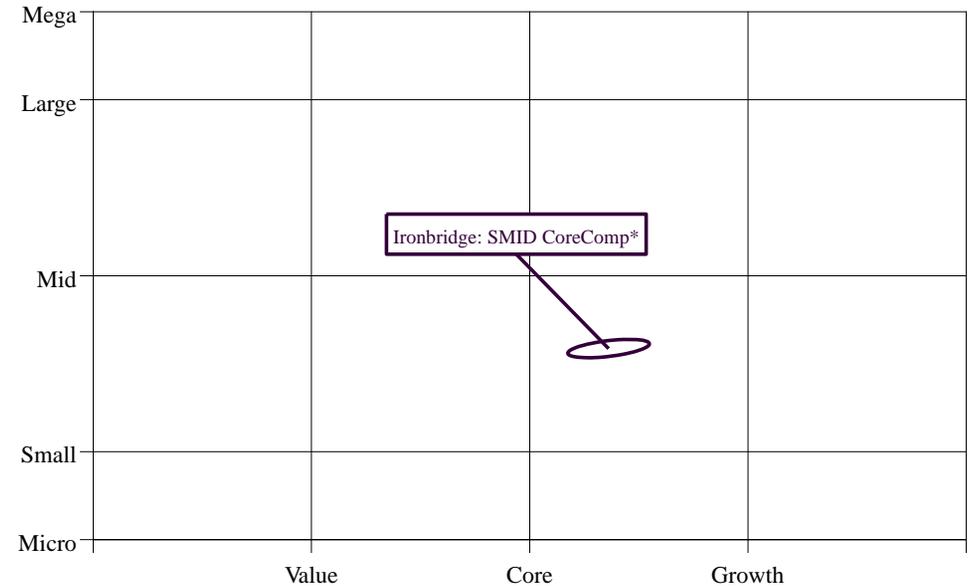


**IRONBRIDGE SMID**  
**STYLE: SMALL CAP BROAD**  
**YEAR ENDED DECEMBER 31, 2016**

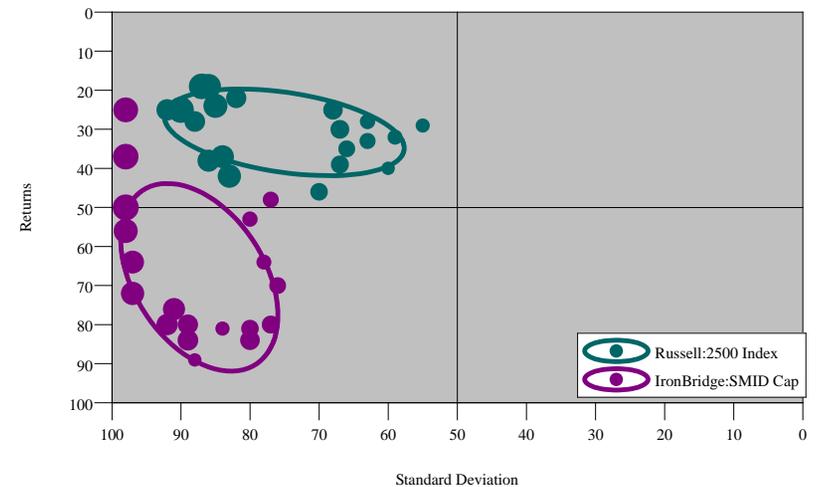
<b>Organization</b>	<b>Ironbridge</b>
<b>Product Name</b>	SMID Cap Core Equity
<b>Product Inception Date</b>	March 31, 2004
<b>Ownership Structure</b>	Employees jointly own 70% of IronBridge. The remaining 30% is held by the founder's former partners from HOLT Value Associates where they collectively developed the CFROI valuation framework. IronBridge was spun out of HOLT Value Associates in 1999.
<b>Firm Information</b>	Founded in 1999. Has over \$2.8 billion in assets under management. Located in Chicago, Illinois.
<b>Investment Philosophy</b>	IronBridge uses a return on investment analysis that is cash flow based, not accounting based. They believe that superior investment returns are achieved by owning companies that deliver corporate performance (Cash Flow Return on Investment and asset growth) not reflected in today's stock price.
<b># of holdings</b>	77
<b>% in Top Ten</b>	25%
<b>Turnover</b>	19%
<b>Index</b>	Russell 2500 Index
<b>Benchmark Awareness</b>	Industry weights are constrained to +/- 5% of the Russell 2500; 5% single issuer limit
<b>Weighted Avg market</b>	\$7.0 billion
<b>Price/Earnings</b>	25.2
<b>Key Professionals</b>	Christopher Faber, Jeffrey Madden, and Tom Fanter
<b>Assets In Product</b>	\$449 million
<b>Fees</b>	95 bps
<b>Vehicle Type</b>	Mutual Fund (IBSMX)

<b>Fund</b>	<b>December 31, 2016 Market Value</b>	<b>% of Plan Assets</b>	<b># of Participants</b>
Ironbridge SMID	\$30,014,630	2.8%	16,747

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016

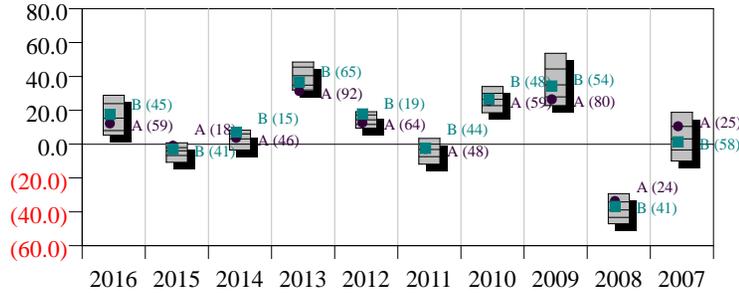


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

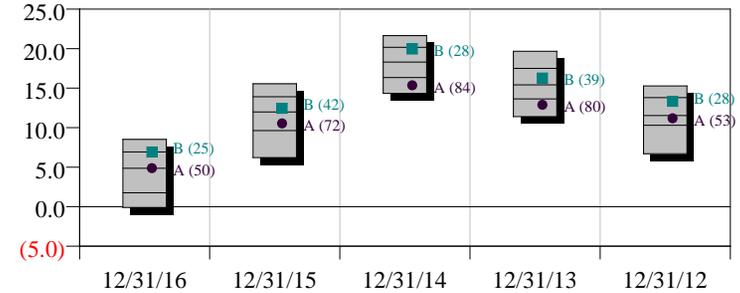


# IRONBRIDGE SMID STYLE: SMALL CAP BROAD YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Small Cap Mutual Funds



Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Small Cap Mutual Funds



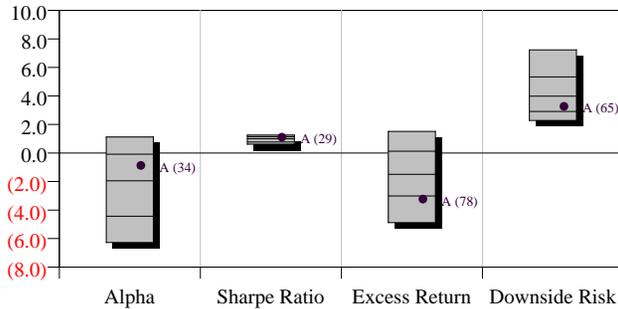
10th Percentile	28.92	0.82	8.27	48.58	19.17	3.42	34.04	53.69	(29.23)	18.81
25th Percentile	23.90	(2.08)	6.10	45.51	17.23	(0.07)	30.00	44.40	(34.16)	10.48
Median	15.41	(3.92)	3.09	40.42	14.37	(3.17)	26.45	34.97	(38.87)	3.13
75th Percentile	7.98	(6.69)	0.00	34.88	11.63	(7.42)	22.78	27.89	(43.32)	(3.39)
90th Percentile	5.29	(10.72)	(3.38)	32.09	9.48	(11.83)	18.59	22.85	(46.97)	(9.95)

10th Percentile	8.52	15.56	21.65	19.68	15.29
25th Percentile	6.93	13.91	20.16	17.50	13.80
Median	4.86	11.98	18.30	15.41	11.53
75th Percentile	1.75	9.63	16.35	13.63	10.31
90th Percentile	(0.10)	6.21	14.34	11.41	6.70

Ironbridge: SMID CoreComp*	A	12.28	(0.87)	3.66	31.39	12.70	(2.82)	25.51	26.48	(33.66)	10.53
Russell:2500 Index	B	17.59	(2.90)	7.07	36.80	17.88	(2.51)	26.71	34.39	(36.79)	1.38

Ironbridge: SMID CoreComp*	A	4.88	10.53	15.35	12.90	11.19
Russell:2500 Index	B	6.93	12.46	19.97	16.28	13.34

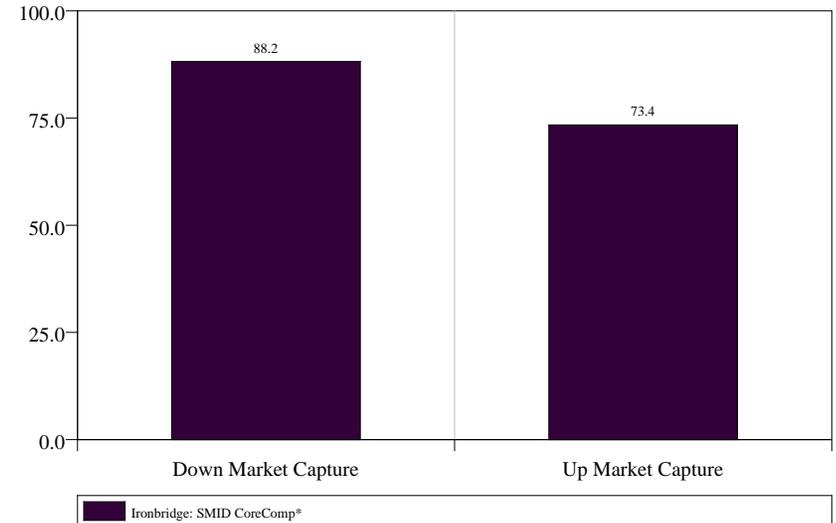
Statistics relative to Russell:2500 Index  
for 5 Years Ended December 31, 2016  
Group: CAI Small Cap Mutual Funds



10th Percentile	1.12	1.25	1.52	7.24
25th Percentile	(0.09)	1.14	0.13	5.33
Median	(1.95)	1.00	(1.50)	3.98
75th Percentile	(4.43)	0.77	(3.01)	2.91
90th Percentile	(6.27)	0.62	(4.87)	2.29

Ironbridge: SMID CoreComp*	A	(0.87)	1.11	(3.23)	3.27
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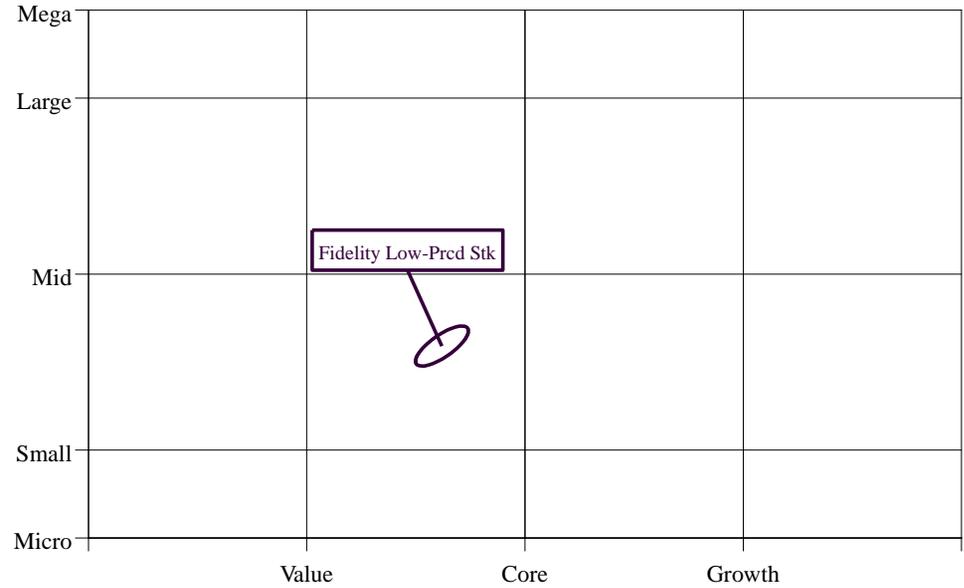
Statistics relative to Russell:2500 Index  
for 5 Years Ended December 31, 2016



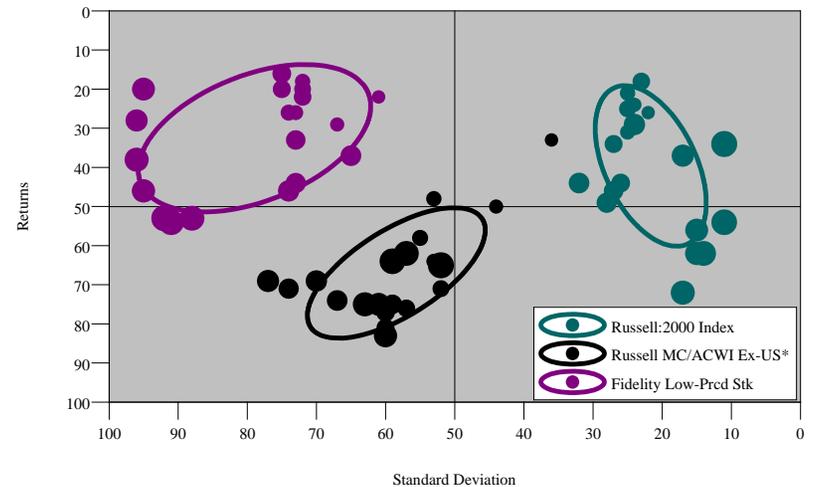
**FIDELITY LOW-PRICED STOCK  
STYLE: SPECIALITY  
YEAR ENDED DECEMBER 31, 2016**

Organization	Fidelity
Product Name	Low-Priced Stock
Product Inception Date	December 27, 1989
Ownership Structure	Fidelity Management & Research Company (FMR Co.), the investment advisor to Fidelity's family of mutual funds.
Firm Information	FMR Co. employs a staff of portfolio managers, analysts and traders in the industry, more than 500 in total. Has over \$2 trillion in assets under management. Headquartered in Boston.
Investment Philosophy	The Fund strategy is to invest in low priced stocks of less than \$35 per share which generally are small and mid sized companies.
# of holdings	903
% in Top Ten	24%
Turnover	9%
Index	Russell 2000
Benchmark Awareness	Not benchmark aware.
Weighted Avg market cap	\$28.4 billion
Price/Earnings	16.2
Key Professionals	Joel Tillinghast, Jamie Harmon, John Mirshekari, Justin Bennett, Kathy Buck, Rayna Lesser Hannaway, Shadman Riaz and Morgen Peck
Assets In Product	\$39.4 billion
Fees	88 bps
Vehicle Type	Mutual Fund (FLPSX)

Domestic Equity Style Map  
for 5 Years Ended December 31, 2016



**Rolling 12 Quarter Scatter Chart for 5 Years**  
Ended December 31, 2016

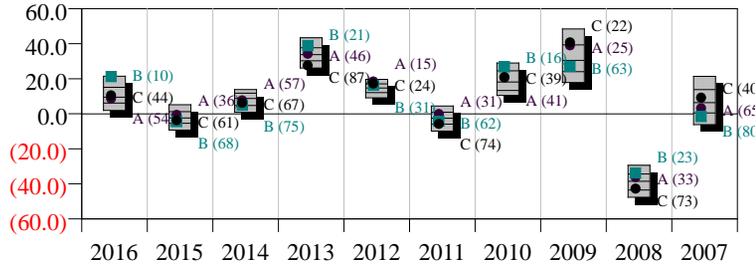


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Fidelity Low-Priced Stock	\$21,502,302	2.0%	2,685



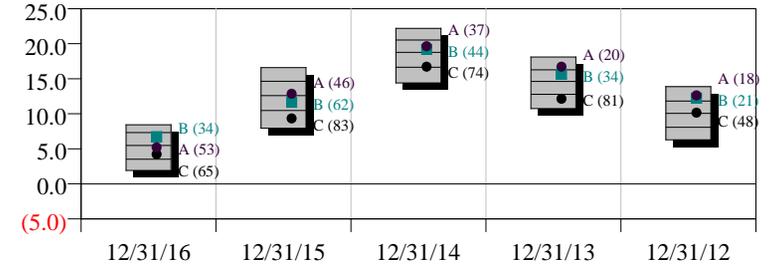
# FIDELITY LOW-PRICED STOCK STYLE: SPECIALITY YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: Total Domestic Equity Mutual Funds



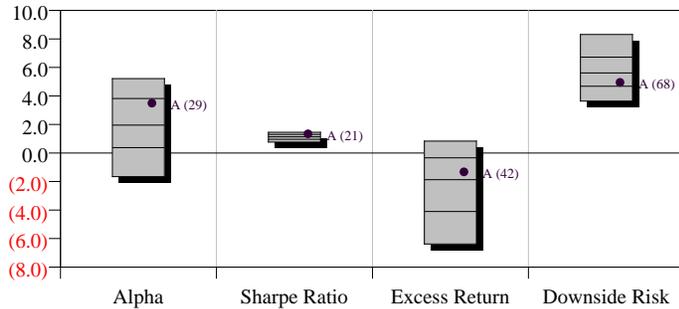
10th Percentile	21.55	5.22	13.91	43.42	19.69	4.50	29.07	48.48	(29.37)	21.43	
25th Percentile	15.11	1.20	11.75	37.69	17.10	0.88	24.56	39.36	(34.40)	13.81	
Median	9.47	(2.38)	8.71	33.76	14.74	(2.50)	18.18	30.48	(38.52)	6.42	
75th Percentile	6.15	(5.43)	4.78	30.27	12.08	(5.88)	13.35	24.02	(43.49)	0.52	
90th Percentile	1.97	(9.28)	0.91	26.20	9.16	(9.81)	10.54	17.93	(47.57)	(6.16)	
Fidelity Low-Pred Stk	● A	8.79	(0.56)	7.65	34.31	18.50	(0.06)	20.70	39.08	(36.17)	3.16
Russell:2000 Index	■ B	21.31	(4.41)	4.89	38.82	16.35	(4.18)	26.85	27.17	(33.79)	(1.57)
Russell MC/ACWI Ex-US*	● C	10.53	(3.62)	6.27	27.64	17.27	(5.76)	20.98	40.84	(42.71)	9.24

Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: Total Domestic Equity Mutual Funds



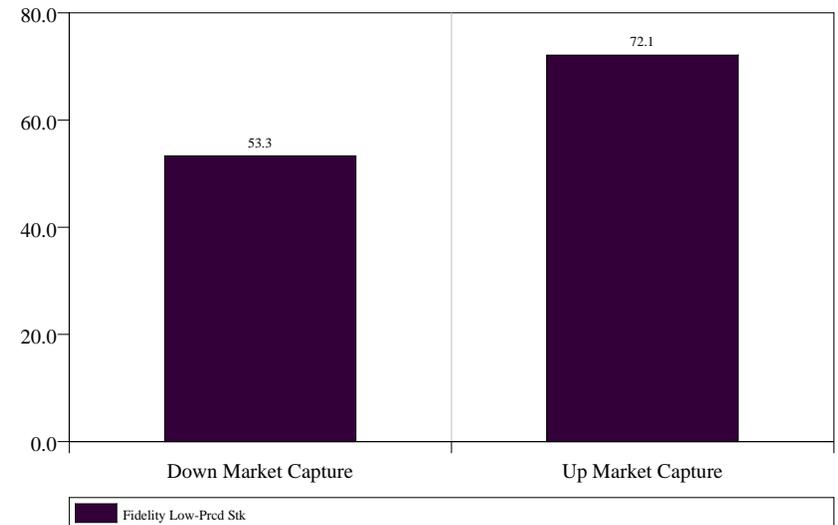
10th Percentile	8.44	16.61	22.21	18.12	13.89	
25th Percentile	7.32	14.63	20.52	16.29	11.82	
Median	5.48	12.59	18.78	14.62	10.06	
75th Percentile	3.53	10.46	16.64	12.77	8.07	
90th Percentile	1.93	7.95	14.42	10.76	6.30	
Fidelity Low-Pred Stk	● A	5.21	12.87	19.66	16.73	12.65
Russell:2000 Index	■ B	6.74	11.65	19.21	15.67	12.25
Russell MC/ACWI Ex-US*	● C	4.23	9.35	16.73	12.15	10.17

Statistics relative to Russell:2000 Index  
for 5 Years Ended December 31, 2016  
Group: Total Domestic Equity Mutual Funds



10th Percentile	5.23	1.45	0.84	8.31	
25th Percentile	3.82	1.30	(0.33)	6.72	
Median	1.96	1.14	(1.87)	5.61	
75th Percentile	0.38	0.96	(4.10)	4.68	
90th Percentile	(1.65)	0.77	(6.38)	3.64	
Fidelity Low-Pred Stk	● A	3.49	1.34	(1.32)	4.95

Statistics relative to Russell:2000 Index  
for 5 Years Ended December 31, 2016

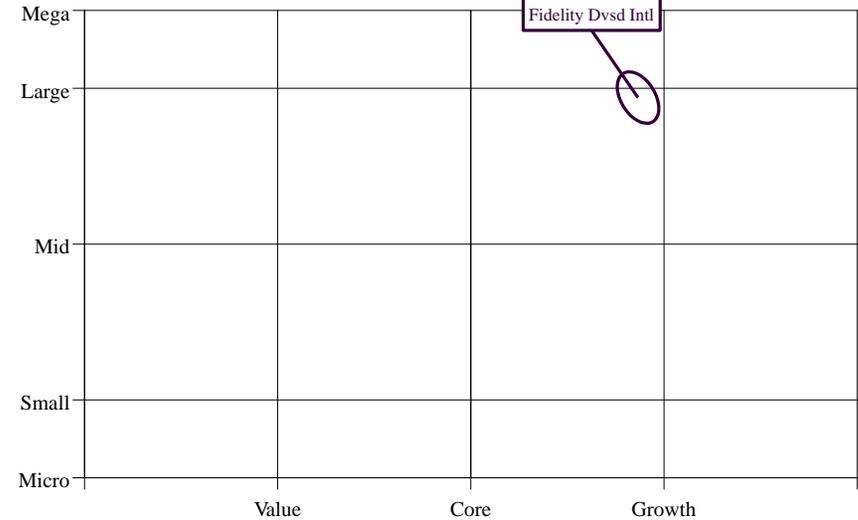


**FIDELITY DIVERSIFIED INTERNATIONAL  
STYLE: INTERNATIONAL  
YEAR ENDED DECEMBER 31, 2016**

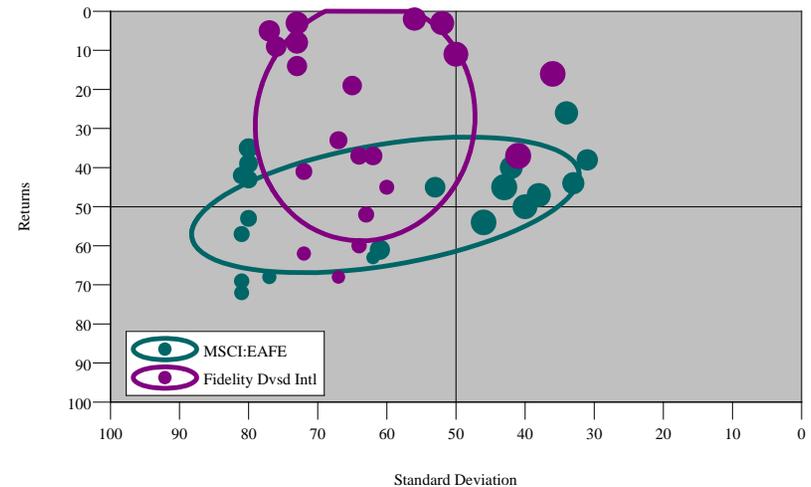
<b>Organization</b>	<b>Fidelity</b>
<b>Product Name</b>	Diversified International
<b>Product Inception Date</b>	December 27, 1991
<b>Ownership Structure</b>	Fidelity Management & Research Company (FMR Co.), the investment advisor to Fidelity's family of mutual funds.
<b>Firm Information</b>	FMR Co. employs a staff of portfolio managers, analysts and traders in the industry, more than 500 in total. Headquartered in Boston.
<b>Investment Philosophy</b>	Invests primarily in large cap non-U.S. stocks, but will occasionally invest in mid and small cap issues. The manager uses a growth-at-a-reasonable price strategy to identify securities for the portfolio.
<b># of holdings</b>	208
<b>% in Top Ten</b>	15%
<b>Turnover</b>	24%
<b>Index</b>	MSCI EAFE Index
<b>Benchmark Awareness</b>	Generally, the portfolio's sector allocation track the MSCI EAFE index, with a modest allocation to emerging markets securities.
<b>Weighted Avg market cap</b>	\$51.4 billion
<b>Price/Earnings</b>	21.9
<b>Key Professionals</b>	William Bower
<b>Assets In Product</b>	\$18.4 billion
<b>Fees</b>	105 bps
<b>Vehicle Type</b>	Mutual Fund (FDIVX)

<b>Fund</b>	<b>December 31, 2016 Market Value</b>	<b>% of Plan Assets</b>	<b># of Participants</b>
Fidelity Diversified International	\$40,300,697	3.7%	17,631

International Equity Style Map  
for 5 Years Ended December 31, 2016

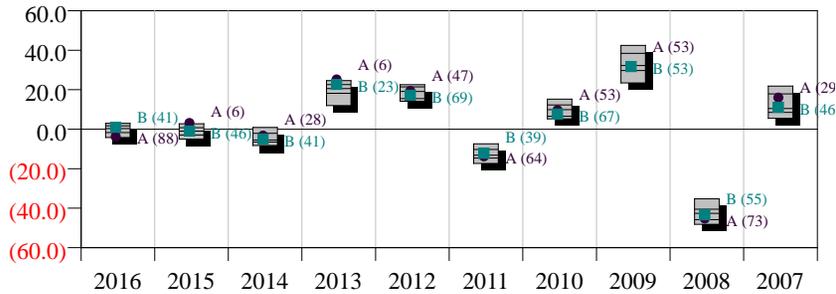


**Rolling 12 Quarter Scatter Chart for 5 Years**  
Ended December 31, 2016



# FIDELITY DIVERSIFIED INTERNATIONAL STYLE: INTERNATIONAL YEAR ENDED DECEMBER 31, 2016

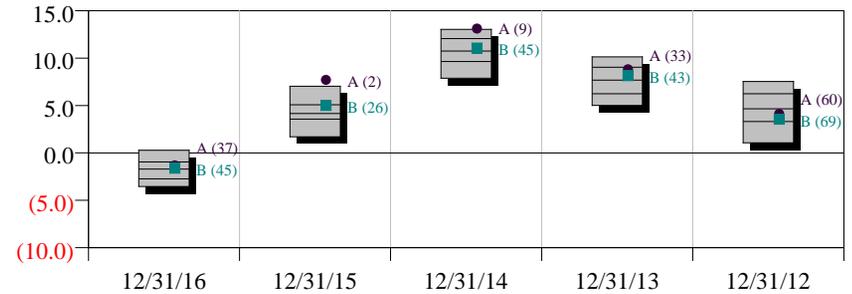
Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



10th Percentile	2.98	2.80	0.87	24.60	22.59	(7.40)	15.31	42.49	(35.25)	21.90
25th Percentile	1.73	0.80	(2.09)	22.56	21.41	(10.28)	12.29	38.42	(40.53)	17.90
Median	0.30	(1.01)	(5.45)	20.56	19.11	(13.19)	9.91	32.22	(42.66)	10.48
75th Percentile	(1.68)	(2.95)	(6.51)	18.16	15.46	(14.60)	6.55	29.72	(45.81)	8.49
90th Percentile	(4.18)	(5.00)	(8.21)	12.03	14.20	(17.32)	5.26	23.50	(48.13)	5.53

Fidelity Dvds Intl	● A	(3.73)	3.12	(3.20)	25.19	19.41	(13.78)	9.65	31.78	(45.21)	16.03
MSCI:EAFE	■ B	1.00	(0.81)	(4.90)	22.78	17.32	(12.14)	7.75	31.78	(43.38)	11.17

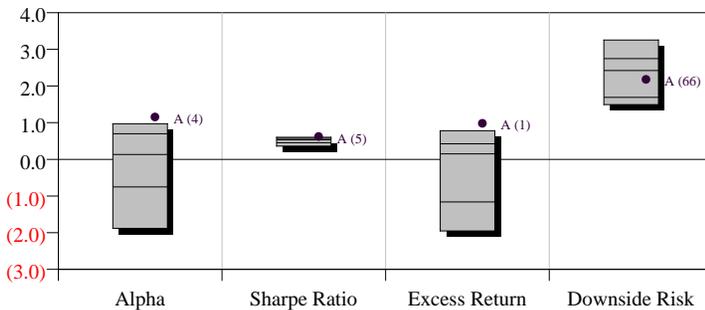
Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



10th Percentile	0.29	7.05	13.05	10.14	7.54
25th Percentile	(0.96)	5.08	12.06	9.03	6.25
Median	(1.71)	4.15	10.75	7.68	4.66
75th Percentile	(2.74)	3.57	9.64	6.24	3.30
90th Percentile	(3.53)	1.70	7.88	5.01	1.07

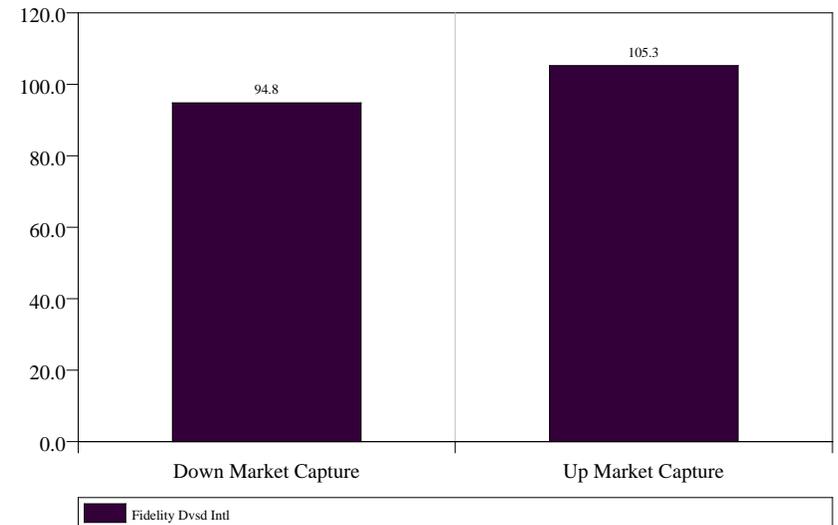
Fidelity Dvds Intl	● A	(1.32)	7.71	13.11	8.83	4.13
MSCI:EAFE	■ B	(1.60)	5.01	11.06	8.17	3.56

Statistics relative to MSCI:EAFE  
for 5 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



10th Percentile	0.97	0.60	0.78	3.26	
25th Percentile	0.70	0.57	0.42	2.75	
Median	0.13	0.53	0.15	2.42	
75th Percentile	(0.75)	0.45	(1.16)	1.69	
90th Percentile	(1.88)	0.36	(1.95)	1.49	
Fidelity Dvds Intl	● A	1.15	0.62	0.98	2.18

Statistics relative to MSCI:EAFE  
for 5 Years Ended December 31, 2016

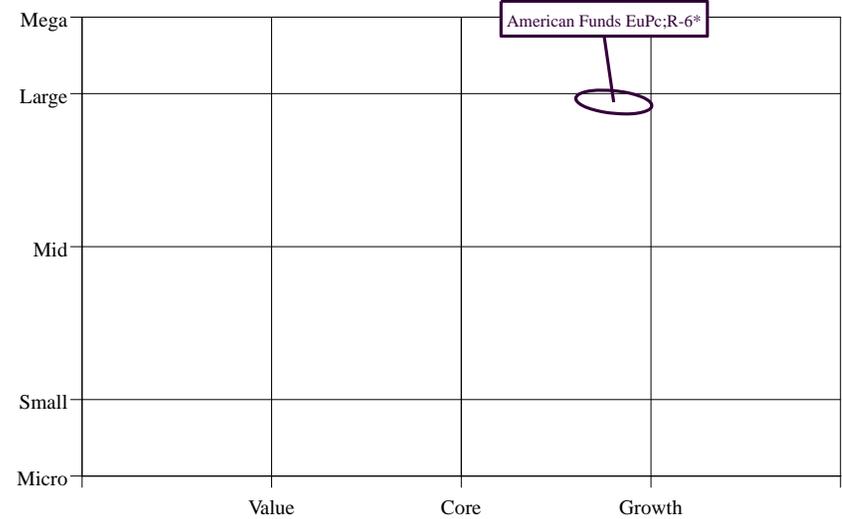


**AMERICAN FUNDS EUROPACIFIC GROWTH  
STYLE: INTERNATIONAL  
YEAR ENDED DECEMBER 31, 2016**

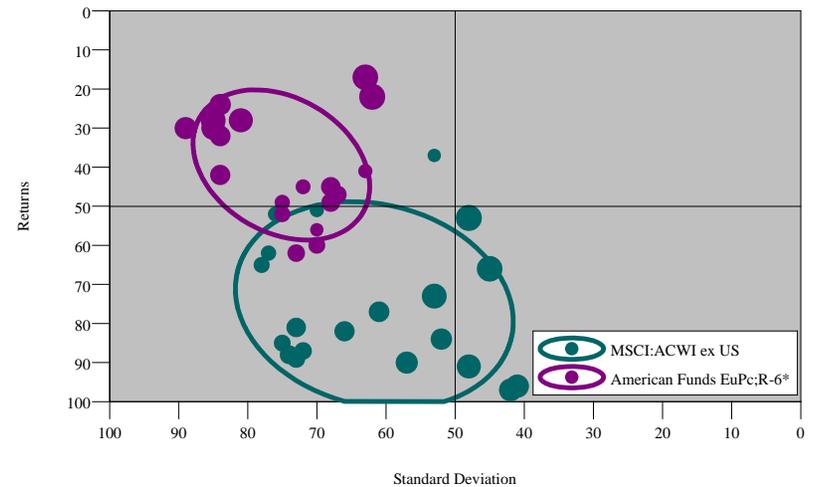
Organization	American Funds
Product Name	EuroPacific Growth
Product Inception Date	April 16, 1984
Ownership Structure	Part of the Capital Group Companies; Employee Owned
Firm Information	Founded in 1931 with \$1.39 trillion in assets under management. Capital Research & Management Co. is investment advisor.
Investment Philosophy	The fund utilizes a multi-portfolio manager system (eight portfolio managers and a research portfolio) where each PM has sole discretion within their sleeve of the portfolio. 20% of the portfolio is invested in the Research Portfolio which is run by 30-40 of the firm's sector analysts.
# of holdings	290
% in Top Ten	18%
Turnover	30%
Index	MSCI All Country World ex USA Index
Benchmark Awareness	Country and Sector weights are the residual of bottom-up decisions and the aggregation of the underlying 9 sleeves. The portfolio will make significant use (25%+) of non-benchmark companies. Approximately 25% Emerging Markets.
Weighted Avg market cap	56.3 billion
Price/Earnings	17.6
Key Professionals	Denning/Lyckeus/Grace/ Kawaja/Lee/Knowles/Kymisis/Suzman/Thomsen
Assets In Product	\$120.2 billion
Fees	50 bps
Vehicle Type	Mutual Fund (RERGX)

Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
American Funds EuroPacific Growth	\$17,183,026	1.6%	15,052

International Equity Style Map  
for 5 Years Ended December 31, 2016

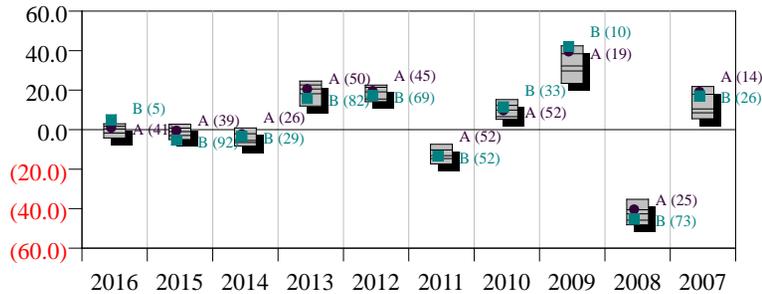


**Rolling 12 Quarter Scatter Chart for 5 Years**  
Ended December 31, 2016

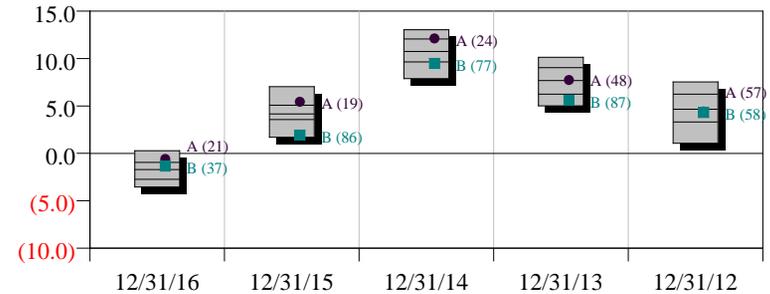


# AMERICAN FUNDS EUROPACIFIC GROWTH STYLE: INTERNATIONAL YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



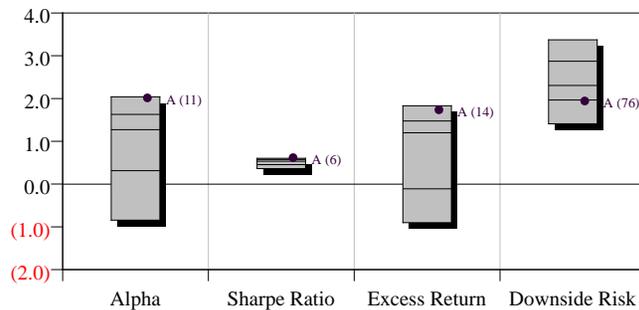
10th Percentile	2.98	2.80	0.87	24.60	22.59	(7.40)	15.31	42.49	(35.25)	21.90
25th Percentile	1.73	0.80	(2.09)	22.56	21.41	(10.28)	12.29	38.42	(40.53)	17.90
Median	0.30	(1.01)	(5.45)	20.56	19.11	(13.19)	9.91	32.22	(42.66)	10.48
75th Percentile	(1.68)	(2.95)	(6.51)	18.16	15.46	(14.60)	6.55	29.72	(45.81)	8.49
90th Percentile	(4.18)	(5.00)	(8.21)	12.03	14.20	(17.32)	5.26	23.50	(48.13)	5.53

10th Percentile	0.29	7.05	13.05	10.14	7.54
25th Percentile	(0.96)	5.08	12.06	9.03	6.25
Median	(1.71)	4.15	10.75	7.68	4.66
75th Percentile	(2.74)	3.57	9.64	6.24	3.30
90th Percentile	(3.53)	1.70	7.88	5.01	1.07

American Funds EuPc;R-6*	● A	1.01	(0.48)	(2.29)	20.58	19.64	(13.31)	9.76	39.56	(40.38)	19.22
MSCI:ACWIXUS Gross	■ B	5.01	(5.25)	(3.44)	15.78	17.39	(13.33)	11.60	42.14	(45.24)	17.12

American Funds EuPc;R-6*	● A	(0.60)	5.45	12.12	7.74	4.42
MSCI:ACWIXUS Gross	■ B	(1.32)	1.94	9.49	5.61	4.33

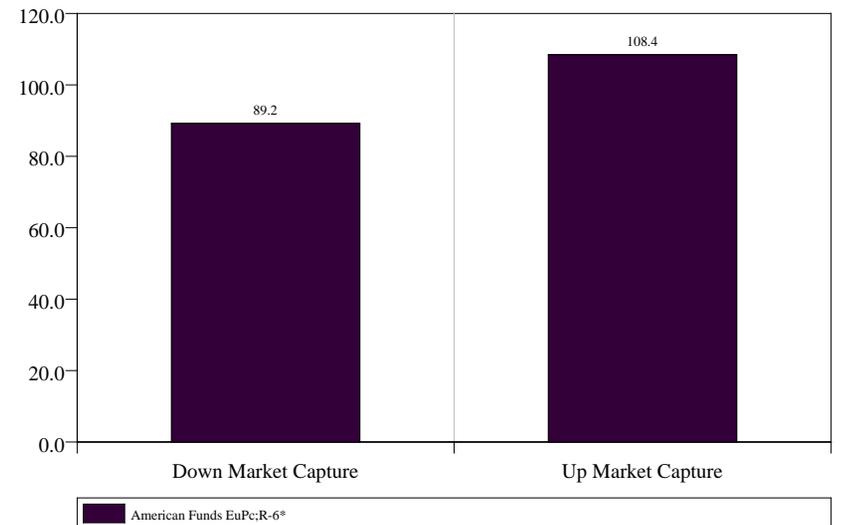
Statistics relative to MSCI:ACWIXUS Gross  
for 5 Years Ended December 31, 2016  
Group: CAI International Eq Developed Mkts MFs



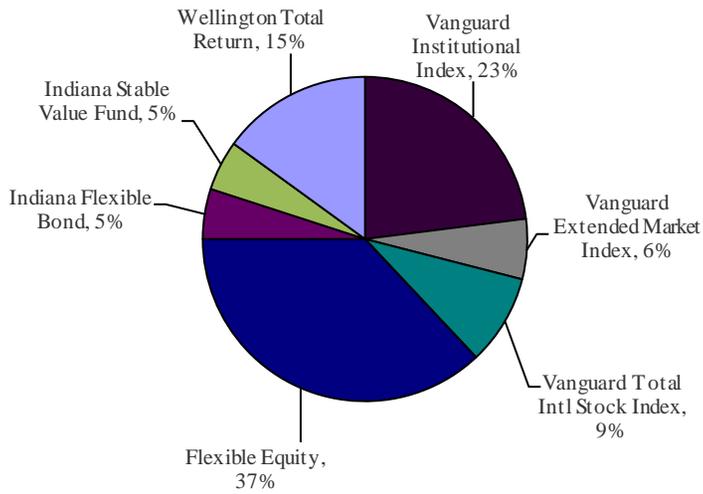
10th Percentile	2.04	0.60	1.83	3.38
25th Percentile	1.63	0.57	1.48	2.87
Median	1.27	0.53	1.20	2.31
75th Percentile	0.31	0.45	(0.11)	1.97
90th Percentile	(0.84)	0.36	(0.90)	1.41

American Funds EuPc;R-6*	● A	2.02	0.62	1.74	1.94
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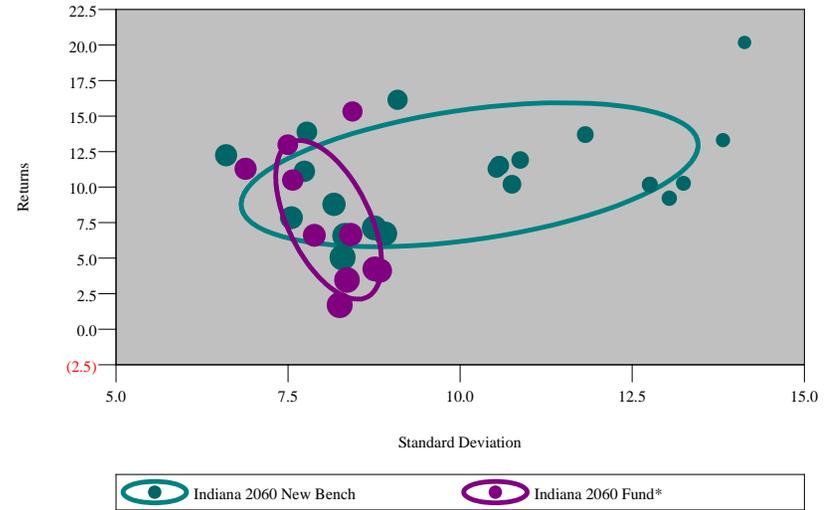
Statistics relative to MSCI:ACWIXUS Gross  
for 5 Years Ended December 31, 2016



**INDIANA 2060 FUND  
STYLE: LIFESTYLE  
YEAR ENDED DECEMBER 31, 2016**

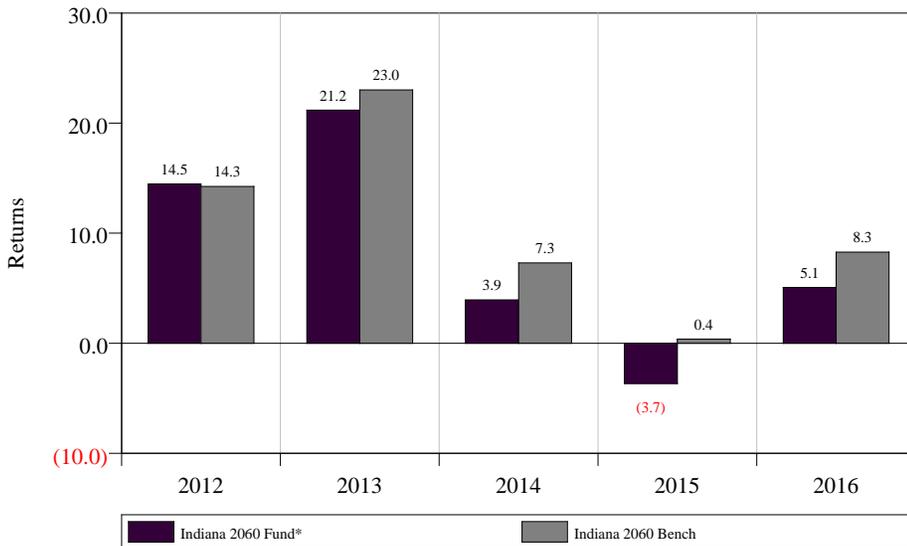


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

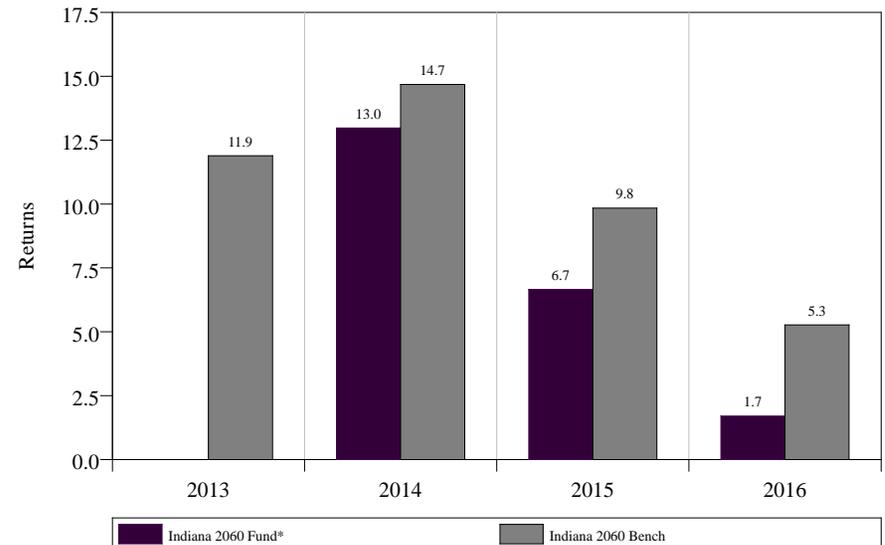


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2060 Fund	\$1,226,685	0.1%	3,825

**Returns  
for Calendar Years  
5 Years Ended December 31, 2016**



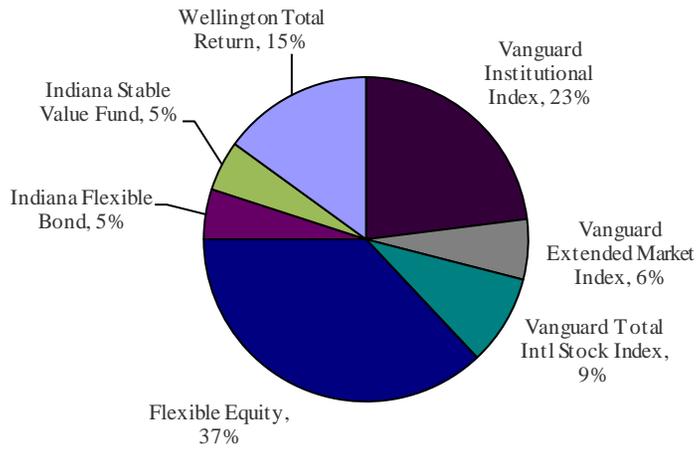
**Rolling 3 Year Returns  
for 4 Years Ended December 31, 2016**



\*The inception date of the Indiana 2060 Fund is August 21, 2015.

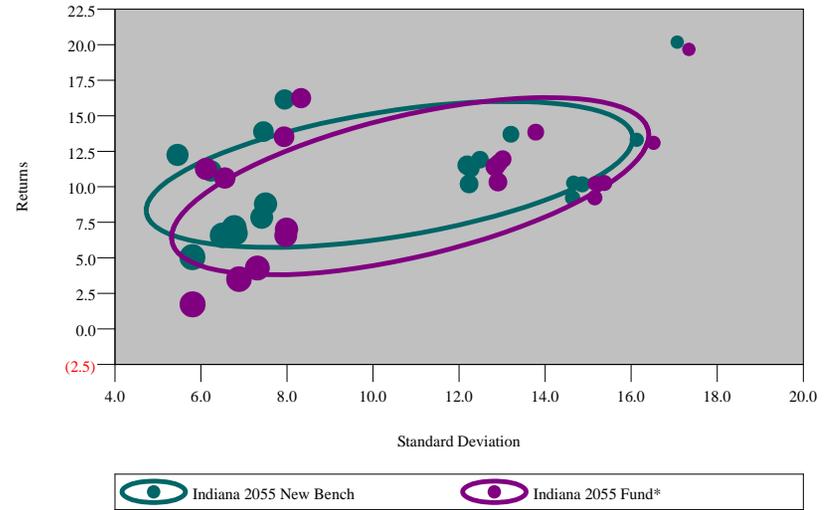


**INDIANA 2055 FUND  
STYLE: LIFESTYLE  
YEAR ENDED DECEMBER 31, 2016**



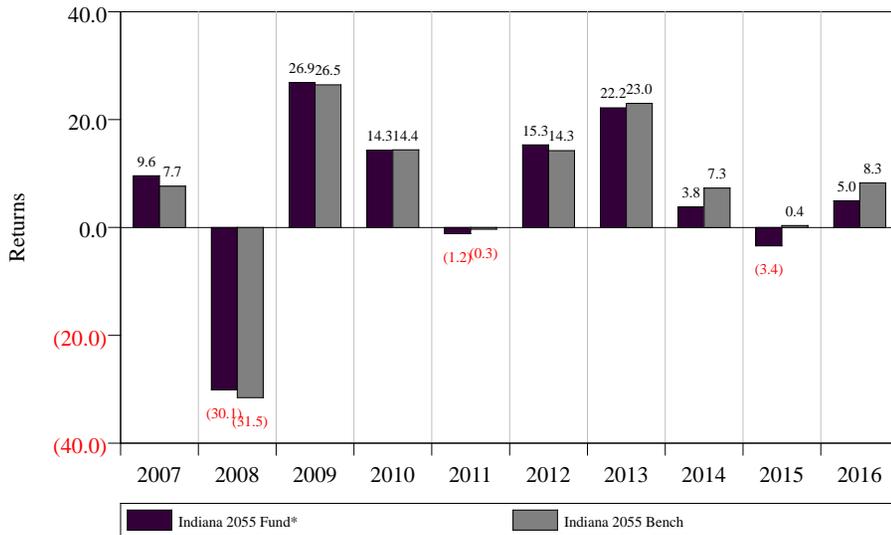
**Rolling 12 Quarter Scatter Chart for 5 Years**

*Ended December 31, 2016*

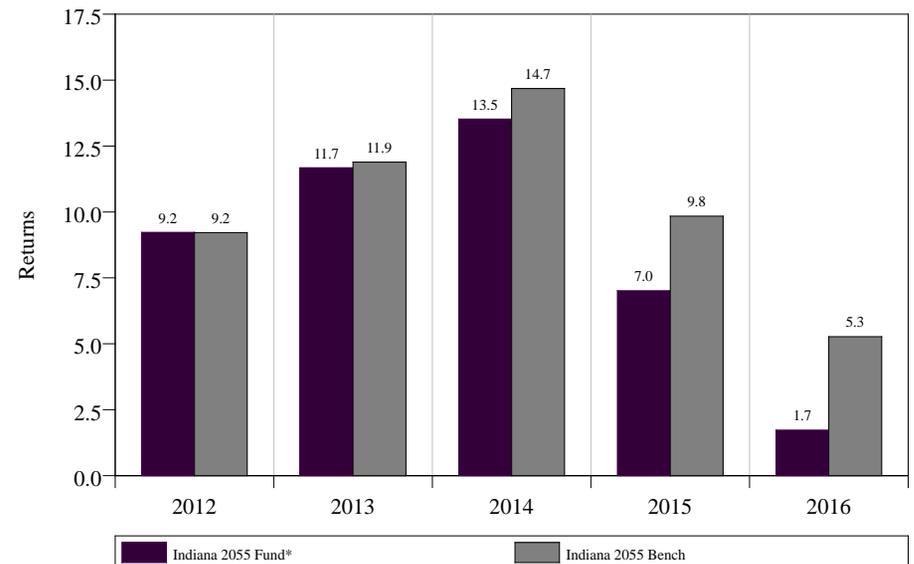


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2055 Fund	\$1,630,063	0.2%	2,420

**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



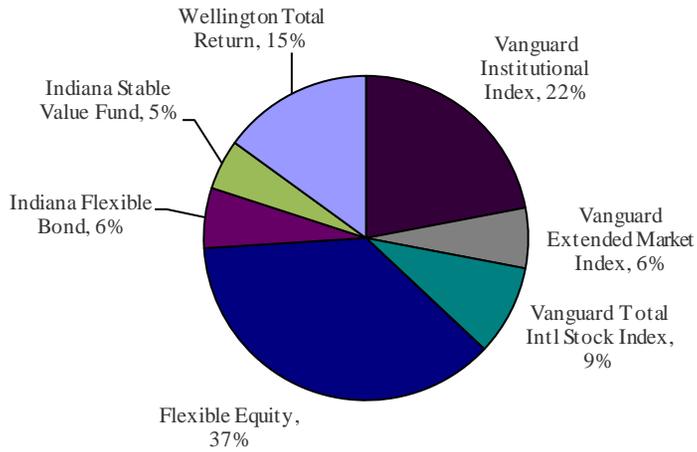
**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



\*The inception date of the Indiana 2055 Fund is January 1, 2013.

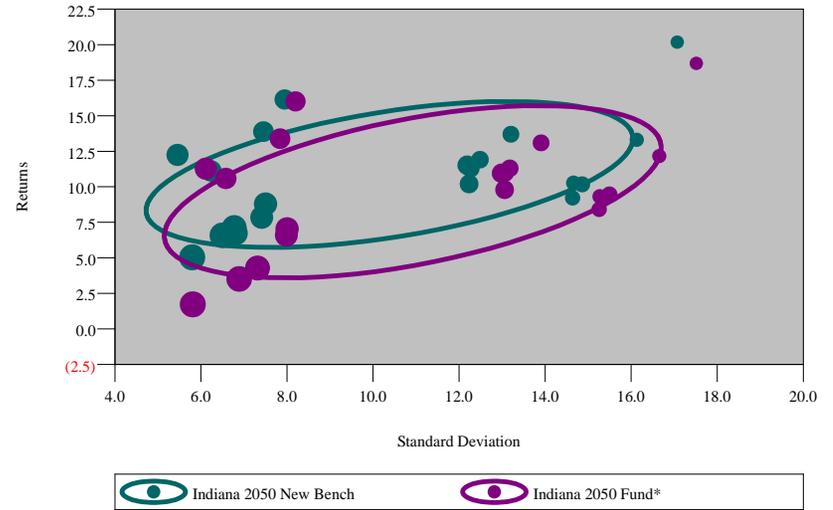


**INDIANA 2050 FUND  
STYLE: LIFESTYLE  
YEAR ENDED DECEMBER 31, 2016**



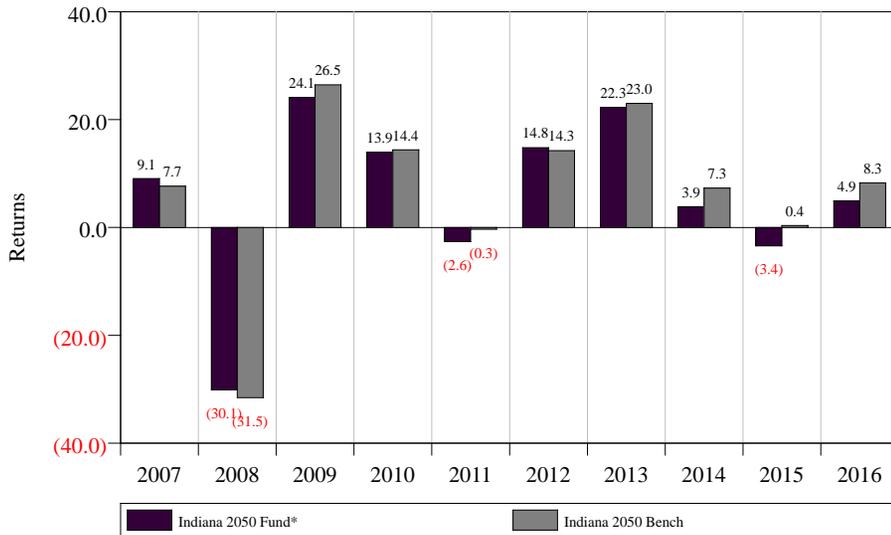
**Rolling 12 Quarter Scatter Chart for 5 Years**

*Ended December 31, 2016*

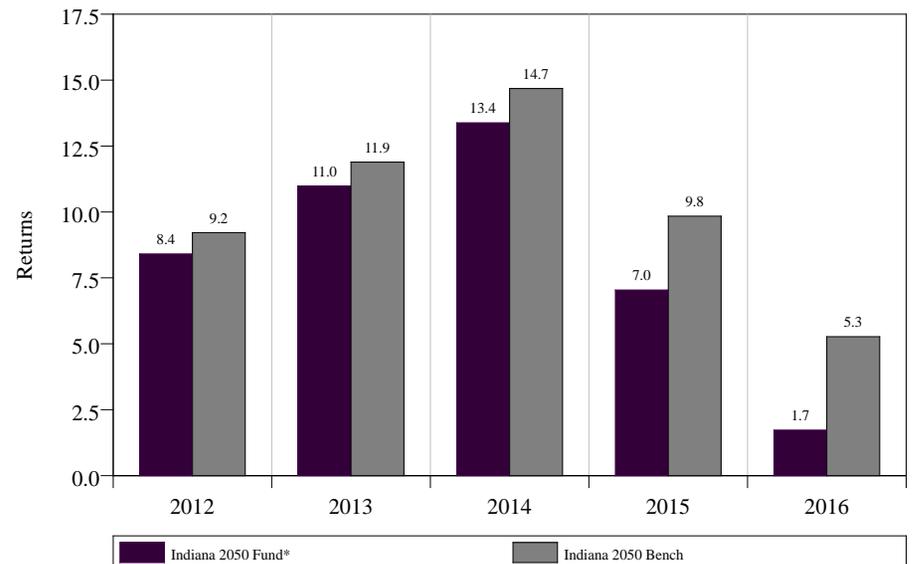


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2050 Fund	\$11,886,821	1.1%	10,730

**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



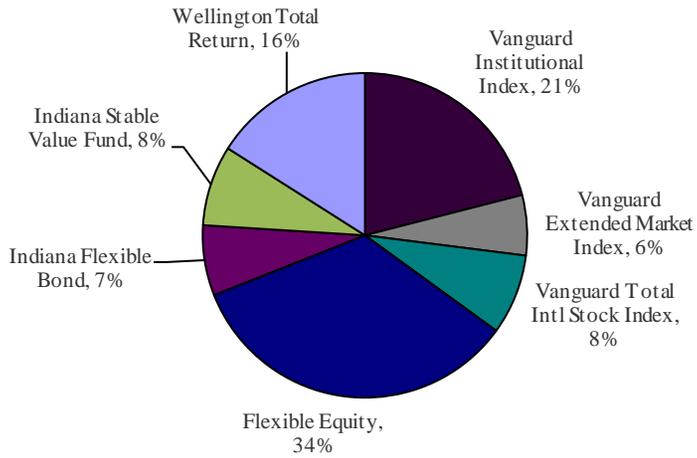
**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



\*The inception date of the Indiana 2050 Fund is January 27, 2011.

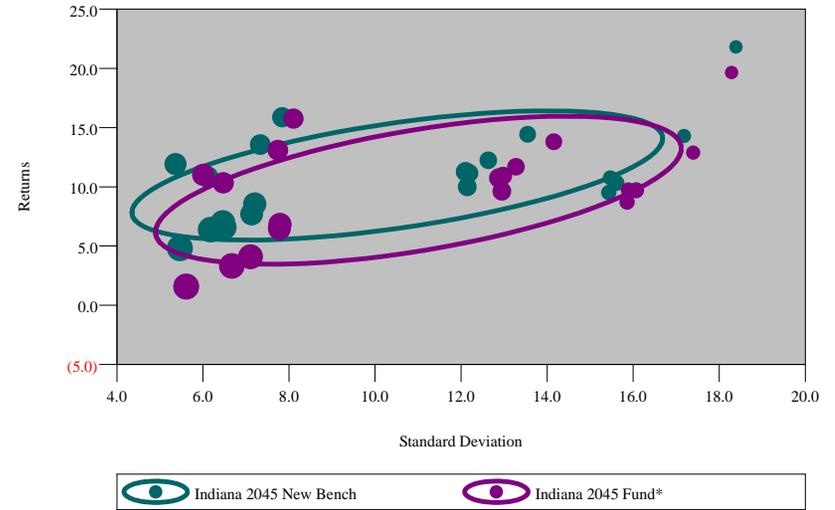


# INDIANA 2045 FUND STYLE: LIFESTYLE YEAR ENDED DECEMBER 31, 2016



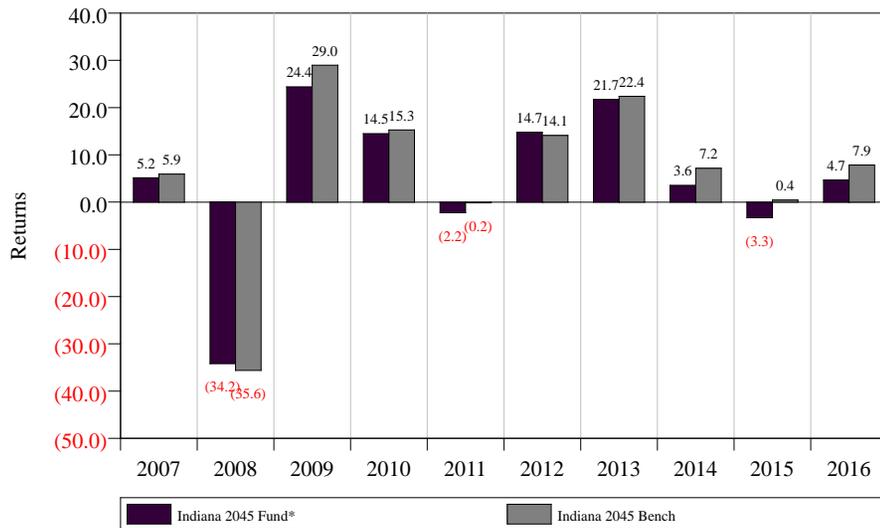
## Rolling 12 Quarter Scatter Chart for 5 Years

Ended December 31, 2016

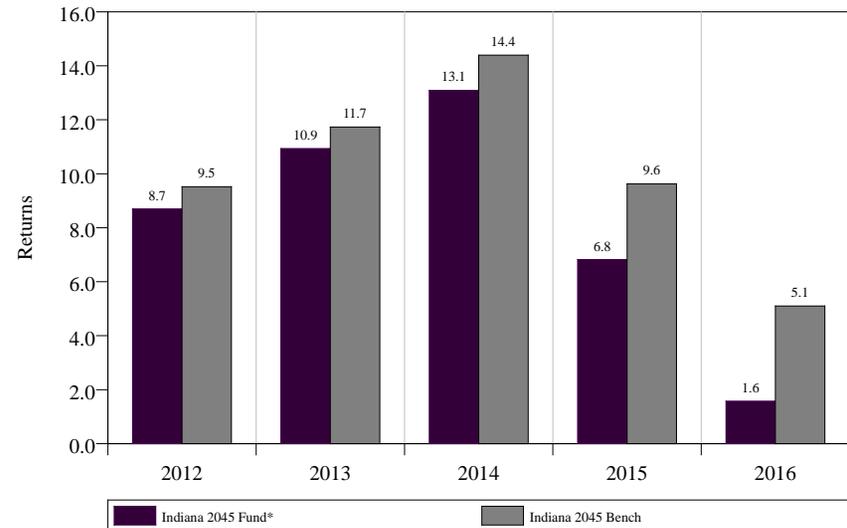


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2045 Fund	\$23,539,612	2.2%	9,934

### Returns for Calendar Years 10 Years Ended December 31, 2016



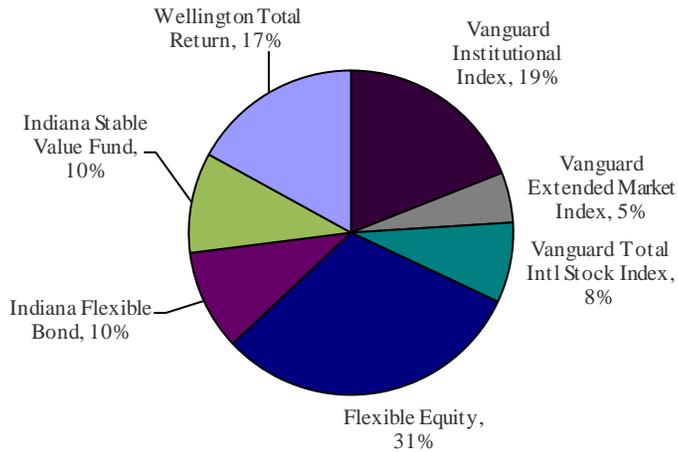
### Rolling 3 Year Returns for 5 Years Ended December 31, 2016



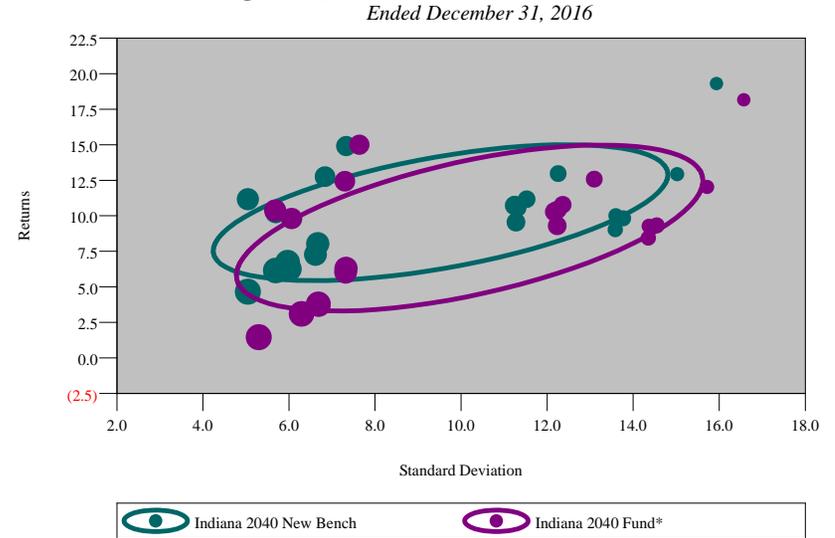
\*The inception date of the Indiana 2045 Fund is August 6, 2007.



# INDIANA 2040 FUND STYLE: LIFESTYLE YEAR ENDED DECEMBER 31, 2016

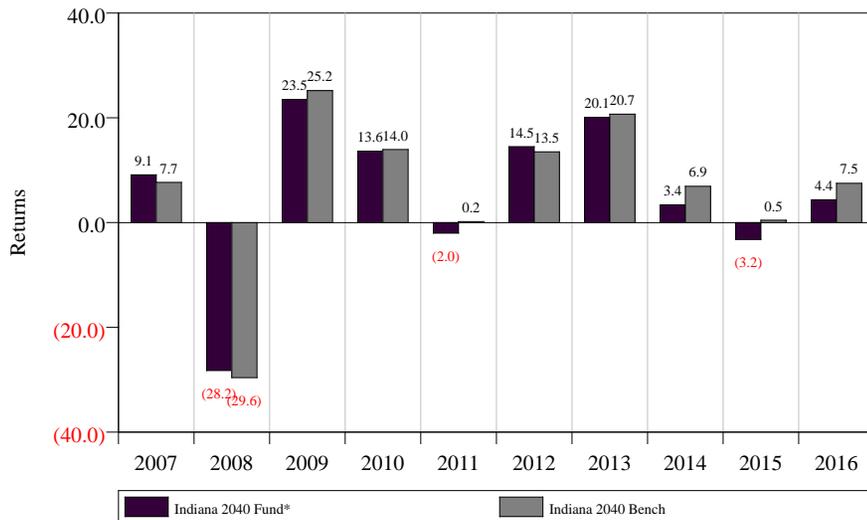


## Rolling 12 Quarter Scatter Chart for 5 Years

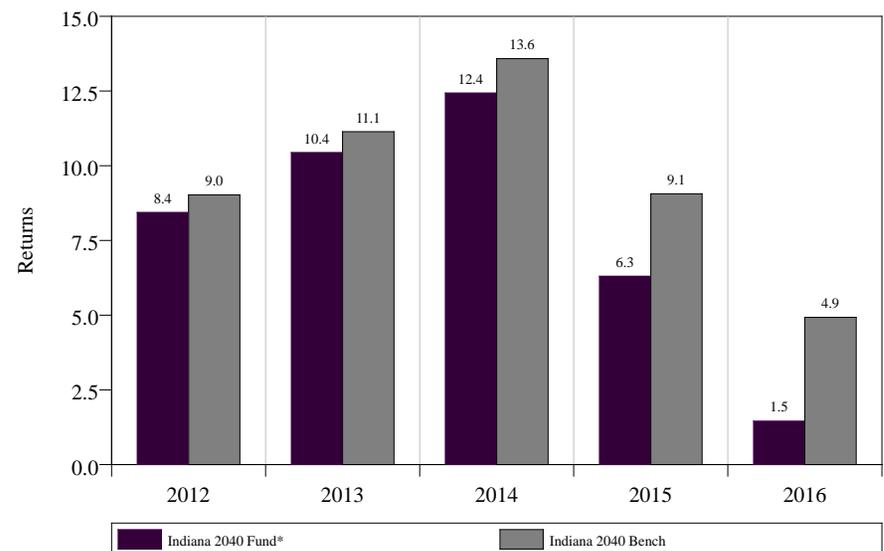


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2040 Fund	\$7,409,530	0.7%	3,659

Returns  
for Calendar Years  
10 Years Ended December 31, 2016



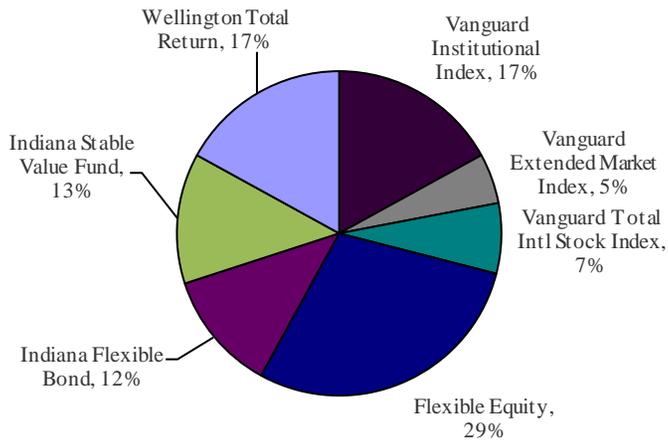
Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016



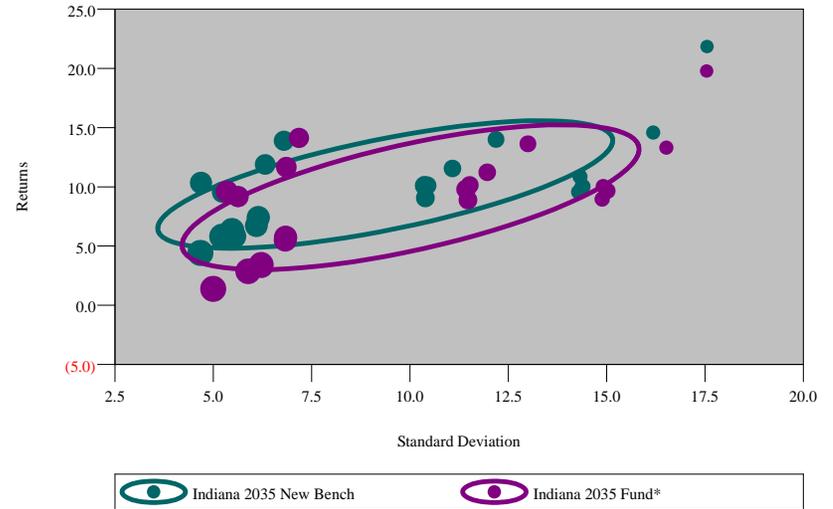
\*The inception date of the Indiana 2040 Fund is January 27, 2011.



**INDIANA 2035 FUND  
STYLE: LIFESTYLE  
YEAR ENDED DECEMBER 31, 2016**

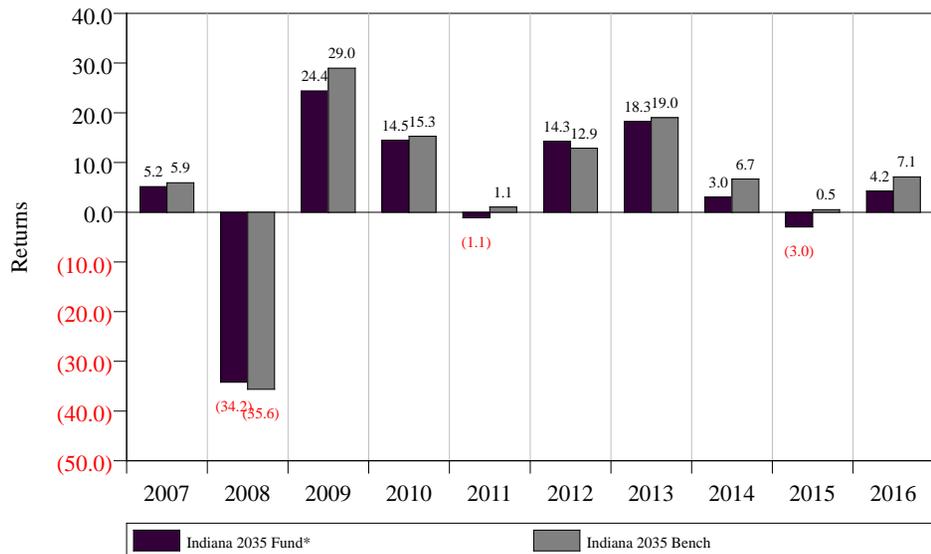


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

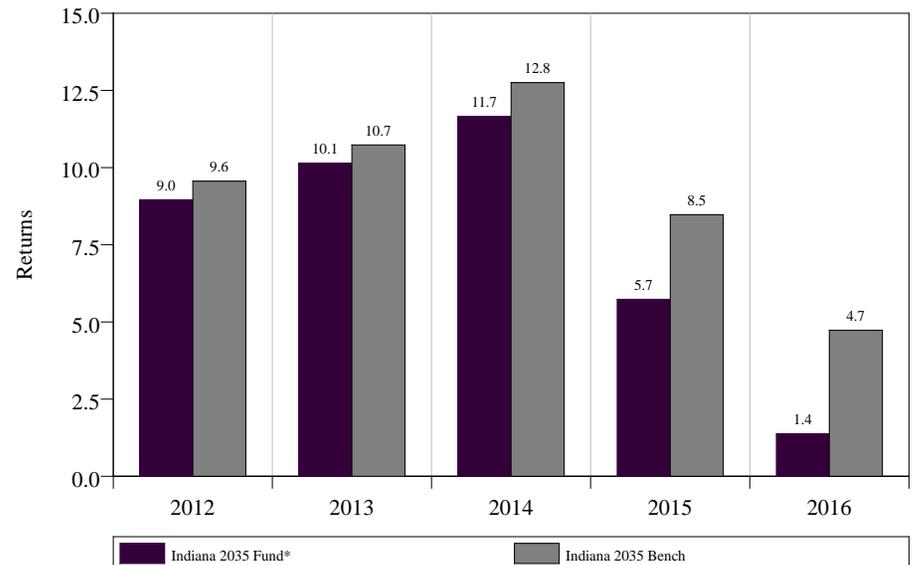


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2035 Fund	\$29,590,802	2.7%	6,924

**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



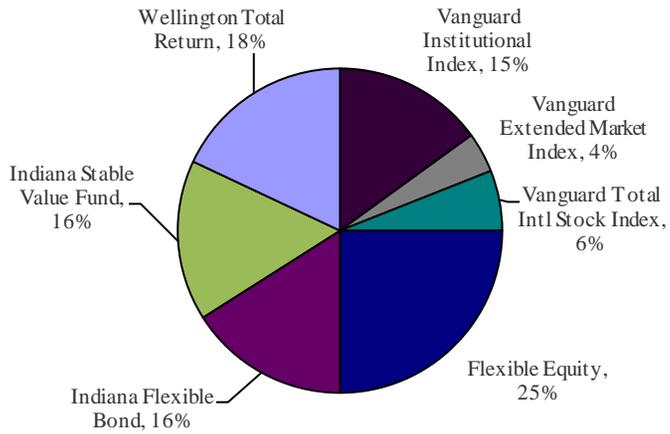
**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



\*The inception date of the Indiana 2035 Fund is August 6, 2007.

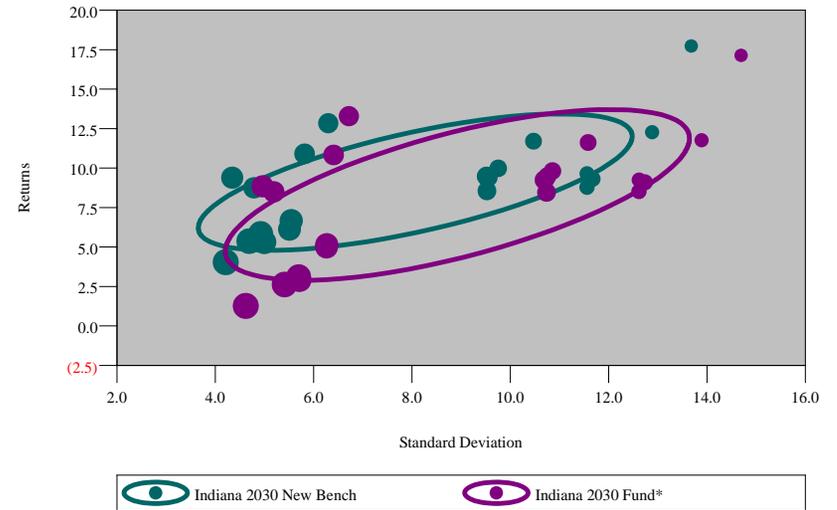


# INDIANA 2030 FUND STYLE: LIFESTYLE YEAR ENDED DECEMBER 31, 2016

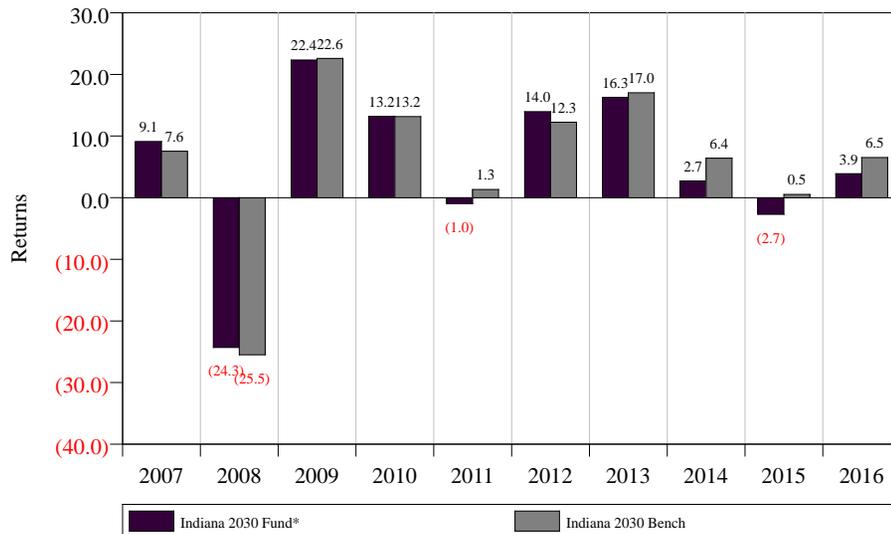


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2030 Fund	\$9,040,914	0.8%	2,785

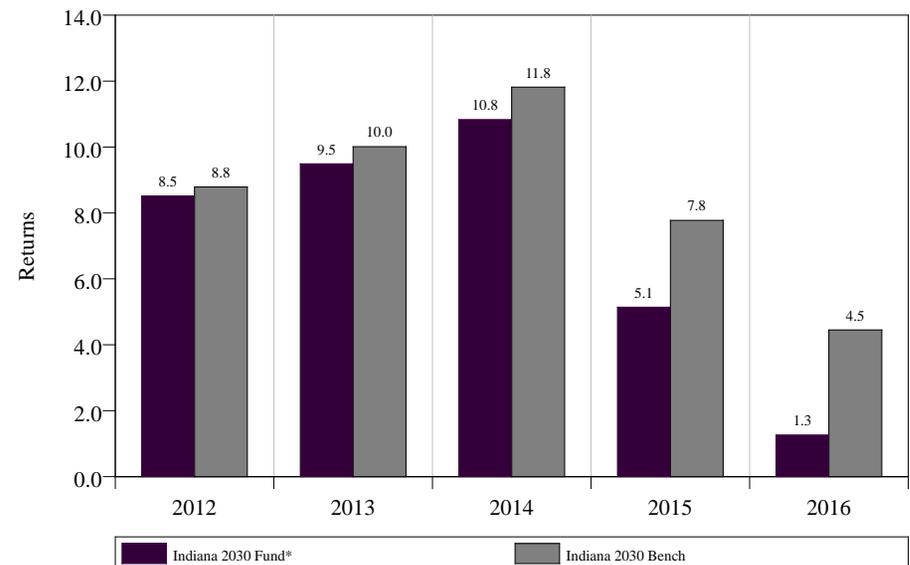
### Rolling 12 Quarter Scatter Chart for 5 Years *Ended December 31, 2016*



### Returns for Calendar Years 10 Years Ended December 31, 2016



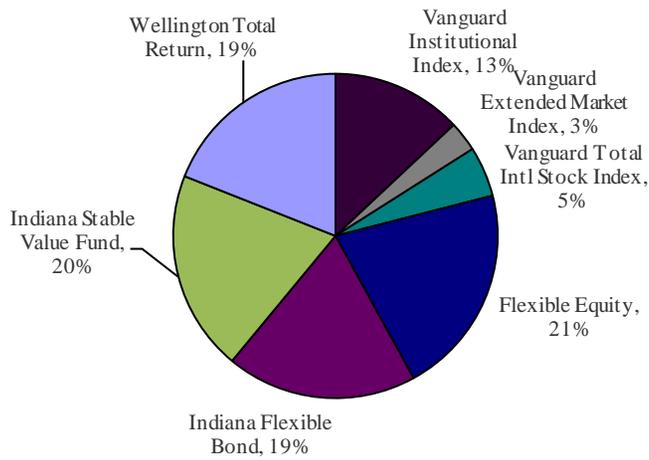
### Rolling 3 Year Returns for 5 Years Ended December 31, 2016



\*The inception date of the Indiana 2030 Fund is January 27, 2011.

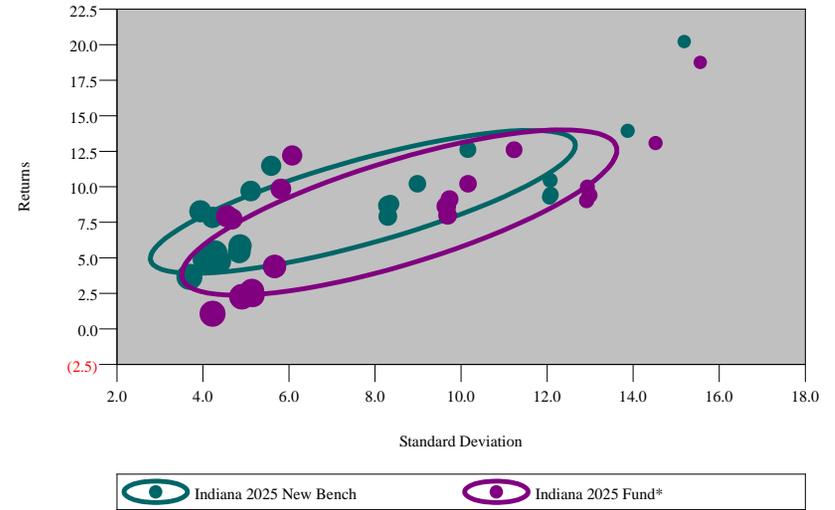


# INDIANA 2025 FUND STYLE: LIFESTYLE YEAR ENDED DECEMBER 31, 2016

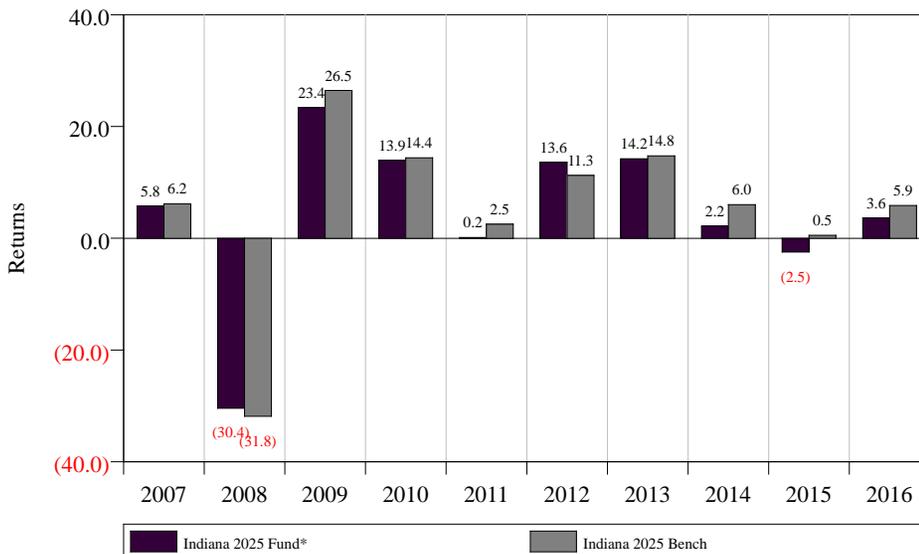


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2025 Fund	\$41,466,420	3.8%	5,844

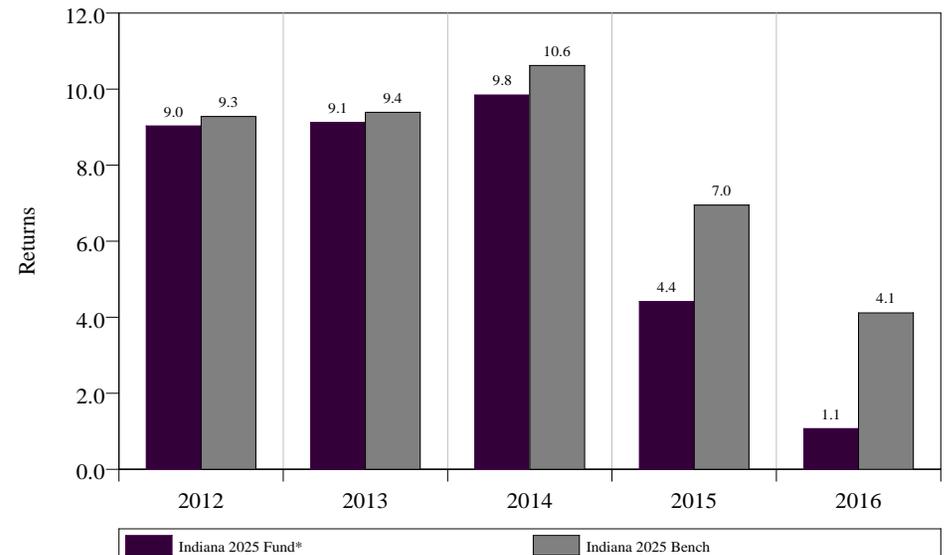
**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*



**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



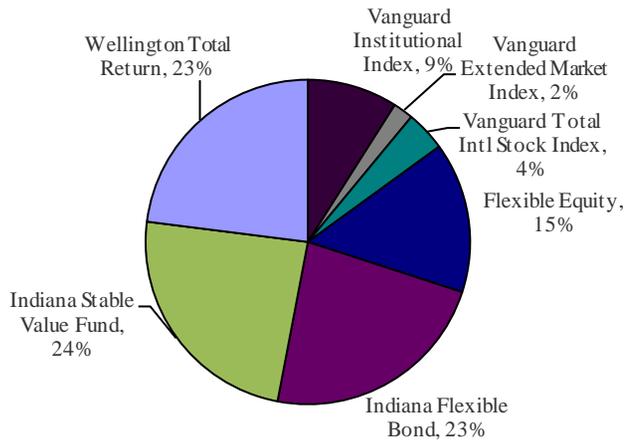
**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



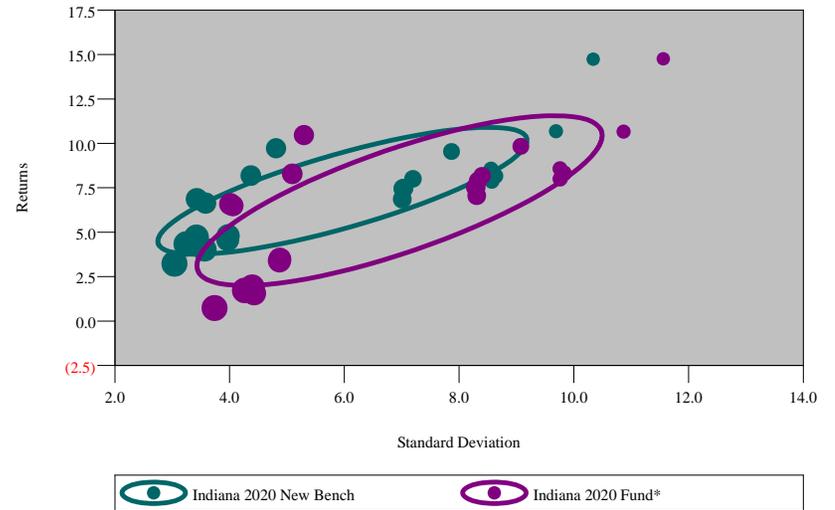
\*The inception date of the Indiana 2025 Fund is August 6, 2007.



# INDIANA 2020 FUND STYLE: LIFESTYLE YEAR ENDED DECEMBER 31, 2016

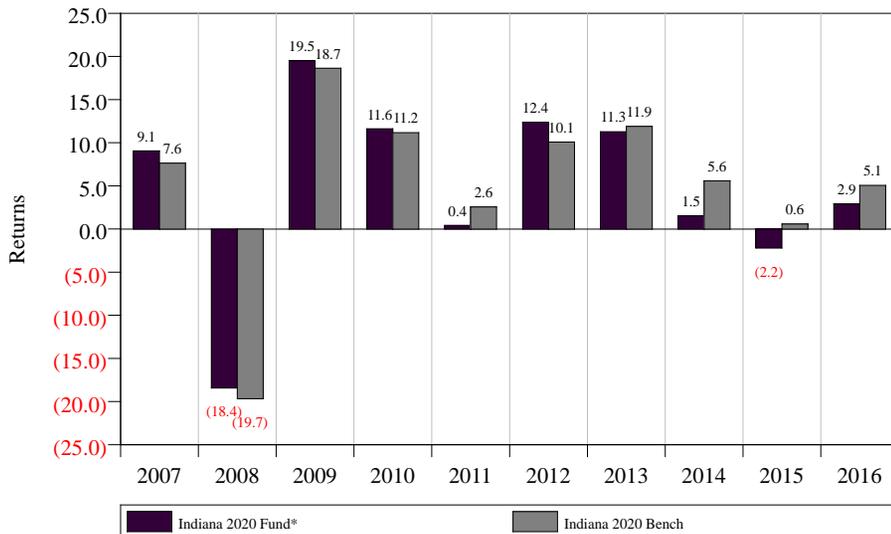


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

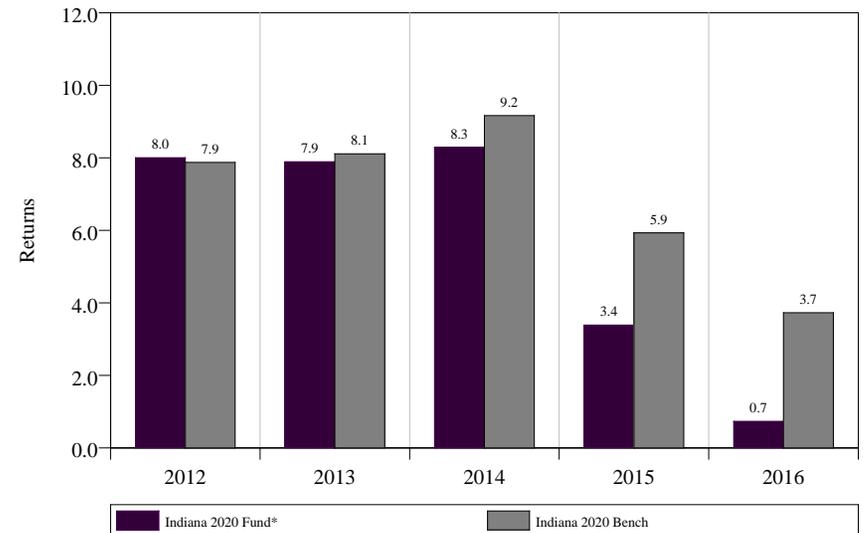


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana 2020 Fund	\$11,340,832	1.0%	1,809

**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



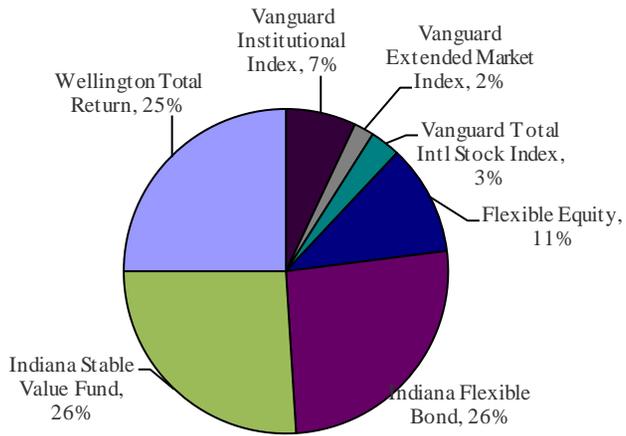
**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



\*The inception date of the Indiana 2020 Fund is January 27, 2011.

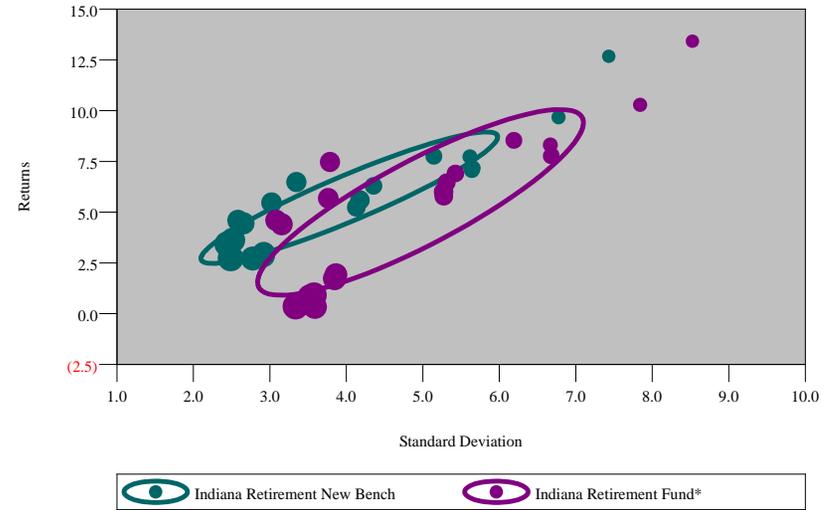


**INDIANA RETIREMENT FUND  
STYLE: LIFESTYLE  
YEAR ENDED DECEMBER 31, 2016**

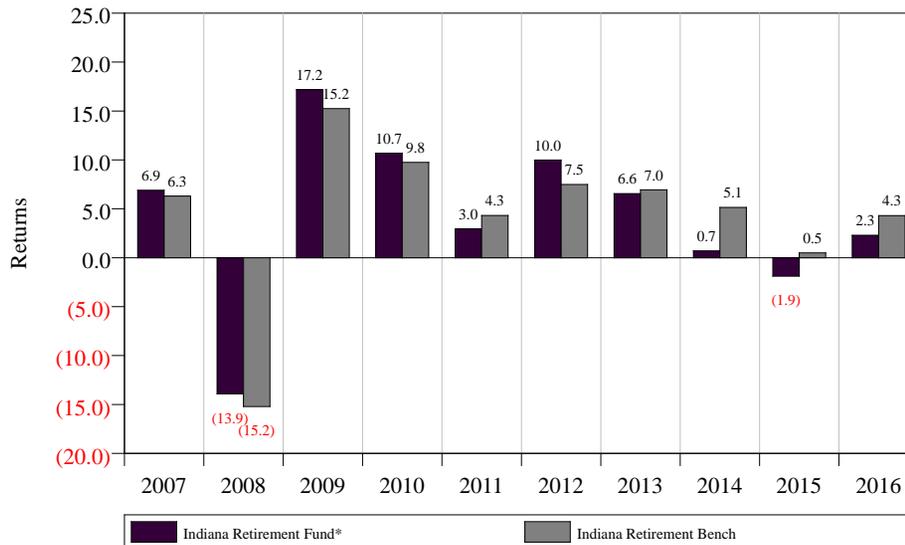


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana Retirement Fund	\$43,234,882	4.0%	3,569

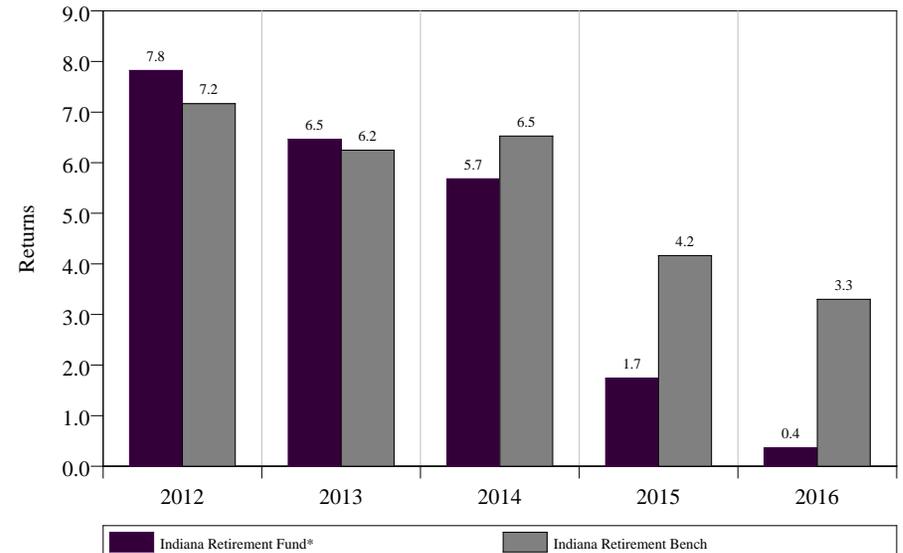
**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*



**Returns  
for Calendar Years  
10 Years Ended December 31, 2016**



**Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016**



\*The inception date of the Indiana Retirement Fund is August 6, 2007. \*\*The Indiana 2015 Fund rolled into the Retirement Fund on August 21, 2015.

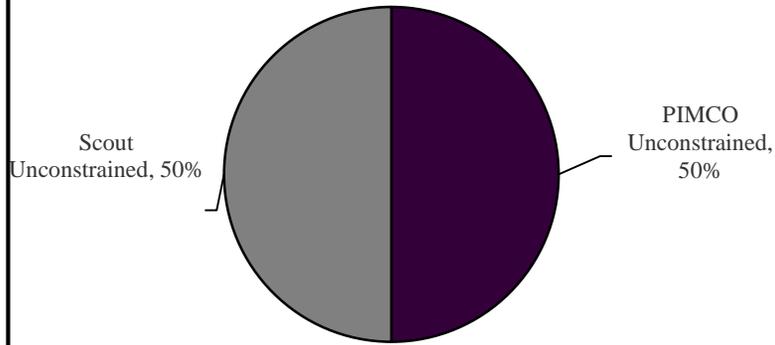


**STATE OF INDIANA FLEXIBLE BOND FUND**  
**STYLE: UNCONSTRAINED**  
**YEAR ENDED DECEMBER 31, 2016**

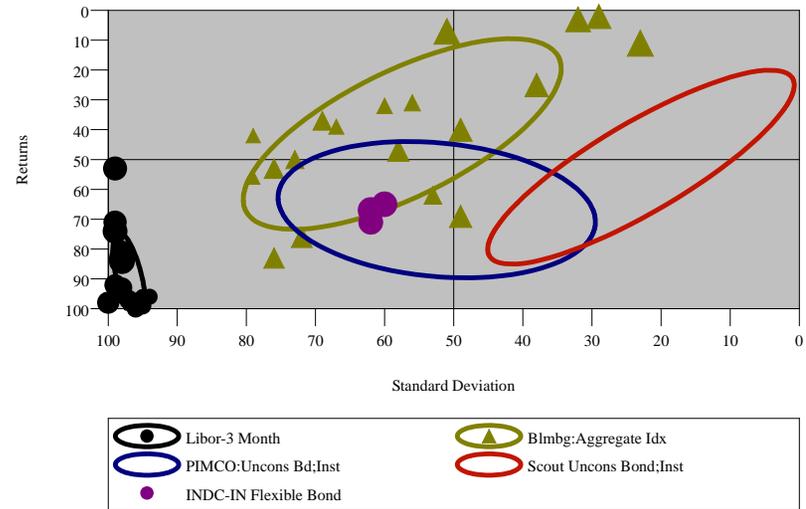
Manager	PIMCO	Reams
Product	Unconstrained Bond	Scout Unconstrained Bond Fund
Inception Date	6/30/2008	8/1/1998
Organization	Located in Newport Beach, California; Founded in 1971; over \$1.4 trillion in assets under management.	Located in Columbus, Indiana; Founded in 1981; over \$25 billion in assets under management. An autonomous subsidiary of Scout Investments.
Strategy Description	Absolute return-oriented fixed income strategy that embodies PIMCO's secular thinking, global themes, and integrated investment process without the constraints of a benchmark or significant sector / instrument limitations.	Reams believes volatility is the key driver of performance in the fixed income marketplace, but it is usually higher than expected and often mispriced. As such, they focus on total return, employing macro and bottom-up strategies, seeking relative value opportunities in the market. The team is willing to be patient and wait for opportunities to surface. The Unconstrained strategy provides Reams the full opportunity set in which to invest, and goes back to the team's roots as unconstrained investors at Cummins.
Benchmark	3-month LIBOR	None, though the BC Aggregate can be used as a broad comparison
Return Objective	3-month LIBOR + 3 - 4%	3-month LIBOR + 2%
Risk Objective	4 - 6% standard deviation	Lower volatility than the broad fixed income market
Guidelines	Flexible asset allocation (up to 40% HY, up to 50% EM, up to 35% in Non-USD, no limit on non-US securities) and duration positioning (-3 to 8yrs) seek meaningful returns in most market environments, but allow for defensive positioning and downside protection in challenging markets. Can be short duration/credit.	Duration 0 - 6 yrs; High Yield up to 75%; Non-Dollar up to 10%; Bank Loans up to 15%; will use derivatives but no leverage. The team determines whether the current bond market is cheap or expensive by comparing current real rates to historical rates. They then focus on sectors offering relative value and select securities offering the highest risk-adjusted returns. The team continually measures and controls exposures to security- and portfolio-level risks.
Key Professionals	Marc Seidner, Mohsen Fahmi, Dan Ivascyn	Steven Vincent, Mark Egan, Tom Fink, Todd Thompson, Clark Holland
Assets in Strategy	\$11.4 billion	\$6.0 billion
Vehicle	Mutual Fund PFIUX	Mutual Fund: SUBFX
Fees	90 bps	50 bps



**STATE OF INDIANA FLEXIBLE BOND FUND**  
**STYLE: UNCONSTRAINED**  
**YEAR ENDED DECEMBER 31, 2016**

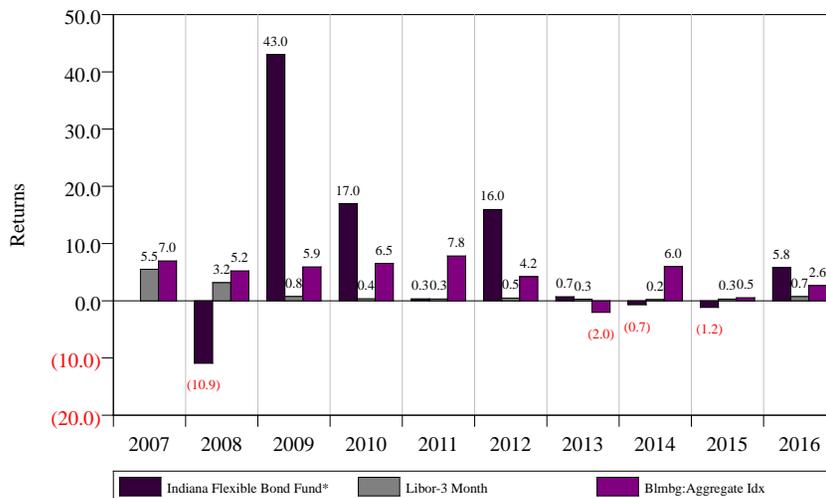


**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*

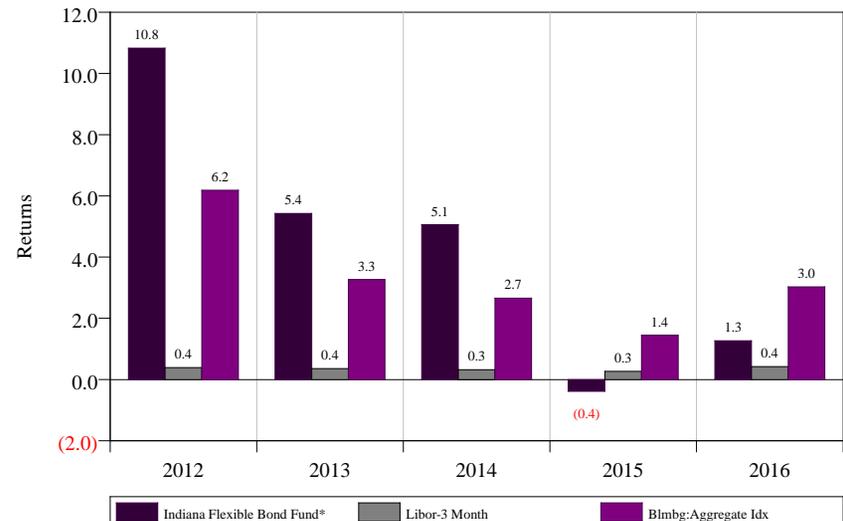


Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana Flexible Bond	\$1,273,500	0.1%	187

Returns  
for Calendar Years  
10 Years Ended December 31, 2016



Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016



\*The inception date of the Indiana Flexible Bond Fund is June 5, 2013.



**STATE OF INDIANA INFLATION-LINKED BOND  
STYLE: TIPS  
YEAR ENDED DECEMBER 31, 2016**

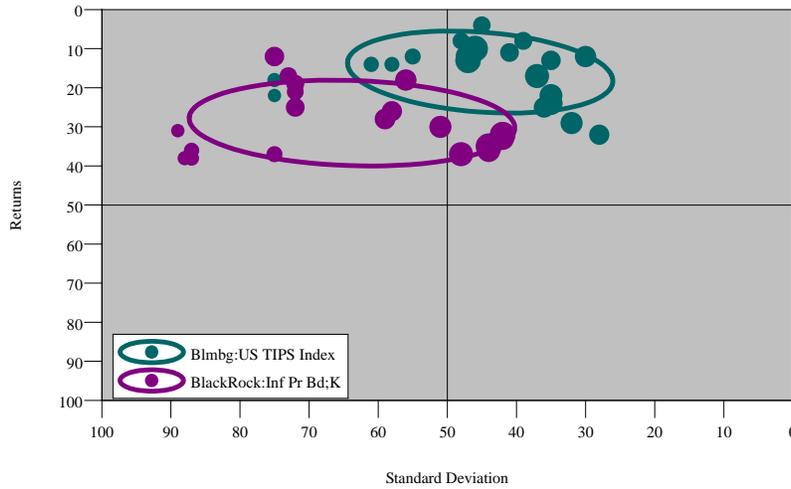
Organization	BlackRock
Product Name	Inflation Protected Bond
Product Inception Date	June 28, 2004
Ownership Structure	BlackRock is independent in ownership and governance, with no single majority stockholder and a majority of independent directors. BlackRock is a public company (NYSE:BLK).
Firm Information	Headquartered in New York, the firm maintains offices in 30 countries around the world. BlackRock was founded in 1988 with over \$5 trillion in assets under management.
Investment Philosophy	BlackRock blends top-down and bottom-up investment ideas through the utilization of separate investment teams that are responsible for research, analysis, security selection and execution. BlackRock applies the same controlled-duration, relative value sector rotation and security selection strategy to the management of all fixed income, including inflation-linked bonds. BlackRock puts emphasis on risk control.
Security Selection	The investment process centers around two weekly meetings in which lead portfolio managers and research analysts meet to share ideas. The TIPS team utilizes rigorous quantitative analysis and mathematical modeling to understand the valuation of inflation-linked securities and will at times invest limited portions of the portfolio in sectors such as MBS and corporates.
Benchmark Awareness	May invest up to 20% in non-investment grade bonds (high yield or junk bonds) or securities of emerging market issuers. May also invest up to 20% in non-dollar denominated securities of non-U.S. issuers, and may invest without limit in U.S. dollar denominated securities of non-U.S. issuers.
Key Professionals	Martin Hegarty, Gargi Chaudhuri
Assets In Product	\$2.8 billion
Fees	30 bps
Vehicle	Mutual Fund (BPLBX)

Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana Inflation Linked Bond	\$12,594,390	1.2%	10,357

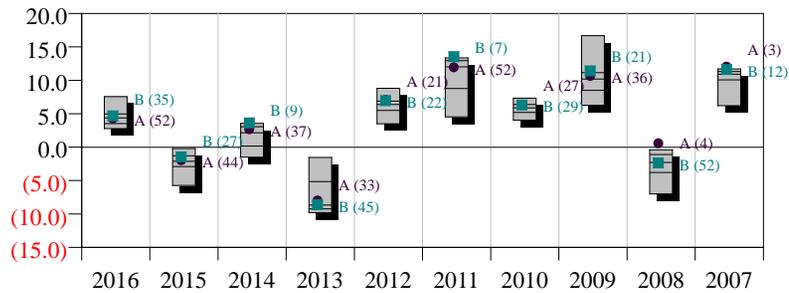


# STATE OF INDIANA INFLATION-LINKED BOND STYLE: TIPS YEAR ENDED DECEMBER 31, 2016

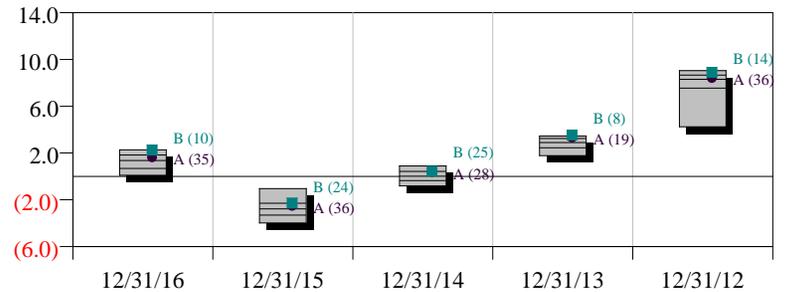
## Rolling 12 Quarter Scatter Chart for 5 Years *Ended December 31, 2016*



### Returns for Calendar Years 10 Years Ended December 31, 2016 Group: Lipper Treasury Infl Prot Securities



### Returns for 12 Quarter Rolling Periods 5 Years Ended December 31, 2016 Group: Lipper Treasury Infl Prot Securities



10th Percentile	7.58	(0.20)	3.57	(1.53)	8.81	13.37	7.34	16.69	(0.38)	11.72
25th Percentile	4.97	(1.30)	3.07	(5.15)	6.89	12.94	6.38	11.14	(1.12)	11.31
Median	4.37	(2.13)	2.16	(8.67)	6.39	12.02	5.87	10.18	(2.30)	10.92
75th Percentile	3.52	(2.91)	0.16	(9.23)	5.49	8.78	5.21	8.50	(3.79)	10.06
90th Percentile	2.78	(5.73)	(1.50)	(9.78)	3.51	4.55	4.06	6.28	(6.98)	6.21

10th Percentile	2.27	(1.04)	0.90	3.46	9.05
25th Percentile	1.83	(2.29)	0.43	3.25	8.66
Median	1.35	(2.78)	0.02	2.89	8.29
75th Percentile	0.68	(3.31)	(0.36)	2.45	7.55
90th Percentile	0.10	(3.98)	(0.81)	1.78	4.25



BlackRock:Inf Pr Bd;K	● A	4.29	(1.95)	2.68	(7.98)	7.08	11.95	6.33	10.66	0.58	12.05
Blmbg:US TIPS Index	■ B	4.68	(1.44)	3.64	(8.61)	6.98	13.56	6.31	11.41	(2.35)	11.63

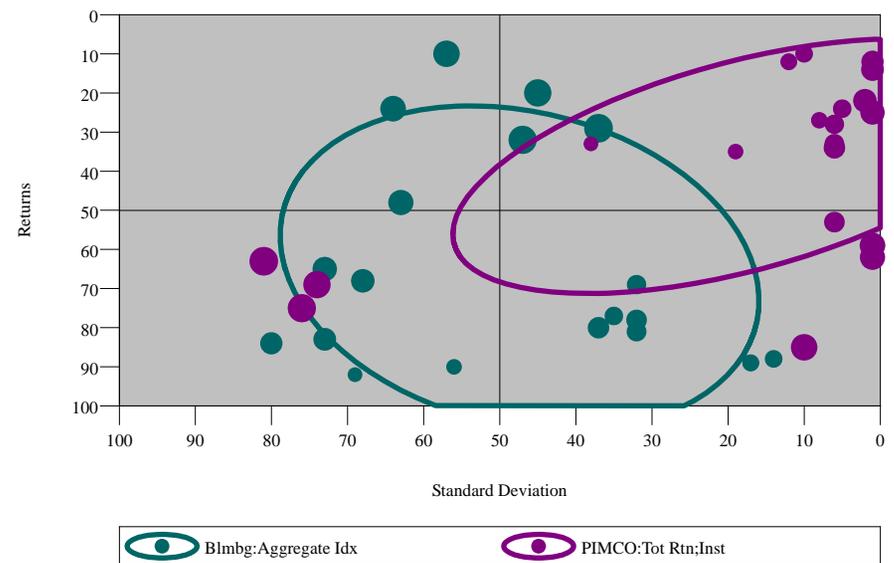
BlackRock:Inf Pr Bd;K	● A	1.64	(2.51)	0.39	3.32	8.42
Blmbg:US TIPS Index	■ B	2.26	(2.27)	0.44	3.55	8.90

**PIMCO TOTAL RETURN  
STYLE: CORE BOND  
YEAR ENDED DECEMBER 31, 2016**

Organization	PIMCO
Product Name	Total Return Fund
Product Inception Date	May 11, 1987
Ownership Structure	Wholly-owned subsidiary of Allianz AG, a Germany-based insurance company.
Firm Information	Located in Newport Beach, California; Founded in 1971; over \$1.4 trillion in assets under management.
Investment Philosophy	PIMCO seeks to add value through the use of top-down strategies, such as exposure to interest rates or duration, yield curve positioning and sector rotation. The firm looks to incorporate bottom-up security selection into their process.
Security Selection	PIMCO considers the full spectrum of global fixed income sectors when evaluating individual securities for inclusion in its Total Return accounts. Security analysis is conducted primarily by PIMCO's specialists using proprietary models and analytics internally developed and maintained by the firm's financial engineers. The specialists are charged with determining relative value within their sectors.
Credit Sector Issue Constraints	Max 10% in securities rated B or lower.
Duration	4.59
Benchmark Awareness	Will deviate from benchmark significantly in terms of duration, yield curve, and sector allocations.
Key Professionals	Scott A. Mather, Mark R. Kisel, Mihir P. Worah
Assets In Product	\$178 billion
Fees	46 bps
Vehicle	Mutual Fund (PTTRX)

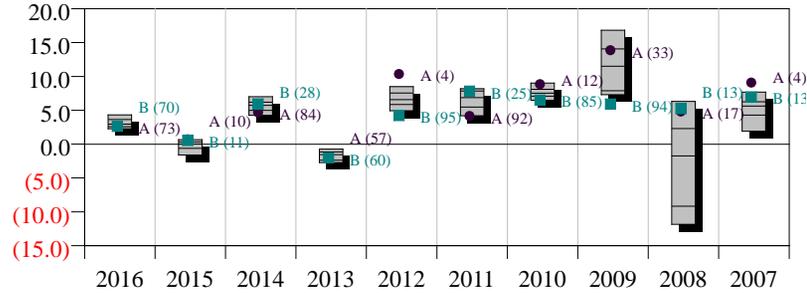
Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
PIMCO Total Return	\$44,845,602	4.1%	17,490

**Rolling 12 Quarter Scatter Chart for 5 Years**  
*Ended December 31, 2016*



# PIMCO TOTAL RETURN STYLE: CORE BOND YEAR ENDED DECEMBER 31, 2016

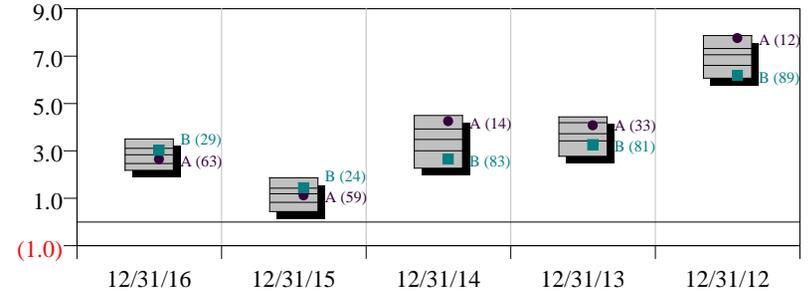
Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Core Bond Mutual Funds



10th Percentile	4.32	0.67	7.02	(0.72)	8.49	8.18	9.02	16.85	6.33	7.69
25th Percentile	3.64	0.32	6.18	(1.15)	7.54	7.84	8.09	14.07	2.31	6.25
Median	2.96	0.02	5.72	(1.55)	6.58	6.87	7.53	11.50	(1.73)	5.61
75th Percentile	2.58	(0.62)	4.98	(2.38)	5.86	5.48	7.08	7.89	(9.17)	4.29
90th Percentile	2.28	(1.59)	4.26	(2.72)	4.95	4.20	6.49	7.32	(11.85)	1.93

PIMCO:Tot Rtn;Inst	● A	2.59	0.72	4.69	(1.92)	10.35	4.16	8.86	13.87	4.82	9.08
Blmbg:Aggregate Idx	■ B	2.65	0.55	5.97	(2.02)	4.21	7.84	6.54	5.93	5.24	6.97

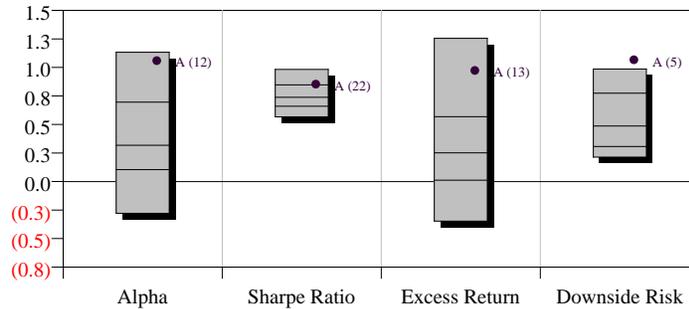
Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Core Bond Mutual Funds



10th Percentile	3.51	1.87	4.50	4.44	7.87
25th Percentile	3.11	1.42	3.93	4.19	7.32
Median	2.83	1.19	3.48	3.72	7.05
75th Percentile	2.47	0.83	3.00	3.42	6.61
90th Percentile	2.18	0.44	2.27	2.78	6.07

PIMCO:Tot Rtn;Inst	● A	2.66	1.13	4.25	4.08	7.76
Blmbg:Aggregate Idx	■ B	3.03	1.44	2.66	3.26	6.19

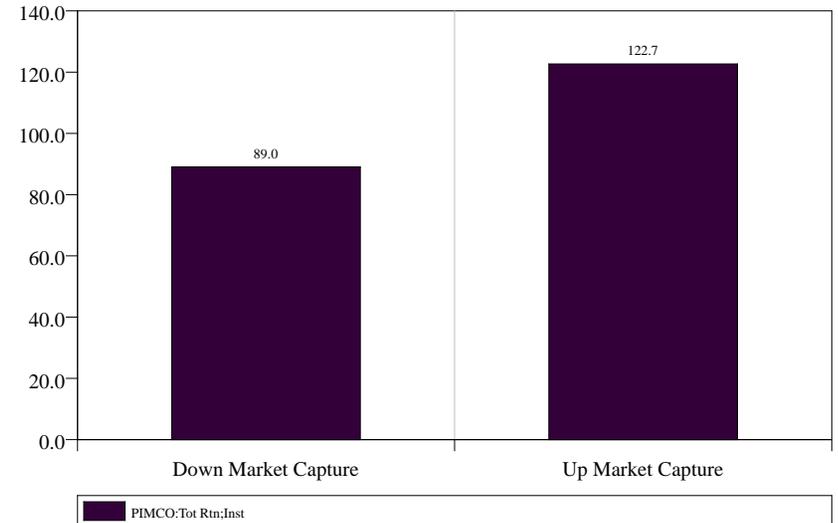
Statistics relative to Blmbg:Aggregate Idx  
for 5 Years Ended December 31, 2016  
Group: CAI Core Bond Mutual Funds



10th Percentile	1.13	0.98	1.26	0.99
25th Percentile	0.70	0.85	0.57	0.77
Median	0.32	0.74	0.25	0.49
75th Percentile	0.10	0.66	0.01	0.31
90th Percentile	(0.28)	0.57	(0.35)	0.21

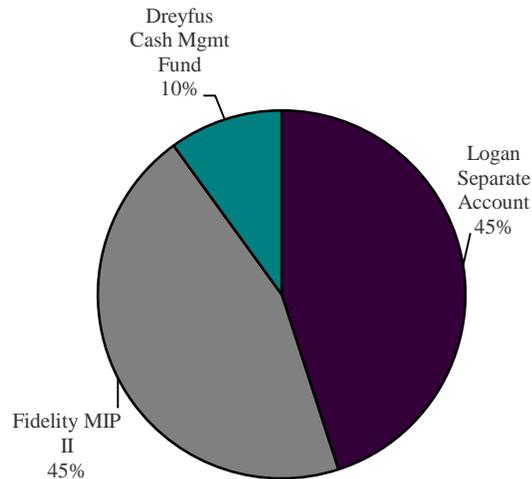
PIMCO:Tot Rtn;Inst	● A	1.06	0.85	0.97	1.07
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Statistics relative to Blmbg:Aggregate Idx  
for 5 Years Ended December 31, 2016



**INDIANA STABLE VALUE FUND  
STYLE: STABLE VALUE  
YEAR ENDED DECEMBER 31, 2016**

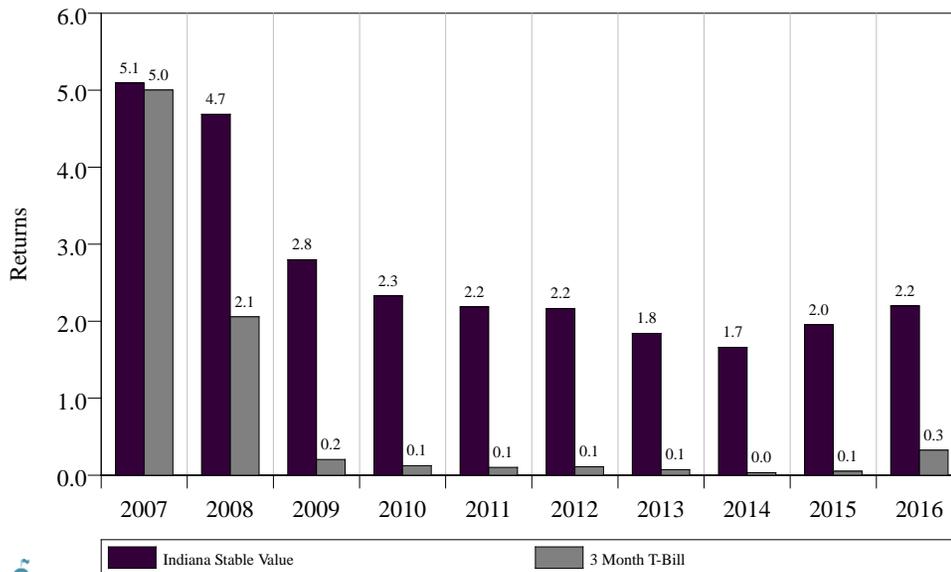
Target Allocation



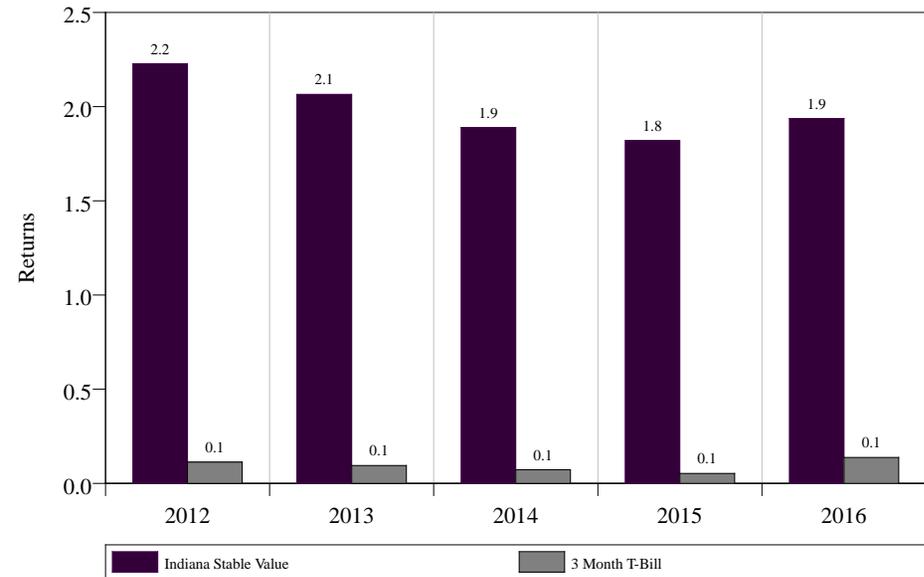
Book/Market Valuation	
% of MV/BV	100.43%
Annualized Yield	1.84%

Fund	December 31, 2016 Market Value	% of Plan Assets	# of Participants
Indiana Stable Value Fund	\$351,550,363	32.5%	30,522

Returns  
for Calendar Years  
10 Years Ended December 31, 2016



Rolling 3 Year Returns  
for 5 Years Ended December 31, 2016

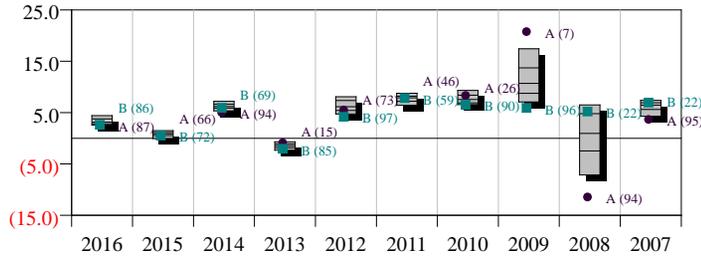


# INDIANA STABLE VALUE FUND

## STYLE: STABLE VALUE

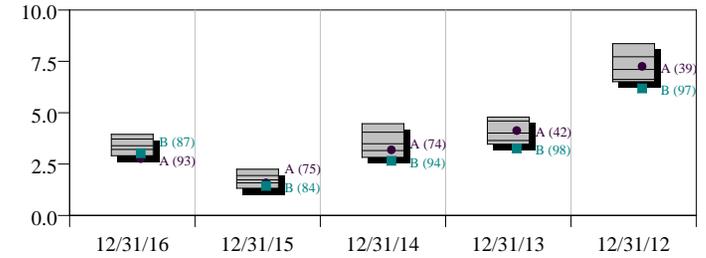
### YEAR ENDED DECEMBER 31, 2016

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Core Bond Fixed Income



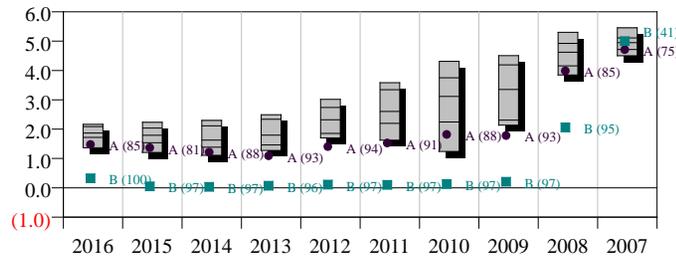
10th Percentile	4.43	1.51	7.21	(0.66)	8.11	8.78	9.35	17.43	6.50	7.39
25th Percentile	3.79	1.13	6.64	(1.10)	7.37	8.21	8.39	13.73	4.78	6.93
Median	3.13	0.84	6.19	(1.46)	6.15	7.89	7.56	10.71	0.96	6.46
75th Percentile	2.80	0.52	5.88	(1.84)	5.43	7.22	6.89	8.76	(2.45)	5.61
90th Percentile	2.59	(0.03)	5.35	(2.32)	4.74	6.43	6.57	7.10	(7.12)	4.30
Logan Circle Core* A	2.63	0.67	5.05	(0.86)	5.52	7.92	8.34	20.78	(11.42)	3.67
Blmbg:Aggregate Idx B	2.65	0.55	5.97	(2.02)	4.21	7.84	6.54	5.93	5.24	6.97

Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Core Bond Fixed Income



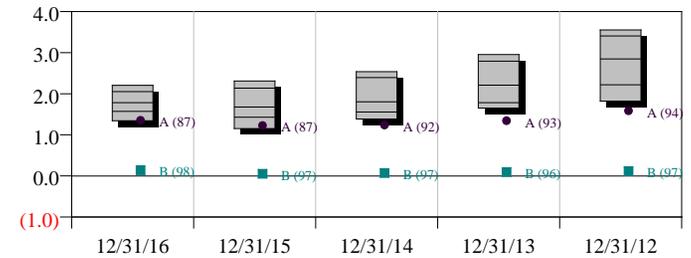
10th Percentile	3.95	2.25	4.47	4.79	8.37
25th Percentile	3.72	1.95	4.05	4.60	7.73
Median	3.39	1.73	3.49	4.01	7.11
75th Percentile	3.21	1.58	3.16	3.65	6.62
90th Percentile	2.91	1.33	2.83	3.47	6.52
Logan Circle Core* A	2.76	1.59	3.20	4.13	7.26
Blmbg:Aggregate Idx B	3.03	1.44	2.66	3.26	6.19

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Stable Value



10th Percentile	2.17	2.24	2.30	2.49	3.02	3.59	4.32	4.51	5.30	5.46
25th Percentile	2.09	2.04	2.11	2.34	2.74	3.35	3.75	4.19	4.92	5.11
Median	1.87	1.79	1.62	1.80	2.32	2.61	3.12	3.35	4.62	4.95
75th Percentile	1.72	1.54	1.38	1.46	1.85	2.20	2.24	2.31	4.16	4.72
90th Percentile	1.37	1.21	1.11	1.28	1.70	1.63	1.24	2.14	3.85	4.50
Fidelity MIP II Class III A	1.48	1.37	1.22	1.09	1.41	1.53	1.82	1.78	3.99	4.71
3 Month T-Bill B	0.33	0.05	0.03	0.07	0.11	0.10	0.13	0.21	2.06	5.00

Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Stable Value



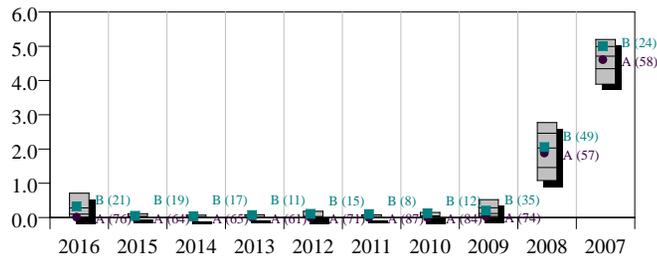
10th Percentile	2.21	2.31	2.54	2.96	3.56
25th Percentile	2.05	2.14	2.39	2.79	3.40
Median	1.78	1.68	1.80	2.21	2.85
75th Percentile	1.57	1.43	1.56	1.78	2.22
90th Percentile	1.34	1.15	1.39	1.65	1.82
Fidelity MIP II Class III A	1.35	1.23	1.24	1.34	1.59
3 Month T-Bill B	0.14	0.05	0.07	0.10	0.11

Logan Circle Core\* = Delaware Core Plus Focused through March 31, 2006, INDC actual returns thereafter.



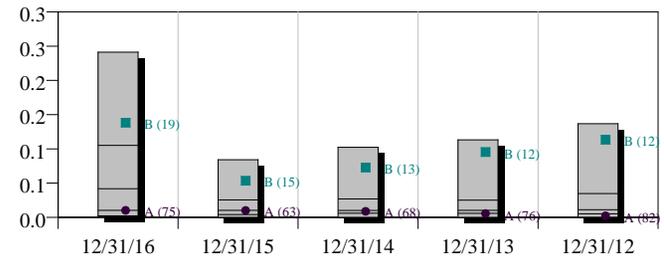
**INDIANA STABLE VALUE FUND**  
**STYLE: STABLE VALUE**  
**YEAR ENDED DECEMBER 31, 2016**

Returns  
for Calendar Years  
10 Years Ended December 31, 2016  
Group: CAI Money Market Funds



10th Percentile	0.71	0.11	0.07	0.08	0.18	0.08	0.15	0.52	2.77	5.20
25th Percentile	0.28	0.03	0.02	0.02	0.03	0.02	0.05	0.28	2.46	4.99
Median	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.12	2.03	4.71
75th Percentile	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.03	1.46	4.34
90th Percentile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.08	3.89
Dreyfus Gvt Csh Mgt;Par	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.04	1.88	4.61
3 Month T-Bill	0.33	0.05	0.03	0.07	0.11	0.10	0.13	0.21	2.06	5.00

Returns  
for 12 Quarter Rolling Periods  
5 Years Ended December 31, 2016  
Group: CAI Money Market Funds



10th Percentile	0.24	0.08	0.10	0.11	0.14
25th Percentile	0.11	0.03	0.03	0.03	0.03
Median	0.04	0.01	0.01	0.01	0.01
75th Percentile	0.01	0.00	0.01	0.01	0.01
90th Percentile	0.00	0.00	0.00	0.00	0.00
Dreyfus Gvt Csh Mgt;Par	0.01	0.01	0.01	0.01	0.00
3 Month T-Bill	0.14	0.05	0.07	0.10	0.11



# Plan Fees

# Investment Management Fees

Manager	Style	Fee Schedule	Median Peer Group Fees
VINIX Vanguard Institutional Index	Passive Core Equity	4 basis points	
DIEQX Domini Social Equity	Core Equity	80 basis points	95 basis points
MKLVX BlackRock Large Cap Value	Large Cap Value	67 basis points	84 basis points
WFCRX Wells Fargo Adv Capital Growth	Large Cap Growth	60 basis points	100 basis points
MVCKX MFS Mid Cap Value	Mid Cap Value	77 basis points	111 basis points
VHCAX Vanguard Capital Opportunity	Mid Cap Growth	38 basis points	113 basis points
VIEIX Vanguard Extended Market Index*	Passive Extended Equity	7 basis points	
IBSMX Frontegra Ironbridge SMID Cap Core	Small Cap Broad	95 basis points	118 basis points
FLPSX Fidelity Low-Priced Stock	Specialty	88 basis points	
VTSNX Vanguard Total International Stock Index*	Passive Core International	10 basis points	
FDIVX Fidelity Diversified International	Core International	105 basis points	95 basis points

Manager	Style	Fee Schedule	Median Peer Group Fees
REGGX American Funds EuroPacific Growth	Core International	50 basis points	95 basis points
EPSRX Mainstay Epoch Shareholder Yield*	Unconstrained Equity	74 basis points	
OSTFX Osterweis Fund*	Unconstrained Equity	103 basis points	
PVSYX Putnam Capital Spectrum*	Unconstrained Equity	112 basis points	
Indiana Retirement Funds	Lifestyle	51-57 basis points	58-65 basis points
Indiana Flexible Bond Fund	Unconstrained F/I	70 basis points	
BPLBX BlackRock Inflation Protected Bond	TIPS	30 basis points	70 basis points
PTTRX PIMCO Total Return	Core Bond	46 basis points	55 basis points
Indiana Stable Value Fund	Stable Value	55 basis points	
Wellington Real Total Return*	Alternatives	70 basis points	

\*An underlying component of the custom Indiana Target Date Funds. Not available on a stand-alone basis.

- All of the investment options have fees that are below or in-line with peers.

# Total Fees

Manager	Style	12/31/16 Market Value	Inv Mgmt Fees (%)	Est. Inv Mgmt Fees (\$)
Vanguard Institutional Index	Passive Core Equity	\$90,273,544	0.04%	\$36,109
Domini Social Equity	Core Equity	\$20,387,152	0.80%	\$163,097
BlackRock Large Cap Value	Large Cap Value	\$69,256,088	0.67%	\$464,016
Wells Fargo Adv Capital Growth	Large Cap Growth	\$66,696,598	0.60%	\$400,180
MFS Mid Cap Value	Mid Cap Value	\$42,159,927	0.77%	\$324,631
Vanguard Capital Opportunity	Mid Cap Growth	\$94,904,293	0.38%	\$360,636
Ironbridge SMID Cap Core	Small Cap Broad	\$30,014,630	0.95%	\$285,139
Fidelity Low-Priced Stock	Specialty	\$21,502,302	0.88%	\$189,220
Fidelity Diversified International	Core International	\$40,300,697	1.05%	\$423,157
American Funds EuroPacific Growth	Core International	\$17,183,026	0.50%	\$85,915
Indiana 2060 Fund	Lifestyle	\$1,226,685	0.51%	\$6,256
Indiana 2055 Fund	Lifestyle	\$1,630,063	0.51%	\$8,313
Indiana 2050 Fund	Lifestyle	\$11,886,821	0.51%	\$60,623
Indiana 2045 Fund	Lifestyle	\$23,539,612	0.52%	\$122,406
Indiana 2040 Fund	Lifestyle	\$7,409,530	0.53%	\$39,271
Indiana 2035 Fund	Lifestyle	\$29,590,802	0.53%	\$156,831
Indiana 2030 Fund	Lifestyle	\$9,040,914	0.54%	\$48,821
Indiana 2025 Fund	Lifestyle	\$41,466,420	0.55%	\$228,065
Indiana 2020 Fund	Lifestyle	\$11,340,832	0.56%	\$63,509
Indiana Retirement Fund	Lifestyle	\$43,234,882	0.57%	\$246,439
Indiana Flexible Bond Fund	Unconstrained F/I	\$1,273,500	0.70%	\$8,915
Indiana Inflation Protected Bond	TIPS	\$12,594,390	0.30%	\$37,783
PIMCO Total Return	Core Bond	\$44,845,602	0.46%	\$206,290
Indiana Stable Value Fund	Stable Value	\$351,550,363	0.55%	\$1,933,527
		<b>\$1,083,308,672</b>	<b>0.54%</b>	<b>\$5,899,150</b>

- The estimated investment management fees for the past year totaled \$5,899,150.\*
- The administrative fees paid in calendar year 2016 were \$2,763,292.

\*Based on December 31, 2016 market values.

## Glossary

### **Floating Bar Return Chart**

The Floating Bar chart is used to compare a manager's return against a style group and benchmark's return. A style group is a collection of funds/managers that uses a similar investment strategy for the investment management of their portfolio. It is intended to be a comparison of active managers.

The floating bar represents 80% of the managers included in a particular style group of Callan's universe. The top of the floating bar indicates the 10<sup>th</sup> percentile of the group and the bottom represents the 90<sup>th</sup> percentile. The middle dashed line is the median, which has a percent rank of 50. The dashed line just above this is the 25<sup>th</sup> percentile and the one below is the 75<sup>th</sup> percentile. The higher up on the floating bar chart the better. The number in parentheses next to each floating bar is the percentile (1 = best performer, 100 = worst performer) the manager and the index ranked for that period. For example, if a fund ranked at the 37<sup>th</sup> percentile, it means that the fund outperformed 63% of the managers in that particular style group and underperformed 37% of the managers in that group.

### **Risk vs. Return Scatter Chart**

The Risk vs. Return scatter chart is used to show a graphical representation of a manager's risk/return profile within a style group. Returns are on the vertical axis and standard deviation (risk) is on the horizontal axis. The scatter chart is broken down into four quadrants: northeast, northwest, southeast, and southwest. The northwest quadrant (more return/less risk) is the ideal place for a portfolio to reside. The southeast quadrant (less return/more risk) is the worst quadrant. The crosshairs in the chart represent the median (50<sup>th</sup> Percentile) return and median standard deviation of the particular style group.

### **Alpha**

Alpha measures a portfolio's return in excess of the market return adjusted for risk. It is a measure of the manager's contribution to performance with reference to security selection. A positive alpha indicates that a portfolio was positively rewarded for the residual risk which was taken for that level of market exposure.

### **Basis Point**

1% change = 100 basis points, and 0.01% = 1 basis point.

### **Coupon Rate**

The average coupon is the market value weighted average coupon of all securities in the portfolio. The total coupon payments per year are divided by the total portfolio par value.

### **Dividend Yield**

Dividend Yield is the total amount of dividends paid out for a stock over the preceding twelve months divided by the closing price of a share of the common stock.

### **Down Market Capture**

Down Market Capture represents the ratio of return generated by a manager versus an index when that index is performing negatively.

### **Downside Risk**

Downside Risk stems from the desire to differentiate between "good risk" (upside volatility) and "bad risk" (downside volatility). Whereas standard deviation punishes both upside and downside volatility, downside risk measures only the standard deviation of returns below the target. Returns above the target are assigned a deviation of zero. Both frequency and magnitude of underperformance affect the amount of downside risk.

### **Effective Maturity**

This is a measure of the market-value-weighted-average of the years to expected maturity across all of the securities in the portfolio. Expected years to maturity takes into account any put or call options embedded in the security, any expected sinking-fund paydowns or any expected mortgage principal prepayments.

## Glossary

### **Effective Yield**

The effective yield is the actual total annualized return that would be realized if all securities in the portfolio were held to their expected maturities. Effective yield is calculated as the internal rate of return, using the current market value and all expected future interest and principal cash flows. This measure incorporates sinking fund paydowns, expected mortgage principal prepayments, and the exercise of any “in-the-money” embedded put or call options.

### **Excess Return Ratio**

Excess Return Ratio is a measure of risk adjusted relative return. This ratio captures the amount of active management performance (value added relative to an index) per unit of active management risk (tracking error against the index). It is calculated by dividing the manager’s annualized cumulative excess return relative to the index by the standard deviation of the individual quarterly excess returns. The Excess Return Ratio can be interpreted as the manager’s active risk/reward tradeoff for diverging from the index when the index is mandated to be the “riskless” market position.

### **Forecasted Growth in Earnings**

This growth rate is a measure of a company’s expected long-term success in generating future year-over-year earnings growth. This growth rate is a market value weighted average of the consensus (mean) analysts’ long-term earnings growth rate forecast for each company in the portfolio. The definition of long-term varies by analyst but is limited to a 3-8 year range. This value is expressed as the expected average annual growth of earnings in percent.

### **Information Ratio**

The information ratio measures the manager’s market risk-adjusted excess return per unit of residual risk relative to a benchmark. It is computed by dividing alpha by the residual risk over a given time period. Assuming all other factors being equal, managers with lower residual risk achieve higher values in the information ratio. Managers with higher information ratios will add value relative to the benchmark more reliably and consistently.

Managers with higher Information Ratios have demonstrated higher risk-adjusted excess returns per unit of residual risk over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the higher the manager ranks (1 = best, 100 = worst) the better.

### **Option Adjusted Duration**

The modified duration of a security, calculated using a model that accounts for embedded options. The OA duration indicates how cash flows change when interest rates change.

### **Price/Book Value**

The Price to Book Value is a measure of value for a company. It is equal to the market value of all the shares of common stock divided by the book value of the company. The book value is the sum of capital surplus, common stock, and retained earnings.

### **Price/Earnings Ratio**

The Price to Earnings Ratio (P/E) is a measure of value for a company. It is equal to the price of a share of common stock divided by the earnings per share for a twelve-month period.

### **Quality Rating**

Quality Rating is typically assigned by a third-party rating agency, such as Standard & Poor’s, Moody’s or Fitch. Quality ratings measure the relative investment quality of bonds by using symbols which range from the highest investment quality (least investment risk) to the lowest investment quality (greatest investment risk).

# Glossary

## **Relative Standard Deviation**

Relative Standard Deviation is a simple measure of a manager's risk (volatility) relative to a benchmark. It is calculated by dividing the manager's standard deviation of returns by the benchmark's standard deviation of returns. A relative standard deviation of 1.20, for example, means the manager has exhibited 20% more risk than the benchmark over that time period. A ratio of .80 would imply 20% less risk. This ratio is especially useful when analyzing the risk of investment grade fixed-income products where actual historical durations are not available. By using this relative risk measure over rolling time periods one can illustrate the "implied" historical duration patterns of the portfolio versus the benchmark.

Managers with lower Relative Standard Deviations have demonstrated lower volatility relative to their benchmark over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the lower the manager ranks (1 = worst, 100 = best) the better.

## **Residual Portfolio Risk**

Residual Portfolio Risk is the unsystematic risk of a fund, the portion of the total risk unique to the fund (manager) itself and not related to the overall market. This reflects the "bets" which the manager places in that particular asset market. These bets may reflect emphasis in particular sectors, maturities (for bonds), or other issue specific factors which the manager considers a good investment opportunity. Diversification of the portfolio will reduce or eliminate the residual risk of that portfolio.

## **Sharpe Ratio**

Sharpe Ratio is a commonly used measure of risk-adjusted return. It is calculated by subtracting the "risk-free" return (usually 3 Month Treasury Bill) from the portfolio return and dividing the resulting "excess return" by the portfolio's risk level (standard deviation). The result is a measure of return gained per unit of risk taken.

Managers with higher Sharpe Ratios have demonstrated excess return per unit of risk over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the higher the manager ranks (1 = best, 100 = worst) the better.

## **Standard Deviation**

Standard Deviation is a statistical measure of portfolio risk. It reflects the average deviation of the observations from their sample mean. Standard deviation is used as an estimate of risk since it measures how wide the range of returns typically is. The wider the typical range of returns, the higher the standard deviation of returns, and the higher the portfolio risk. If returns are normally distributed (i.e. has a bell shaped curve distribution) then approximately 2/3 of the returns would occur within plus or minus one standard deviation from the sample mean.

## **Up Market Capture**

Up Market Capture represents the ratio of return generated by a manager versus an index when that index is performing positively.

## **Weighted Average Market Capitalization**

Weighted Average Market Capitalization is the average market value of all outstanding common stock of companies included in a portfolio, weighted in proportion to their percentage of net assets in the fund.

## **Styles**

**Large Cap Core Equity Index:** Large Cap Core Equity Index Style managers hold portfolios with characteristics similar to those of the broader market as represented by the Standard & Poor's 500 Index or the KL Domini Social 400 Index.

## Glossary

**Large Cap Core Equity:** Large Cap Core managers' portfolio holdings and characteristics are similar to that of the broader market as represented by the Standard & Poor's 500 Index, with the objective of adding value over and above the index, typically from sector or issue selection. The core portfolio exhibits similar risk characteristics to the broad market as measured by low residual risk with Beta and R-Squared values close to 1.00.

**Large Cap Value Equity:** Large Cap Value Equity managers invest in predominately large capitalization companies believed to be undervalued or possessing lower than average price to book and price to earnings ratios. The companies are expected to have a near-term earnings rebound and realize their potential for capital appreciation.

**Large Cap Growth Equity:** Large Cap Growth Equity managers invest in predominately large capitalization companies that are expected to have above average prospects for long-term growth in earnings and profitability. Future growth prospects take precedence over valuation levels in the stock selection process.

**Mid Cap Value:** Mid Cap Value Equity managers invest primarily in mid-capitalization companies believed to be currently undervalued in the general market. Valuation issues take precedence over near term earnings prospects in the stock selection process. Market capitalizations are generally between core (large) equity companies and small capitalization companies.

**Mid Cap Growth:** Mid Cap Growth Equity managers invest primarily in mid-capitalization companies that are expected to have above average prospects for long-term growth in earnings and profitability. Future growth prospects take precedence over valuation levels in the stock selection process. Market capitalizations are generally between core (large) equity companies and small capitalization companies.

**Small Cap Broad:** Small Cap Broad Equity managers invest primarily in companies with relatively small capitalization. The companies typically have zero dividends or dividend yields below the broader market. The securities exhibit greater volatility than the broader market as measured by the risk statistics beta and standard deviation. Managers will generally invest in both value and growth stocks.

**International Core Equity:** International Core Equity managers invest in a well-diversified portfolio of mostly large issues in developed countries with liquid markets, resulting in characteristics similar to that of an index such as the Morgan Stanley Capital International (MSCI) EAFE Index.

**Lifestyle:** This style consists of funds whose primary objective is to split its investment assets among stocks, bonds, and other investment vehicles in an attempt to provide consistent return for the investor while diversifying an investor's assets among different types of investment products.

**Treasury Inflation-Protected Securities (TIPS):** TIPS are securities issued by the U.S. Treasury that offer inflation protection to investors. They have a fixed coupon rate but their principal value is adjusted at periodic intervals to reflect changes in the Consumer Price Index (CPI).

**Core Bond:** Core Bond managers construct portfolios to approximate the investment results of the Barclays Capital Government/Credit Bond Index or the Barclays Capital Aggregate Bond Index with a modest amount of variability in duration around the index. The objective is to achieve value added from sector and/or issue selection.

**Unconstrained Fixed Income:** Unconstrained fixed income managers do not construct portfolios based on a given benchmark, thus have the ultimate flexibility to adjust the exposures of the funds (duration/yield curve, quality, country and currency positioning, sector allocations) to reflect their views on the market's opportunities and risks. Additionally, these portfolios will often have the ability to be both long and short, but typically maintain net long positions.

**Stable Value:** Seeks to provide a competitive level of income over time while preserving the principal value. Returns are expected to be above that of a money market fund.

**Standard & Poor's 500 Index:** The S&P 500 Index is a capitalization weighted index comprised of 500 stocks chosen for market size, liquidity, and industry group representation. The S&P 500 Index is constructed to represent a broad range of industry segments in the U.S. economy. The S&P 500 focuses on the large-cap segment of the market with over 80% coverage of US equities. Criteria for inclusion include financial stability (minimize turnover in the index), screening of common shares to eliminate closely held companies, and trading activity indicative of ample liquidity and efficient share pricing. Companies in merger, acquisition, leveraged-buy-outs, bankruptcy, restructuring, or lack of representation in their representative industry groups are eliminated from the index.

**KL Domini 400 Social Index:** KL Domini 400 Social Index is a market capitalization-weighted common stock index. It monitors the performance of 400 U.S. corporations that pass multiple, broad-based social screens. The Index consists of approximately 250 companies included in the Standard & Poor's 500 Index, approximately 100 additional large companies not included in the S&P 500 but providing industry representation, and approximately 50 additional companies with particularly strong social characteristics.

**Russell 1000 Value Index:** Russell 1000 Value index measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower forecasted growth values.

**Russell 1000 Growth:** Russell 1000 Growth index measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

**Russell Mid Cap Value Index:** Russell Mid Cap Value index measures the performance of the mid-capitalization sector of the US equity market. It invests in those Russell Midcap Index companies with lower price-to-book ratios and lower forecasted growth.

**Russell Mid Cap Growth Index:** Russell Mid Cap Growth index measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The stocks are also members of the Russell 1000 Growth index.

**Russell 2000 Value Index:** Russell 2000 Value index measures the performance of those Russell 2000 companies with lower price-to-book ratios and lower forecasted growth values.

**Russell 2500 Index:** Russell 2500 index measures the performance of the 2,500 smallest companies in the Russell 3000 Index, which represents approximately 17% of the total market capitalization of the Russell 3000 Index.

**Russell 2000 Index:** Russell 2000 index measures the performance of the 2,000 smallest companies in the Russell 3000 Index, which represents approximately 8% of the total market capitalization of the Russell 3000 Index.

**Morgan Stanley Capital International (MSCI) EAFE Index:** Morgan Stanley Capital International (MSCI) EAFE index is composed of approximately 1000 equity securities representing the stock exchanges of Europe, Australia, New Zealand, and the Far East. The index is capitalization-weighted and is expressed in terms of U.S. dollars.

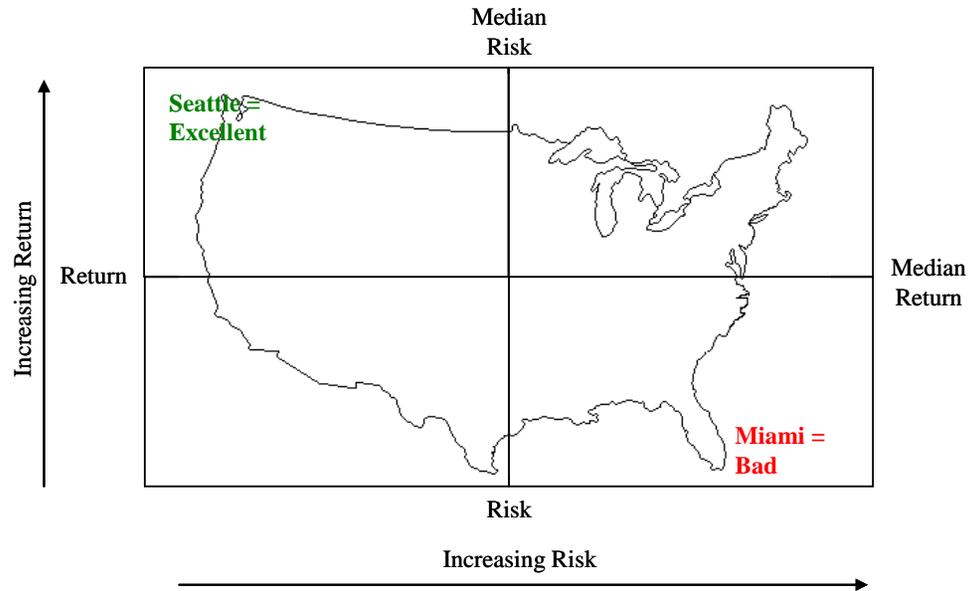
**Morgan Stanley Capital International (MSCI) ACWI Index:** Morgan Stanley Capital International (MSCI) ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets and is expressed in terms of U.S. dollars.

**Barclays Capital U.S. TIPS Index:** The Barclays Capital U.S. TIPS Index represents securities that protect against adverse inflation and provide a minimum level of real return. To be included in the index, bonds must have cash flows linked to an inflation index, be sovereign issues denominated in U.S. currency, and have more than one year to maturity.

**Barclays Capital Aggregate Bond Index:** The Barclays Capital Aggregate Bond index includes fixed rate debt issues rated investment grade or higher by Moody's Investors Service, Standard and Poor's, or Fitch Investor's Service, in that order. All issues must have at least 1 year left to maturity and have an outstanding par value of at least \$100 million.

**90-Day U.S. Treasury Bills:** 90-Day U.S. Treasury Bills provide a measure of riskless return. The rate of return is the average interest rate available on the beginning of each month for a Treasury Bill maturing in ninety days.

## How to Read a Scatterchart



## How to Read a Floating Bar Chart

