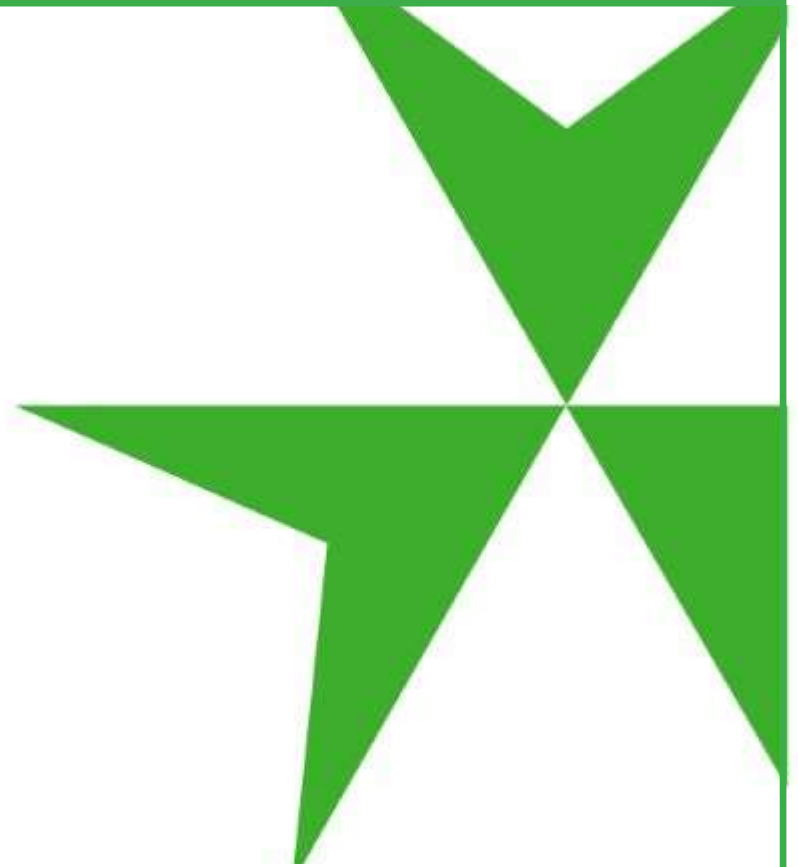




State Optional Retirement Program

Analysis of Investment Performance

Period Ending September 30, 2021

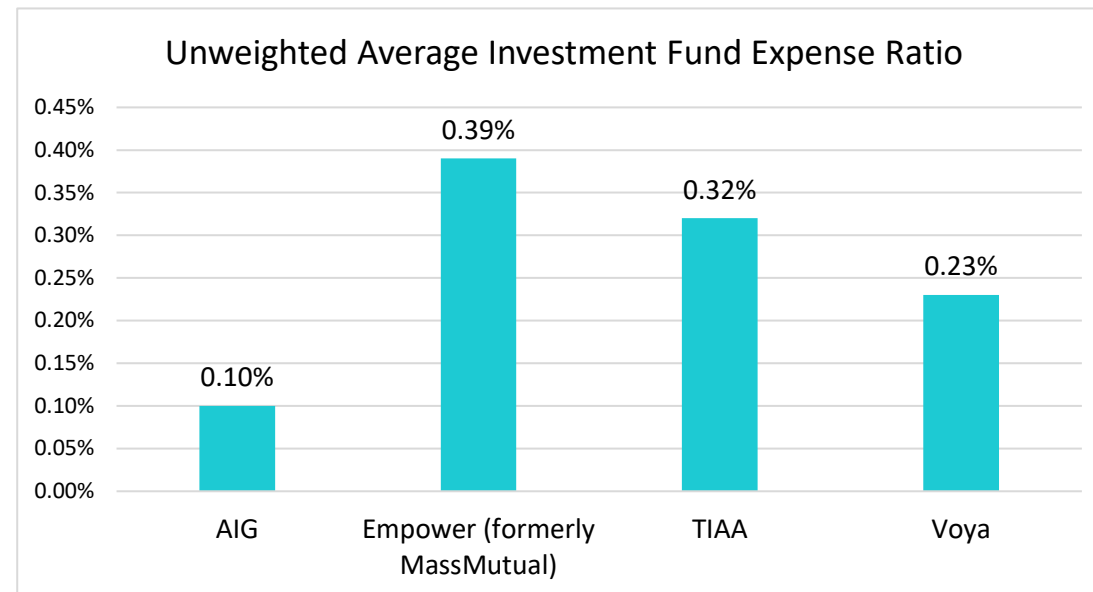
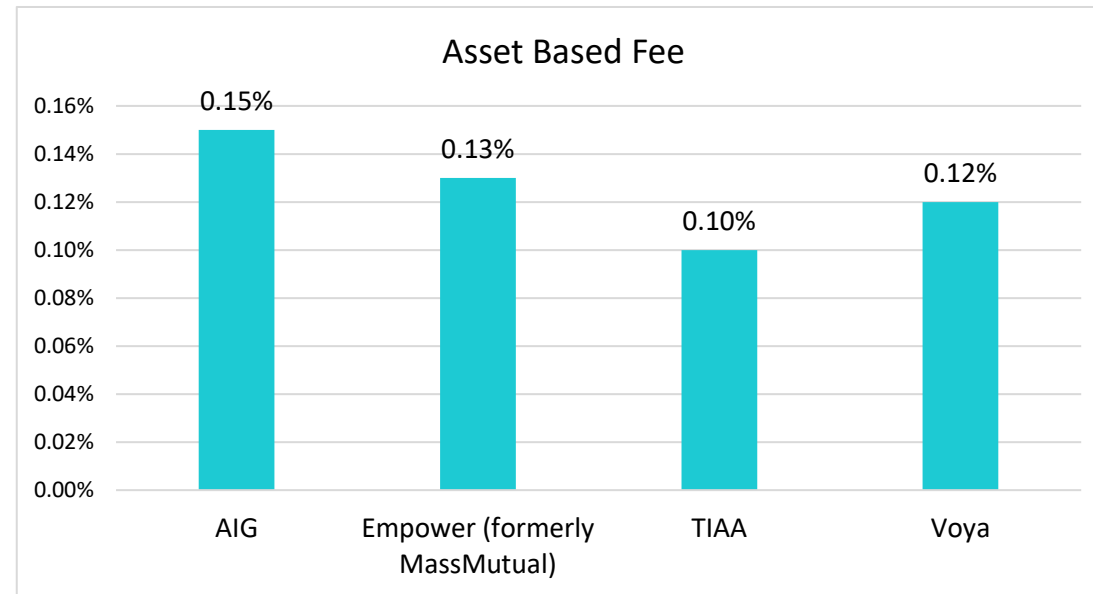
Michael Wright
Primary Consultant

Table of Contents

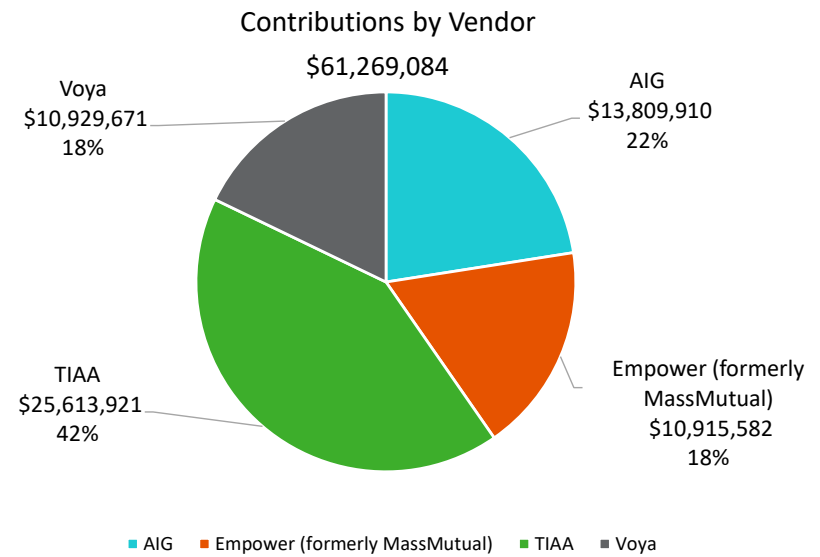
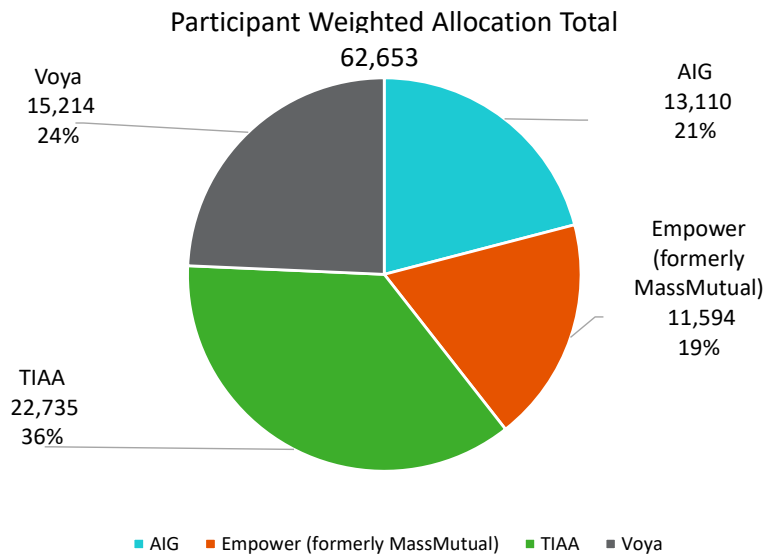
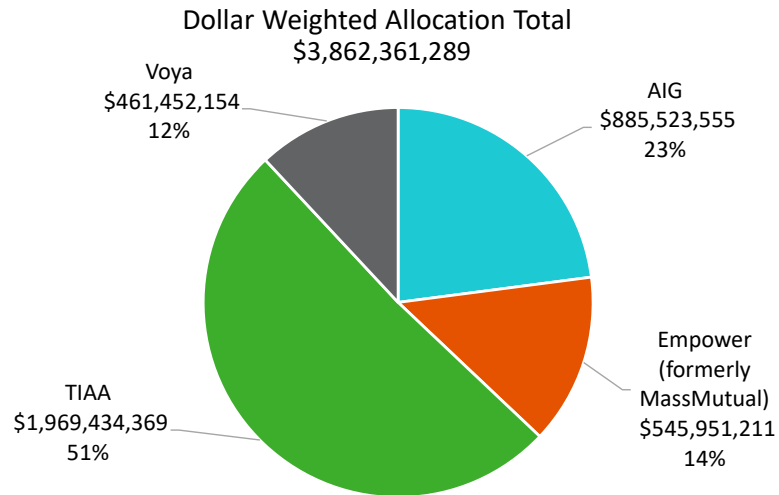
	Section
Plan Overview	1
AIG	5
Empower (formerly MassMutual)	2
TIAA	4
Voya	3
Appendix	6

Plan Overview

State ORP Vendor Fee Comparison September 30, 2021



State ORP Total Plan Allocation September 30, 2021



State ORP Fund Line-Up Comparison

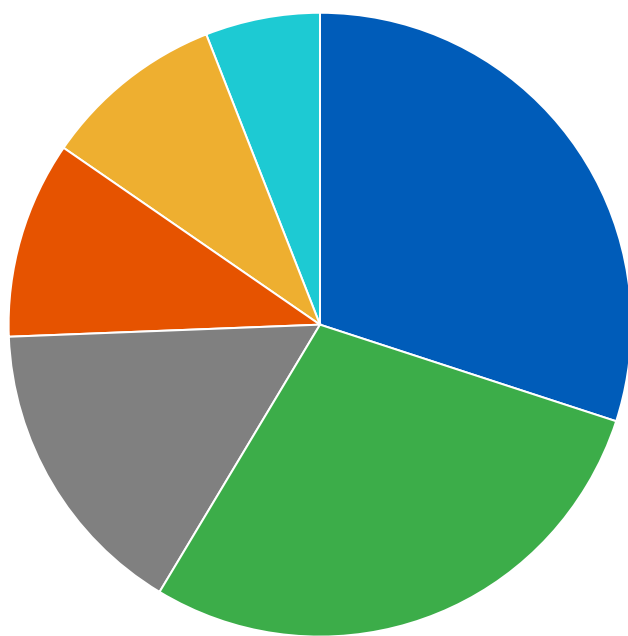
September 30, 2021

Asset Class		AIG	Empower (formerly MassMutual)	TIAA	Voya
Domestic Equity	Large Core	Fidelity 500 Index (FXAIX)	Vanguard Institutional Index (VINIX)	TIAA-CREF Equity Index I (TIEIX)	Fidelity 500 Index (FXAIX)
	Large Value	Vanguard Value Index (VIVIX)	MFS Value R5 (MEIKX)	T. Rowe Price Inst Large Cap Value (TILCX)	Vanguard Equity Income (VEIRX)
	Large Growth	Vanguard US Growth (VWUAX)	MassMutual Select Blue Chip Growth I (MBCZX)	-	Harbor Capital Appreciation (HACAX)
	Mid/SMID	Vanguard Mid Cap Index Inst (VMCIX)	Vanguard Mid Cap Index Inst (VMCIX)	Vanguard Mid Cap Index Inst (VMCIX)	Fidelity Mid Cap Index (FSMDX)
	Small Core	Vanguard Small Cap Index Inst (VSCIX)	Vanguard Small Cap Index Inst (VSCIX)	TIAA-CREF Small Cap Index I (TISBX)	Fidelity Small Cap Index (FSSNX)
	Small Value	-	American Beacon Small Cp Val Inst (AVFIX)	-	Fidelity Advisor SCV (FIKNX)
	Small Growth	-	INVESCO Small Cap Growth R6 (GTSFX)	-	Vanguard Explorer (VEXRX)
International Equity	Large Core	Fidelity International Index (FSPSX)	Fidelity Total International Index (FTIHx)	CREF Stock Annuity Vanguard Total Intl Idx (VTIAX)	Vanguard Total Intl Stock (VTAIX)
	Large Value	-	-	-	-
	Large Growth	American Funds EuroPac Growth R6 (RERGX)	Oppenheimer International Growth I (OIGIX)	American Funds EuroPac Growth R6 (RERGX)	-
	Emerging	Fidelity Emerging Markets Index (FPAGX)	JP Morgan Emerging Markets (JEMWX)	American Funds New World R6 (RNWGX)	Harding Loevner Instl EM I (HLMEX)
Fixed Income	Core	Vanguard Total Bond Market Index I (VBTIX)	JP Morgan Core Bond R6 (JCBUX)	TIAA-CREF Bond Index I (TBIIX)	-
	Core Plus	-	-	-	MetWest Total Return Bond (MWT SX)
	Intermediate				Voya Intermediate Bond (IIBZX)
Inflation Hedge	TIPS/Real Assets	DFA Inflation Protected Securities I (DIPSX)	Vanguard Inflation Protected Secs Adm (VAIPX)	CREF Inflation Linked Bond Annuity	DFA Inflation Protected Securities I (DIPSX)
Target Date/Balanced	Multi-Asset Class	State Street Target Retirement Funds	T. Rowe Price Retirement	TIAA-CREF Lifecycle Instl	Voya Index Solutions
Cash & Equivalents	Money Market/Stable Value	Fixed Interest Option	General Fixed Interest Account	TIAA CREF Money Market Instl (TCIXX) TIAA Traditional Annuity	Voya Fixed Account

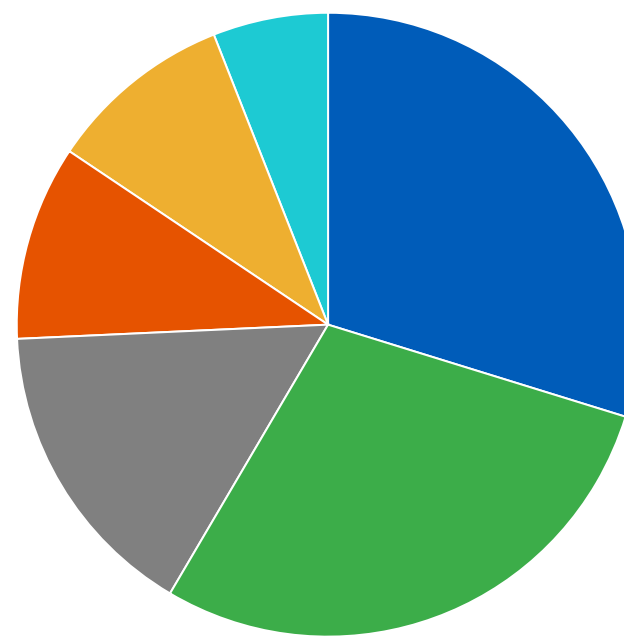
AIG

June 30, 2021 : \$892,806,855

September 30, 2021 : \$885,523,555

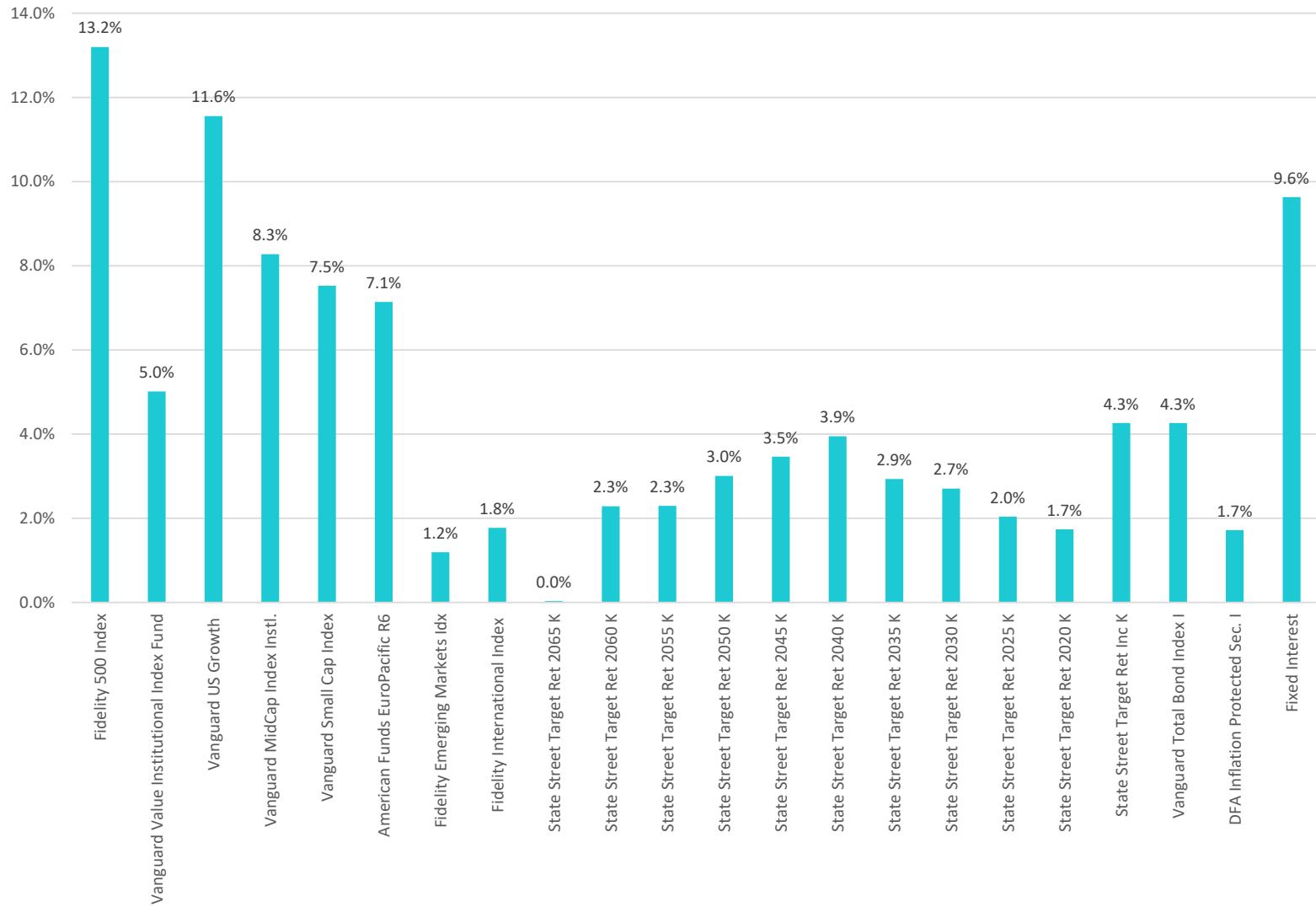


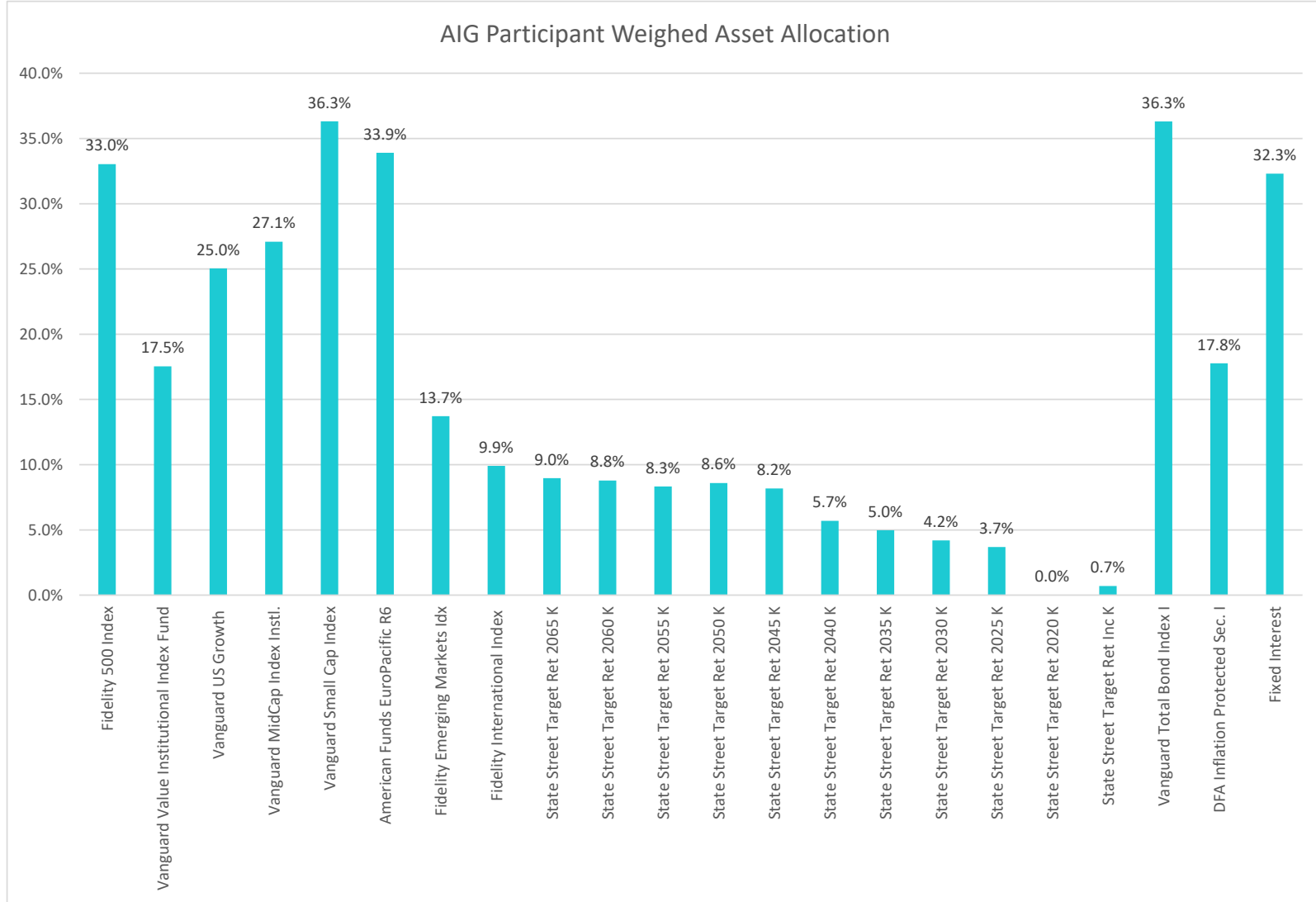
	Market Value (\$)	Allocation (%)
Domestic Equity : Large Cap Funds	267,900,999	30.0
Target-Date Retirement Funds	255,463,433	28.6
Domestic Equity : Non-Large Cap Funds	140,735,740	15.8
International Equity Funds	91,183,613	10.2
Stable Value Fund	84,343,402	9.4
Fixed Income Funds	53,179,667	6.0
Sector Fund		0.0



	Market Value (\$)	Allocation (%)
Domestic Equity : Large Cap Funds	263,595,699	29.8
Target-Date Retirement Funds	254,213,929	28.7
Domestic Equity : Non-Large Cap Funds	139,940,045	15.8
International Equity Funds	89,505,325	10.1
Stable Value Fund	85,287,147	9.6
Fixed Income Funds	52,981,409	6.0
Sector Fund		0.0

AIG Dollar Weighed Asset Allocation





Fund Monitor
September 30, 2021

Fund	Performance				Risk	Comment/Status
	3 Year vs Index	3 Year vs Peers	5 Year vs Index	5 Year vs Peers	Standard Deviation	
Fidelity 500 Index	Pass	N/A	Pass	N/A	Pass	
Vanguard Value Institutional Index Fund	Pass	N/A	Pass	N/A	Pass	
Vanguard US Growth	Pass	Pass	Pass	Pass	Pass	
Vanguard MidCap Index Instl.	Pass	N/A	Pass	N/A	Pass	
Vanguard Small Cap Index	Pass	N/A	Pass	N/A	Pass	
American Funds EuroPacific R6	Pass	Pass	Pass	Pass	Pass	
Fidelity Emerging Markets Idx	Fail	N/A	Fail	N/A	Pass	Informal Review
Fidelity International Index	Fail	N/A	Fail	N/A	Pass	Informal Review
State Street Target Ret 2065 K	N/A	N/A	N/A	N/A	Pass	
State Street Target Ret 2060 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2055 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2050 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2045 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2040 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2035 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2030 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2025 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret 2020 K	Pass	N/A	Pass	N/A	Pass	
State Street Target Ret Inc K	Pass	N/A	Pass	N/A	Pass	
Vanguard Total Bond Index I	Pass	N/A	Pass	N/A	Pass	
DFA Inflation Protected Sec. I	Pass	Pass	Pass	Pass	Pass	
Fixed Interest	Pass	N/A	Pass	N/A	Pass	

Index funds must return within 30 basis points of their respective benchmarks

Actively managed funds must outperform respective benchmarks

Actively managed funds must rank in the top half of their respective peer universes

Total Fund Allocation and Performance

As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund Composite - AIG	885,523,555	100.0							
Domestic Equity : Large Cap Funds	263,595,699	29.8							
Fidelity 500 Index Instl Prem	116,877,928	13.2	0.6 (26)	15.9 (34)	30.0 (40)	16.0 (32)	16.9 (27)	14.0 (16)	16.6 (16)
S&P 500			0.6	15.9	30.0	16.0	16.9	14.0	16.6
IM U.S. Large Cap Core Equity (MF) Median			0.0	15.0	29.0	14.7	15.7	12.6	15.4
Vanguard Value Institutional Index Fund	44,383,368	5.0	-0.9 (59)	15.7 (61)	32.5 (68)	9.9 (46)	12.2 (25)	10.4 (13)	14.1 (15)
Vanguard Spliced Value Index			-0.9	15.7	32.5	9.9	12.2	10.4	14.1
IM U.S. Large Cap Value Equity (MF) Median			-0.7	16.9	35.6	9.7	11.3	9.0	12.9
Vanguard US Growth	102,334,403	11.6	-1.4 (89)	9.9 (88)	26.1 (50)	25.4 (4)	24.5 (9)	19.8 (8)	20.9 (5)
Russell 1000 Growth Index			1.2	14.3	27.3	22.0	22.8	18.5	19.7
IM U.S. Large Cap Growth Equity (MF) Median			0.5	13.0	26.0	20.6	21.2	17.1	18.5
Domestic Equity : Non-Large Cap Funds	139,940,045	15.8							
Vanguard MidCap Index Instl.	73,292,350	8.3	0.0 (25)	15.3 (56)	36.1 (67)	14.8 (9)	14.6 (13)	12.4 (12)	15.6 (6)
Vanguard Spliced Mid Cap Index			0.0	15.3	36.1	14.8	14.6	12.4	15.6
IM U.S. Mid Cap Core Equity (MF) Median			-0.9	15.8	38.2	11.1	11.7	9.8	13.2
Vanguard Small Cap Index	66,647,696	7.5	-2.6 (59)	13.4 (77)	44.1 (81)	12.0 (16)	14.0 (14)	12.0 (18)	15.3 (11)
Vanguard Spliced Small Cap Index			-2.6	13.3	44.0	12.0	14.0	12.0	15.3
IM U.S. Small Cap Core Equity (MF) Median			-2.3	17.3	49.9	9.1	11.8	10.4	13.5
International Equity Funds	89,505,325	10.1							
American Funds EuroPacific R6	63,247,357	7.1	-2.3 (56)	4.0 (67)	24.8 (18)	13.2 (19)	12.2 (21)	9.0 (17)	10.6 (10)
MSCI AC World ex USA (Net)			-3.0	5.9	23.9	8.0	8.9	5.7	7.5
IM International Large Cap Growth Equity (MF) Median			-1.7	5.5	20.6	11.5	10.8	7.5	9.1

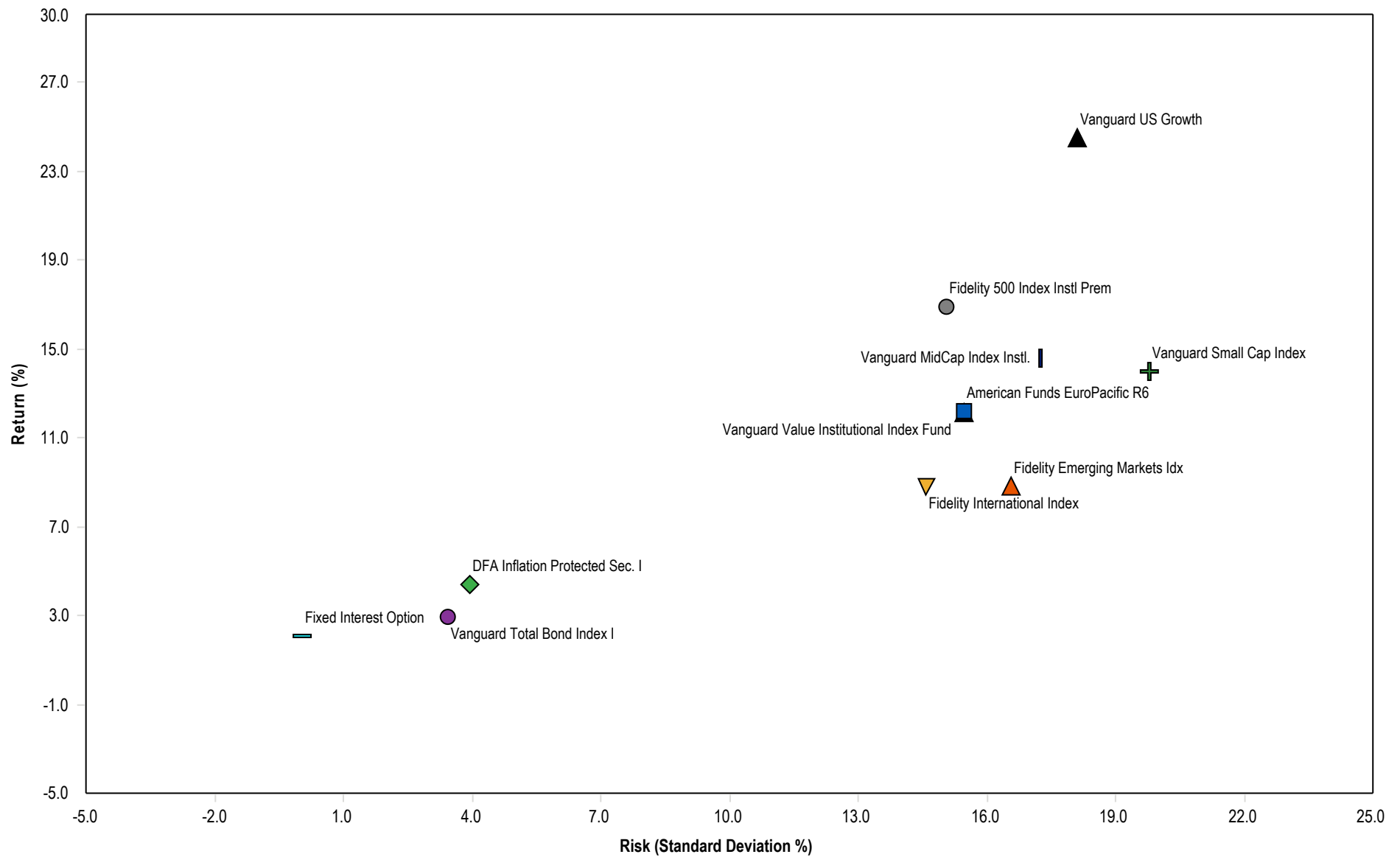
	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Fidelity Emerging Markets Idx	10,552,959	1.2	-8.6 (65)	-1.8 (63)	16.7 (68)	8.2 (65)	8.8 (50)	5.5 (50)	5.9 (57)
MSCI Emerging Markets Index			-8.0	-1.0	18.6	9.0	9.6	6.0	6.5
IM Emerging Markets Equity (MF) Median			-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
Fidelity International Index	15,705,010	1.8	-0.8 (28)	8.0 (41)	25.1 (41)	7.7 (38)	8.8 (33)	5.9 (35)	8.3 (34)
MSCI EAFE Index			-0.4	8.8	26.3	8.1	9.3	6.3	8.6
IM International Multi-Cap Core Equity (MF) Median			-1.4	7.7	24.6	7.2	8.3	5.5	7.9
Target-Date Retirement Funds	254,213,929	28.7							
State Street Target Ret 2065 K	297,620	0.0	-1.5 (83)	8.9 (96)	24.6 (88)				
SSgA Target Retirement 2065 Index			-1.2	9.1	25.5				
IM Mixed-Asset Target 2060+ (MF) Median			-1.2	10.8	27.6	12.1	12.7	10.4	
State Street Target Ret 2060 K	20,233,884	2.3	-1.4 (77)	8.8 (96)	24.9 (83)	13.1 (21)	13.0 (24)	10.3 (32)	
SSgA Target Retirement 2060 Index			-1.2	9.1	25.5	13.0	12.8		
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
State Street Target Ret 2055 K	20,312,428	2.3	-1.5 (83)	8.8 (96)	24.8 (83)	13.0 (21)	13.0 (24)	10.3 (32)	
SSgA Target Retirement 2055 Index			-1.2	9.1	25.5	13.0	12.8	10.2	12.2
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
State Street Target Ret 2050 K	26,628,615	3.0	-1.4 (79)	8.8 (95)	24.9 (83)	13.1 (19)	13.0 (20)	10.3 (27)	
SSgA Target Retirement 2050 Index			-1.2	9.1	25.5	13.0	12.8	10.2	12.2
IM Mixed-Asset Target 2050 (MF) Median			-1.2	10.6	26.8	12.0	12.3	9.8	12.0
State Street Target Ret 2045 K	30,670,155	3.5	-1.3 (69)	8.5 (95)	24.0 (84)	12.8 (23)	12.8 (25)	10.3 (23)	
SSgA Target Retirement 2045 Index			-1.1	8.8	24.5	12.7	12.6	10.0	12.1
IM Mixed-Asset Target 2045 (MF) Median			-1.1	10.4	25.9	11.9	12.1	9.6	11.7
State Street Target Ret 2040 K	34,964,500	3.9	-1.2 (70)	7.9 (89)	22.1 (84)	12.6 (21)	12.4 (25)	10.0 (26)	
SSgA Target Retirement 2040 Index			-1.0	8.2	22.7	12.5	12.2	9.7	11.9
IM Mixed-Asset Target 2040 (MF) Median			-1.0	9.7	24.1	11.4	11.6	9.3	11.4

State ORP

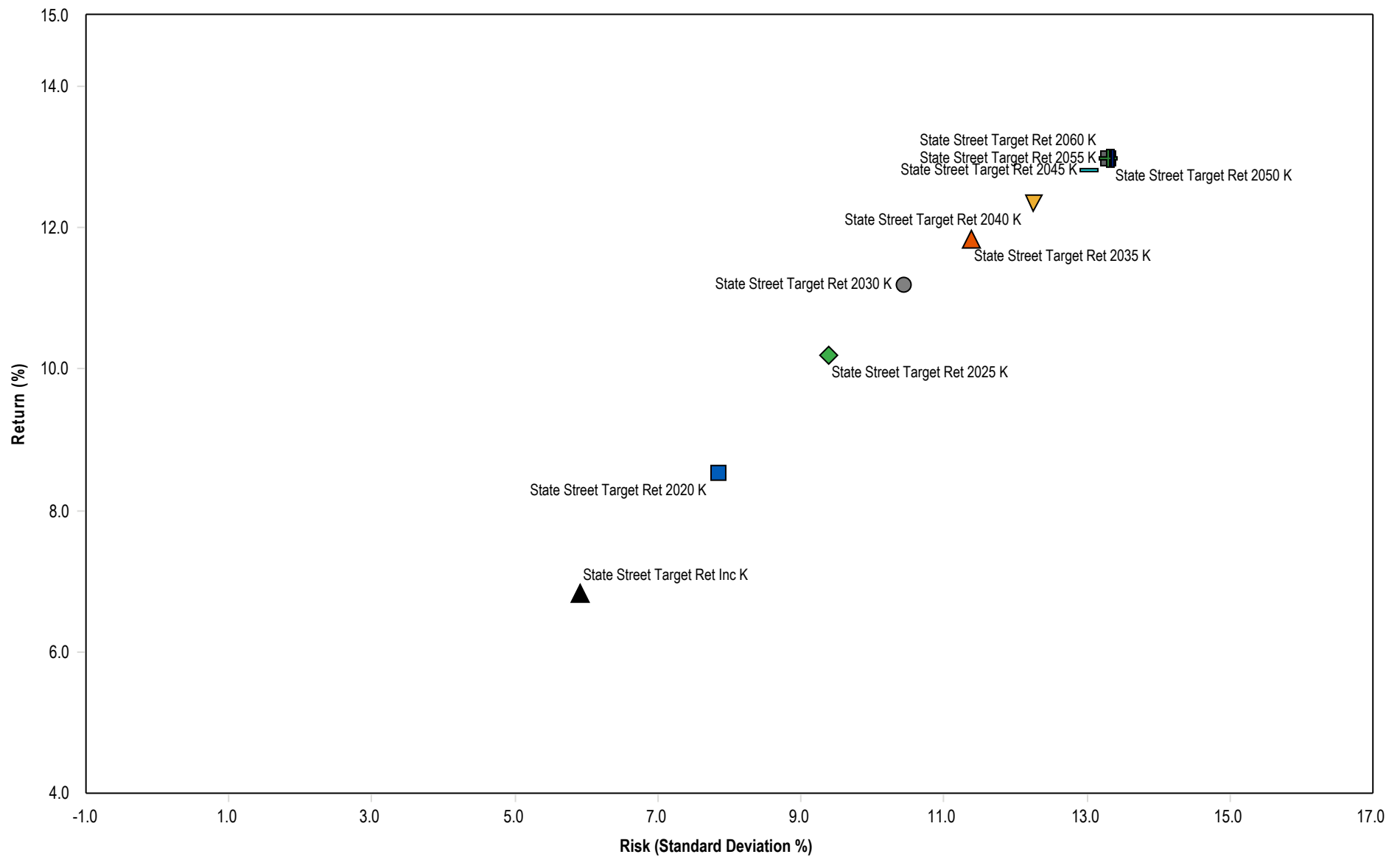
Total Fund Allocation and Performance

As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
State Street Target Ret 2035 K	25,957,264	2.9	-1.1 (79)	7.2 (88)	20.3 (72)	12.2 (18)	11.8 (22)	9.6 (20)	
SSgA Target Retirement 2035 Index			-0.9	7.5	20.8	12.1	11.6	9.4	11.4
IM Mixed-Asset Target 2035 (MF) Median			-0.9	8.6	21.7	10.8	10.9	8.8	10.8
State Street Target Ret 2030 K	23,960,906	2.7	-0.8 (60)	6.8 (68)	18.5 (44)	11.8 (4)	11.2 (9)	9.2 (8)	
SSgA Target Retirement 2030 Index			-0.7	7.0	18.9	11.7	11.0	8.9	10.9
IM Mixed-Asset Target 2030 (MF) Median			-0.7	7.3	18.1	10.0	10.0	8.1	10.1
State Street Target Ret 2025 K	18,063,046	2.0	-0.5 (42)	6.6 (28)	16.9 (27)	10.8 (6)	10.2 (7)	8.4 (3)	
SSgA Target Retirement 2025 Index			-0.3	6.9	17.3	10.7	10.0	8.2	10.1
IM Mixed-Asset Target 2025 (MF) Median			-0.6	6.0	15.2	9.2	8.9	7.3	9.2
State Street Target Ret 2020 K	15,392,029	1.7	-0.2 (18)	6.0 (26)	14.3 (36)	9.3 (28)	8.5 (29)	7.2 (30)	
SSgA Target Retirement 2020 Index			0.2	6.6	14.8	9.1	8.3	6.9	8.8
IM Mixed-Asset Target 2020 (MF) Median			-0.5	5.5	13.6	8.7	8.0	6.6	8.6
State Street Target Ret Inc K	37,733,482	4.3	0.1 (16)	5.0 (24)	11.6 (36)	8.2 (13)	6.8 (22)	5.7 (20)	
SSgA Target Retirement Income Index			0.3	5.5	11.8	8.0	6.5	5.4	6.1
IM Mixed-Asset Target Alloc Consv (MF) Median			-0.3	4.0	10.4	6.7	5.8	4.9	6.0
Fixed Income Funds	52,981,409	6.0							
Vanguard Total Bond Index I	37,761,127	4.3	0.1 (29)	-1.6 (72)	-0.9 (83)	5.4 (58)	2.9 (65)	3.3 (52)	3.0 (68)
Vanguard Splc Blmbg. US Agg Flt Adj (N)			0.1	-1.6	-0.9	5.4	3.0	3.3	3.0
IM U.S. Broad Market Core Fixed Income (MF) Median			0.0	-1.2	0.2	5.6	3.2	3.3	3.3
DFA Inflation Protected Sec. I	15,220,282	1.7	2.0 (6)	3.5 (49)	5.2 (56)	7.8 (9)	4.4 (21)	4.0 (6)	3.2 (8)
Blmbg. U.S. TIPS			1.8	3.5	5.2	7.4	4.3	3.9	3.1
IM U.S. TIPS (MF) Median			1.6	3.5	5.4	6.6	3.8	3.1	2.5
Stable Value Fund	85,287,147	9.6							
Fixed Interest Option	85,287,147	9.6	0.4	1.4	1.8	2.1	2.1	2.1	2.2
FTSE 3 Month T-Bill			0.0	0.0	0.1	1.1	1.1	0.8	0.6



Calculation based on monthly periodicity.



Calculation based on monthly periodicity.

State ORP (AIG)

Fund Line-Up Statistics

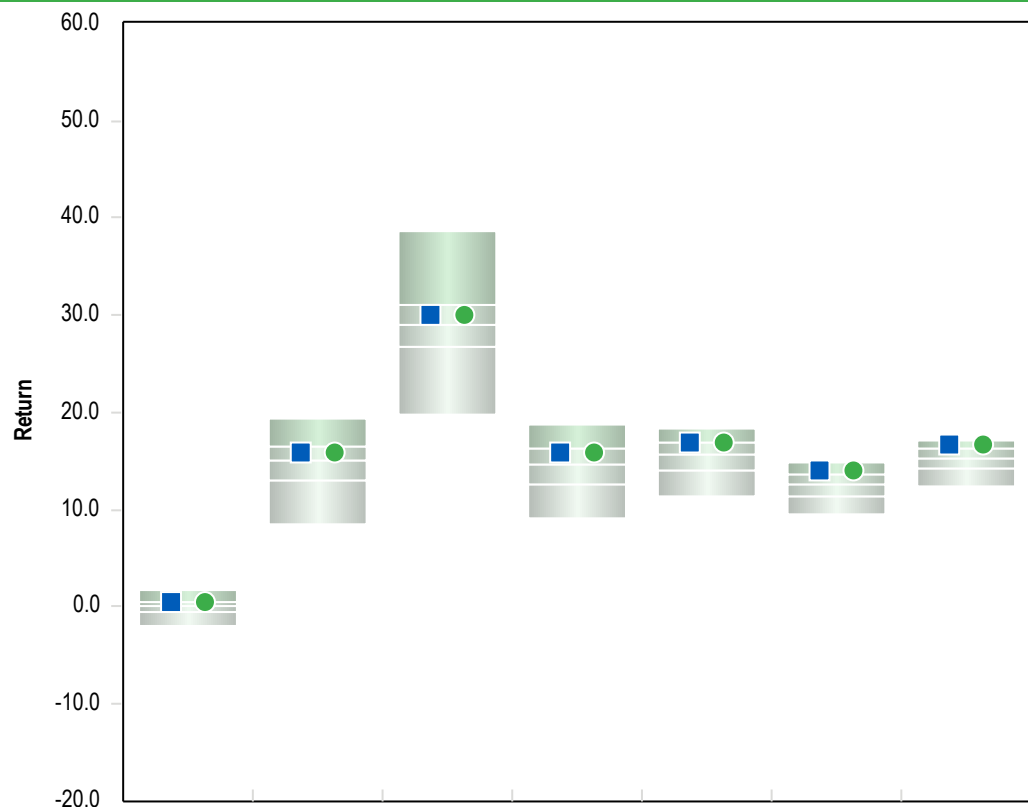
September 30, 2021

Fund	Ticker	Net Expense Ratio (%)	5-Year Standard Deviation (%)	Return (%) 1 Year	Return (%) 3 Years	Return (%) 5 Years
Domestic Equity						
Fidelity 500 Index	FXAIX	0.02	15.1	30.0	16.0	16.9
Vanguard Value Institutional Index Fund	VIVIX	0.04	15.5	32.5	9.9	12.2
Vanguard US Growth	VWUAX	0.28	18.1	26.1	25.4	24.5
Vanguard MidCap Index Instl.	VMCIX	0.04	17.2	36.1	14.8	14.6
Vanguard Small Cap Index	VSCIX	0.04	19.8	44.1	12.0	14.0
International Equity						
American Funds EuroPacific R6	RERGX	0.46	15.5	24.8	13.2	12.2
Fidelity Emerging Markets Idx	FPADX	0.08	16.6	16.7	8.2	8.8
Fidelity International Index	FSPSX	0.04	14.6	25.1	7.7	8.8
Target Date						
State Street Target Ret 2065 K	SSFKX	0.09	NA	24.6		
State Street Target Ret 2060 K	SSDYX	0.09	13.3	24.9	13.1	13.0
State Street Target Ret 2055 K	SSDQX	0.09	13.3	24.8	13.0	13.0
State Street Target Ret 2050 K	SSDLX	0.09	13.4	24.9	13.1	13.0
State Street Target Ret 2045 K	SSDEX	0.09	13.0	24.0	12.8	12.8
State Street Target Ret 2040 K	SSCQX	0.09	12.2	22.1	12.6	12.4
State Street Target Ret 2035 K	SSCKX	0.09	11.4	20.3	12.2	11.8
State Street Target Ret 2030 K	SSBYX	0.09	10.4	18.5	11.8	11.2
State Street Target Ret 2025 K	SSBSX	0.09	9.4	16.9	10.8	10.2
State Street Target Ret 2020 K	SSBOX	0.09	7.8	14.3	9.3	8.5
State Street Target Ret Inc K	SSBOX	0.09	5.9	11.6	8.2	6.8
Fixed Income						
Vanguard Total Bond Index I	VBPIX	0.04	3.4	-0.9	5.4	2.9
DFA Inflation Protected Sec. I	DIPSX	0.11	3.9	5.2	7.8	4.4
MMF/Stable Value						
Fixed Interest Option	N/A	0.00	0.0	1.8	2.1	2.1

Expense Ratio and Standard Deviation: Lower is better

Return: Higher is better

IM U.S. Large Cap Core Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Fidelity 500 Index Instl Prem	0.6 (26)	15.9 (34)	30.0 (40)	16.0 (32)	16.9 (27)	14.0 (16)	16.6 (16)
S&P 500	0.6 (25)	15.9 (34)	30.0 (40)	16.0 (32)	16.9 (27)	14.0 (16)	16.6 (16)

5th Percentile	1.8	19.5	38.7	18.8	18.4	14.8	17.2
1st Quartile	0.6	16.6	31.2	16.4	16.9	13.6	16.3
Median	0.0	15.0	29.0	14.7	15.7	12.6	15.4
3rd Quartile	-0.5	13.0	26.8	12.7	14.0	11.4	14.2
95th Percentile	-1.9	8.5	19.9	9.0	11.4	9.6	12.4

Population	799	778	754	673	583	519	451
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.8	12.8
Minimum Return	-12.3	-12.4
Return	16.0	16.0
Cumulative Return	56.0	56.1
Active Return	0.0	0.0
Excess Return	15.5	15.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

Standard Deviation	18.5	18.6
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-0.8	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

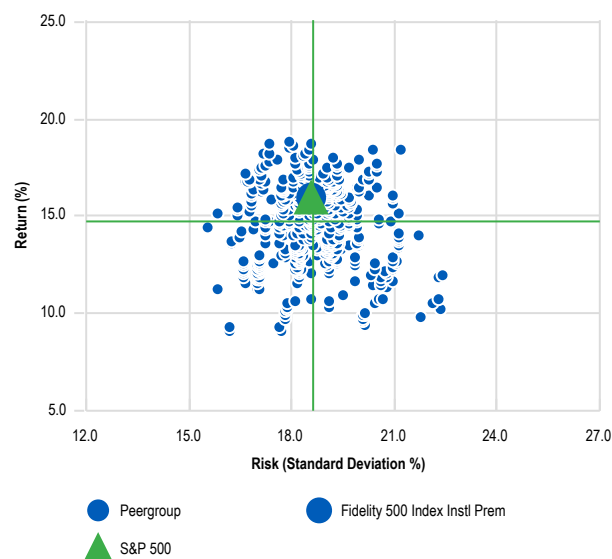
Fund Information

Product Name : Fidelity 500 Index Fund (FXAIX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FXAIX
 Peer Group : IM U.S. Large Cap Core Equity (MF)
 Benchmark : S&P 500
 Fund Inception : 05/04/2011
 Portfolio Manager : Team Managed
 Total Assets : \$333,288 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 7%

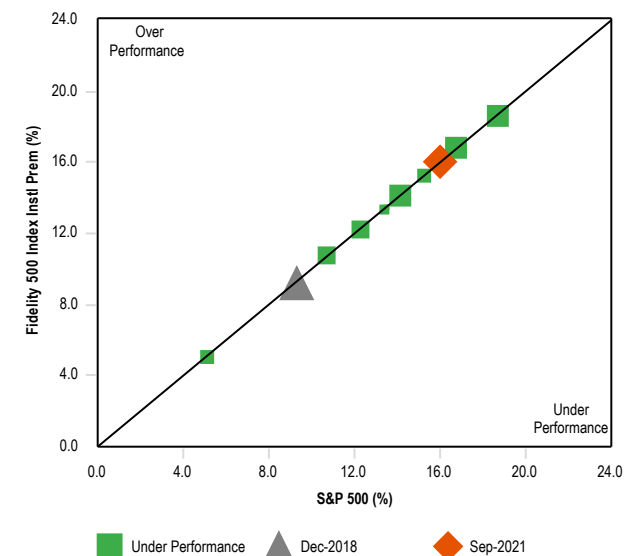
Fund Characteristics As of 04/30/2021

Total Securities 509
 Avg. Market Cap \$496,183 Million
 P/E 35.4
 P/B 10.4
 Div. Yield 1.8%
 Annual EPS 8.8
 5Yr EPS 16.8
 3Yr EPS Growth 15.8

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



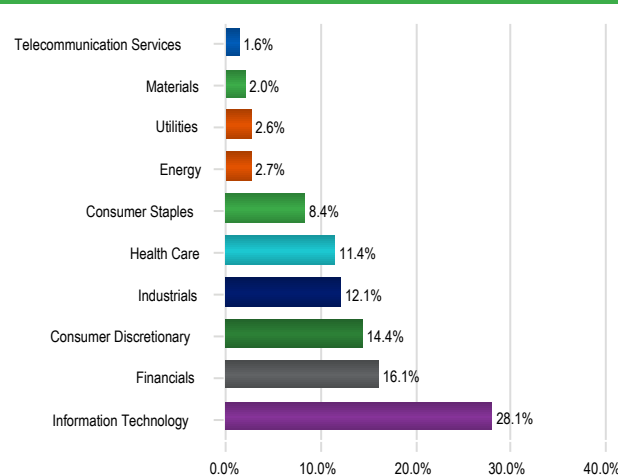
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.1	15.1
Beta	1.0	1.0
Sharpe Ratio	1.0	1.0
Information Ratio	-0.8	-
Tracking Error	0.0	0.0
Consistency	45.0	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

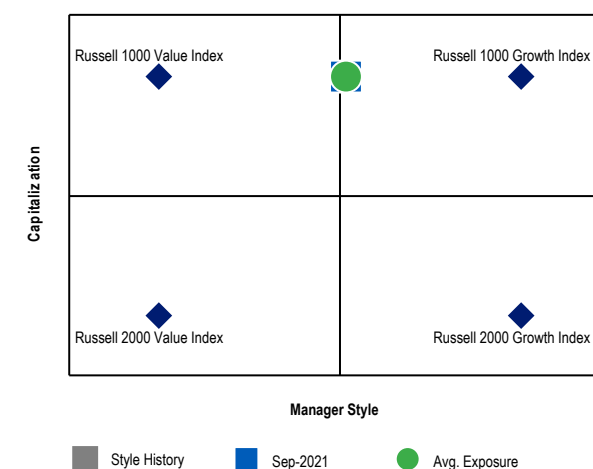
Fund Objective

The Fund seeks a total return which corresponds to that of the S&P 500 Index. The Fund invests at least 80% of its assets in common stocks included in the Index. The Fund may lend securities to earn income and uses statistical sampling techniques in stock selection.

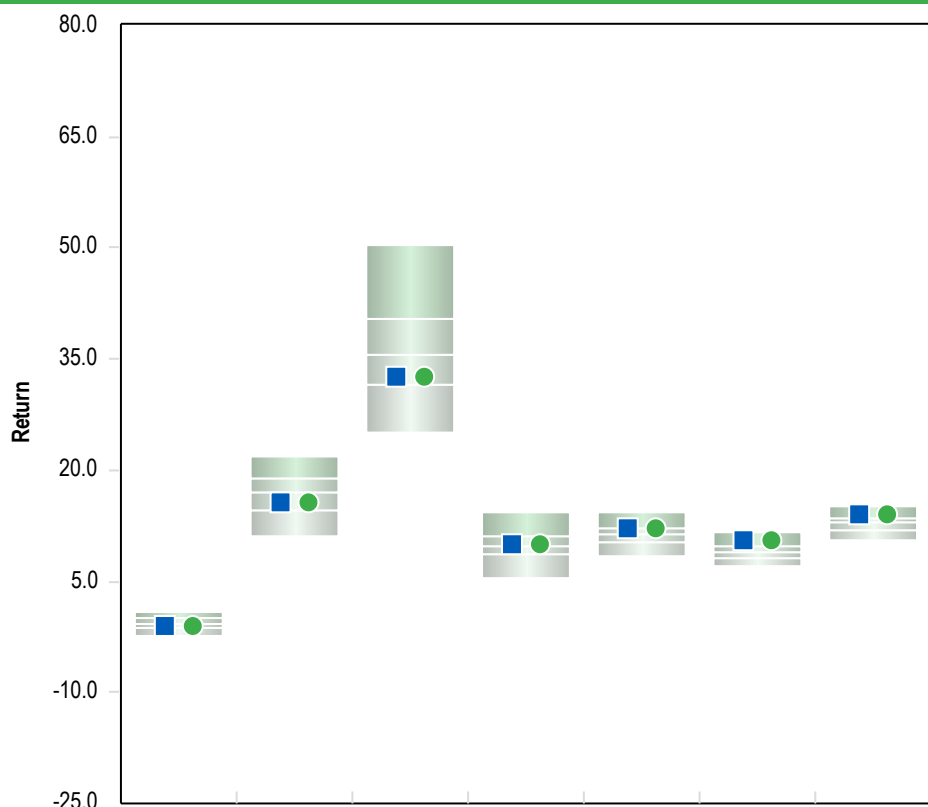
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Large Cap Value Equity (MF)



■ Vanguard Value Institutional Index Fund
● Vanguard Spliced Value Index

5th Percentile	0.8	21.9	50.3	14.2	14.4	11.5	15.0
1st Quartile	0.0	18.9	40.5	11.0	12.1	9.7	13.6
Median	-0.7	16.9	35.6	9.7	11.3	9.0	12.9
3rd Quartile	-1.4	14.7	31.5	8.6	10.2	8.2	12.0
95th Percentile	-2.4	11.1	25.1	5.4	8.3	7.0	10.6
Population	484	473	470	441	403	355	310

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.9	12.9
Minimum Return	-14.7	-14.7
Return	9.9	9.9
Cumulative Return	32.7	32.7
Active Return	0.0	0.0
Excess Return	10.1	10.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

Standard Deviation	18.9	18.9
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	0.0	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

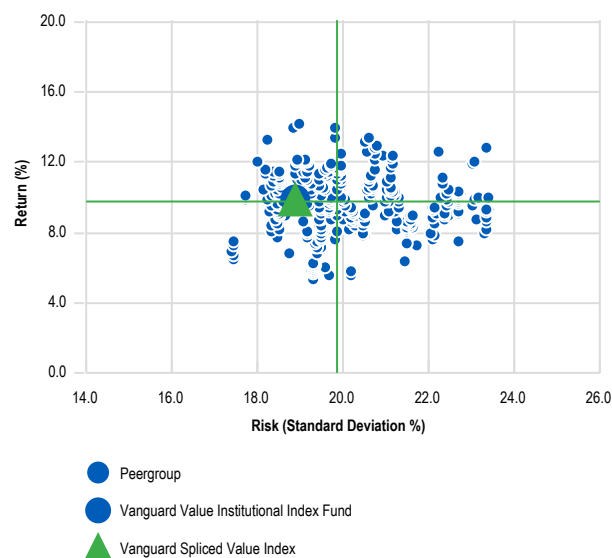
Fund Information

Product Name : Vanguard Val Idx;Inst (VIVIX)
 Fund Family : Vanguard Group Inc
 Ticker : VIVIX
 Peer Group : IM U.S. Large Cap Value Equity (MF)
 Benchmark : Vanguard Spliced Value Index
 Fund Inception : 07/02/1998
 Portfolio Manager : O'Reilly/Nejman
 Total Assets : \$14,067 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 10%

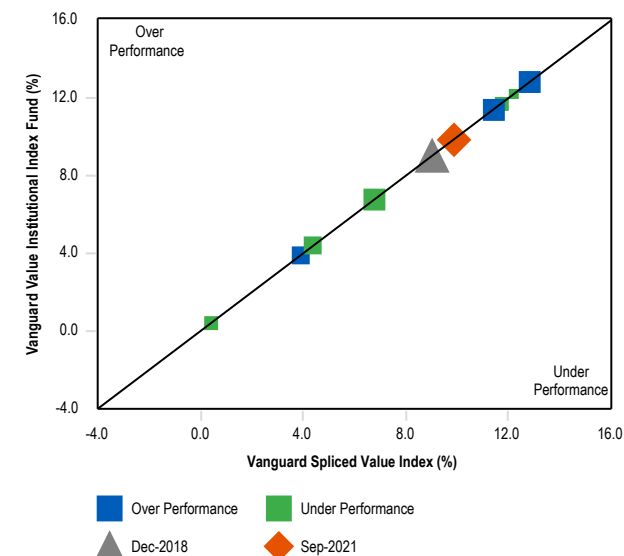
Fund Characteristics As of 04/30/2021

Total Securities 339
 Avg. Market Cap \$146,749 Million
 P/E 26.2
 P/B 5.5
 Div. Yield 2.5%
 Annual EPS -6.7
 5Yr EPS 5.6
 3Yr EPS Growth 4.3

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



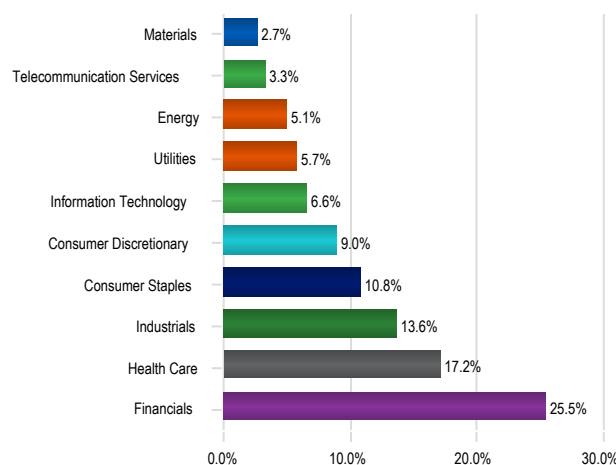
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.5	15.5
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	0.0	-
Tracking Error	0.0	0.0
Consistency	53.3	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

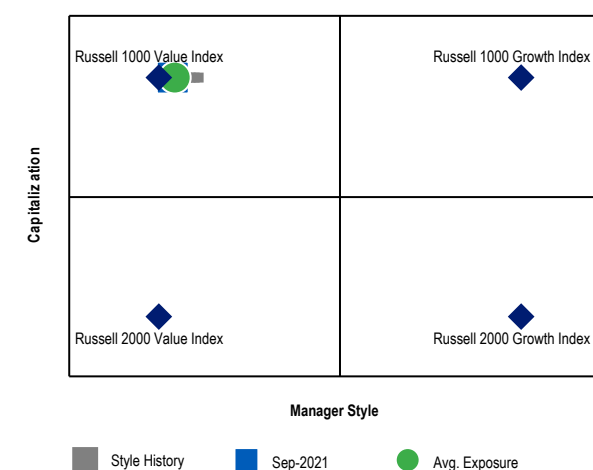
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of large-capitalization value stocks. The Fund employs an indexing investment approach designed to track the performance of the CRSP US Large Cap Value Index by investing all of its assets in the stocks that make up the Index.

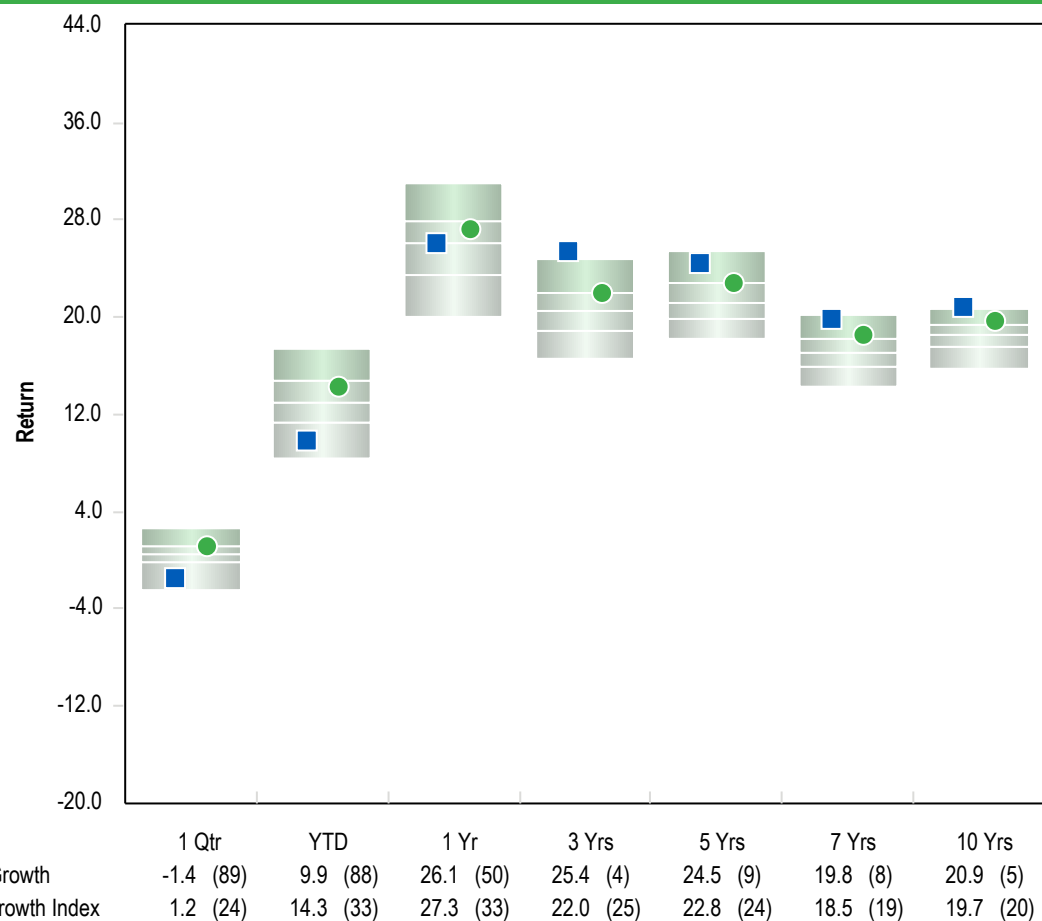
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Large Cap Growth Equity (MF)



Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	17.1	14.8
Minimum Return	-10.6	-9.8
Return	25.4	22.0
Cumulative Return	97.2	81.6
Active Return	3.3	0.0
Excess Return	24.1	20.8

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	108.1	100.0
Down Market Capture	100.3	100.0

Risk / Return Summary Statistics

Standard Deviation	22.3	19.9
Alpha	1.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	5.0	0.0
Information Ratio	0.6	-
Sharpe Ratio	1.1	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

5th Percentile	2.6	17.4	31.0	24.8	25.4	20.2	20.7
1st Quartile	1.1	14.8	27.9	22.0	22.8	18.2	19.4
Median	0.5	13.0	26.0	20.6	21.2	17.1	18.5
3rd Quartile	-0.2	11.4	23.5	18.8	19.8	16.0	17.6
95th Percentile	-2.4	8.4	20.0	16.7	18.3	14.4	15.8
Population	660	653	650	592	535	483	418

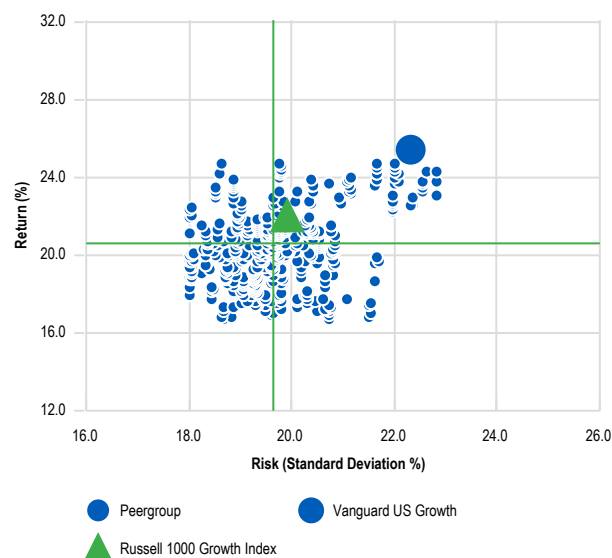
Fund Information

Product Name : Vanguard US Growth,Adm (VWUAX)
 Fund Family : Vanguard Group Inc
 Ticker : VWUAX
 Peer Group : IM U.S. Large Cap Growth Equity (MF)
 Benchmark : Russell 1000 Growth Index
 Fund Inception : 08/13/2001
 Portfolio Manager : Team Managed
 Total Assets : \$37,805 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 38%

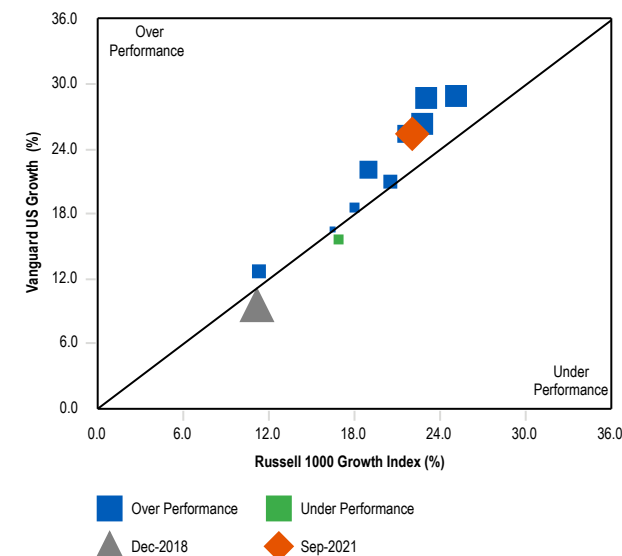
Fund Characteristics As of 03/31/2021

Total Securities 277
 Avg. Market Cap \$460,909 Million
 P/E 48.3
 P/B 15.9
 Div. Yield 1.0%
 Annual EPS 29.7
 5Yr EPS 33.6
 3Yr EPS Growth 29.6

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



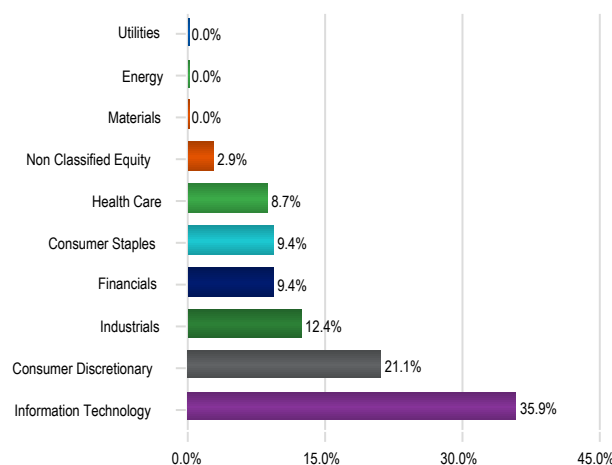
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	18.1	16.3
Beta	1.1	1.0
Sharpe Ratio	1.2	1.3
Information Ratio	0.4	-
Tracking Error	4.3	0.0
Consistency	56.7	0.0
Up Market Capture	103.8	100.0
Down Market Capture	97.6	100.0
R-Squared	0.9	1.0

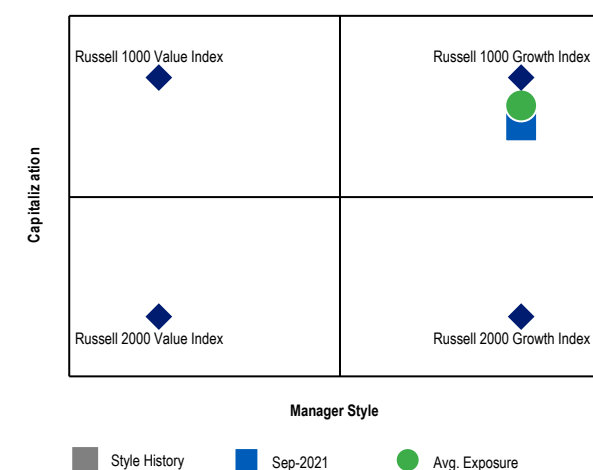
Fund Objective

The Fund seeks long-term capital appreciation by investing in equity securities of corporations based in the United States. The fund invests mainly in large-capitalization stocks of seasoned U.S. companies with above-average earnings growth and reasonable stock prices.

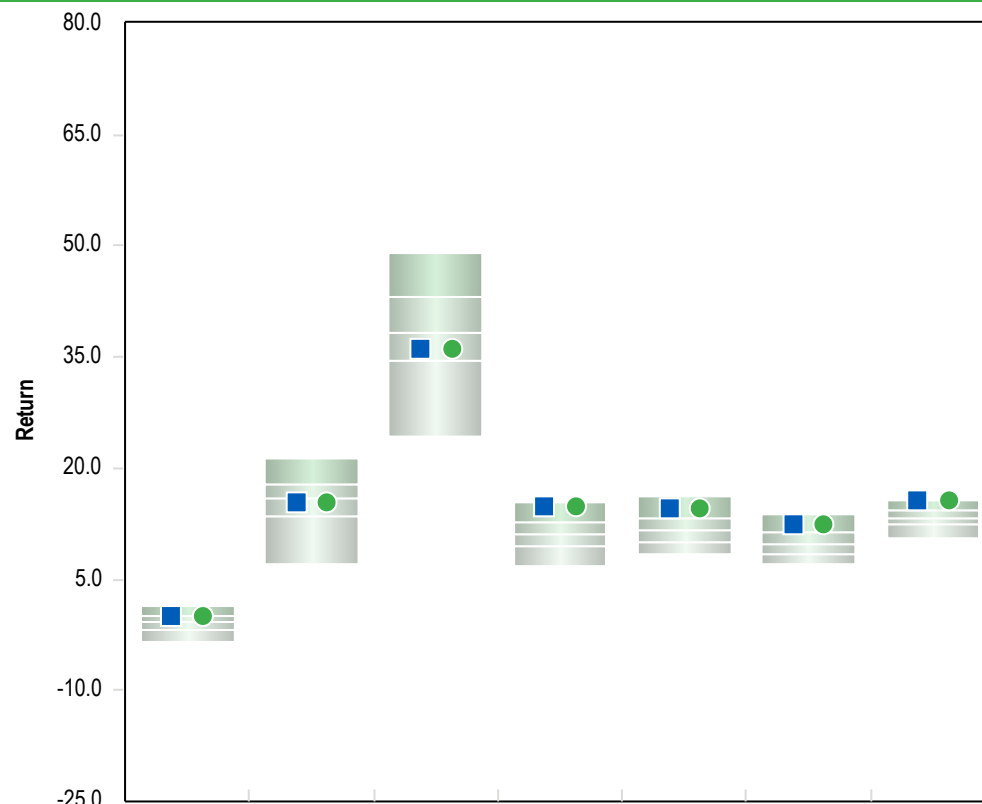
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Mid Cap Core Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Vanguard MidCap Index Instl.	0.0 (25)	15.3 (56)	36.1 (67)	14.8 (9)	14.6 (13)	12.4 (12)	15.6 (6)
● Vanguard Spliced Mid Cap Index	0.0 (26)	15.3 (57)	36.1 (67)	14.8 (9)	14.6 (12)	12.4 (11)	15.6 (5)

5th Percentile	1.4	21.4	49.0	15.4	16.1	13.7	15.6
1st Quartile	0.0	17.8	43.1	12.7	13.4	11.4	14.4
Median	-0.9	15.8	38.2	11.1	11.7	9.8	13.2
3rd Quartile	-1.8	13.6	34.5	9.4	10.1	8.5	12.5
95th Percentile	-3.5	7.1	24.3	6.8	8.5	7.0	10.4

Population	318	308	307	292	259	203	167
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	14.4	14.4
Minimum Return	-18.4	-18.4
Return	14.8	14.8
Cumulative Return	51.1	51.1
Active Return	0.0	0.0
Excess Return	15.0	15.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.9	100.0
Down Market Capture	99.9	100.0

Risk / Return Summary Statistics

Standard Deviation	21.5	21.5
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-0.2	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

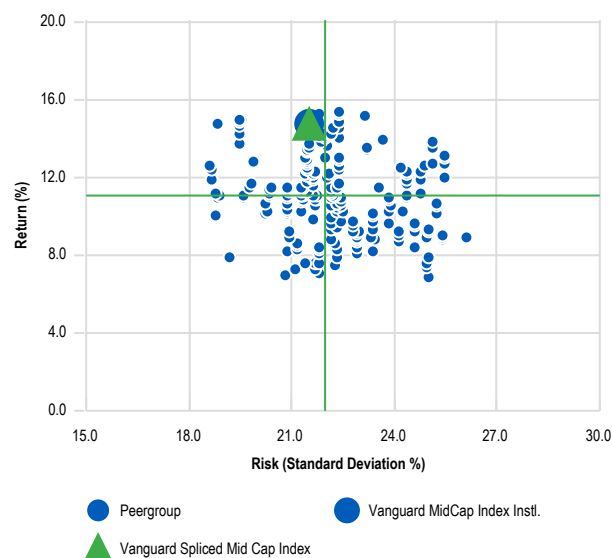
Fund Information

Product Name : Vanguard Md-Cp I;Inst (VMCIX)
 Fund Family : Vanguard Group Inc
 Ticker : VMCIX
 Peer Group : IM U.S. Mid Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Mid Cap Index
 Fund Inception : 05/20/1998
 Portfolio Manager : Butler/Johnson
 Total Assets : \$24,717 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 26%

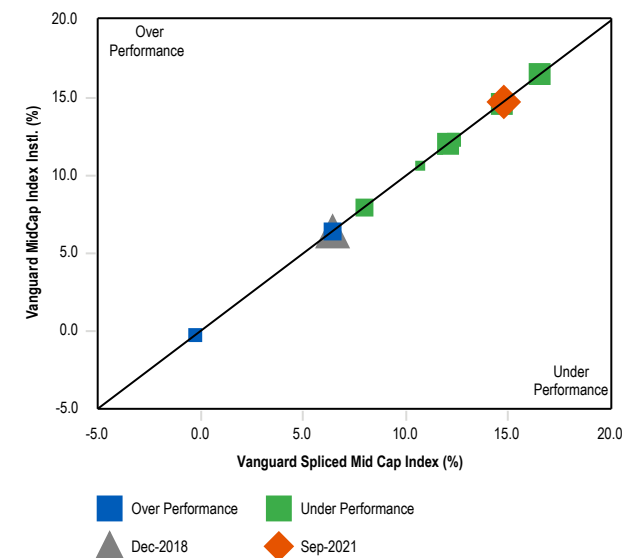
Fund Characteristics As of 04/30/2021

Total Securities 367
 Avg. Market Cap \$26,322 Million
 P/E 36.6
 P/B 7.9
 Div. Yield 1.9%
 Annual EPS 1.1
 5Yr EPS 12.4
 3Yr EPS Growth 13.2

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



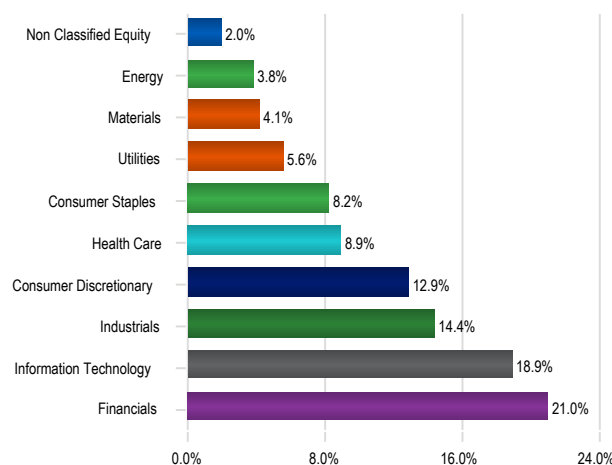
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	17.2	17.2
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	-0.2	-
Tracking Error	0.0	0.0
Consistency	43.3	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

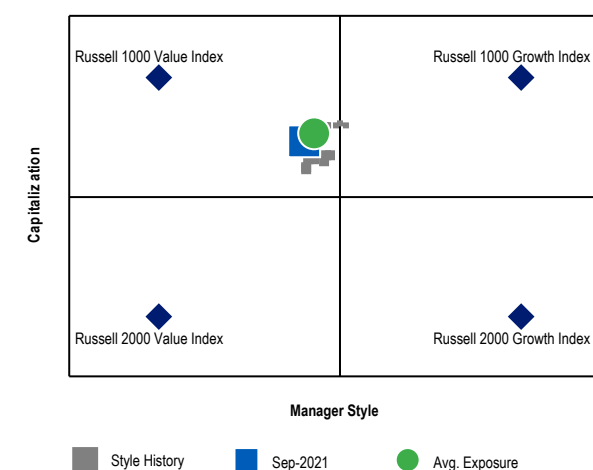
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of mid-capitalization stocks.

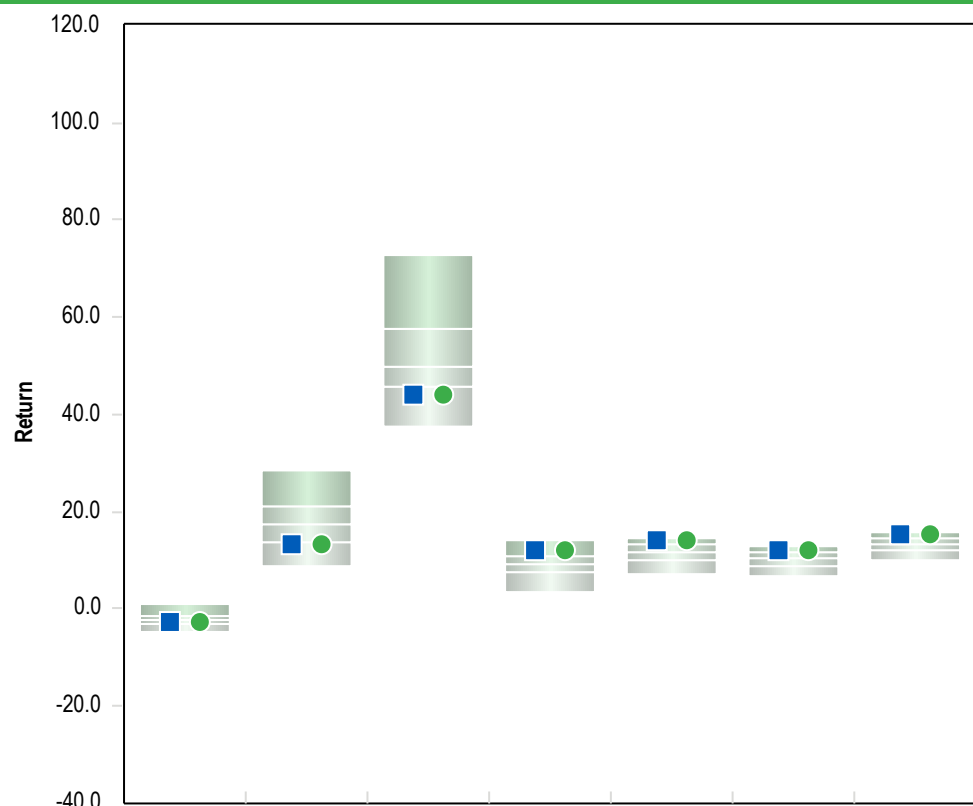
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Small Cap Core Equity (MF)



■ Vanguard Small Cap Index
 ● Vanguard Spliced Small Cap Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Vanguard Small Cap Index	-2.6 (59)	13.4 (77)	44.1 (81)	12.0 (16)	14.0 (14)	12.0 (18)	15.3 (11)
Vanguard Spliced Small Cap Index	-2.6 (59)	13.3 (77)	44.0 (81)	12.0 (16)	14.0 (15)	12.0 (19)	15.3 (11)

5th Percentile	0.8	28.6	73.0	14.1	14.6	12.7	15.9
1st Quartile	-1.2	21.2	57.6	10.7	13.4	11.7	14.6
Median	-2.3	17.3	49.9	9.1	11.8	10.4	13.5
3rd Quartile	-3.3	13.7	45.9	7.5	10.1	9.0	12.3
95th Percentile	-4.8	8.9	37.6	3.5	7.2	6.9	10.1

Population	752	741	736	700	621	518	428
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	16.0	16.0
Minimum Return	-21.9	-21.9
Return	12.0	12.0
Cumulative Return	40.5	40.4
Active Return	0.0	0.0
Excess Return	13.3	13.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.1	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

Standard Deviation	24.3	24.3
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	1.0	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

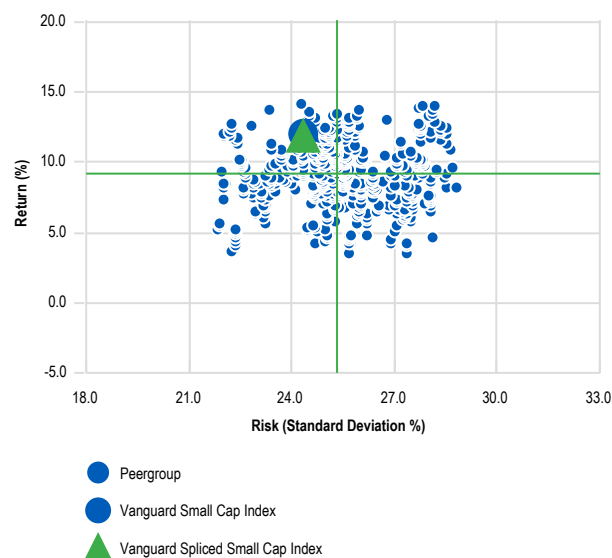
Fund Information

Product Name : Vanguard S-C Id:Inst (VSCIX)
 Fund Family : Vanguard Group Inc
 Ticker : VSCIX
 Peer Group : IM U.S. Small Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Small Cap Index
 Fund Inception : 07/07/1997
 Portfolio Manager : Coleman/O'Reilly
 Total Assets : \$22,260 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 22%

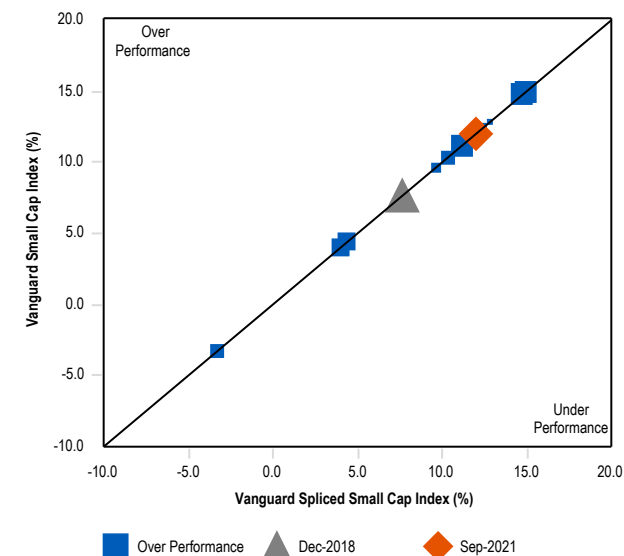
Fund Characteristics As of 04/30/2021

Total Securities 1,470
 Avg. Market Cap \$7,379 Million
 P/E 35.0
 P/B 6.4
 Div. Yield 1.9%
 Annual EPS -0.7
 5Yr EPS 9.8
 3Yr EPS Growth 10.7

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



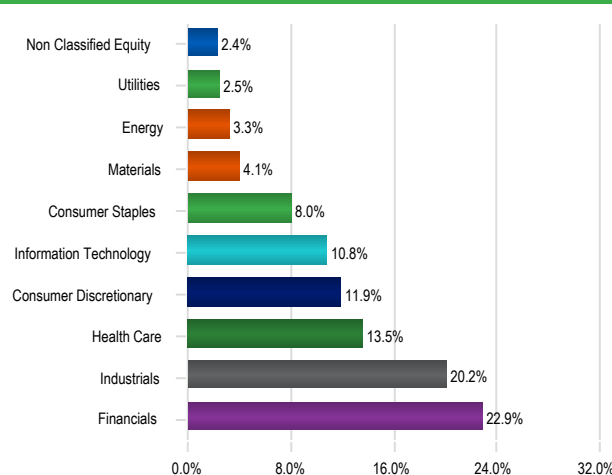
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	19.8	19.8
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	1.1	-
Tracking Error	0.0	0.0
Consistency	63.3	0.0
Up Market Capture	100.1	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

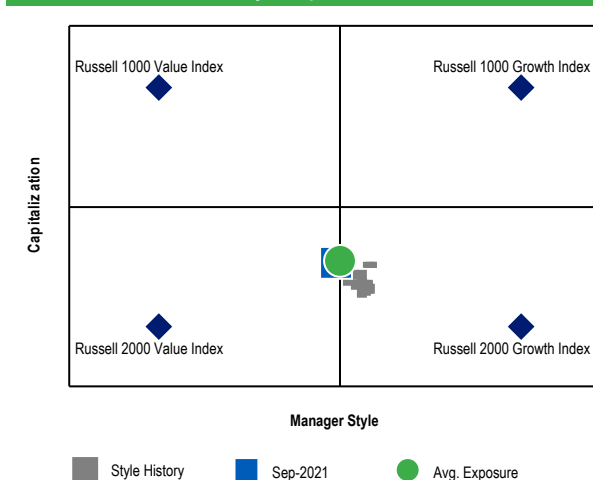
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of small-capitalization stocks.

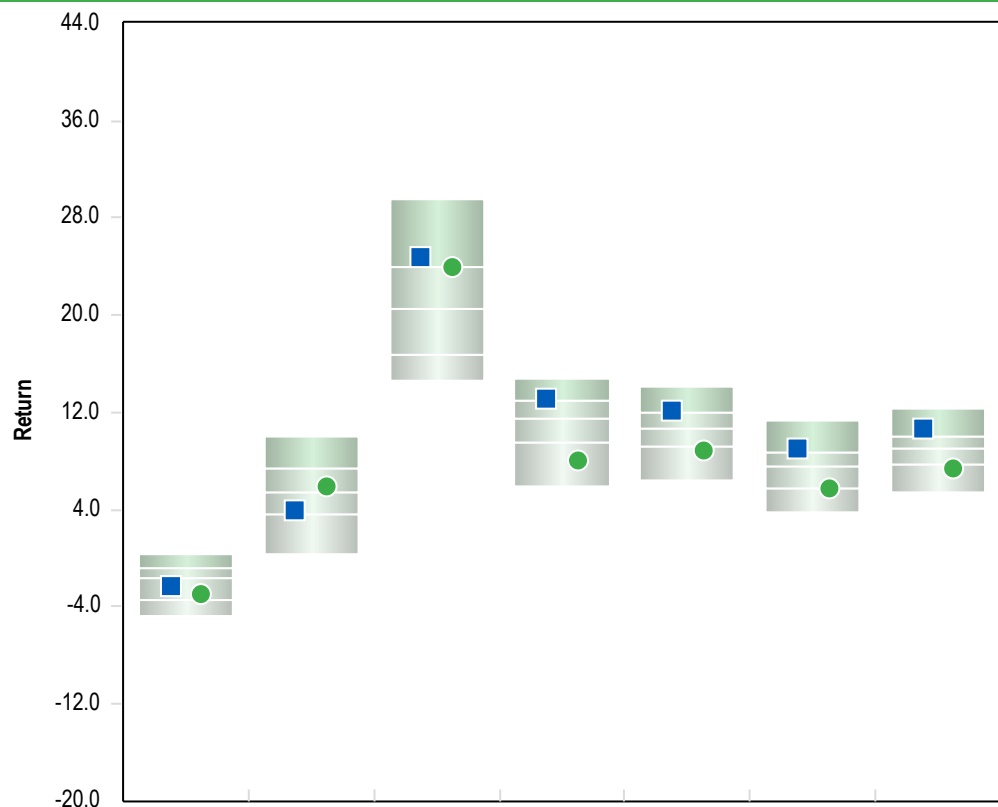
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM International Large Cap Growth Equity (MF)



■ American Funds EuroPacific R6
● MSCI AC World ex USA (Net)

5th Percentile	0.3	10.1	29.6	14.9	14.1	11.3	12.3
1st Quartile	-0.7	7.4	24.0	13.0	12.0	8.6	10.0
Median	-1.7	5.5	20.6	11.5	10.8	7.5	9.1
3rd Quartile	-3.4	3.6	16.7	9.6	9.2	5.7	7.7
95th Percentile	-4.7	0.3	14.7	5.9	6.5	3.8	5.5
Population	229	219	215	189	153	134	116

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.4	13.5
Minimum Return	-14.7	-14.5
Return	13.2	8.0
Cumulative Return	45.1	26.1
Active Return	4.9	0.0
Excess Return	13.1	8.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	114.4	100.0
Down Market Capture	95.7	100.0

Risk / Return Summary Statistics

Standard Deviation	18.6	17.5
Alpha	4.6	0.0
Active Return/Risk	0.3	0.0
Tracking Error	3.6	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.7	0.5

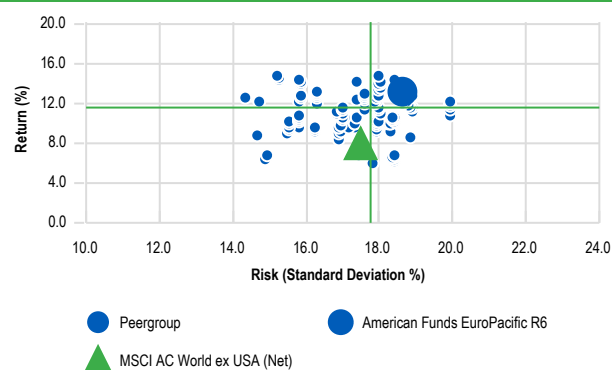
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

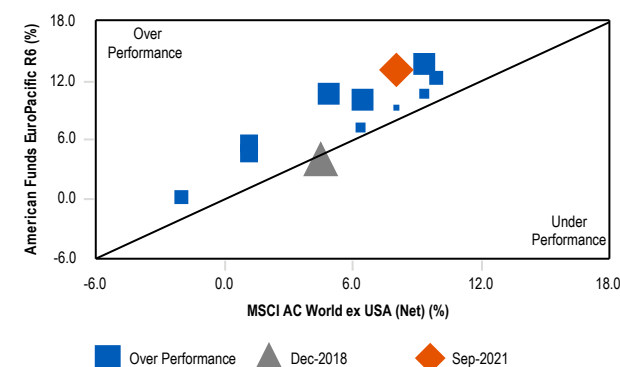
Fund Information

Product Name : American Funds EuPc;R6 (RERGX)
 Fund Family : American Funds
 Ticker : RERGX
 Peer Group : IM International Large Cap Growth Equity (MF)
 Benchmark : MSCI AC World ex USA (Net)
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$92,069 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 32%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



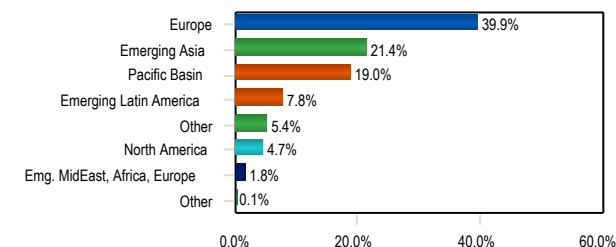
Fund Characteristics As of 03/31/2021

Total Securities : 355
 Avg. Market Cap : \$111,844 Million
 P/E : 40.6
 P/B : 7.5
 Div. Yield : 1.5%
 Annual EPS : 13.4
 5Yr EPS : 15.9
 3Yr EPS Growth : 13.1

Top 5 Countries As of 03/31/2021

Japan : 11.4 %
 China : 9.3 %
 Netherlands : 8.4 %
 India : 7.8 %
 France : 7.1 %

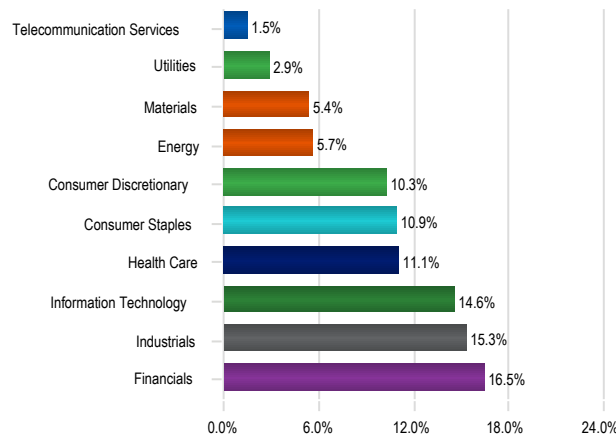
Regional Allocation As of 03/31/2021



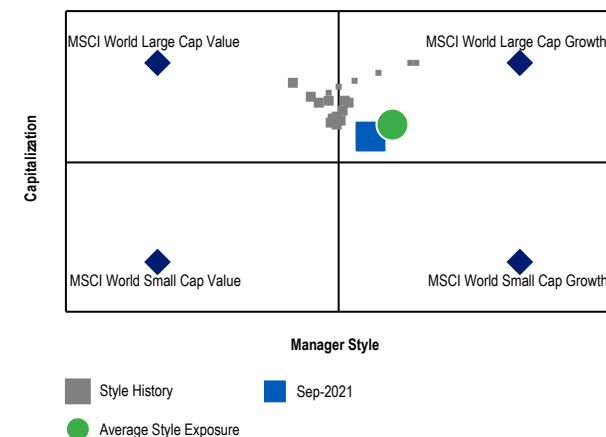
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.5	14.5
Beta	1.0	1.0
Sharpe Ratio	0.7	0.6
Information Ratio	0.9	-
Tracking Error	3.5	0.0
Consistency	58.3	0.0
Up Market Capture	109.3	100.0
Down Market Capture	94.6	100.0
R-Squared	1.0	1.0

Sector Allocation As of 03/31/2021



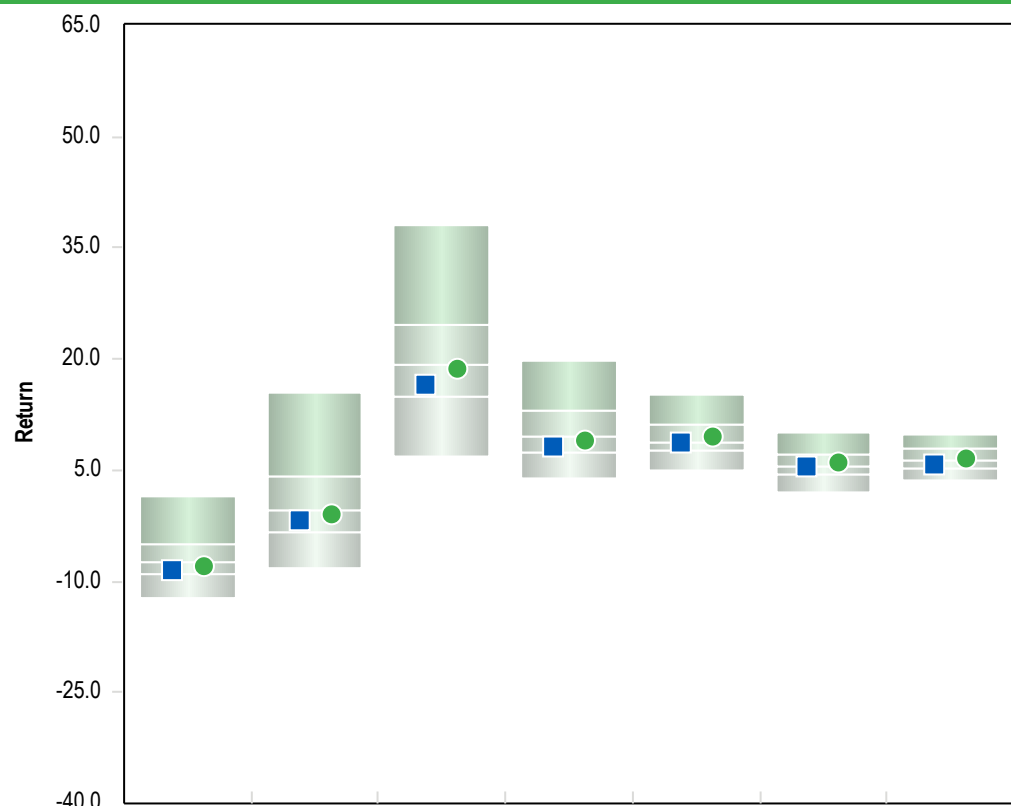
Style Map - 36 Months



Fund Objective

The Fund seeks to provide long-term growth of capital by investing in companies based outside the United States. The Fund invests in companies based chiefly in Europe and the Pacific Basin, ranging from small firms to large corporations.

IM Emerging Markets Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Fidelity Emerging Markets Idx	-8.6 (65)	-1.8 (63)	16.7 (68)	8.2 (65)	8.8 (50)	5.5 (50)	5.9 (57)
MSCI Emerging Markets Index	-8.0 (57)	-1.0 (57)	18.6 (55)	9.0 (56)	9.6 (37)	6.0 (39)	6.5 (45)

5th Percentile	1.5	15.3	38.1	19.7	15.2	10.0	9.7
1st Quartile	-4.9	4.1	24.5	13.1	11.1	7.0	7.8
Median	-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
3rd Quartile	-9.1	-3.4	15.0	7.3	7.5	4.4	5.1
95th Percentile	-12.3	-8.1	6.7	3.8	5.1	1.9	3.5

Population	823	790	778	701	593	482	317
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	9.1	9.3
Minimum Return	-16.1	-15.4
Return	8.2	9.0
Cumulative Return	26.7	29.4
Active Return	-0.7	0.0
Excess Return	8.6	9.3

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	98.0	100.0
Down Market Capture	100.3	100.0

Risk / Return Summary Statistics

Standard Deviation	19.1	19.1
Alpha	-0.6	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.9	0.0
Information Ratio	-0.4	-
Sharpe Ratio	0.4	0.5

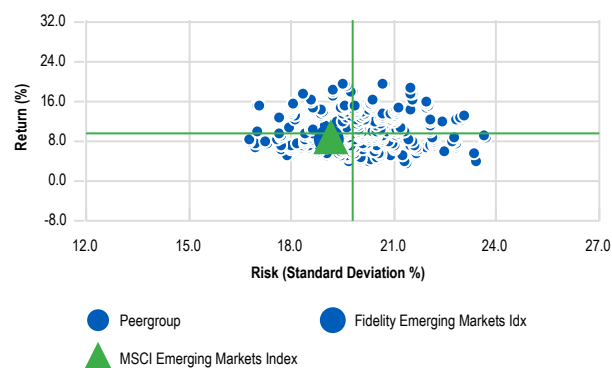
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

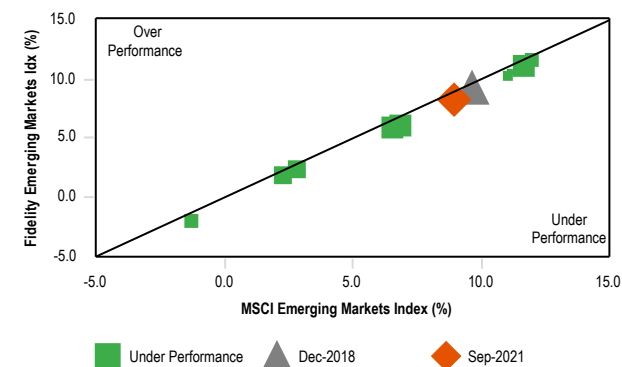
Fund Information

Product Name : Fidelity Emerg Mkts Idx (FPADX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FPADX
 Peer Group : IM Emerging Markets Equity (MF)
 Benchmark : MSCI Emerging Markets Index
 Fund Inception : 09/08/2011
 Portfolio Manager : Team Managed
 Total Assets : \$5,668 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 10%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



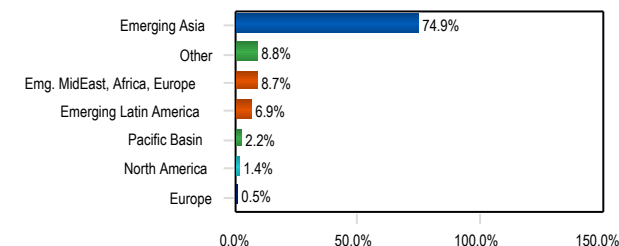
Fund Characteristics As of 04/30/2021

Total Securities 1,452
 Avg. Market Cap \$179,199 Million
 P/E 28.6
 P/B 5.1
 Div. Yield 2.4%
 Annual EPS 22.7
 5Yr EPS 14.0
 3Yr EPS Growth 12.2

Top 5 Countries As of 04/30/2021

China 34.3 %
 Taiwan 13.8 %
 Korea 12.9 %
 India 9.1 %
 Unidentified 5.5 %

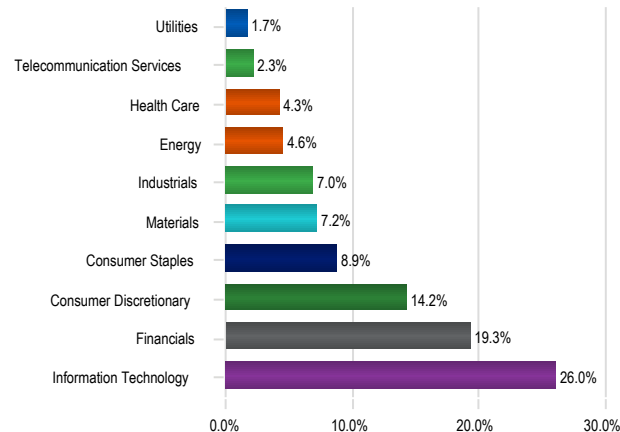
Regional Allocation As of 04/30/2021



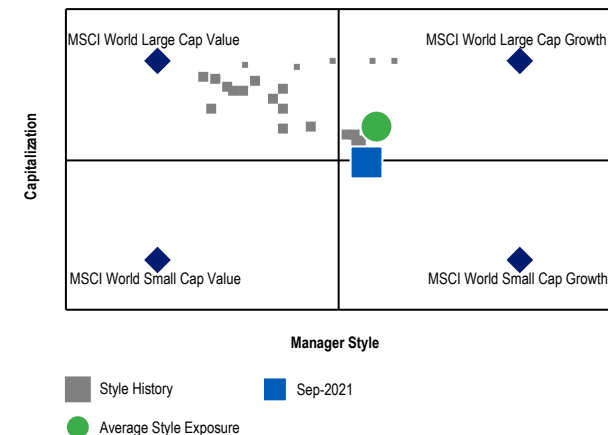
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	16.6	16.5
Beta	1.0	1.0
Sharpe Ratio	0.5	0.6
Information Ratio	-0.4	-
Tracking Error	1.8	0.0
Consistency	38.3	0.0
Up Market Capture	98.0	100.0
Down Market Capture	101.0	100.0
R-Squared	1.0	1.0

Sector Allocation As of 04/30/2021



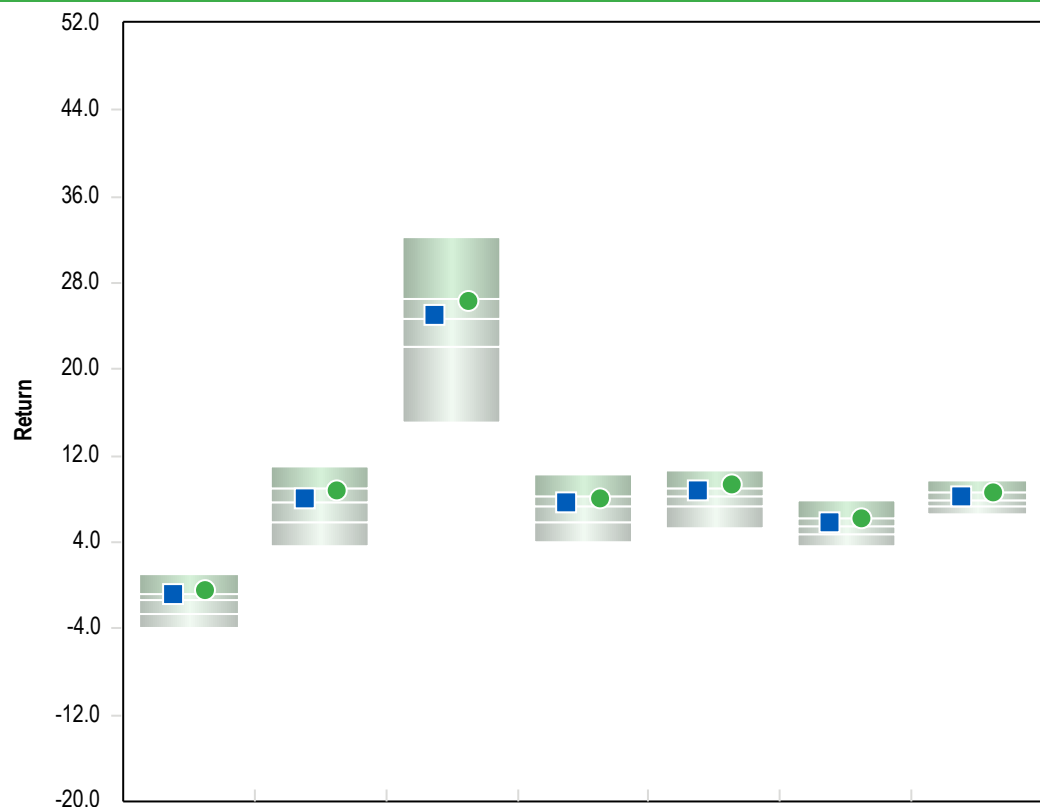
Style Map - 36 Months



Fund Objective

The Fund seeks to provide investment results that correspond to the total return of emerging stock markets. Under normal market conditions, the Fund invests at least 80% of assets in securities included in the MSCI Emerging Markets Index and in depository receipts representing securities included in the index.

IM International Multi-Cap Core Equity (MF)



■ Fidelity International Index
● MSCI EAFE Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-0.8 (28)	8.0 (41)	25.1 (41)	7.7 (38)	8.8 (33)	5.9 (35)	8.3 (34)
	-0.4 (20)	8.8 (28)	26.3 (29)	8.1 (30)	9.3 (15)	6.3 (22)	8.6 (24)

5th Percentile	1.0	11.1	32.3	10.3	10.6	7.9	9.8
1st Quartile	-0.7	9.0	26.6	8.3	9.0	6.2	8.6
Median	-1.4	7.7	24.6	7.2	8.3	5.5	7.9
3rd Quartile	-2.7	5.9	22.1	5.8	7.3	4.8	7.4
95th Percentile	-4.0	3.6	15.2	4.0	5.3	3.6	6.6

Population	398	388	383	346	292	232	180
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	14.9	15.5
Minimum Return	-14.4	-13.2
Return	7.7	8.1
Cumulative Return	24.9	26.4
Active Return	-0.4	0.0
Excess Return	7.8	8.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.9	100.0
Down Market Capture	102.0	100.0

Risk / Return Summary Statistics

Standard Deviation	17.6	17.5
Alpha	-0.4	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.3	-
Sharpe Ratio	0.4	0.5

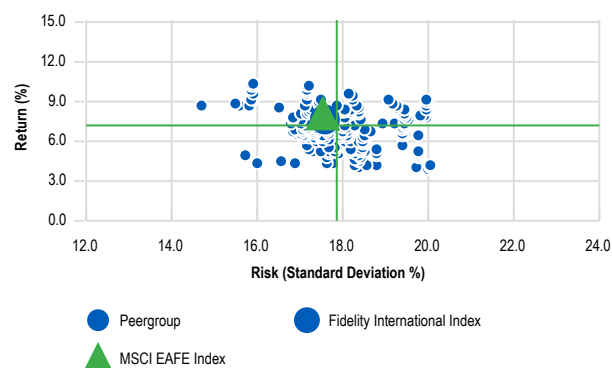
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

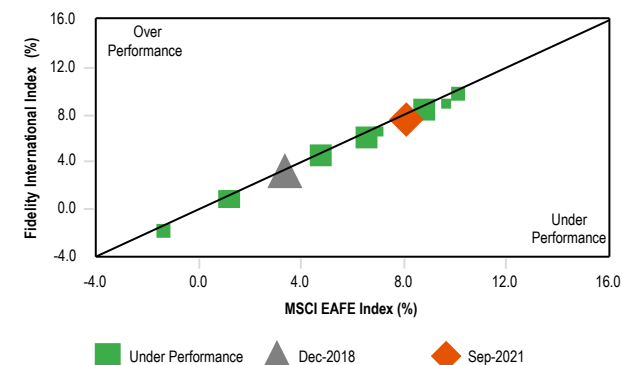
Fund Information

Product Name : Fidelity International Ix (FSPSX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FSPSX
 Peer Group : IM International Multi-Cap Core Equity (MF)
 Benchmark : MSCI EAFE Index
 Fund Inception : 09/08/2011
 Portfolio Manager : Team Managed
 Total Assets : \$36,979 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 7%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



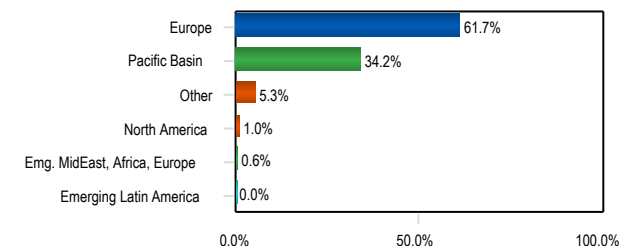
Fund Characteristics As of 04/30/2021

Total Securities 894
 Avg. Market Cap \$76,753 Million
 P/E 30.5
 P/B 4.4
 Div. Yield 2.5%
 Annual EPS -3.4
 5Yr EPS 5.4
 3Yr EPS Growth 0.4

Top 5 Countries As of 04/30/2021

Japan 23.2 %
 United Kingdom 12.7 %
 France 10.4 %
 Switzerland 9.4 %
 Germany 9.1 %

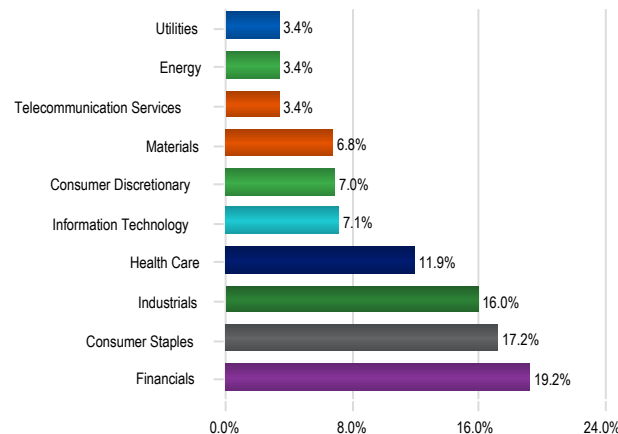
Regional Allocation As of 04/30/2021



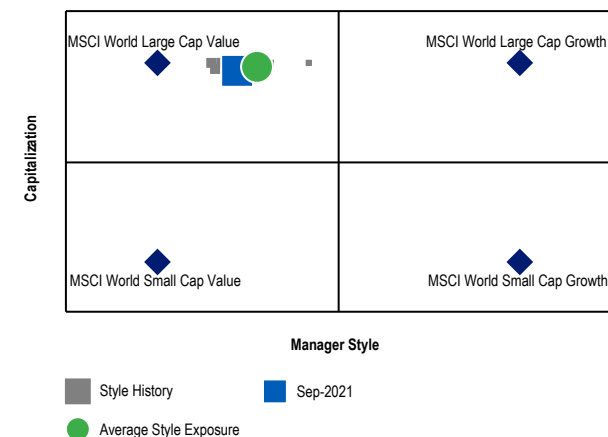
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.6	14.5
Beta	1.0	1.0
Sharpe Ratio	0.6	0.6
Information Ratio	-0.3	-
Tracking Error	1.4	0.0
Consistency	41.7	0.0
Up Market Capture	98.8	100.0
Down Market Capture	101.2	100.0
R-Squared	1.0	1.0

Sector Allocation As of 04/30/2021



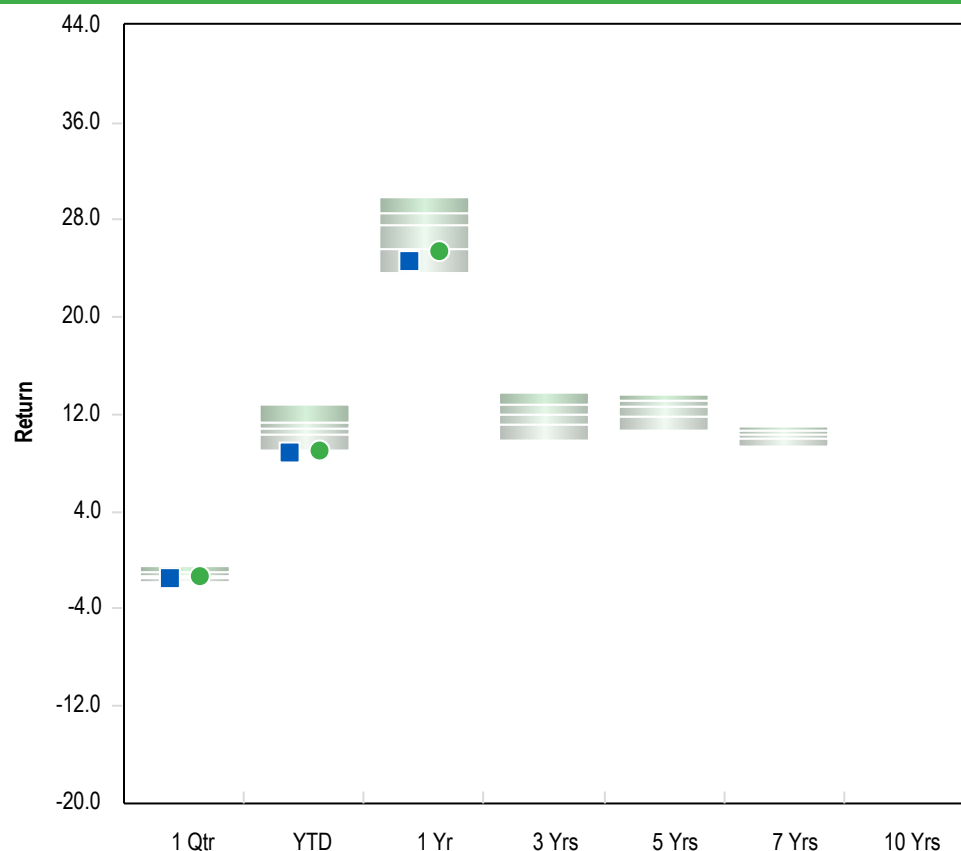
Style Map - 36 Months



Fund Objective

The Fund seeks to provide investment results corresponding to the total return of foreign stock markets. The Fund invests at least 80% of its assets in common stocks included in the MSCI EAFE Index.

IM Mixed-Asset Target 2060+ (MF)



■ State Street Target Ret 2065 K
● SSgA Target Retirement 2065 Index

5th Percentile	-0.4	12.8	29.9	13.8	13.7	10.9	-
1st Quartile	-0.9	11.4	28.5	12.9	13.2	10.7	-
Median	-1.2	10.8	27.6	12.1	12.7	10.4	-
3rd Quartile	-1.4	10.4	25.7	11.2	11.8	10.0	-
95th Percentile	-1.7	9.1	23.6	9.9	10.6	9.3	-
Population	317	301	286	192	114	28	0

Risk Return Statistics - 1 Year

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.7	12.1
Minimum Return	-3.9	-3.7
Return	24.6	25.5
Cumulative Return	24.6	25.5
Active Return	-0.8	0.0
Excess Return	22.9	23.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	98.2	100.0
Down Market Capture	104.0	100.0

Risk / Return Summary Statistics

Standard Deviation	12.8	13.1
Alpha	-0.2	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	0.6	0.0
Information Ratio	-1.4	-
Sharpe Ratio	1.8	1.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

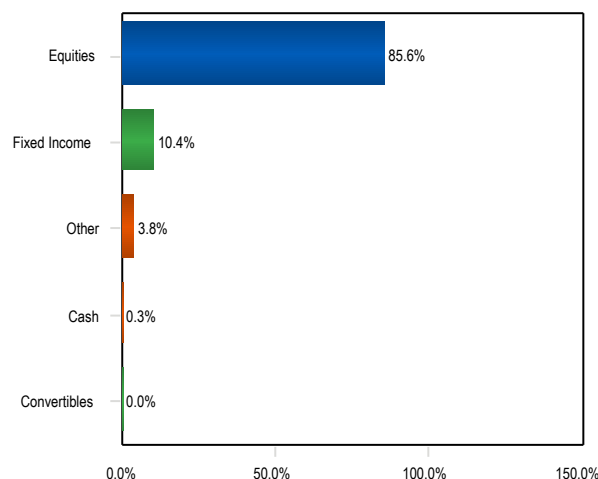
Fund Information

Product Name : SS Inst Inv:Tgt R 2065;K (SSFKX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSFKX
 Peer Group : IM Mixed-Asset Target 2060+ (MF)
 Benchmark : SSgA Target Retirement 2065 Index
 Fund Inception : 03/27/2020
 Portfolio Manager : Team Managed
 Total Assets : \$17 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 11.9%
 Net Expense : 0.1%
 Turnover : 86%

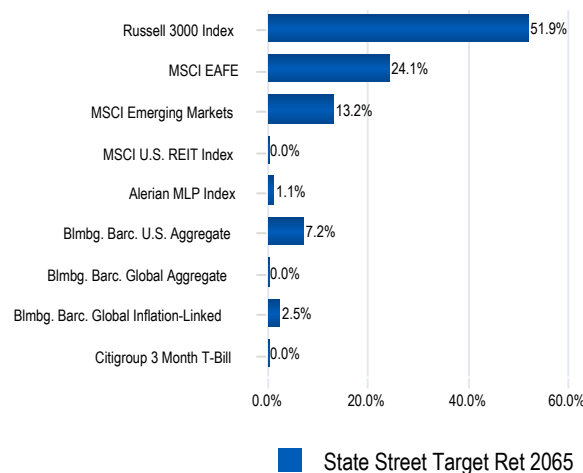
Fund Characteristics As of 03/31/2021

Total Securities : 6
 Avg. Market Cap : \$197,660 Million
 P/E : 30.4
 P/B : 6.6
 Div. Yield : 2.0%
 Annual EPS : 4.4
 5Yr EPS : 10.8
 3Yr EPS Growth : 9.6

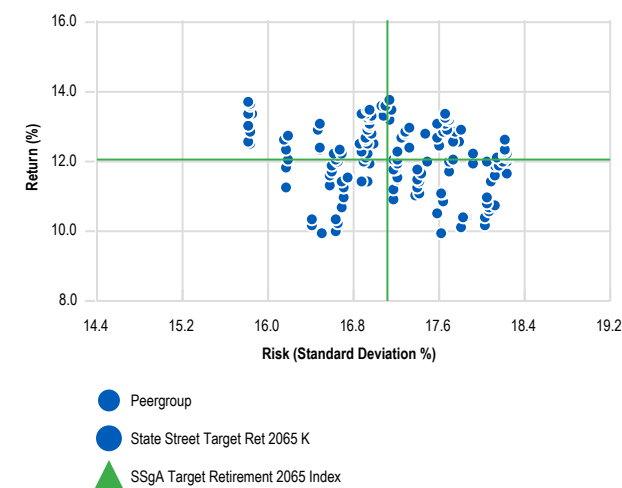
Asset Allocation As of 03/31/2021



Investment Style Exposure (Returns based) - 36 Months



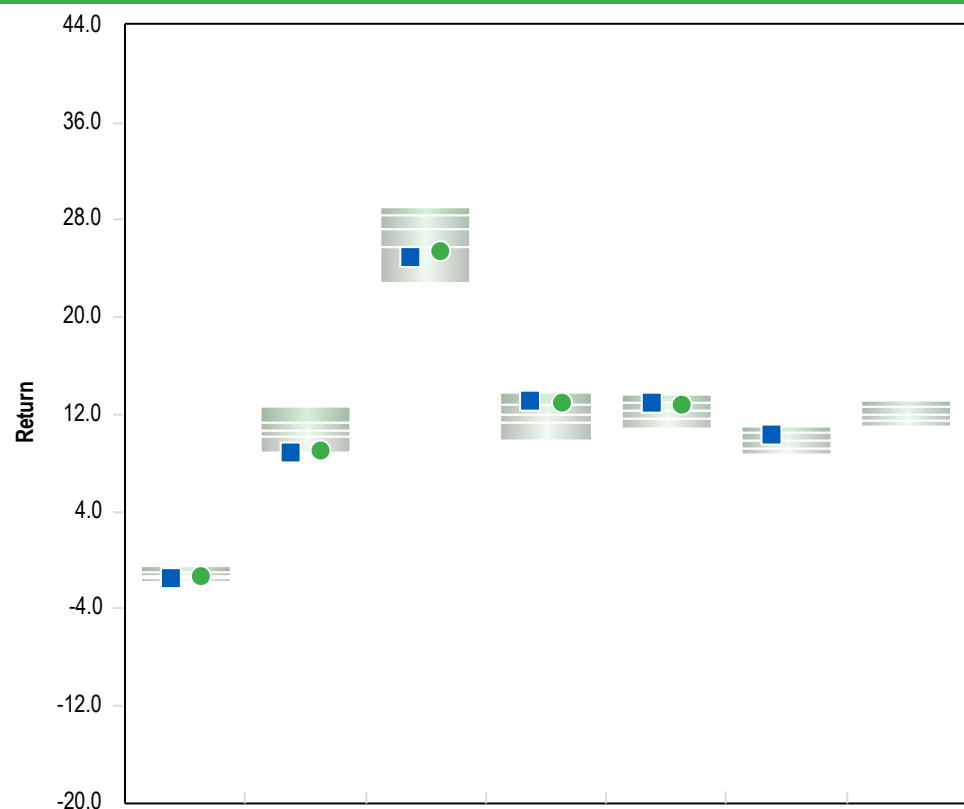
Peer Group Scattergram - 36 Months



Fund Objective

The Fund seeks capital growth and income over the long term. The Fund invests in a combination of mutual funds and ETFs sponsored by the Adviser or its affiliates. The Fund is intended for investors expecting to retire around the year 2065 and who are likely to stop making new investments in the Fund at that time.

IM Mixed-Asset Target 2055 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ State Street Target Ret 2060 K	-1.4 (77)	8.8 (96)	24.9 (83)	13.1 (21)	13.0 (24)	10.3 (32)	-
● SSgA Target Retirement 2060 Index	-1.2 (51)	9.1 (95)	25.5 (79)	13.0 (22)	12.8 (34)	-	-

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0

Population	214	204	204	190	147	108	56
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.0	12.1
Minimum Return	-12.6	-12.2
Return	13.1	13.0
Cumulative Return	44.6	44.4
Active Return	0.1	0.0
Excess Return	12.6	12.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.5	100.0
Down Market Capture	100.5	100.0

Risk / Return Summary Statistics

Standard Deviation	16.5	16.4
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.1	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2060 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2060;K (SSDYX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSDYX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : SSgA Target Retirement 2060 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$216 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.1%
 Turnover : 29%

Fund Characteristics As of 05/31/2021

Total Securities : 6
 Avg. Market Cap : \$216,894 Million
 P/E : 30.1
 P/B : 6.8
 Div. Yield : 1.9%
 Annual EPS : 5.1
 5Yr EPS : 11.1
 3Yr EPS Growth : 9.3

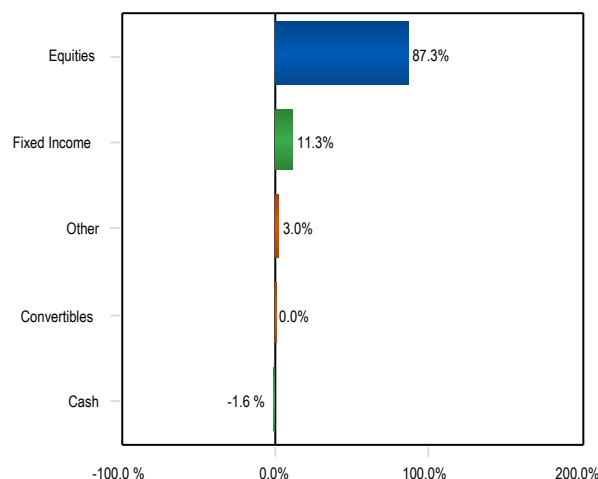
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.3	13.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	58.3	0.0
Up Market Capture	101.0	100.0
Down Market Capture	100.5	100.0
R-Squared	1.0	1.0

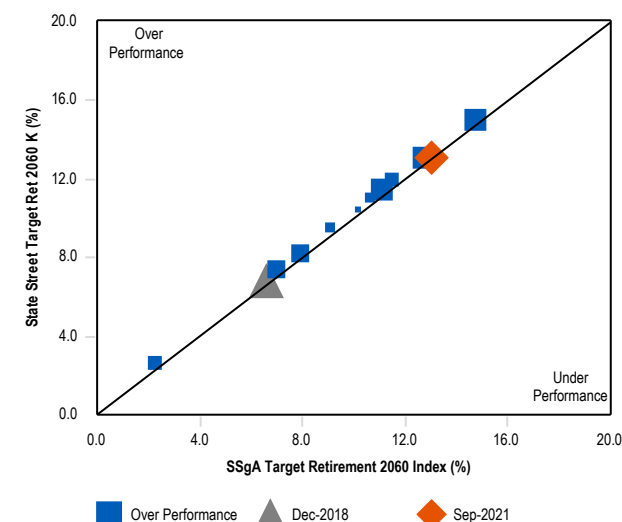
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2060 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

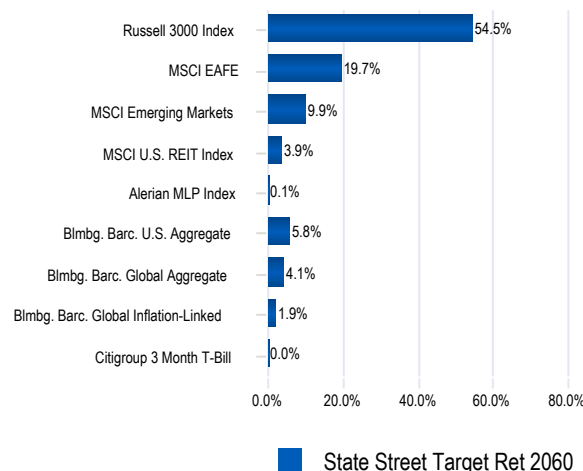
Asset Allocation As of 05/31/2021



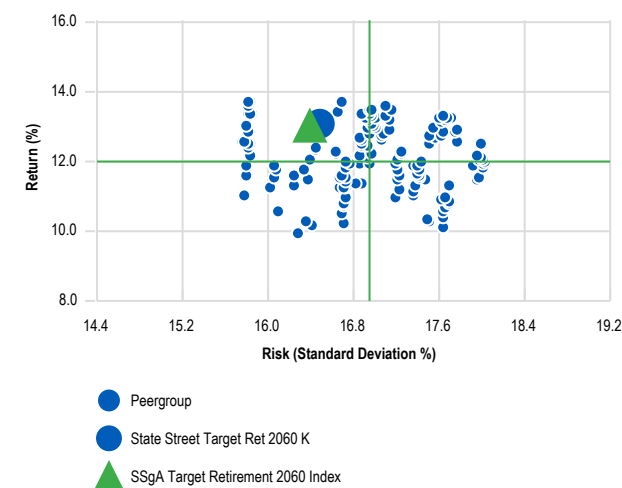
3 Year Rolling Under/Over Performance



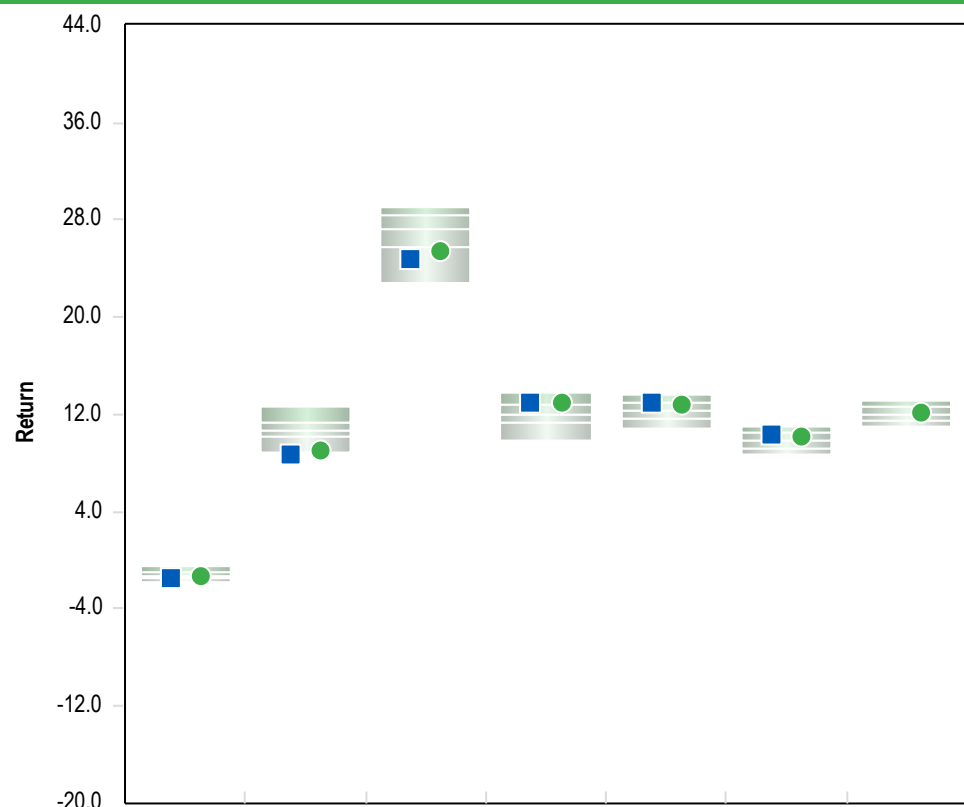
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2055 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ State Street Target Ret 2055 K	-1.5 (83)	8.8 (96)	24.8 (83)	13.0 (21)	13.0 (24)	10.3 (32)	-
● SSgA Target Retirement 2055 Index	-1.2 (51)	9.1 (95)	25.5 (79)	13.0 (22)	12.8 (34)	10.2 (41)	12.2 (46)

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0

Population	214	204	204	190	147	108	56
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.0	12.1
Minimum Return	-12.7	-12.2
Return	13.0	13.0
Cumulative Return	44.5	44.4
Active Return	0.0	0.0
Excess Return	12.5	12.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.3	100.0
Down Market Capture	100.4	100.0

Risk / Return Summary Statistics

Standard Deviation	16.5	16.4
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.1	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2055 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2055;K (SSDQX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSDQX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : SSgA Target Retirement 2055 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$473 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.1%
 Turnover : 18%

Fund Characteristics As of 05/31/2021

Total Securities 6
 Avg. Market Cap \$216,948 Million
 P/E 30.1
 P/B 6.8
 Div. Yield 1.9%
 Annual EPS 5.1
 5Yr EPS 11.1
 3Yr EPS Growth 9.3

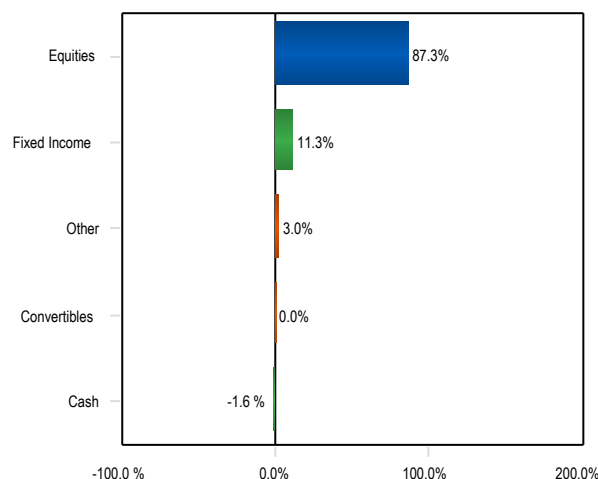
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.3	13.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	51.7	0.0
Up Market Capture	100.8	100.0
Down Market Capture	100.1	100.0
R-Squared	1.0	1.0

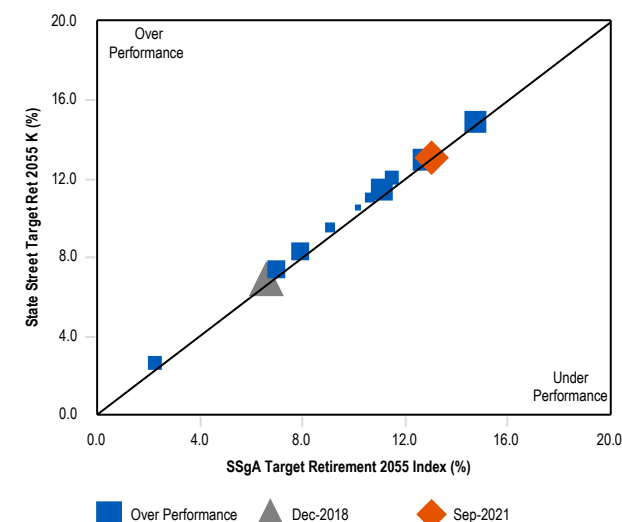
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2055 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

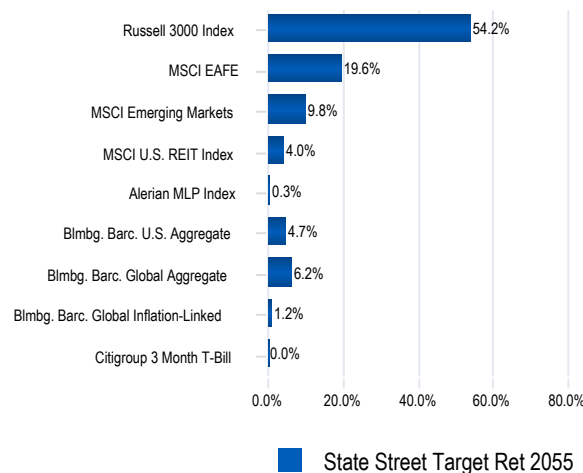
Asset Allocation As of 05/31/2021



3 Year Rolling Under/Over Performance



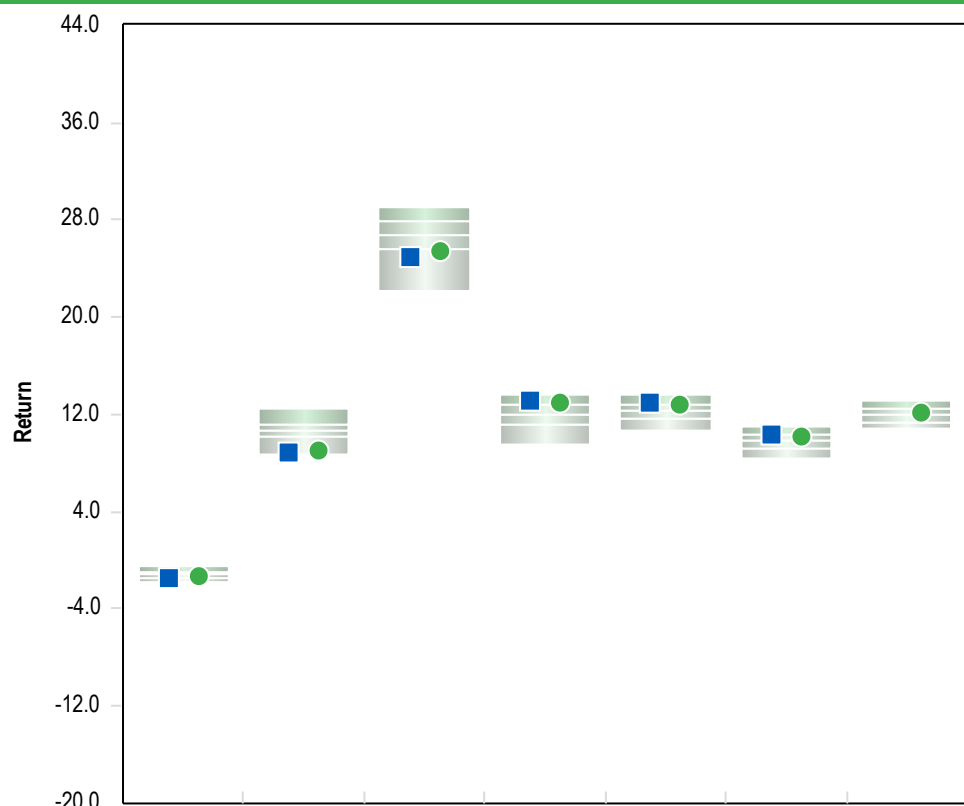
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2050 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ State Street Target Ret 2050 K	-1.4 (79)	8.8 (95)	24.9 (83)	13.1 (19)	13.0 (20)	10.3 (27)	-
● SSga Target Retirement 2050 Index	-1.2 (56)	9.1 (93)	25.5 (76)	13.0 (21)	12.8 (30)	10.2 (34)	12.2 (33)

5th Percentile	-0.4	12.5	29.1	13.7	13.6	11.0	13.2
1st Quartile	-0.9	11.2	27.9	12.8	12.9	10.3	12.4
Median	-1.2	10.6	26.8	12.0	12.3	9.8	12.0
3rd Quartile	-1.4	10.1	25.7	11.2	11.7	9.1	11.4
95th Percentile	-1.7	8.8	22.2	9.6	10.6	8.3	10.9

Population	216	206	206	192	152	116	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.0	12.1
Minimum Return	-12.7	-12.2
Return	13.1	13.0
Cumulative Return	44.6	44.4
Active Return	0.1	0.0
Excess Return	12.6	12.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.8	100.0
Down Market Capture	101.0	100.0

Risk / Return Summary Statistics

Standard Deviation	16.6	16.4
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : SS Inst Inv:Tgt R 2050;K (SSDLX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSDLX
 Peer Group : IM Mixed-Asset Target 2050 (MF)
 Benchmark : SSga Target Retirement 2050 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$790 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 16%

Fund Characteristics As of 05/31/2021

Total Securities : 6
 Avg. Market Cap : \$216,982 Million
 P/E : 30.1
 P/B : 6.8
 Div. Yield : 1.9%
 Annual EPS : 5.1
 5Yr EPS : 11.1
 3Yr EPS Growth : 9.3

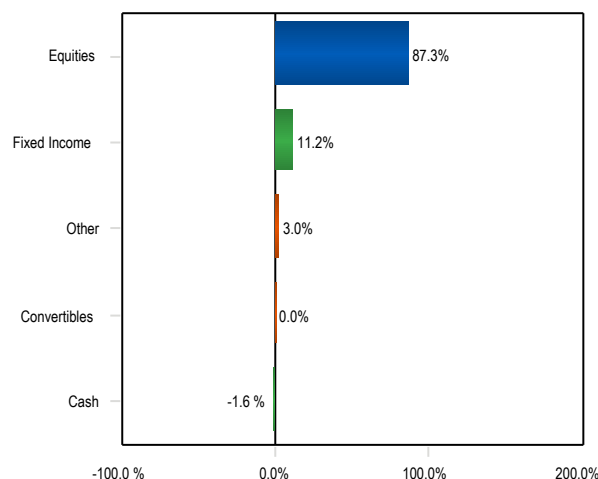
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.4	13.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.3	-
Tracking Error	0.6	0.0
Consistency	51.7	0.0
Up Market Capture	101.1	100.0
Down Market Capture	100.7	100.0
R-Squared	1.0	1.0

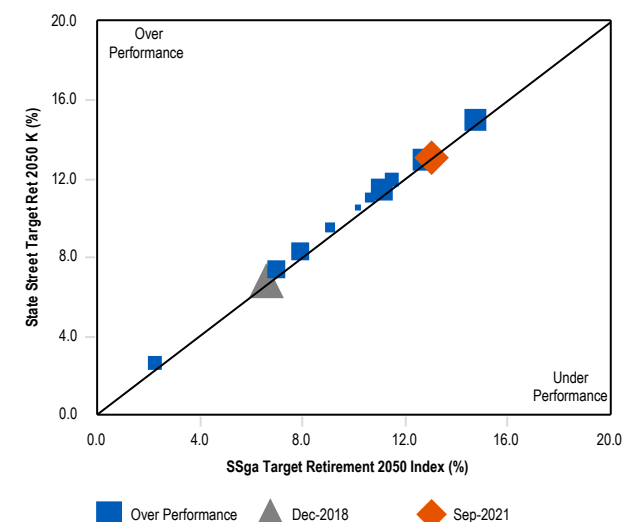
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2050 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

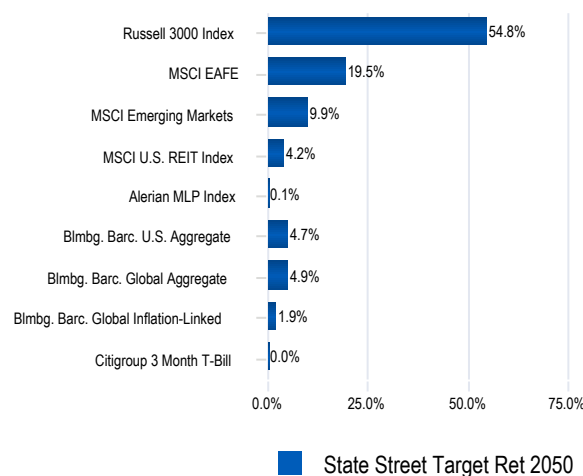
Asset Allocation As of 05/31/2021



3 Year Rolling Under/Over Performance



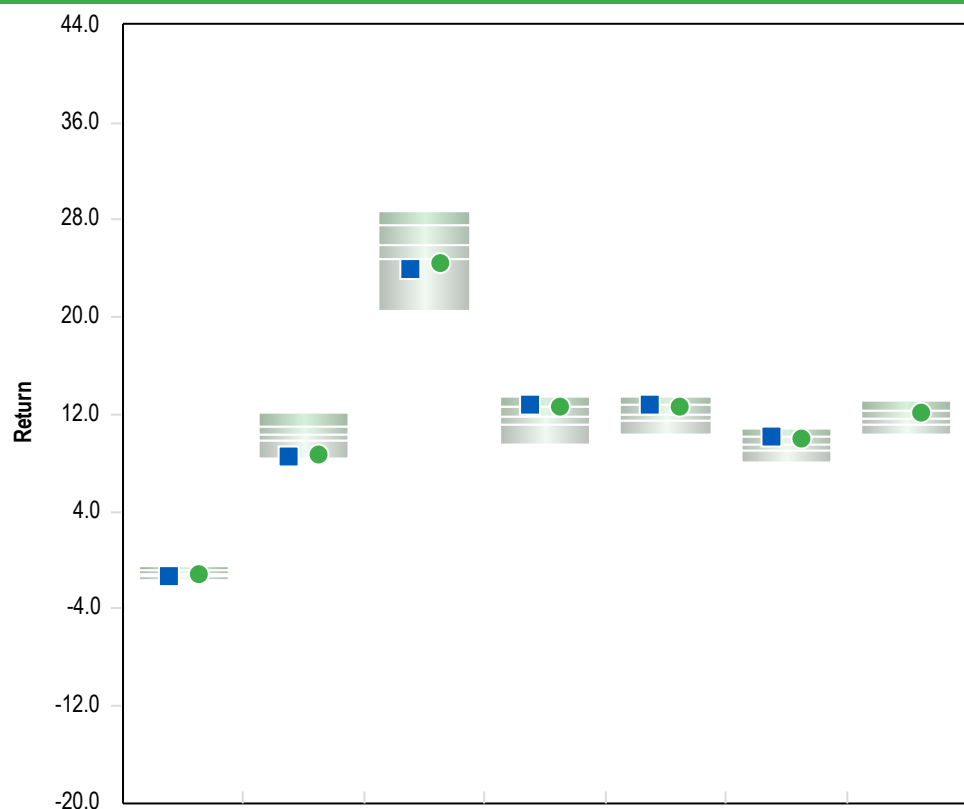
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2045 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ State Street Target Ret 2045 K	-1.3 (69)	8.5 (95)	24.0 (84)	12.8 (23)	12.8 (25)	10.3 (23)	-
● SSga Target Retirement 2045 Index	-1.1 (50)	8.8 (92)	24.5 (81)	12.7 (24)	12.6 (32)	10.0 (37)	12.1 (31)

5th Percentile	-0.4	12.1	28.7	13.5	13.4	10.8	13.1
1st Quartile	-0.9	11.0	27.6	12.7	12.8	10.2	12.3
Median	-1.1	10.4	25.9	11.9	12.1	9.6	11.7
3rd Quartile	-1.4	9.9	24.8	11.1	11.5	9.0	11.2
95th Percentile	-1.7	8.3	20.6	9.5	10.4	8.1	10.3

Population	214	204	204	190	149	114	76
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.7
Minimum Return	-12.3	-11.8
Return	12.8	12.7
Cumulative Return	43.6	43.3
Active Return	0.1	0.0
Excess Return	12.2	12.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.6	100.0
Down Market Capture	100.5	100.0

Risk / Return Summary Statistics

Standard Deviation	16.1	16.0
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2045 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2045;K (SSDEX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSDEX
 Peer Group : IM Mixed-Asset Target 2045 (MF)
 Benchmark : SSga Target Retirement 2045 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$1,132 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 18%

Fund Characteristics As of 05/31/2021

Total Securities : 7
 Avg. Market Cap : \$214,207 Million
 P/E : 29.0
 P/B : 6.6
 Div. Yield : 1.9%
 Annual EPS : 5.0
 5Yr EPS : 10.8
 3Yr EPS Growth : 9.0

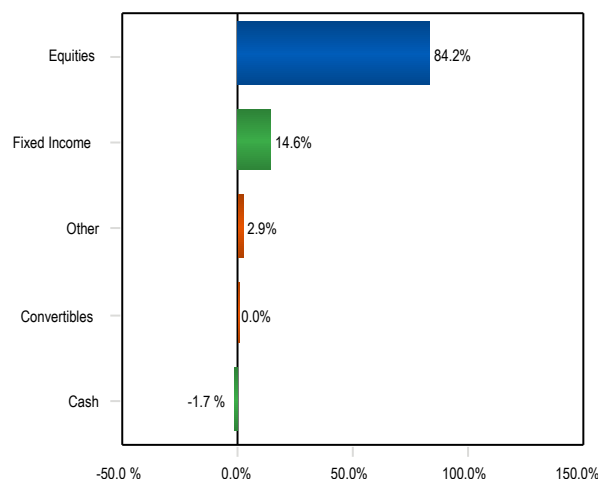
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.0	12.9
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	53.3	0.0
Up Market Capture	101.0	100.0
Down Market Capture	100.5	100.0
R-Squared	1.0	1.0

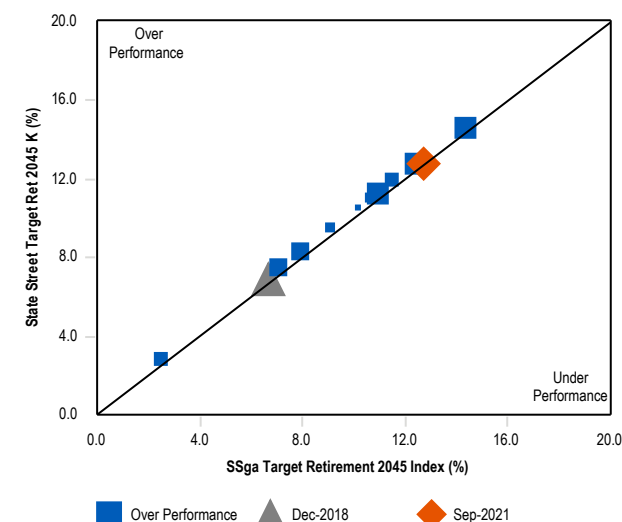
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2045 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

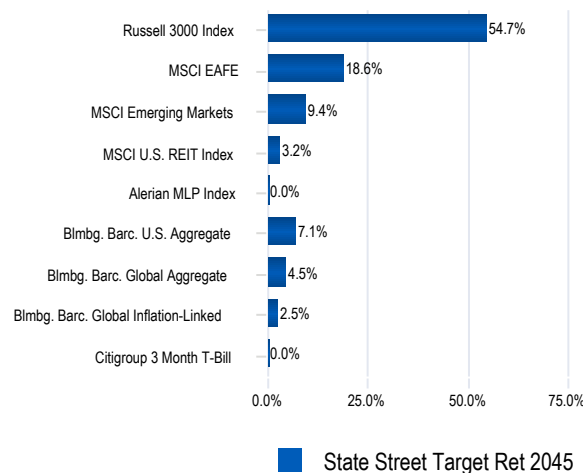
Asset Allocation As of 05/31/2021



3 Year Rolling Under/Over Performance



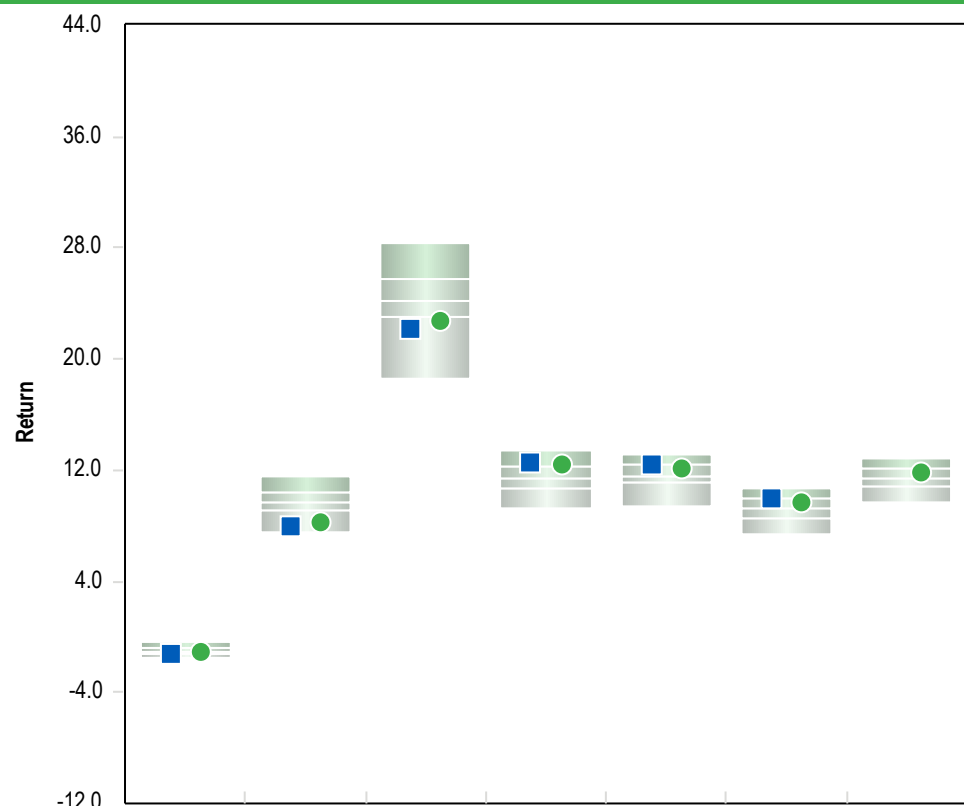
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2040 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
State Street Target Ret 2040 K	-1.2 (70)	7.9 (89)	22.1 (84)	12.6 (21)	12.4 (25)	10.0 (26)	-
SSgA Target Retirement 2040 Index	-1.0 (50)	8.2 (87)	22.7 (80)	12.5 (23)	12.2 (33)	9.7 (38)	11.9 (35)

5th Percentile	-0.3	11.5	28.3	13.4	13.2	10.6	12.9
1st Quartile	-0.7	10.4	25.8	12.3	12.3	10.0	12.1
Median	-1.0	9.7	24.1	11.4	11.6	9.3	11.4
3rd Quartile	-1.3	9.1	23.0	10.6	11.1	8.6	10.8
95th Percentile	-1.5	7.5	18.7	9.2	9.4	7.4	9.7

Population	228	212	210	196	152	116	84
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.9	11.0
Minimum Return	-11.3	-10.9
Return	12.6	12.5
Cumulative Return	42.6	42.2
Active Return	0.1	0.0
Excess Return	11.9	11.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.9	100.0
Down Market Capture	100.8	100.0

Risk / Return Summary Statistics

Standard Deviation	15.1	15.0
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : SS Inst Inv:Tgt R 2040;K (SSCQX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSCQX
 Peer Group : IM Mixed-Asset Target 2040 (MF)
 Benchmark : SSgA Target Retirement 2040 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$1,354 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 19%

Fund Characteristics As of 05/31/2021

Total Securities 7
 Avg. Market Cap \$209,197 Million
 P/E 27.4
 P/B 6.2
 Div. Yield 1.8%
 Annual EPS 4.9
 5Yr EPS 10.2
 3Yr EPS Growth 8.6

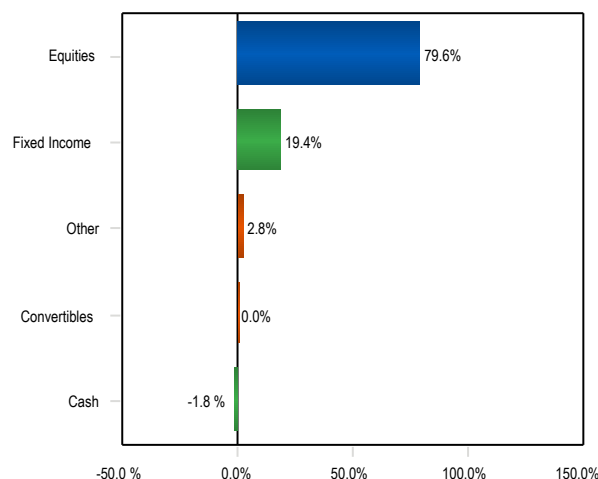
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	12.2	12.1
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	55.0	0.0
Up Market Capture	101.2	100.0
Down Market Capture	100.8	100.0
R-Squared	1.0	1.0

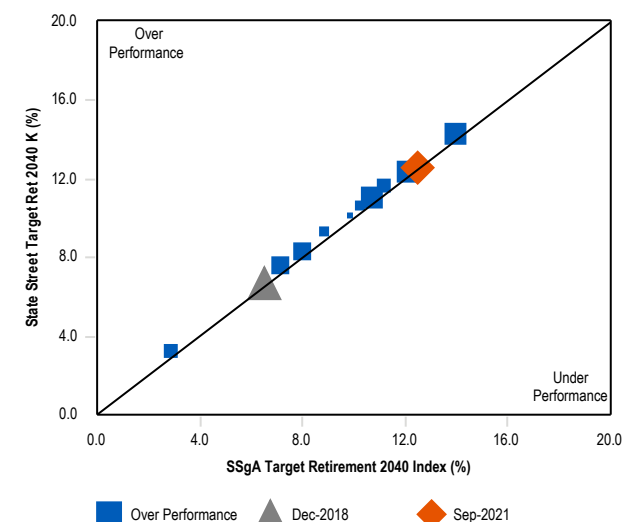
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2040 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

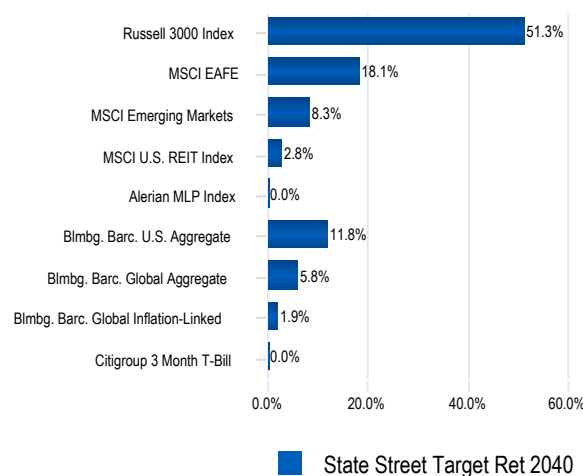
Asset Allocation As of 05/31/2021



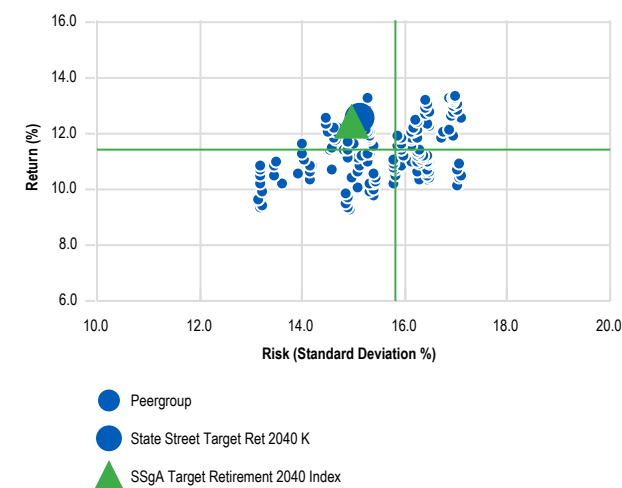
3 Year Rolling Under/Over Performance



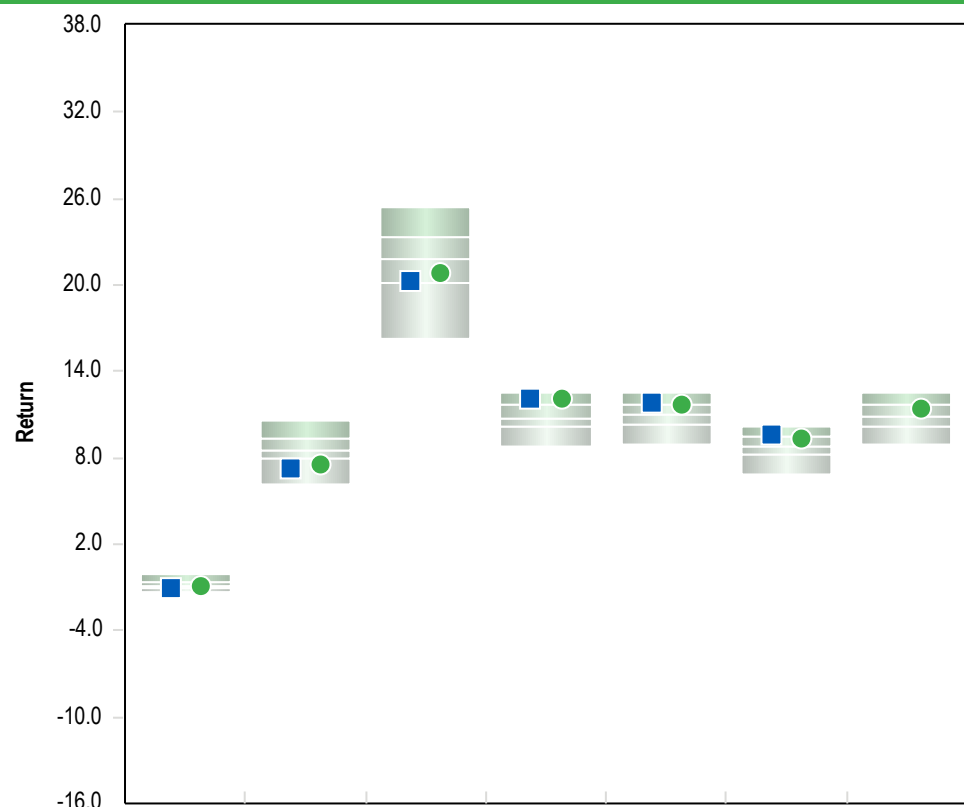
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2035 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
State Street Target Ret 2035 K	-1.1 (79)	7.2 (88)	20.3 (72)	12.2 (18)	11.8 (22)	9.6 (20)	-
SSgA Target Retirement 2035 Index	-0.9 (46)	7.5 (84)	20.8 (66)	12.1 (18)	11.6 (25)	9.4 (29)	11.4 (33)

5th Percentile	-0.1	10.5	25.4	12.6	12.5	10.1	12.5
1st Quartile	-0.6	9.3	23.3	11.7	11.6	9.5	11.6
Median	-0.9	8.6	21.7	10.8	10.9	8.8	10.8
3rd Quartile	-1.1	7.9	20.1	10.1	10.3	8.2	10.1
95th Percentile	-1.3	6.2	16.3	8.8	8.9	6.9	9.0

Population	220	210	208	194	153	114	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.1	10.2
Minimum Return	-10.5	-10.0
Return	12.2	12.1
Cumulative Return	41.1	40.9
Active Return	0.1	0.0
Excess Return	11.3	11.3

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.9	100.0
Down Market Capture	101.2	100.0

Risk / Return Summary Statistics

Standard Deviation	14.0	13.9
Alpha	-0.1	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2035 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2035;K (SSCKX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSCKX
 Peer Group : IM Mixed-Asset Target 2035 (MF)
 Benchmark : SSgA Target Retirement 2035 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$1,510 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 22%

Fund Characteristics As of 05/31/2021

Total Securities 8
 Avg. Market Cap \$197,878 Million
 P/E 25.2
 P/B 5.8
 Div. Yield 1.6%
 Annual EPS 4.5
 5Yr EPS 9.5
 3Yr EPS Growth 8.0

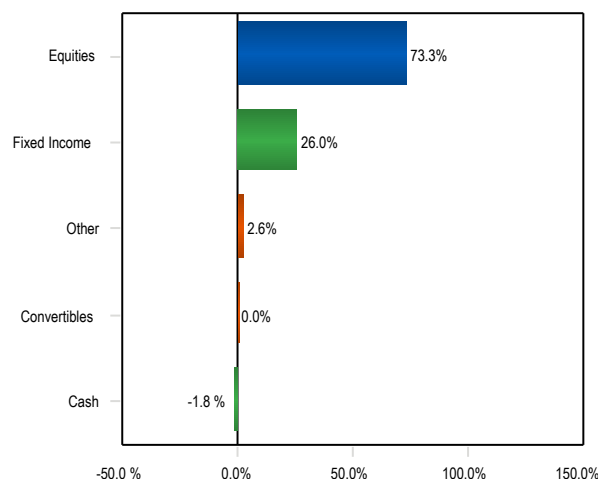
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	11.4	11.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	56.7	0.0
Up Market Capture	101.3	100.0
Down Market Capture	100.9	100.0
R-Squared	1.0	1.0

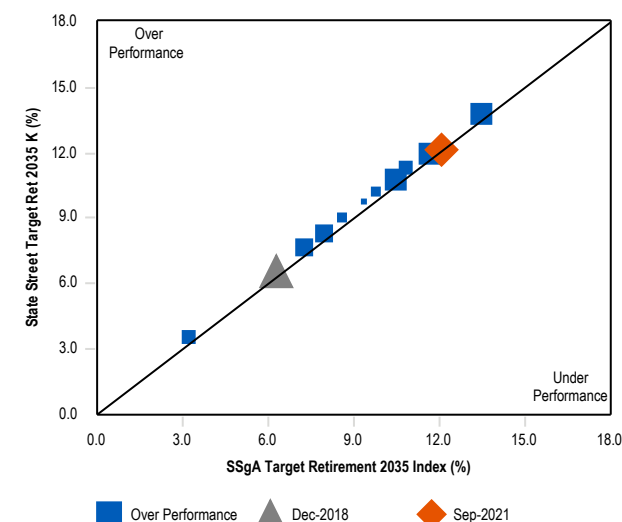
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2035 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

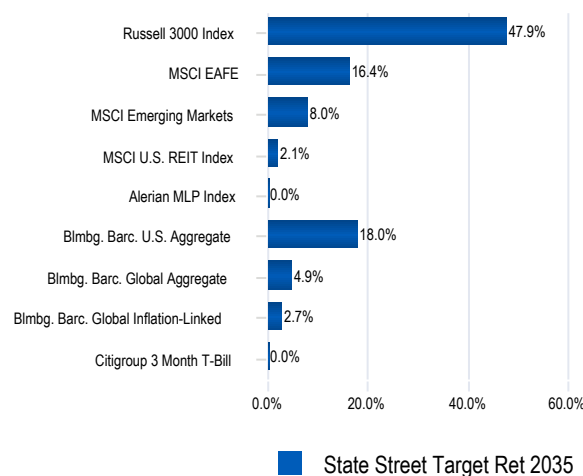
Asset Allocation As of 05/31/2021



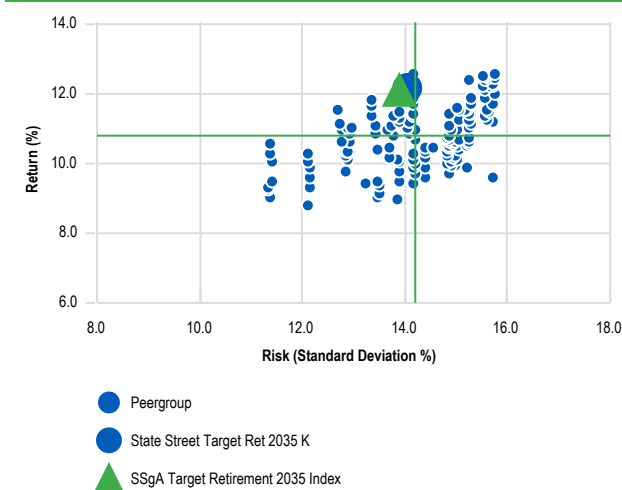
3 Year Rolling Under/Over Performance



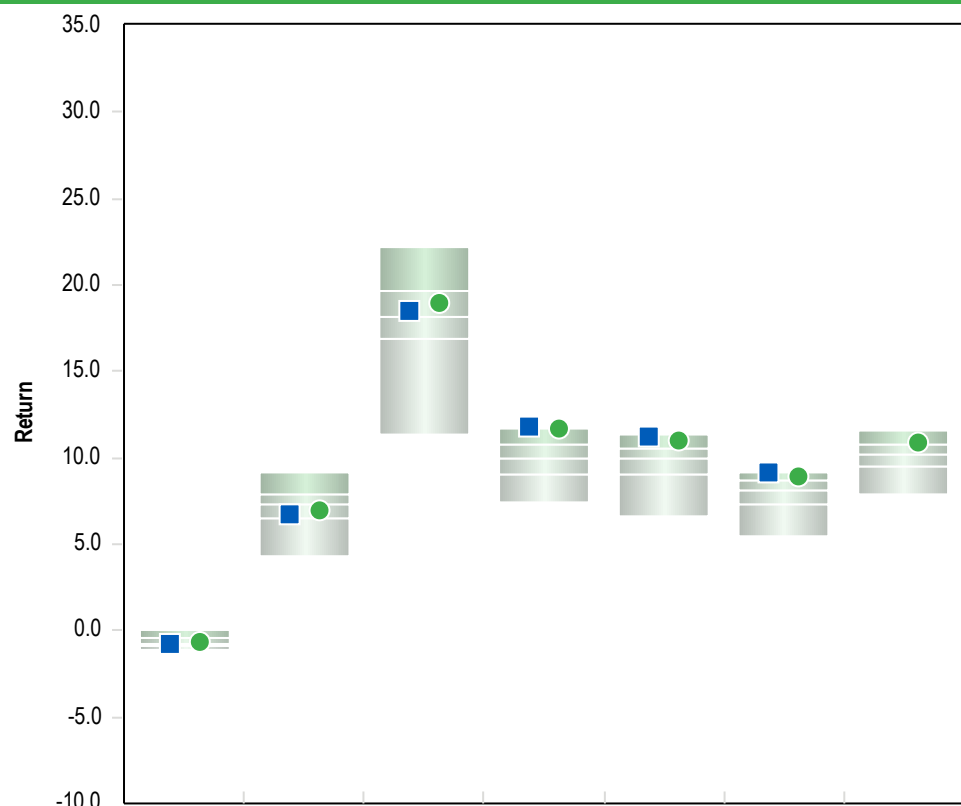
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2030 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ State Street Target Ret 2030 K	-0.8 (60)	6.8 (68)	18.5 (44)	11.8 (4)	11.2 (9)	9.2 (8)	-
● SSgA Target Retirement 2030 Index	-0.7 (42)	7.0 (60)	18.9 (37)	11.7 (5)	11.0 (14)	8.9 (15)	10.9 (19)

5th Percentile	0.1	9.1	22.2	11.7	11.3	9.2	11.6
1st Quartile	-0.4	7.9	19.7	10.7	10.6	8.7	10.8
Median	-0.7	7.3	18.1	10.0	10.0	8.1	10.1
3rd Quartile	-0.9	6.5	16.9	9.0	9.0	7.3	9.5
95th Percentile	-1.1	4.3	11.3	7.5	6.6	5.5	7.9

Population	228	218	214	200	160	124	84
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	9.2	9.3
Minimum Return	-9.6	-9.2
Return	11.8	11.7
Cumulative Return	39.6	39.2
Active Return	0.1	0.0
Excess Return	10.8	10.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	101.1	100.0
Down Market Capture	101.1	100.0

Risk / Return Summary Statistics

Standard Deviation	12.8	12.7
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.3	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2030 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2030;K (SSBYX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSBYX
 Peer Group : IM Mixed-Asset Target 2030 (MF)
 Benchmark : SSgA Target Retirement 2030 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$1,689 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 27%

Fund Characteristics As of 05/31/2021

Total Securities 10
 Avg. Market Cap \$182,302 Million
 P/E 22.8
 P/B 5.2
 Div. Yield 1.5%
 Annual EPS 4.1
 5Yr EPS 8.6
 3Yr EPS Growth 7.2

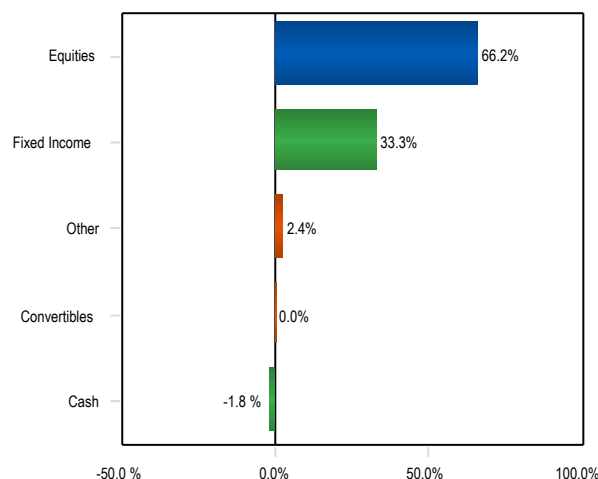
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	10.4	10.3
Beta	1.0	1.0
Sharpe Ratio	1.0	0.9
Information Ratio	0.4	-
Tracking Error	0.5	0.0
Consistency	58.3	0.0
Up Market Capture	101.5	100.0
Down Market Capture	101.1	100.0
R-Squared	1.0	1.0

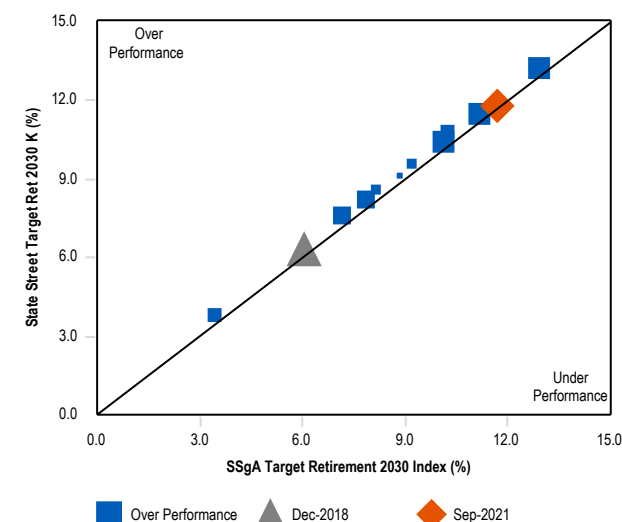
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2030 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

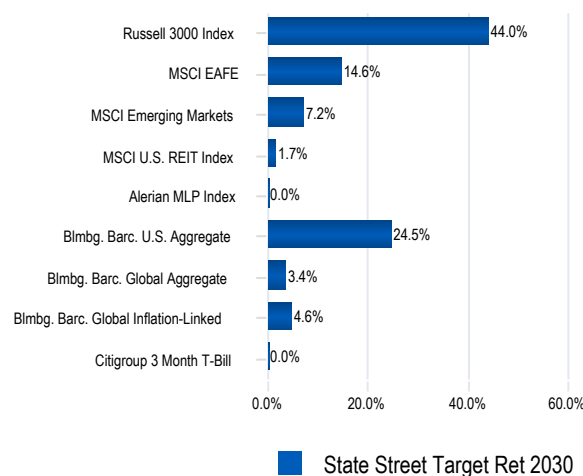
Asset Allocation As of 05/31/2021



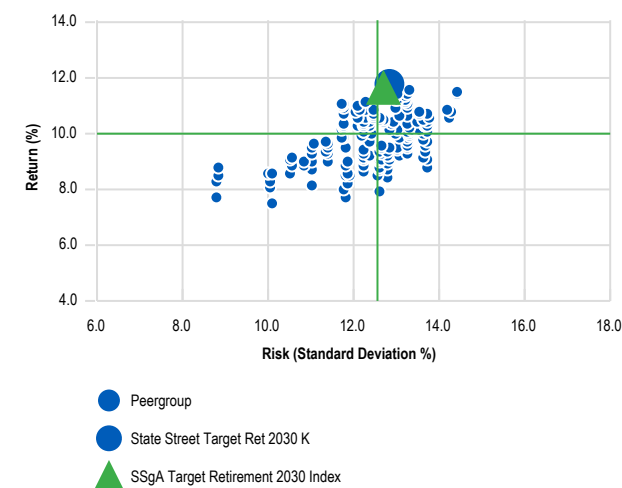
3 Year Rolling Under/Over Performance



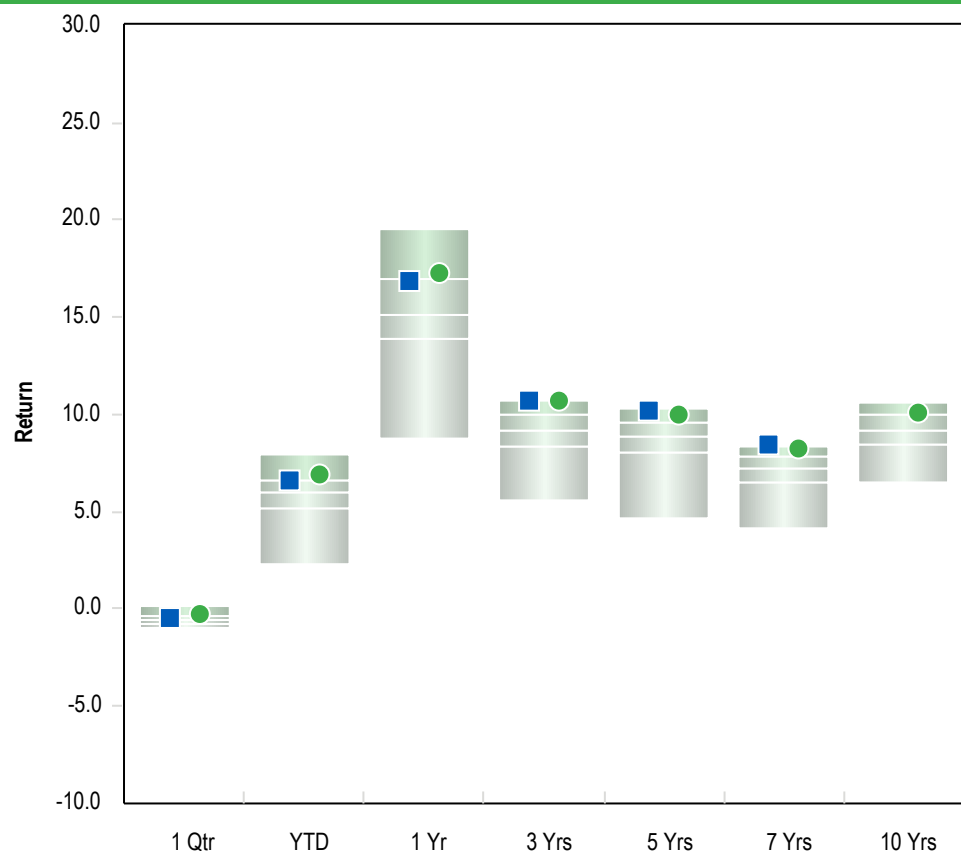
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2025 (MF)



■ State Street Target Ret 2025 K	-0.5 (42)	6.6 (28)	16.9 (27)	10.8 (6)	10.2 (7)	8.4 (3)	-
● SSgA Target Retirement 2025 Index	-0.3 (19)	6.9 (18)	17.3 (21)	10.7 (7)	10.0 (11)	8.2 (11)	10.1 (21)

5th Percentile	0.2	8.0	19.6	10.8	10.3	8.4	10.6
1st Quartile	-0.3	6.6	17.0	10.0	9.6	7.9	10.0
Median	-0.6	6.0	15.2	9.2	8.9	7.3	9.2
3rd Quartile	-0.7	5.2	13.9	8.3	8.1	6.5	8.5
95th Percentile	-1.0	2.3	8.8	5.6	4.7	4.2	6.5

Population	220	210	208	194	153	118	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.9	7.9
Minimum Return	-9.1	-8.6
Return	10.8	10.7
Cumulative Return	35.9	35.6
Active Return	0.1	0.0
Excess Return	9.8	9.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	101.4	100.0
Down Market Capture	101.9	100.0

Risk / Return Summary Statistics

Standard Deviation	11.5	11.3
Alpha	-0.1	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : SS Inst Inv:Tgt R 2025;K (SSBSX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSBSX
 Peer Group : IM Mixed-Asset Target 2025 (MF)
 Benchmark : SSgA Target Retirement 2025 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$1,471 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.2%
 Net Expense : 0.1%
 Turnover : 39%

Fund Characteristics As of 05/31/2021

Total Securities 12
 Avg. Market Cap \$153,312 Million
 P/E 19.5
 P/B 4.3
 Div. Yield 1.3%
 Annual EPS 3.1
 5Yr EPS 7.1
 3Yr EPS Growth 6.0

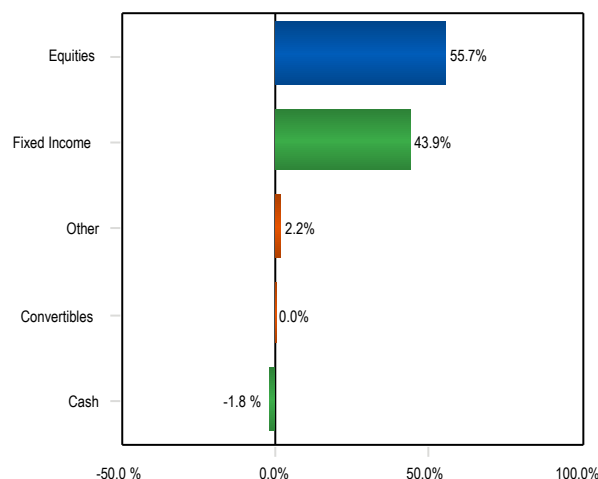
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	9.4	9.2
Beta	1.0	1.0
Sharpe Ratio	1.0	1.0
Information Ratio	0.5	-
Tracking Error	0.5	0.0
Consistency	58.3	0.0
Up Market Capture	101.9	100.0
Down Market Capture	101.6	100.0
R-Squared	1.0	1.0

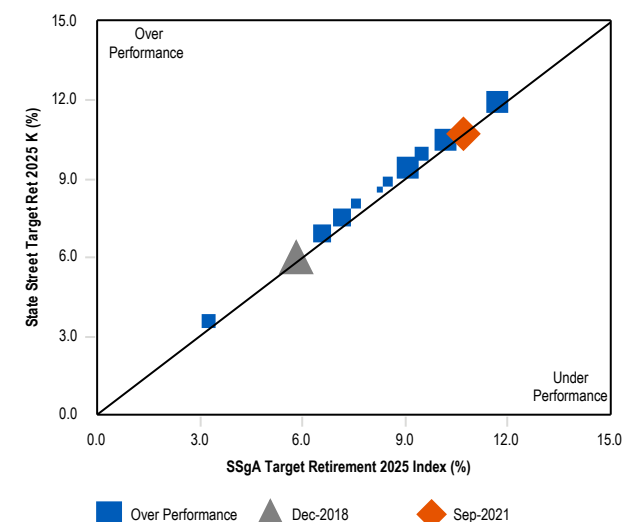
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2025 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

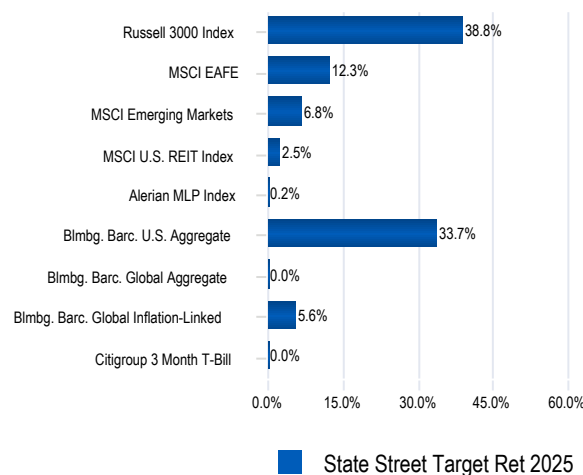
Asset Allocation As of 05/31/2021



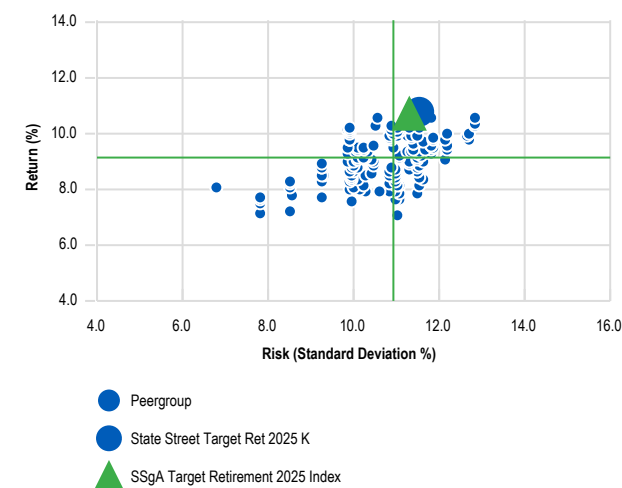
3 Year Rolling Under/Over Performance



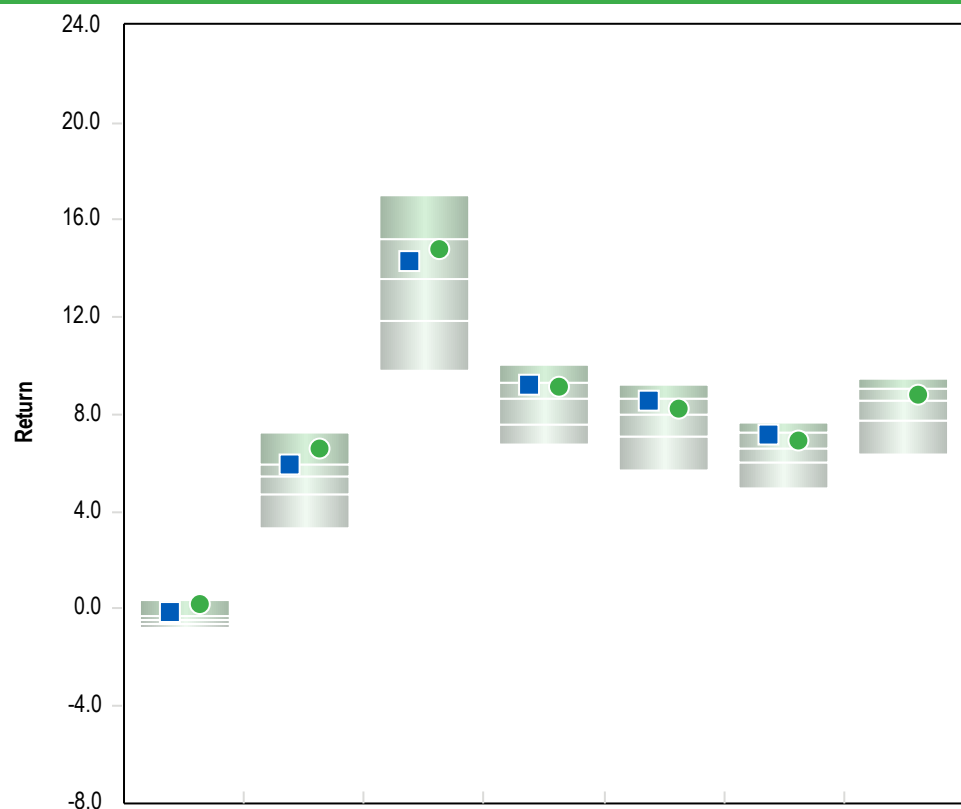
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2020 (MF)



■ State Street Target Ret 2020 K	-0.2 (18)	6.0 (26)	14.3 (36)	9.3 (28)	8.5 (29)	7.2 (30)	-
● SSgA Target Retirement 2020 Index	0.2 (11)	6.6 (12)	14.8 (29)	9.1 (31)	8.3 (43)	6.9 (41)	8.8 (43)

5th Percentile	0.4	7.3	17.0	10.0	9.3	7.6	9.5
1st Quartile	-0.3	6.0	15.2	9.3	8.6	7.2	9.1
Median	-0.5	5.5	13.6	8.7	8.0	6.6	8.6
3rd Quartile	-0.6	4.7	11.9	7.6	7.1	6.0	7.8
95th Percentile	-0.8	3.3	9.8	6.8	5.7	5.0	6.4

Population	166	159	159	156	117	87	60
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	6.3	6.1
Minimum Return	-8.2	-7.8
Return	9.3	9.1
Cumulative Return	30.4	29.9
Active Return	0.2	0.0
Excess Return	8.2	8.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	103.6	100.0
Down Market Capture	105.3	100.0

Risk / Return Summary Statistics

Standard Deviation	9.7	9.3
Alpha	-0.2	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.6	0.0
Information Ratio	0.3	-
Sharpe Ratio	0.8	0.9

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

State Street Target Ret 2020 K

As of September 30, 2021

Fund Information

Product Name : SS Inst Inv:Tgt R 2020;K (SSBOX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSBOX
 Peer Group : IM Mixed-Asset Target 2020 (MF)
 Benchmark : SSgA Target Retirement 2020 Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$904 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.1%
 Turnover : 37%

Fund Characteristics As of 05/31/2021

Total Securities 10
 Avg. Market Cap \$118,091 Million
 P/E 15.6
 P/B 3.3
 Div. Yield 1.0%
 Annual EPS 2.1
 5Yr EPS 5.4
 3Yr EPS Growth 4.5

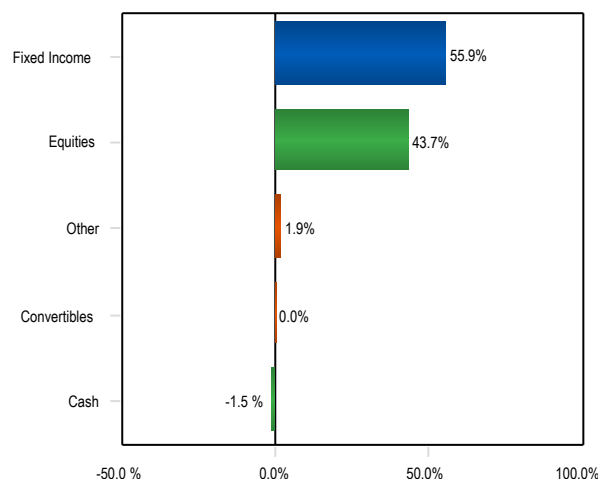
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	7.8	7.5
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.5	-
Tracking Error	0.6	0.0
Consistency	55.0	0.0
Up Market Capture	103.3	100.0
Down Market Capture	103.4	100.0
R-Squared	1.0	1.0

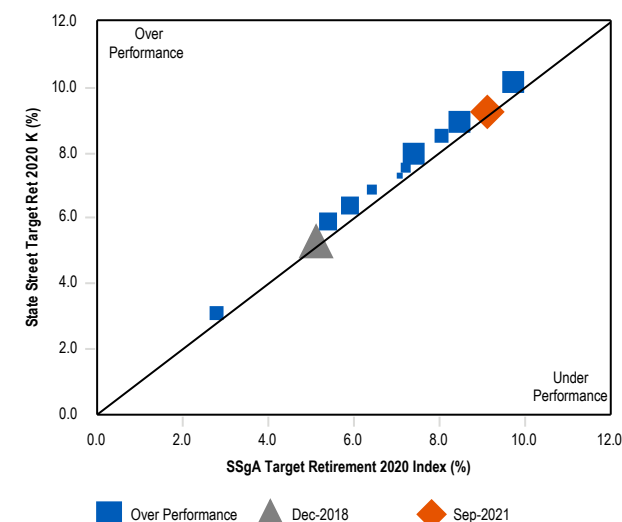
Fund Objective

The Fund seeks capital growth and income over the long term. It is intended for investors expecting to retire around the year 2020 and likely to stop making new investments in the Fund at that time. It is designed for an investor who plans to withdraw the value of the investors account gradually following that date.

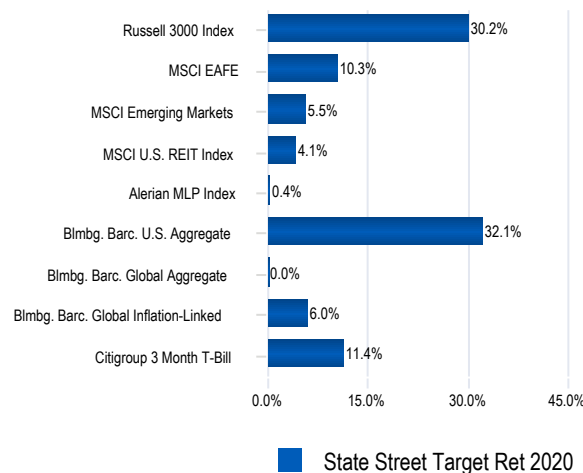
Asset Allocation As of 05/31/2021



3 Year Rolling Under/Over Performance



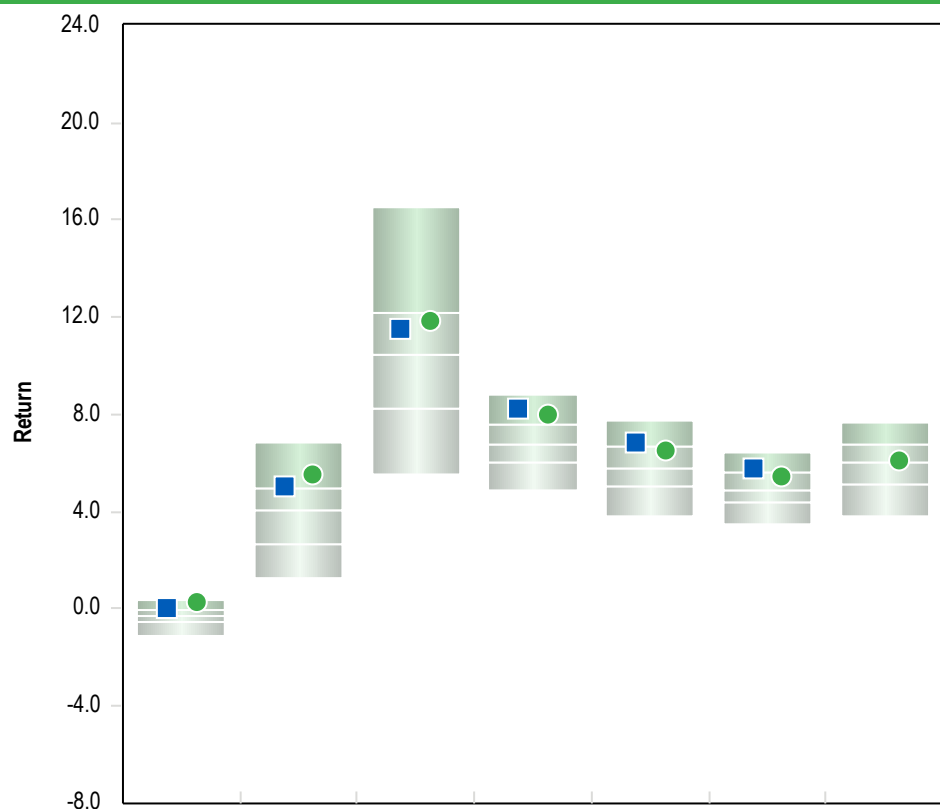
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target Alloc Consv (MF)



■ State Street Target Ret Inc K
● SSgA Target Retirement Income Index

5th Percentile	0.3	6.8	16.5	8.9	7.7	6.5	7.6
1st Quartile	-0.1	5.0	12.2	7.6	6.7	5.6	6.7
Median	-0.3	4.0	10.4	6.7	5.8	4.9	6.0
3rd Quartile	-0.5	2.7	8.2	6.0	5.0	4.4	5.1
95th Percentile	-1.1	1.3	5.5	4.9	3.8	3.5	3.8
Population	331	329	328	300	284	248	200

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	5.0	4.7
Minimum Return	-6.2	-5.9
Return	8.2	8.0
Cumulative Return	26.7	25.9
Active Return	0.3	0.0
Excess Return	7.0	6.8

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.5	100.0
Down Market Capture	106.2	100.0

Risk / Return Summary Statistics

Standard Deviation	7.3	6.9
Alpha	-0.1	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.6	0.0
Information Ratio	0.4	-
Sharpe Ratio	0.9	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : SS Inst Inv:Target Ret;K (SSFOX)
 Fund Family : State Street Bank and Trust Company
 Ticker : SSFOX
 Peer Group : IM Mixed-Asset Target Alloc Consv (MF)
 Benchmark : SSgA Target Retirement Income Index
 Fund Inception : 09/30/2014
 Portfolio Manager : Team Managed
 Total Assets : \$588 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.1%
 Turnover : 24%

Fund Characteristics As of 05/31/2021

Total Securities 10
 Avg. Market Cap \$99,337 Million
 P/E 13.3
 P/B 2.8
 Div. Yield 0.9%
 Annual EPS 1.6
 5Yr EPS 4.5
 3Yr EPS Growth 3.8

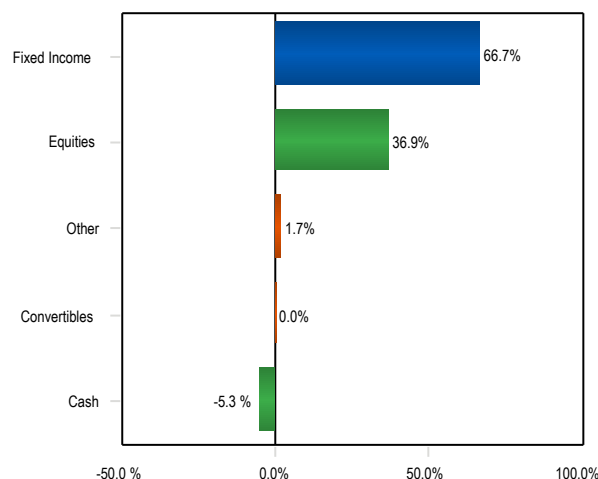
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	5.9	5.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.5	-
Tracking Error	0.5	0.0
Consistency	51.7	0.0
Up Market Capture	104.6	100.0
Down Market Capture	104.9	100.0
R-Squared	1.0	1.0

Fund Objective

The Fund seeks current income and, secondarily, capital growth. The Funds assets are allocated according to a target asset allocation strategy that emphasizes fixed income and smaller allocation to equity. It is intended for use as part of an overall investment strategy by an investor who is already in retirement.

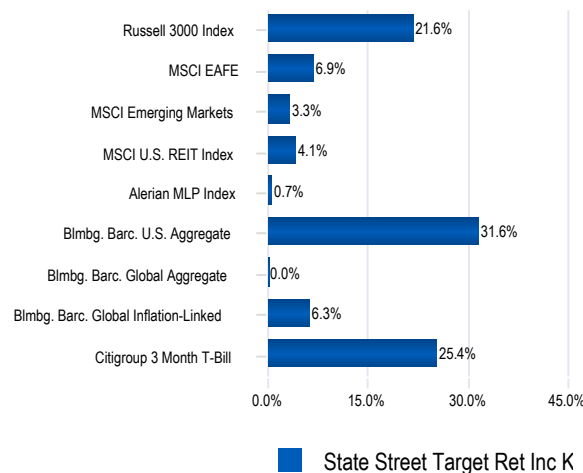
Asset Allocation As of 05/31/2021



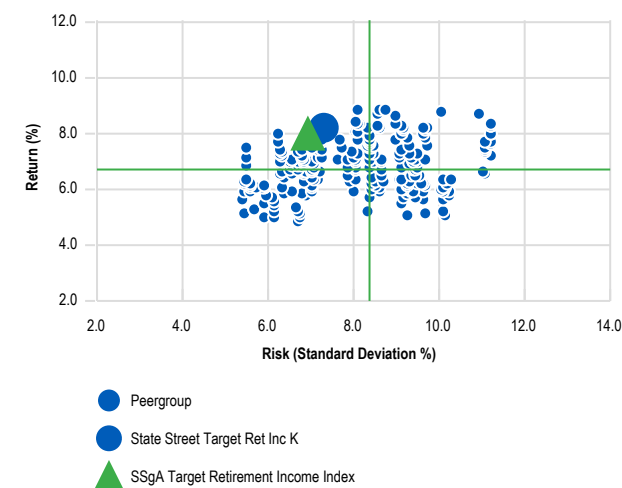
3 Year Rolling Under/Over Performance



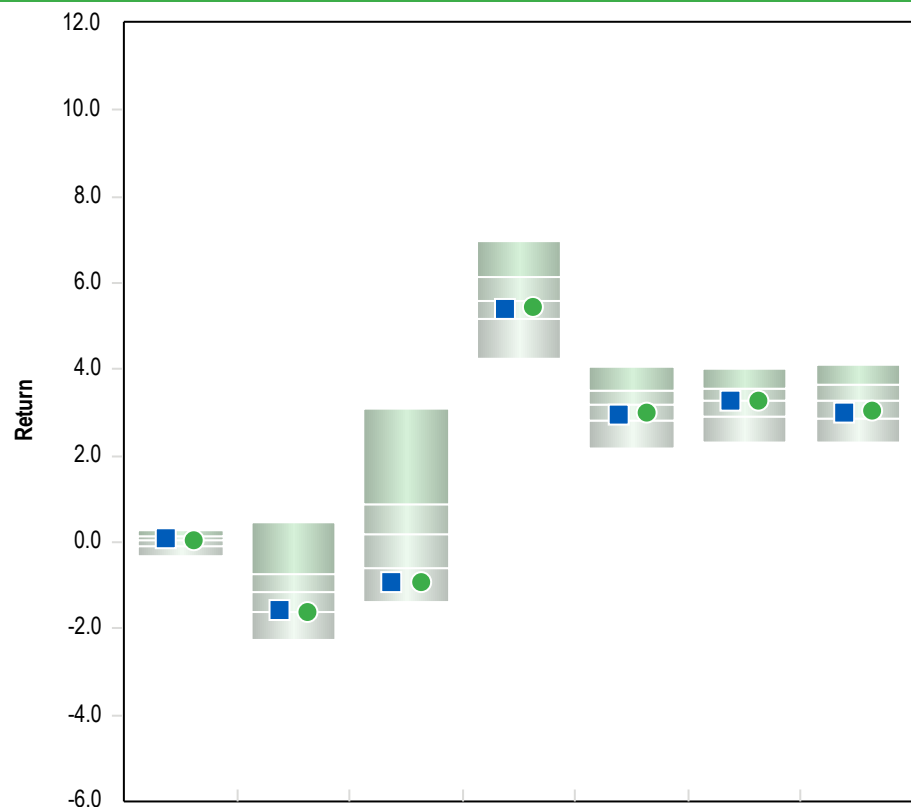
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM U.S. Broad Market Core Fixed Income (MF)



■ Vanguard Total Bond Index I
 ● Vanguard Spliced Bloomberg US Aggregate Float Adjusted (N)

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Vanguard Total Bond Index I	0.1 (29)	-1.6 (72)	-0.9 (83)	5.4 (58)	2.9 (65)	3.3 (52)	3.0 (68)
Vanguard Spliced Bloomberg US Aggregate Float Adjusted (N)	0.1 (45)	-1.6 (76)	-0.9 (84)	5.4 (57)	3.0 (63)	3.3 (48)	3.0 (64)

5th Percentile	0.3	0.5	3.1	6.9	4.1	4.0	4.1
1st Quartile	0.1	-0.7	0.9	6.2	3.5	3.6	3.6
Median	0.0	-1.2	0.2	5.6	3.2	3.3	3.3
3rd Quartile	-0.1	-1.6	-0.6	5.2	2.8	2.9	2.9
95th Percentile	-0.3	-2.3	-1.4	4.2	2.2	2.3	2.3
Population	502	496	490	465	411	351	305

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.8	2.7
Minimum Return	-1.5	-1.5
Return	5.4	5.4
Cumulative Return	17.2	17.2
Active Return	0.0	0.0
Excess Return	4.2	4.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	100.5	100.0

Risk / Return Summary Statistics

Standard Deviation	3.7	3.6
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.3	0.0
Information Ratio	-0.1	-
Sharpe Ratio	1.2	1.2

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

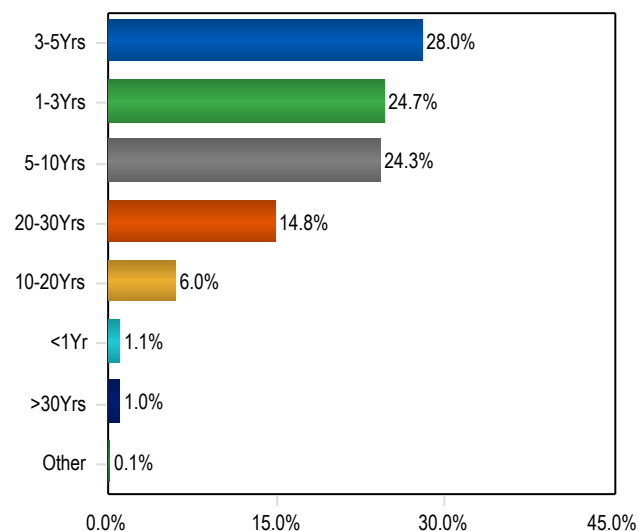
Fund Information

Product Name : Vanguard Tot Bd;Inst (VBTIX)
 Fund Family : Vanguard Group Inc
 Ticker : VBTIX
 Peer Group : IM U.S. Broad Market Core Fixed Income (MF)
 Benchmark : Vanguard Spic Blmbg. US Agg Flt Adj (N)
 Fund Inception : 09/18/1995
 Portfolio Manager : Joshua C. Barrickman
 Total Assets : \$50,547 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 79%

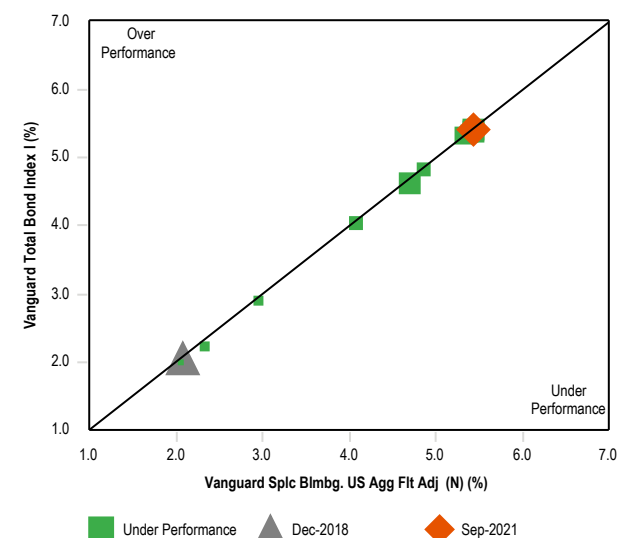
Fund Characteristics As of 03/31/2021

Avg. Coupon
 Nominal Maturity
 Effective Maturity
 Duration
 SEC 30 Day Yield 2.7
 Avg. Credit Quality AA

Maturity Distribution As of 12/31/2020



3 Year Rolling Under/Over Performance



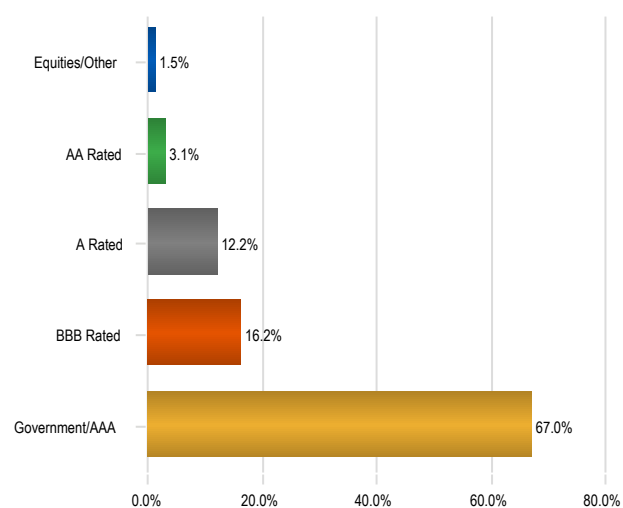
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.4	3.4
Beta	1.0	1.0
Sharpe Ratio	0.5	0.6
Information Ratio	-0.1	-
Tracking Error	0.3	0.0
Consistency	48.3	0.0
Up Market Capture	99.4	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

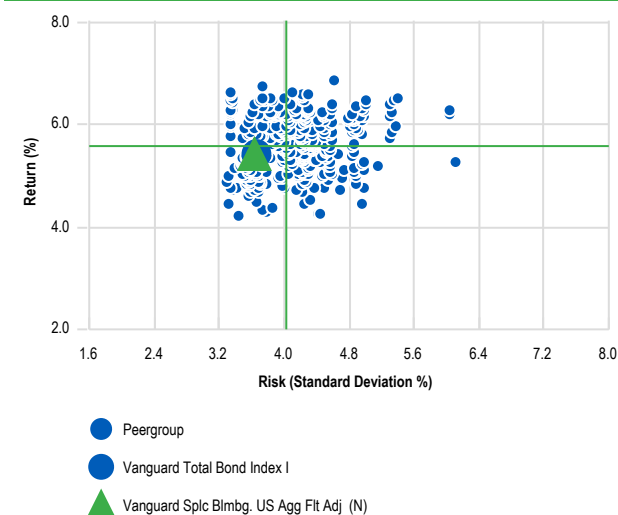
Fund Objective

The Fund seeks to track the performance of a broad, market-weighted bond index.

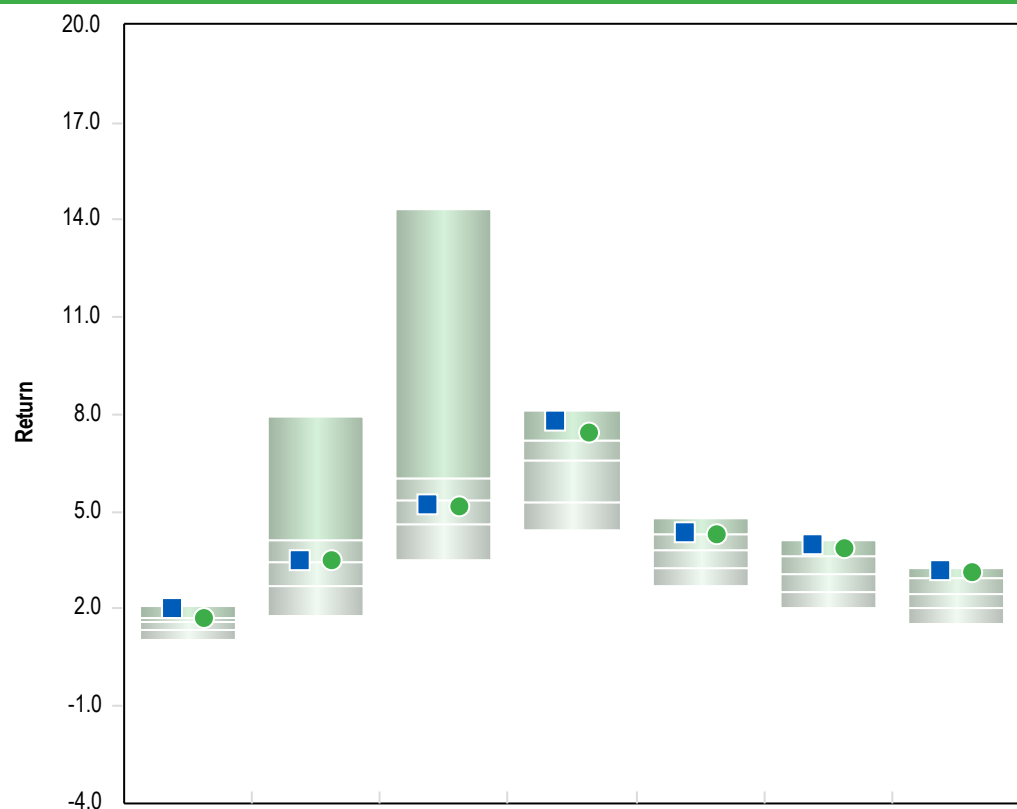
Quality Allocation As of 03/31/2021



Peer Group Scattergram - 36 Months



IM U.S. TIPS (MF)



■ DFA Inflation Protected Sec. I
● Blmbg. U.S. TIPS

5th Percentile	2.1	8.0	14.3	8.1	4.8	4.1	3.3
1st Quartile	1.7	4.1	6.0	7.2	4.3	3.7	2.9
Median	1.6	3.5	5.4	6.6	3.8	3.1	2.5
3rd Quartile	1.4	2.7	4.6	5.3	3.2	2.5	2.0
95th Percentile	1.0	1.8	3.5	4.4	2.7	2.0	1.5
Population	210	209	205	200	174	144	118

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	3.2	2.8
Minimum Return	-2.0	-1.8
Return	7.8	7.4
Cumulative Return	25.3	24.0
Active Return	0.3	0.0
Excess Return	6.5	6.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.8	100.0
Down Market Capture	105.1	100.0

Risk / Return Summary Statistics

Standard Deviation	4.2	4.0
Alpha	0.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.8	0.0
Information Ratio	0.4	-
Sharpe Ratio	1.5	1.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

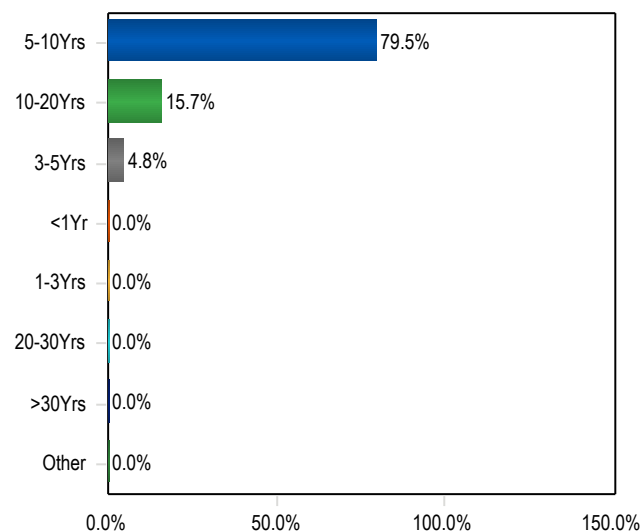
Fund Information

Product Name : DFA Inflation Protected Sec. I (DIPSX)
 Fund Family : Dimensional Fund Advisors LP
 Ticker : DIPSX
 Peer Group : IM U.S. TIPS (MF)
 Benchmark : Blmbg. U.S. TIPS
 Fund Inception : 09/18/2006
 Portfolio Manager : Plecha/Kolerich/Hutchison
 Total Assets : \$6,585 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 15%

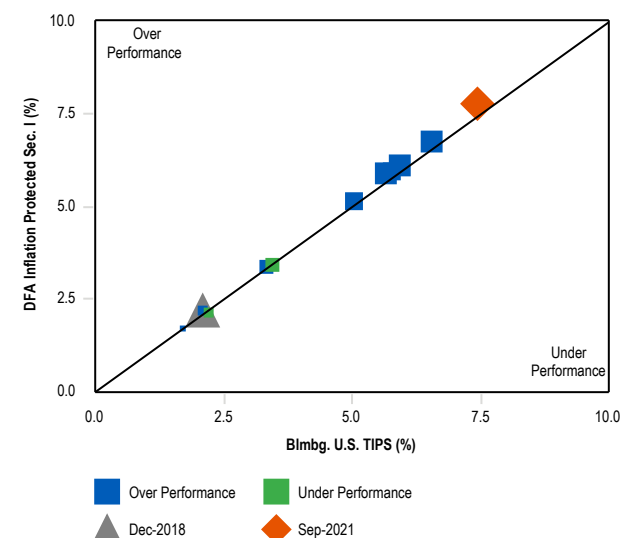
Fund Characteristics As of 03/31/2021

Avg. Coupon : 1.71 %
 Nominal Maturity : 8.12 Years
 Effective Maturity :
 Duration : 7.55 Years
 SEC 30 Day Yield : 0.6
 Avg. Credit Quality : AAA

Maturity Distribution As of 03/31/2021



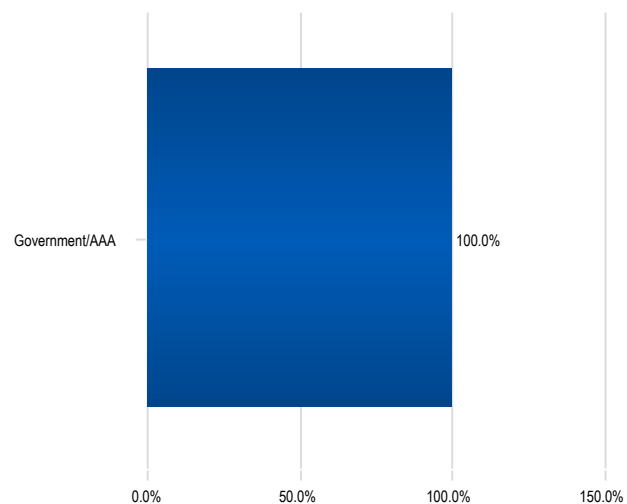
3 Year Rolling Under/Over Performance



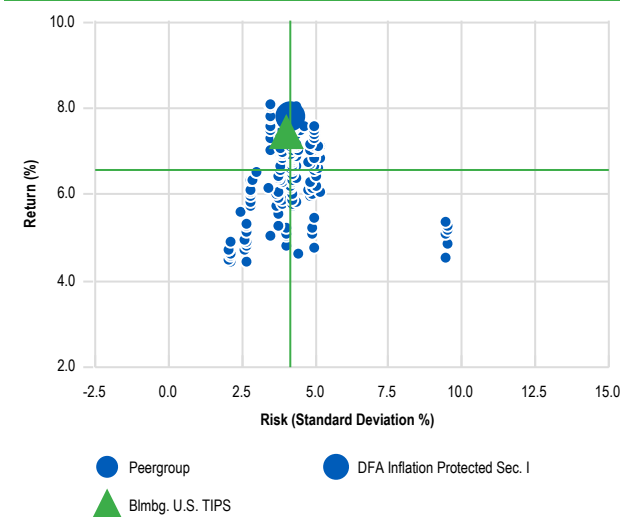
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.9	3.7
Beta	1.1	1.0
Sharpe Ratio	0.8	0.9
Information Ratio	0.1	-
Tracking Error	0.8	0.0
Consistency	50.0	0.0
Up Market Capture	106.5	100.0
Down Market Capture	113.3	100.0
R-Squared	1.0	1.0

Quality Allocation As of 03/31/2021



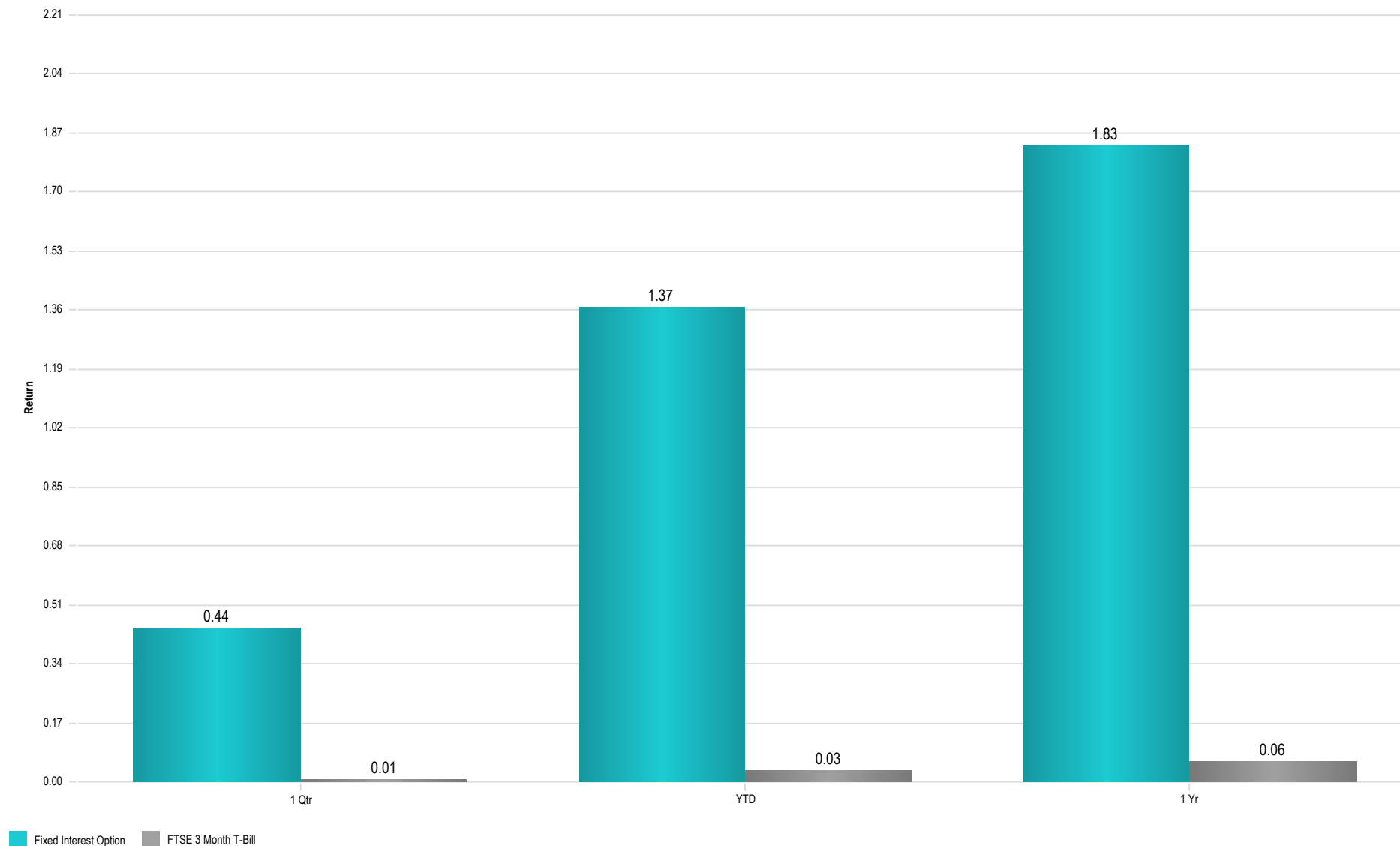
Peer Group Scattergram - 36 Months

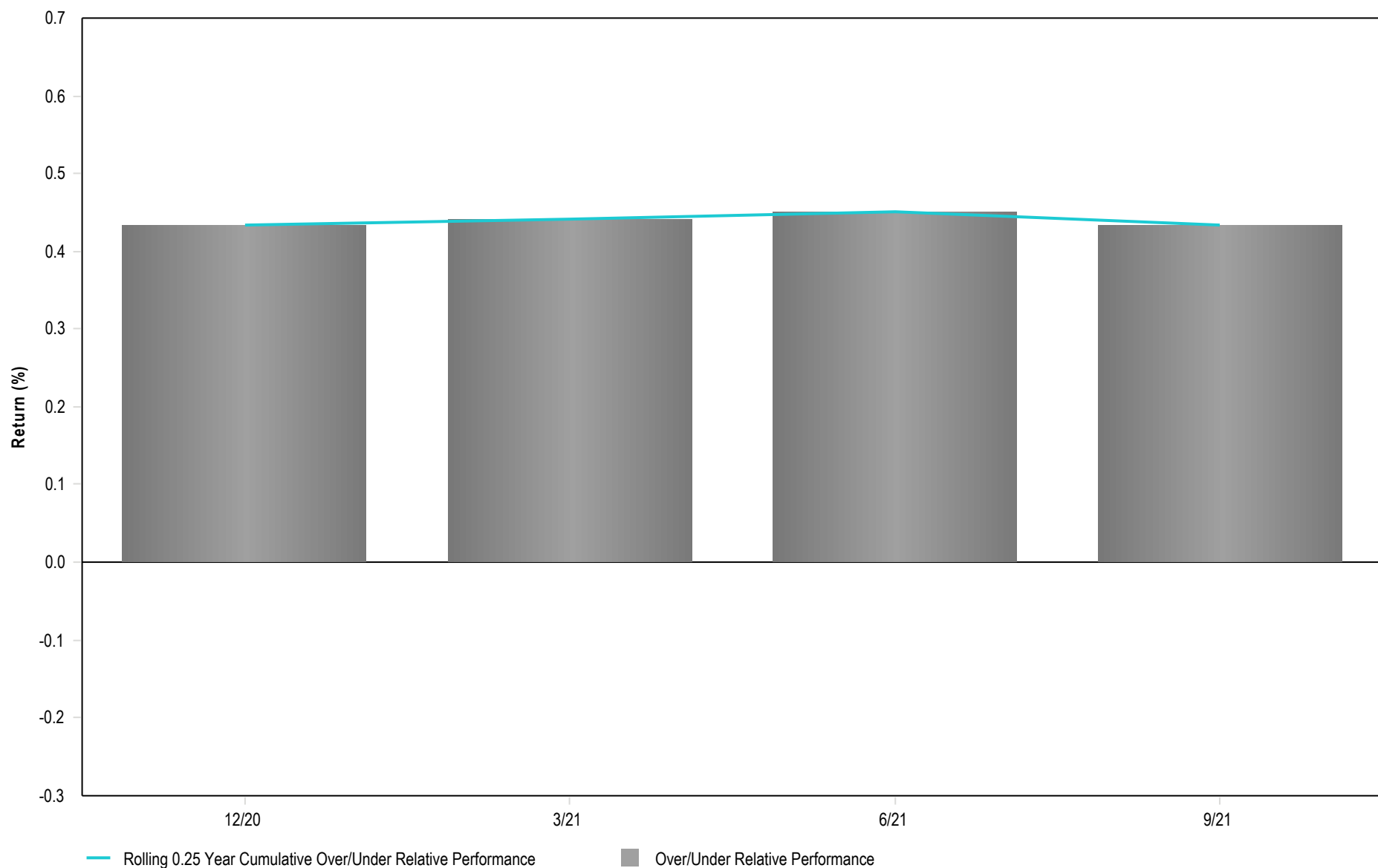


Fund Objective

The Fund seeks to provide inflation-protection and earn current income. The Fund will invest primarily in inflation-protected debt securities issued by the U.S. Treasury, but may also invest in inflation-protected debt securities issued by U.S. Government agencies and instrumentalities.

Comparative Performance

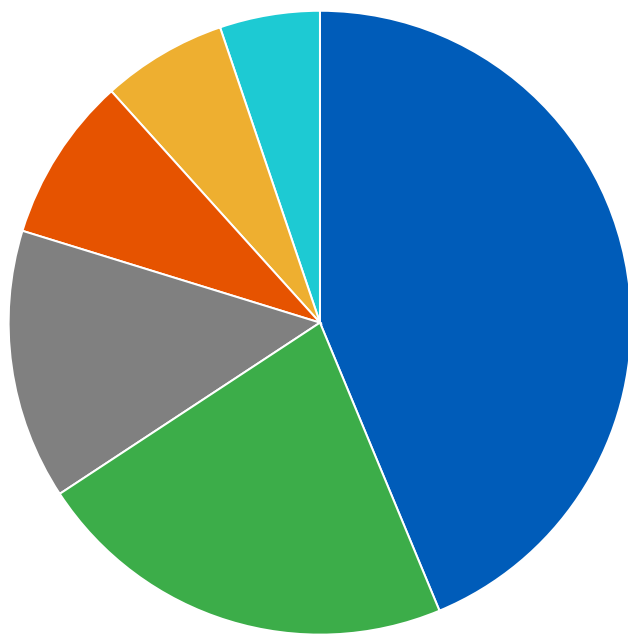




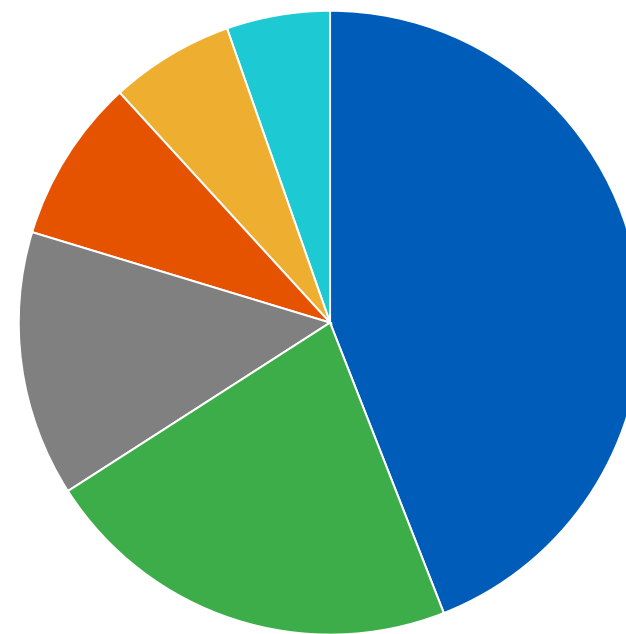
Empower (formerly MassMutual)

June 30, 2021 : \$546,185,393

September 30, 2021 : \$545,951,211

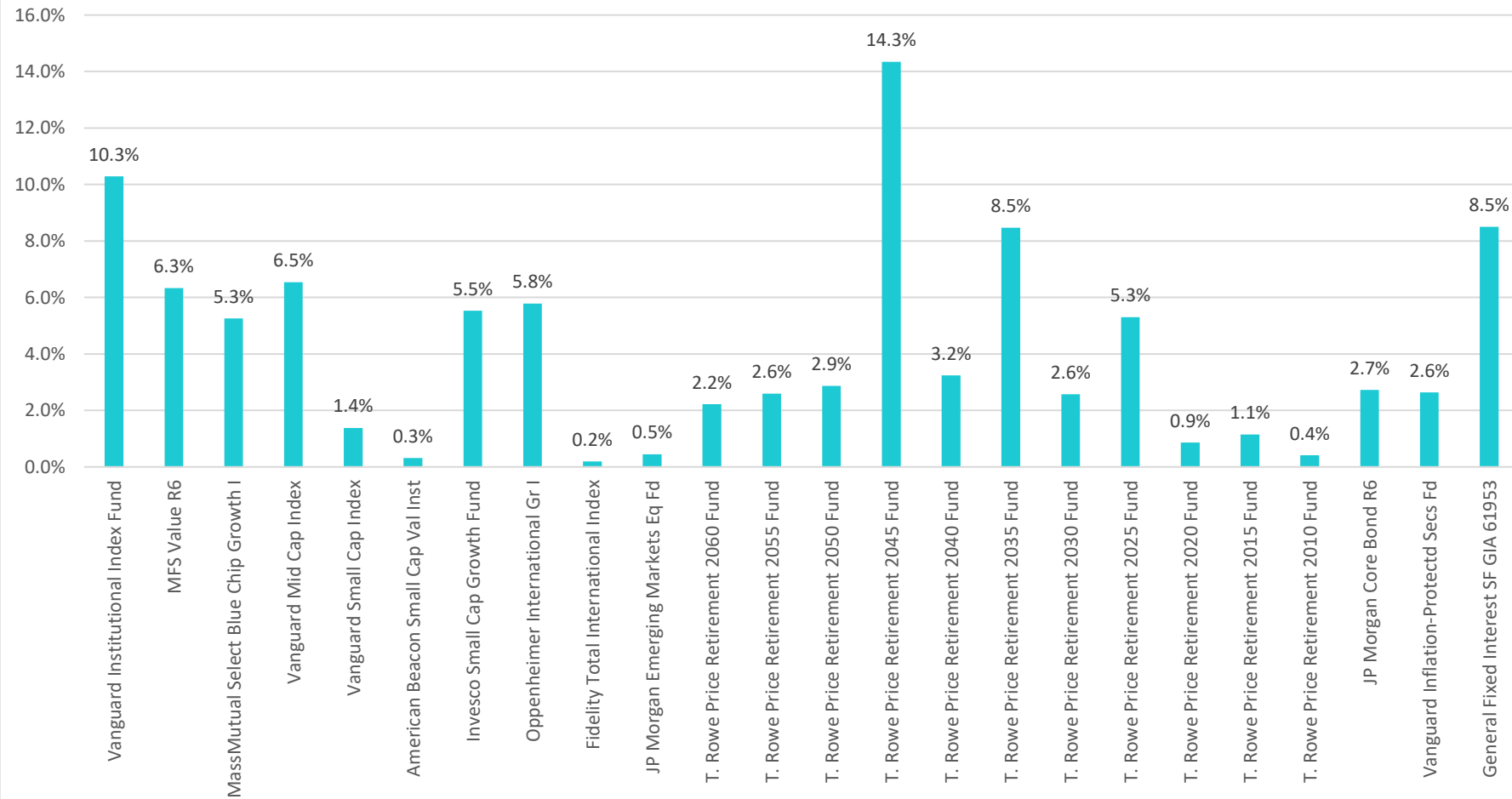


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	238,855,524	43.7
Domestic Equity : Large Cap Funds	120,303,349	22.0
Domestic Equity : Non-Large Cap Funds	76,489,229	14.0
Stable Value Fund	46,691,255	8.5
International Equity Funds	35,416,949	6.5
Fixed Income Funds	28,429,087	5.2

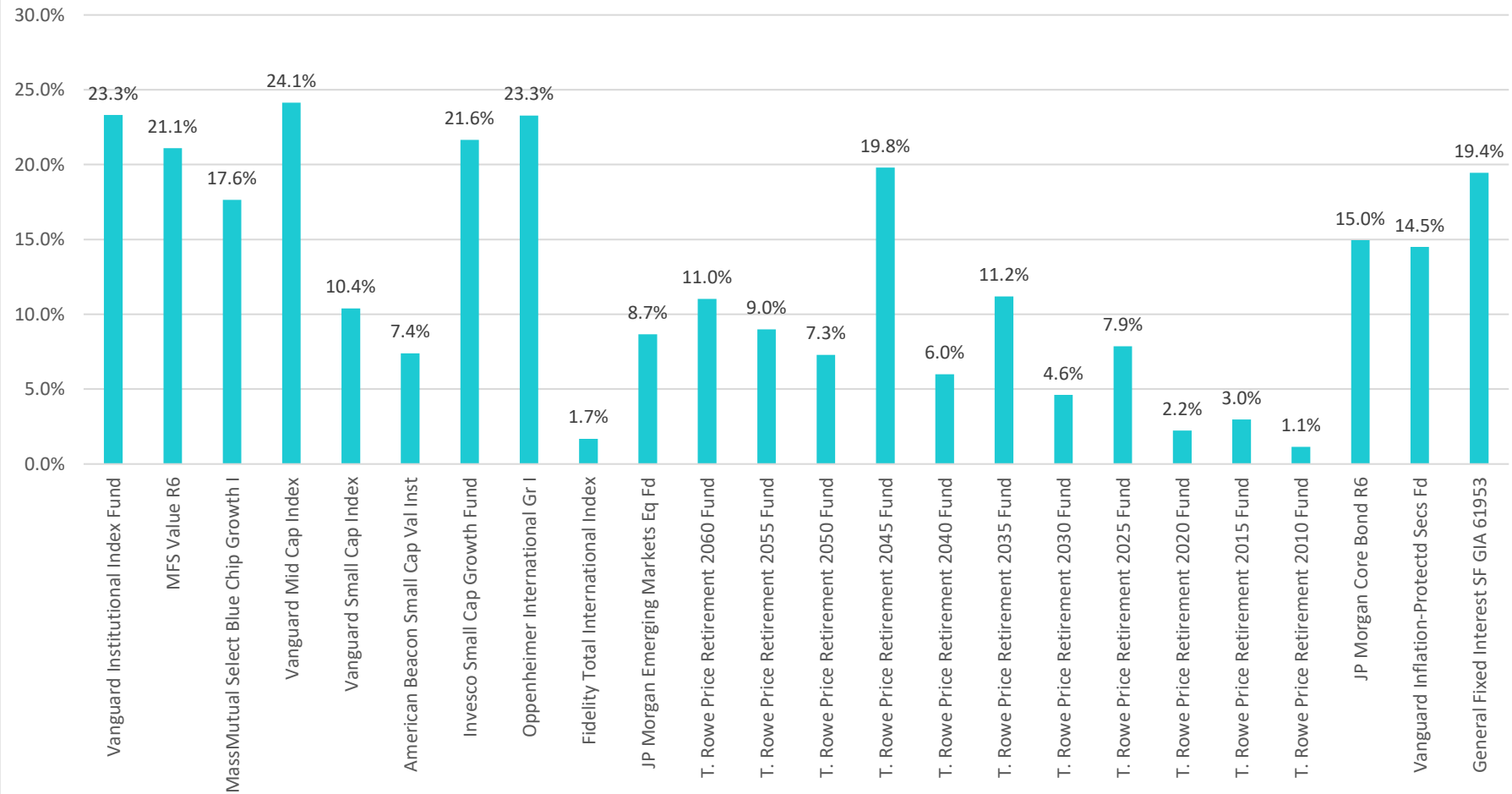


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	240,497,461	44.1
Domestic Equity : Large Cap Funds	119,430,422	21.9
Domestic Equity : Non-Large Cap Funds	75,137,780	13.8
Stable Value Fund	46,441,898	8.5
International Equity Funds	35,109,355	6.4
Fixed Income Funds	29,334,295	5.4

Empower (formerly MassMutual) Dollar Weighted Asset Allocation



Empower (formerly MassMutual) Participant Weighed Asset Allocation



State ORP

Empower (formerly MassMutual)

Fund Monitor

September 30, 2021

Fund	Performance				Risk Standard Deviation	Comment/Status
	3 Year vs Index	3 Year vs Peers	5 Year vs Index	5 Year vs Peers		
Vanguard Institutional Index Fund	Pass	N/A	Pass	N/A	Pass	
MFS Value R6	Pass	Pass	Pass	Pass	Pass	
MassMutual Select Blue Chip Growth I	Fail	Fail	Fail	Pass	Pass	Informal review
Vanguard Mid Cap Index	Pass	N/A	Pass	N/A	Pass	
Vanguard Small Cap Index	Pass	N/A	Pass	N/A	Pass	
American Beacon Small Cap Val Inst	Fail	Fail	Fail	Fail	Pass	Informal review
Invesco Small Cap Growth Fund	Pass	Pass	Pass	Pass	Pass	
Oppenheimer International Gr I	Pass	Pass	Pass	Fail	Pass	
Fidelity Total International Index	Fail	N/A	Fail	N/A	Pass	Informal review
JP Morgan Emerging Markets Eq Fd	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2060 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2055 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2050 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2045 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2040 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2035 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2030 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2025 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2020 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2015 Fund	Pass	Pass	Pass	Pass	Pass	
T. Rowe Price Retirement 2010 Fund	Pass	Pass	Pass	Pass	Pass	
JP Morgan Core Bond R6	Pass	Pass	Pass	Pass	Pass	
Vanguard Inflation-Protectd Secs Fd	Pass	N/A	Pass	N/A	Pass	
General Fixed Interest SF GIA 61953	Pass	N/A	Pass	N/A	Pass	

Index funds must return within 30 basis points of their respective benchmarks

Actively managed funds must outperform respective benchmarks

Actively managed funds must rank in the top half of their respective peer universes

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund Composite - Empower	545,951,211	100.0							
Domestic Equity : Large Cap Funds	119,430,422	21.9							
Vanguard Institutional Index Fund	56,179,475	10.3	0.6	15.9	30.0	16.0	16.9	14.0	16.6
<i>S&P 500</i>			0.6	15.9	30.0	16.0	16.9	14.0	16.6
IM U.S. Large Cap Core Equity (MF) Median			0.0	15.0	29.0	14.7	15.7	12.6	15.4
Vanguard Institutional Index Fund Rank			26	35	41	33	27	16	18
MFS Value R6	34,561,191	6.3	0.7	15.6	30.2	11.5	11.7	10.4	14.0
<i>Russell 1000 Value Index</i>			-0.8	16.1	35.0	10.1	10.9	9.3	13.5
IM U.S. Large Cap Value Equity (MF) Median			-0.7	16.9	35.6	9.7	11.3	9.0	12.9
MFS Value R6 Rank			10	62	81	18	37	13	17
MassMutual Select Blue Chip Growth I	28,689,756	5.3	-0.8	12.1	21.6	19.4	21.2	17.8	19.8
<i>Russell 1000 Growth Index</i>			1.2	14.3	27.3	22.0	22.8	18.5	19.7
IM U.S. Large Cap Growth Equity (MF) Median			0.5	13.0	26.0	20.6	21.2	17.1	18.5
MassMutual Select Blue Chip Growth I Rank			84	64	89	68	50	34	18
Domestic Equity : Non-Large Cap Funds	75,137,780	13.8							
Vanguard Mid Cap Index	35,682,581	6.5	0.0	15.3	36.1	14.8	14.6	12.4	15.6
<i>Vanguard Spliced Mid Cap Index</i>			0.0	15.3	36.1	14.8	14.6	12.4	15.6
IM U.S. Mid Cap Core Equity (MF) Median			-0.9	15.8	38.2	11.1	11.7	9.8	13.2
Vanguard Mid Cap Index Rank			25	56	67	9	13	12	6
Vanguard Small Cap Index	7,551,707	1.4	-2.6	13.4	44.1	12.0	14.0	12.0	15.3
<i>Vanguard Spliced Small Cap Index</i>			-2.6	13.3	44.0	12.0	14.0	12.0	15.3
IM U.S. Small Cap Core Equity (MF) Median			-2.3	17.3	49.9	9.1	11.8	10.4	13.5
Vanguard Small Cap Index Rank			59	77	81	16	14	18	11

State ORP

Total Fund Allocation and Performance

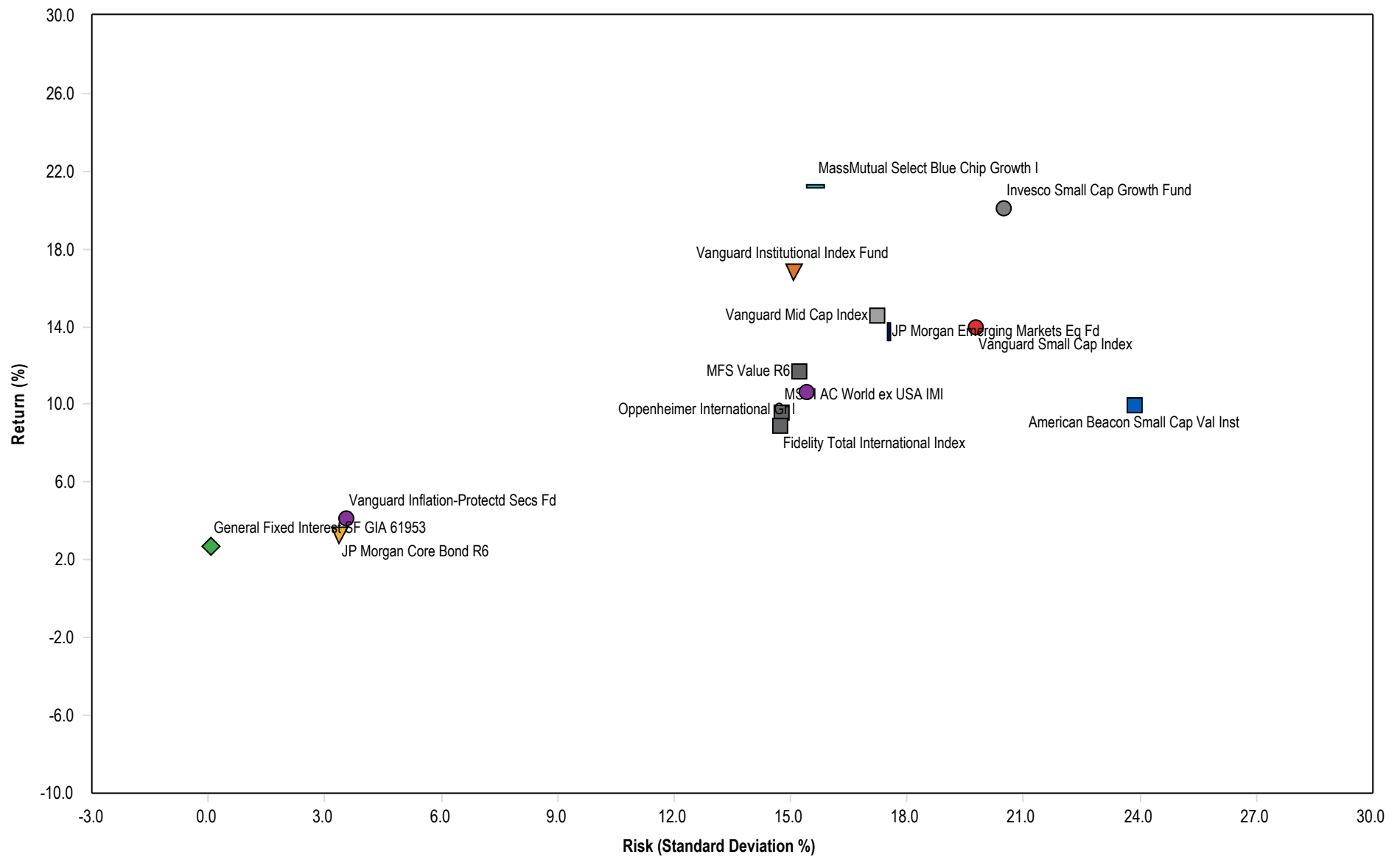
As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
American Beacon Small Cap Val Inst	1,700,126	0.3	-2.1	20.0	60.7	6.9	10.0	9.0	13.2
<i>Russell 2000 Value Index</i>			-3.0	22.9	63.9	8.6	11.0	10.2	13.2
IM U.S. Small Cap Value Equity (MF) Median			-2.1	23.6	63.5	8.2	10.0	8.7	12.6
American Beacon Small Cap Val Inst Rank			50	78	61	73	52	44	33
Invesco Small Cap Growth Fund	30,203,366	5.5	-1.6	7.4	40.9	18.6	20.1	16.1	
<i>Russell 2000 Growth Index</i>			-5.7	2.8	33.3	11.7	15.3	13.2	15.7
IM U.S. Small Cap Growth Equity (MF) Median			-2.3	8.2	36.9	14.2	17.7	14.4	16.2
Invesco Small Cap Growth Fund Rank			36	58	32	22	31	28	
International Equity Funds	35,109,355	6.4							
Oppenheimer International Gr I	31,577,228	5.8	0.7	7.9	24.0	13.3	10.6	8.4	10.3
<i>MSCI EAFE (Net)</i>			-0.4	8.3	25.7	7.6	8.8	5.8	8.1
IM International Large Cap Growth Equity (MF) Median			-1.7	5.5	20.6	11.5	10.8	7.5	9.1
Oppenheimer International Gr I Rank			3	16	25	17	53	31	16
Fidelity Total International Index	1,073,987	0.2	-3.0	6.3	24.2	8.2	8.9		
<i>MSCI AC World ex USA IMI</i>			-2.5	7.2	25.7	8.8	9.6	6.5	8.2
IM International Multi-Cap Growth Equity (MF) Median			-1.6	6.2	22.0	10.8	10.5	7.5	9.2
Fidelity Total International Index Rank			70	48	37	78	72		
JP Morgan Emerging Markets Eq Fd	2,458,140	0.5	-8.6	-5.5	15.1	16.5	13.7	9.5	
<i>MSCI EM (net)</i>			-8.1	-1.2	18.2	8.6	9.2	5.6	6.1
IM Emerging Markets Equity (MF) Median			-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
JP Morgan Emerging Markets Eq Fd Rank			65	88	74	9	8	7	
Target-Date Retirement Funds	240,497,461	44.1							
T Rowe Price Rtmt 2060	12,114,997	2.2	-0.9	12.1	29.4	14.1	13.8		
<i>S&P Target Date 2055 Index</i>			-0.8	11.3	27.5	11.5	12.3	10.0	12.3
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
T Rowe Price Rtmt 2060 Rank			18	13	3	1	3		

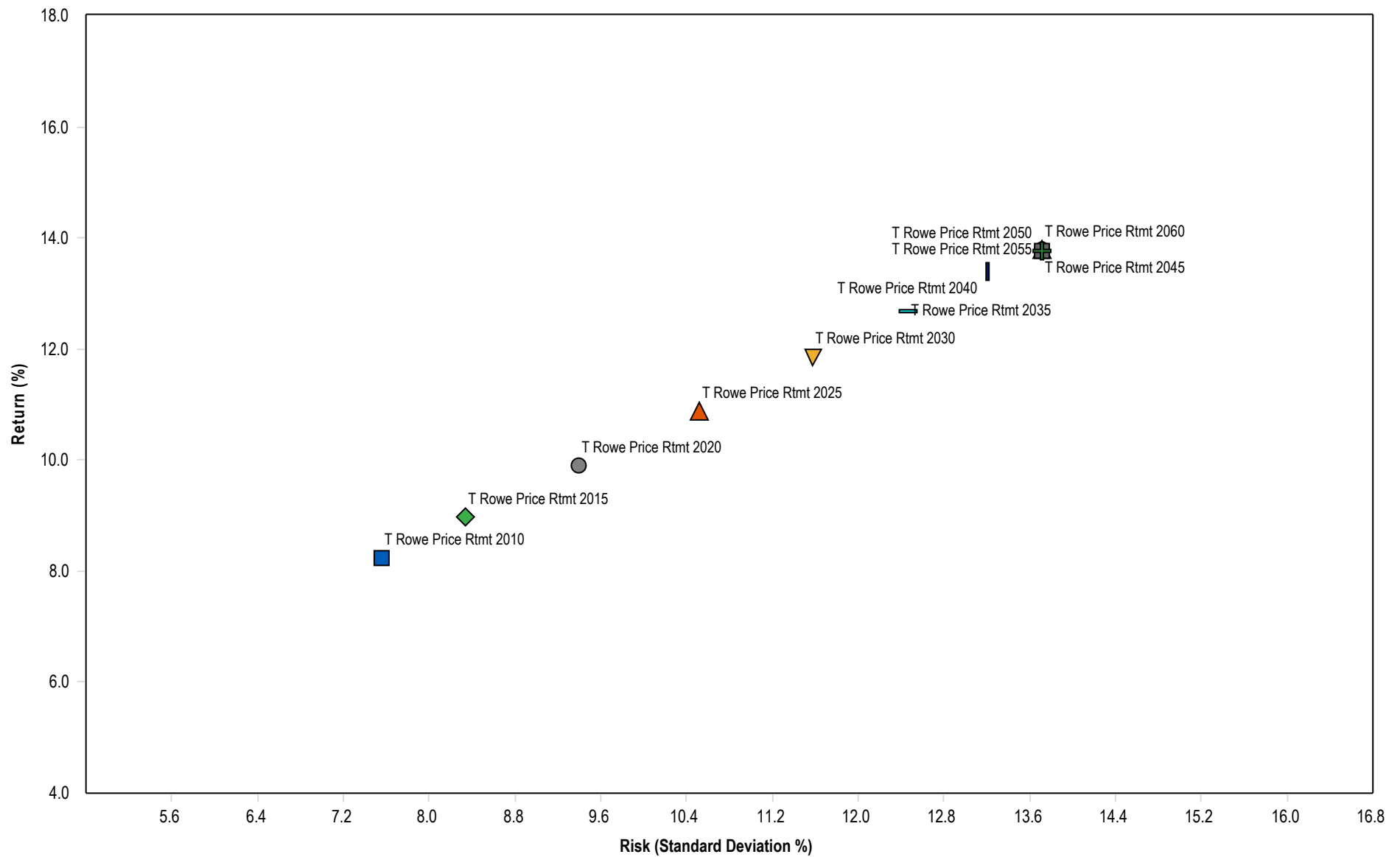
	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
T Rowe Price Rtmt 2055	14,196,861	2.6	-0.9	12.2	29.4	14.1	13.8		
S&P Target Date 2055 Index			-0.8	11.3	27.5	11.5	12.3	10.0	12.3
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
T Rowe Price Rtmt 2055 Rank			18	12	2	1	3		
T Rowe Price Rtmt 2050	15,664,570	2.9	-0.9	12.1	29.4	14.1	13.8		
S&P Target Date 2050+ Index			-0.8	11.1	27.1	11.4	12.2	9.9	12.2
IM Mixed-Asset Target 2050 (MF) Median			-1.2	10.6	26.8	12.0	12.3	9.8	12.0
T Rowe Price Rtmt 2050 Rank			22	9	3	1	3		
T Rowe Price Rtmt 2045	78,310,160	14.3	-0.8	12.1	29.3	14.0	13.8		
S&P Target Date 2045 Index			-0.8	10.8	26.4	11.3	11.9	9.7	11.9
IM Mixed-Asset Target 2045 (MF) Median			-1.1	10.4	25.9	11.9	12.1	9.6	11.7
T Rowe Price Rtmt 2045 Rank			22	6	1	1	1		
T Rowe Price Rtmt 2040	17,702,997	3.2	-0.8	11.5	27.8	13.6	13.4		
S&P Target Date 2040 Index			-0.7	10.2	25.0	11.0	11.5	9.5	11.5
IM Mixed-Asset Target 2040 (MF) Median			-1.0	9.7	24.1	11.4	11.6	9.3	11.4
T Rowe Price Rtmt 2040 Rank			30	7	8	1	2		
T Rowe Price Rtmt 2035	46,258,407	8.5	-0.6	10.6	25.6	12.9	12.7		
S&P Target Date 2035 Index			-0.6	9.2	22.6	10.4	10.9	9.0	11.0
IM Mixed-Asset Target 2035 (MF) Median			-0.9	8.6	21.7	10.8	10.9	8.8	10.8
T Rowe Price Rtmt 2035 Rank			27	5	2	1	3		
T Rowe Price Rtmt 2030	14,070,904	2.6	-0.5	9.5	23.1	12.2	11.9		
S&P Target Date 2030 Index			-0.5	7.8	19.2	9.6	9.9	8.3	10.2
IM Mixed-Asset Target 2030 (MF) Median			-0.7	7.3	18.1	10.0	10.0	8.1	10.1
T Rowe Price Rtmt 2030 Rank			27	1	1	1	1		

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
T Rowe Price Rtmnt 2025	28,961,901	5.3	-0.2	8.5	20.5	11.4	10.9		
S&P Target Date 2025 Index			-0.3	6.6	16.2	9.0	9.0	7.6	9.4
IM Mixed-Asset Target 2025 (MF) Median			-0.6	6.0	15.2	9.2	8.9	7.3	9.2
T Rowe Price Rtmnt 2025 Rank			19	1	1	1	1		
T Rowe Price Rtmnt 2020	4,729,209	0.9	-0.1	7.5	18.0	10.5	9.9		
S&P Target Date 2020 Index			-0.2	5.2	12.9	8.1	8.0	6.9	8.5
IM Mixed-Asset Target 2020 (MF) Median			-0.5	5.5	13.6	8.7	8.0	6.6	8.6
T Rowe Price Rtmnt 2020 Rank			17	1	1	2	1		
T Rowe Price Rtmnt 2015	6,254,683	1.1	-0.1	6.9	16.4	10.0	9.0		
S&P Target Date 2015 Index			-0.1	4.8	11.9	7.9	7.5	6.5	7.8
IM Mixed-Asset Target 2015 (MF) Median			-0.3	5.1	12.9	8.4	7.6	6.4	8.0
T Rowe Price Rtmnt 2015 Rank			14	1	1	1	1		
T Rowe Price Rtmnt 2010	2,232,772	0.4	0.0	6.3	14.9	9.5	8.2		
S&P Target Date 2010 Index			-0.1	4.0	10.2	7.6	6.8	5.9	6.8
IM Mixed-Asset Target 2010 (MF) Median			-0.3	4.0	10.6	7.9	6.9	5.9	7.1
T Rowe Price Rtmnt 2010 Rank			9	1	1	1	1		
Fixed Income Funds	29,334,295	5.4							
JP Morgan Core Bond R6	14,901,693	2.7	0.1	-0.9	0.3	5.8	3.3	3.6	3.3
Blmbg. U.S. Aggregate			0.1	-1.6	-0.9	5.4	2.9	3.3	3.0
IM U.S. Broad Market Core Fixed Income (MF) Median			0.0	-1.2	0.2	5.6	3.2	3.3	3.3
JP Morgan Core Bond R6 Rank			44	31	46	38	40	26	46
Vanguard Inflation-Protectd Secs Fd	14,432,602	2.6	1.7	3.4	5.1	7.3	4.2	3.8	3.0
Blmbg. U.S. TIPS			1.8	3.5	5.2	7.4	4.3	3.9	3.1
IM U.S. TIPS (MF) Median			1.6	3.5	5.4	6.6	3.8	3.1	2.5
Vanguard Inflation-Protectd Secs Fd Rank			34	55	59	24	33	18	19

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Stable Value Fund	46,441,898	8.5							
General Fixed Interest SF GIA 61953	46,441,898	8.5	0.5	1.7	2.3	2.6	2.7		
FTSE 3 Month T-Bill			0.0	0.0	0.1	1.1	1.1	0.8	0.6



Calculation based on monthly periodicity.



Calculation based on monthly periodicity.

State ORP (Empower - formerly MassMutual)

Fund Line-Up Statistics

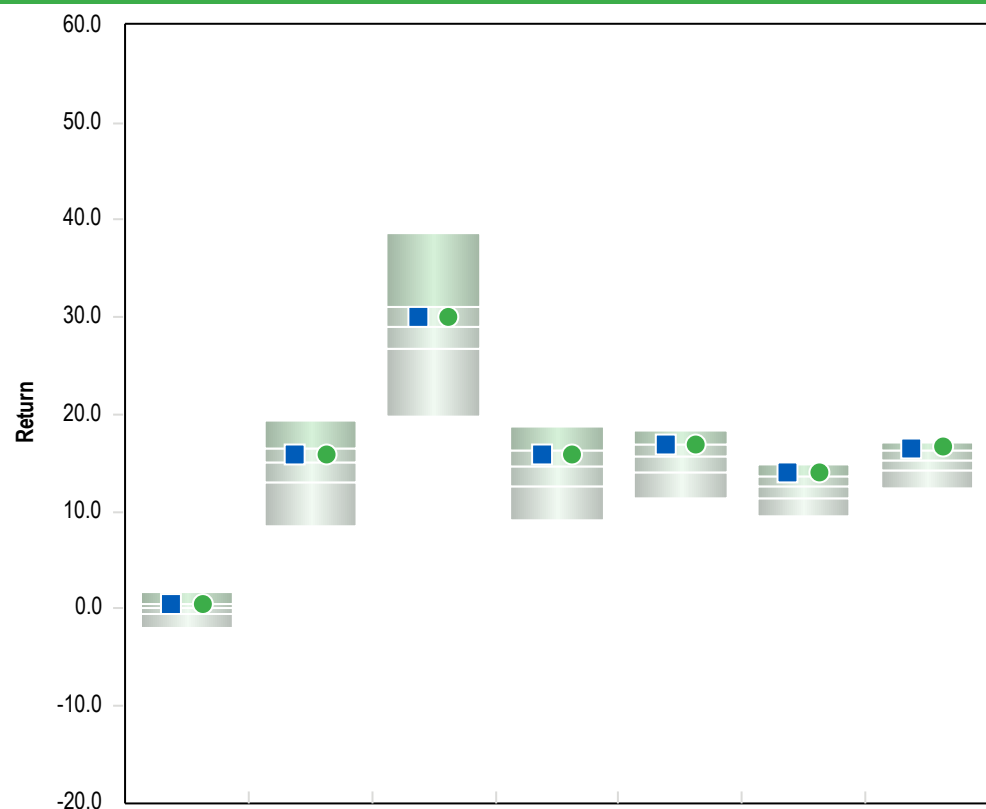
September 30, 2021

Fund	Ticker	Net Expense Ratio (%)	5-Year Standard Deviation (%)	Return (%) 1 Year	Return (%) 3 Years	Return (%) 5 Years
Domestic Equity						
Vanguard Institutional Index Fund	VINIX	0.04	15.1	30.0	16.0	16.9
MFS Value R6	MEIKX	0.47	15.2	30.2	11.5	11.7
MassMutual Select Blue Chip Growth I	MBCZX	0.63	15.6	21.6	19.4	21.2
Vanguard Mid Cap Index	VMCIX	0.04	17.2	36.1	14.8	14.6
Vanguard Small Cap Index	VSCIX	0.04	19.8	44.1	12.0	14.0
American Beacon Small Cap Val Inst	AVFIX	0.83	23.9	60.7	6.9	10.0
Invesco Small Cap Growth Fund	GTSFX	0.71	20.5	40.9	18.6	20.1
International Equity						
Oppenheimer International Gr I	OIGIX	0.69	15.4	24.0	13.3	10.6
Fidelity Total International Index	FTIHX	0.06	14.7	24.2	8.2	8.9
JP Morgan Emerging Markets Eq Fd	JEMWX	0.79	17.5	15.1	16.5	13.7
Target Date						
T. Rowe Price Retirement 2060 Fund	TRPLX	0.46	13.7	29.4	14.1	13.8
T. Rowe Price Retirement 2055 Fund	TRPNX	0.46	13.7	29.4	14.1	13.8
T. Rowe Price Retirement 2050 Fund	TRPMX	0.45	13.7	29.4	14.1	13.8
T. Rowe Price Retirement 2045 Fund	TRPKX	0.44	13.7	29.3	14.0	13.8
T. Rowe Price Retirement 2040 Fund	TRPDX	0.43	13.2	27.8	13.6	13.4
T. Rowe Price Retirement 2035 Fund	TRPJX	0.42	12.5	25.6	12.9	12.7
T. Rowe Price Retirement 2030 Fund	TRPCX	0.41	11.6	23.1	12.2	11.9
T. Rowe Price Retirement 2025 Fund	TRPHX	0.39	10.5	20.5	11.4	10.9
T. Rowe Price Retirement 2020 Fund	TRBRX	0.37	9.4	18.0	10.5	9.9
T. Rowe Price Retirement 2015 Fund	TRFGX	0.36	8.3	16.4	10.0	9.0
T. Rowe Price Retirement 2010 Fund	TRPAX	0.34	7.6	14.9	9.5	8.2
Fixed Income						
JP Morgan Core Bond R6	JCBUX	0.34	3.4	0.3	5.8	3.3
Vanguard Inflation-Protectd Secs Fd	VAIPX	0.10	3.6	5.1	7.3	4.2
MMF/Stable Value						
General Fixed Interest SF GIA 61953	N/A	0.00	0.1	2.3	2.6	2.7

Expense Ratio and Standard Deviation: Lower is better

Return: Higher is better

IM U.S. Large Cap Core Equity (MF)



■ Vanguard Institutional Index Fund
● S&P 500

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	0.6 (26)	15.9 (35)	30.0 (41)	16.0 (33)	16.9 (27)	14.0 (16)	16.6 (18)
	0.6 (25)	15.9 (34)	30.0 (40)	16.0 (32)	16.9 (27)	14.0 (16)	16.6 (16)

5th Percentile	1.8	19.5	38.7	18.8	18.4	14.8	17.2
1st Quartile	0.6	16.6	31.2	16.4	16.9	13.6	16.3
Median	0.0	15.0	29.0	14.7	15.7	12.6	15.4
3rd Quartile	-0.5	13.0	26.8	12.7	14.0	11.4	14.2
95th Percentile	-1.9	8.5	19.9	9.0	11.4	9.6	12.4

Population	799	778	754	673	583	519	451
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.8	12.8
Minimum Return	-12.3	-12.4
Return	16.0	16.0
Cumulative Return	56.0	56.1
Active Return	0.0	0.0
Excess Return	15.5	15.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

Standard Deviation	18.6	18.6
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-1.7	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

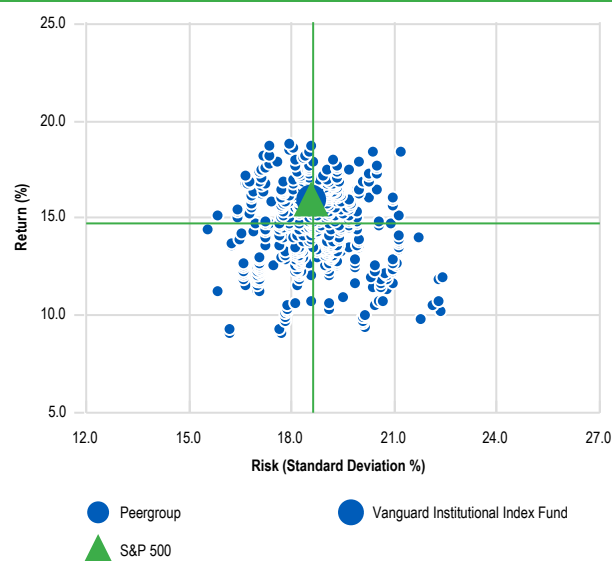
Fund Information

Product Name : Vanguard Instl Indx;Inst (VINIX)
 Fund Family : Vanguard Group Inc
 Ticker : VINIX
 Peer Group : IM U.S. Large Cap Core Equity (MF)
 Benchmark : S&P 500
 Fund Inception : 07/31/1990
 Portfolio Manager : Butler/Louie
 Total Assets : \$126,548 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 4%

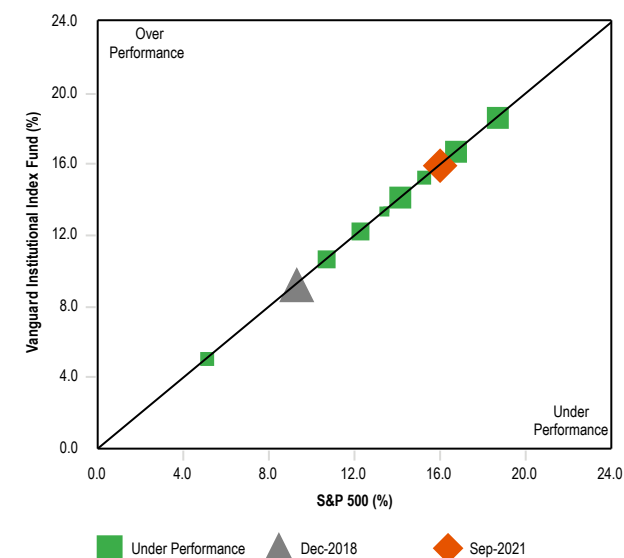
Fund Characteristics As of 04/30/2021

Total Securities 508
 Avg. Market Cap \$496,448 Million
 P/E 35.5
 P/B 10.4
 Div. Yield 1.8%
 Annual EPS 8.8
 5Yr EPS 16.8
 3Yr EPS Growth 15.8

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



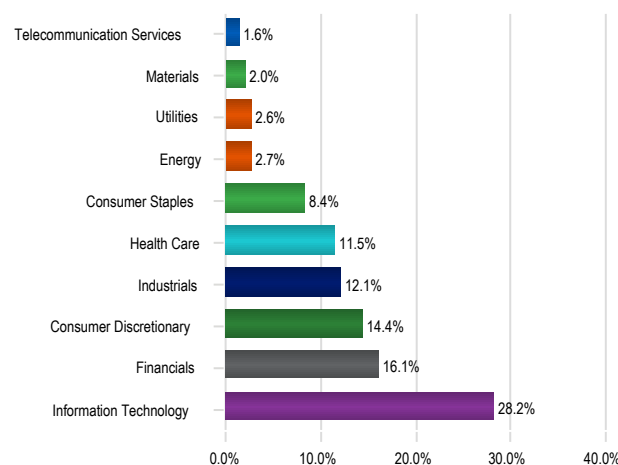
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.1	15.1
Beta	1.0	1.0
Sharpe Ratio	1.0	1.0
Information Ratio	-2.4	-
Tracking Error	0.0	0.0
Consistency	16.7	0.0
Up Market Capture	99.9	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

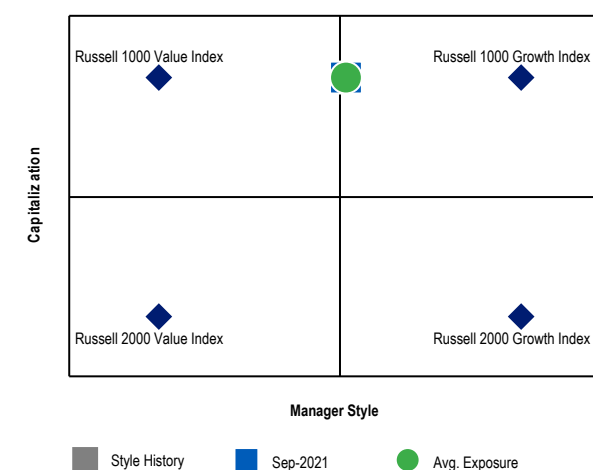
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of large-capitalization stocks. The Fund employs an indexing investment approach designed to track the performance of the Standard & Poors 500 Index by investing all of its assets in the stocks that make up the Index.

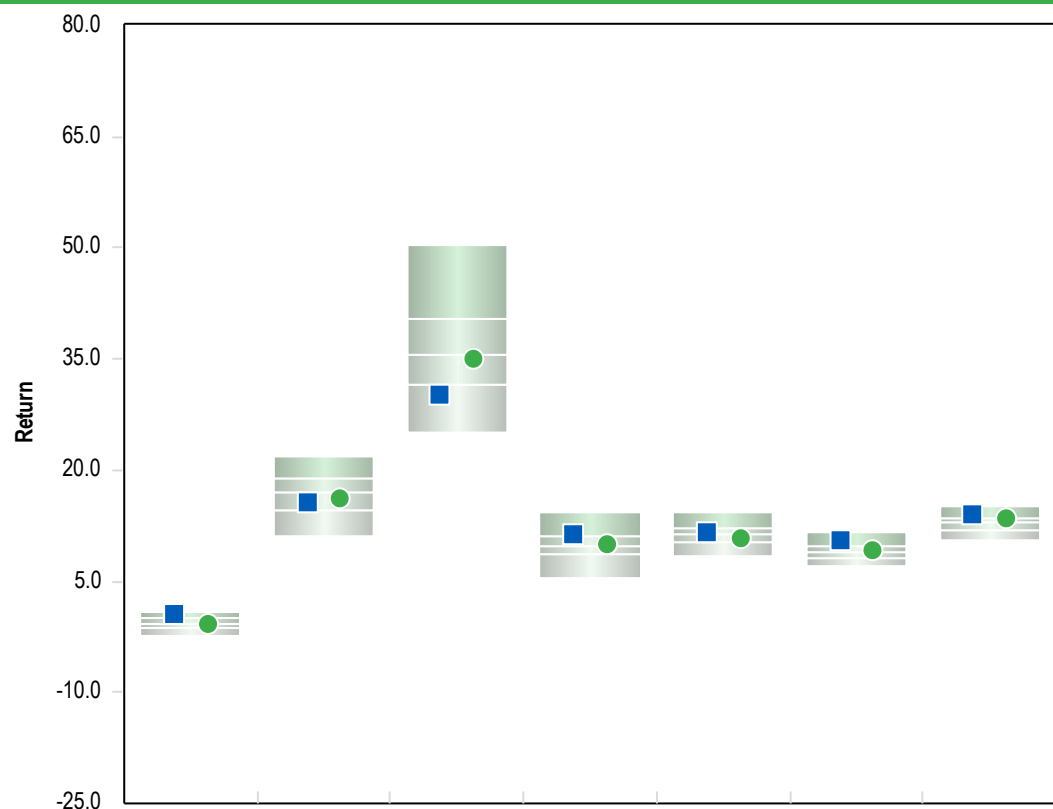
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Large Cap Value Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ MFS Value R6	0.7 (10)	15.6 (62)	30.2 (81)	11.5 (18)	11.7 (37)	10.4 (13)	14.0 (17)
● Russell 1000 Value Index	-0.8 (54)	16.1 (57)	35.0 (53)	10.1 (41)	10.9 (59)	9.3 (38)	13.5 (29)

5th Percentile	0.8	21.9	50.3	14.2	14.4	11.5	15.0
1st Quartile	0.0	18.9	40.5	11.0	12.1	9.7	13.6
Median	-0.7	16.9	35.6	9.7	11.3	9.0	12.9
3rd Quartile	-1.4	14.7	31.5	8.6	10.2	8.2	12.0
95th Percentile	-2.4	11.1	25.1	5.4	8.3	7.0	10.6

Population	484	473	470	441	403	355	310
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.6	13.5
Minimum Return	-14.7	-17.1
Return	11.5	10.1
Cumulative Return	38.5	33.4
Active Return	1.0	0.0
Excess Return	11.5	10.5

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	99.2	100.0
Down Market Capture	94.0	100.0

Risk / Return Summary Statistics

Standard Deviation	18.5	19.9
Alpha	1.9	0.0
Active Return/Risk	0.1	0.0
Tracking Error	3.1	0.0
Information Ratio	0.3	-
Sharpe Ratio	0.6	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

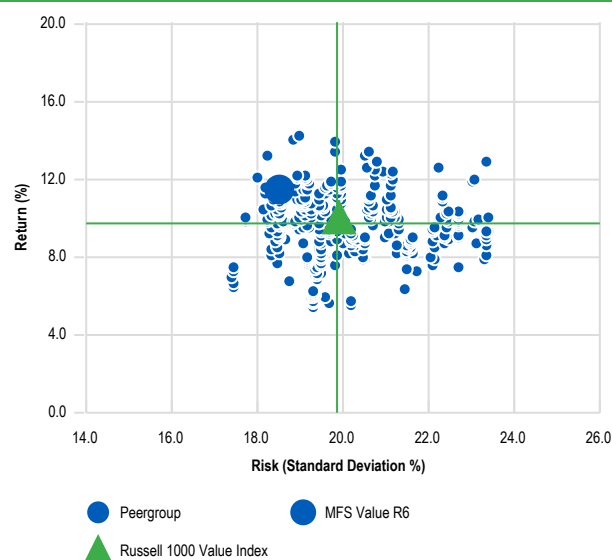
Fund Information

Product Name : MFS Value R6 (MEIKX)
 Fund Family : MFS Investment Management
 Ticker : MEIKX
 Peer Group : IM U.S. Large Cap Value Equity (MF)
 Benchmark : Russell 1000 Value Index
 Fund Inception : 05/01/2006
 Portfolio Manager : Chitkara/Cannan
 Total Assets : \$21,672 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 16%

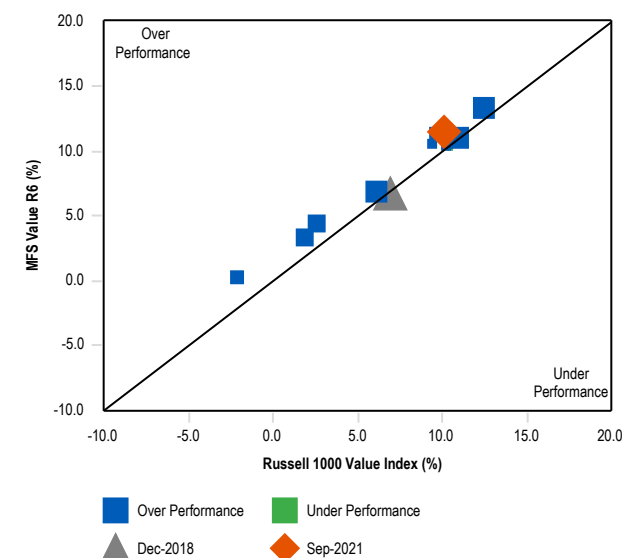
Fund Characteristics As of 04/30/2021

Total Securities 77
 Avg. Market Cap \$139,491 Million
 P/E 29.7
 P/B 6.6
 Div. Yield 2.0%
 Annual EPS 0.8
 5Yr EPS 5.5
 3Yr EPS Growth 6.9

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



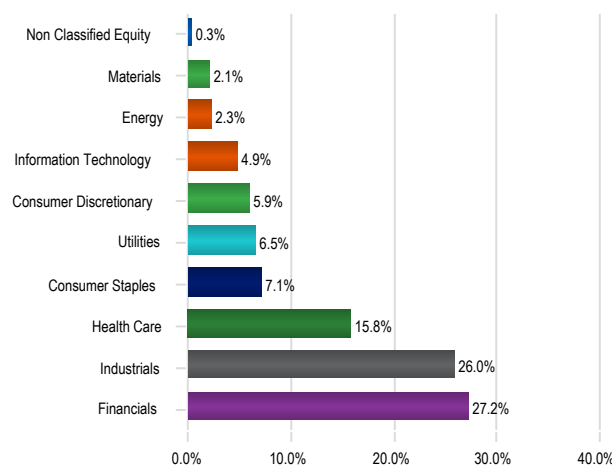
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.2	16.2
Beta	0.9	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	0.2	-
Tracking Error	2.9	0.0
Consistency	60.0	0.0
Up Market Capture	97.8	100.0
Down Market Capture	92.3	100.0
R-Squared	1.0	1.0

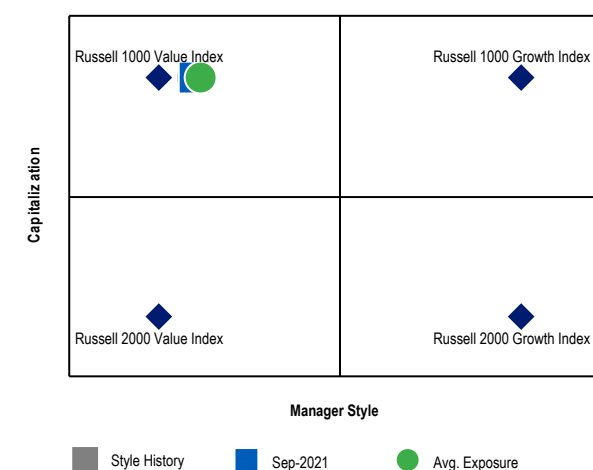
Fund Objective

The Fund seeks capital appreciation and reasonable income. The Fund invests, under normal market conditions, at least 65% of its net assets in equity securities of companies which the adviser believes are undervalued in the market relative to their long term potential.

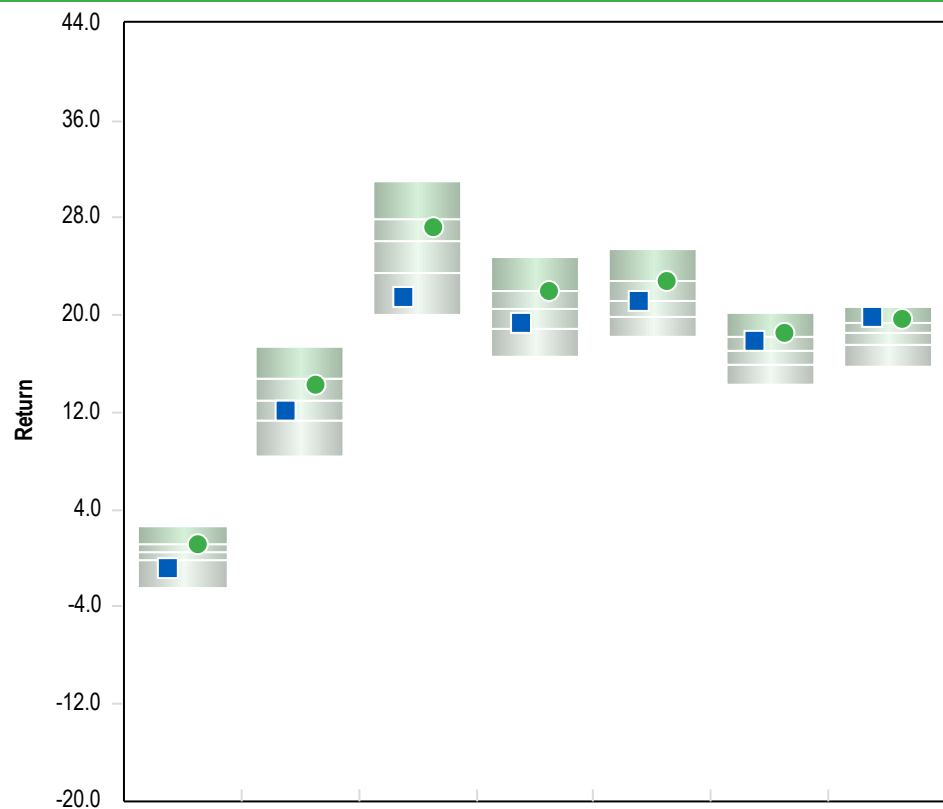
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Large Cap Growth Equity (MF)



■ MassMutual Select Blue Chip Growth I
● Russell 1000 Growth Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
MassMutual Select Blue Chip Growth I	-0.8 (84)	12.1 (64)	21.6 (89)	19.4 (68)	21.2 (50)	17.8 (34)	19.8 (18)
Russell 1000 Growth Index	1.2 (24)	14.3 (33)	27.3 (33)	22.0 (25)	22.8 (24)	18.5 (19)	19.7 (20)

5th Percentile	2.6	17.4	31.0	24.8	25.4	20.2	20.7
1st Quartile	1.1	14.8	27.9	22.0	22.8	18.2	19.4
Median	0.5	13.0	26.0	20.6	21.2	17.1	18.5
3rd Quartile	-0.2	11.4	23.5	18.8	19.8	16.0	17.6
95th Percentile	-2.4	8.4	20.0	16.7	18.3	14.4	15.8

Population	660	653	650	592	535	483	418
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.7	14.8
Minimum Return	-8.9	-9.8
Return	19.4	22.0
Cumulative Return	70.4	81.6
Active Return	-2.4	0.0
Excess Return	18.5	20.8

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	90.9	100.0
Down Market Capture	92.8	100.0

Risk / Return Summary Statistics

Standard Deviation	18.8	19.9
Alpha	-0.8	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	3.5	0.0
Information Ratio	-0.7	-
Sharpe Ratio	1.0	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

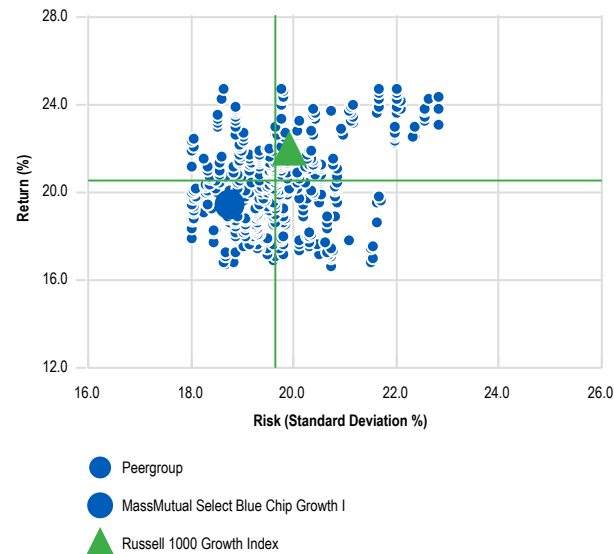
Fund Information

Product Name : MassMutual S:BI Ch:I (MBCZX)
 Fund Family : MML Investment Advisers LLC
 Ticker : MBCZX
 Peer Group : IM U.S. Large Cap Growth Equity (MF)
 Benchmark : Russell 1000 Growth Index
 Fund Inception : 04/01/2014
 Portfolio Manager : Puglia/Hamzaogullari
 Total Assets : \$2,881 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.6%
 Turnover : 28%

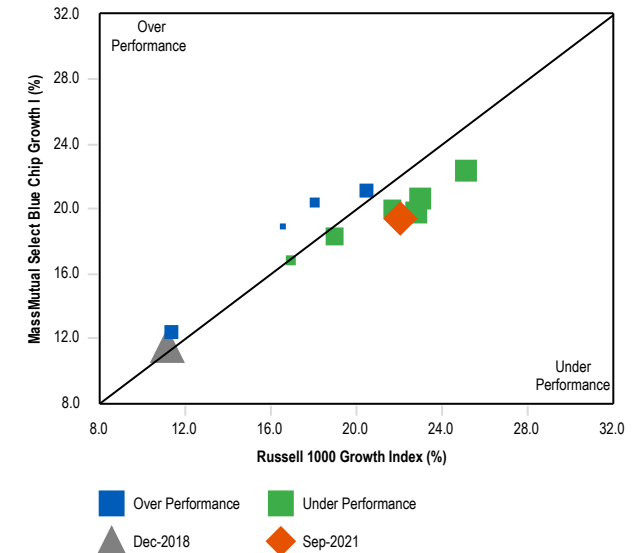
Fund Characteristics As of 04/30/2021

Total Securities 151
 Avg. Market Cap \$589,589 Million
 P/E 42.1
 P/B 12.6
 Div. Yield 0.9%
 Annual EPS 25.9
 5Yr EPS 32.1
 3Yr EPS Growth 28.8

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



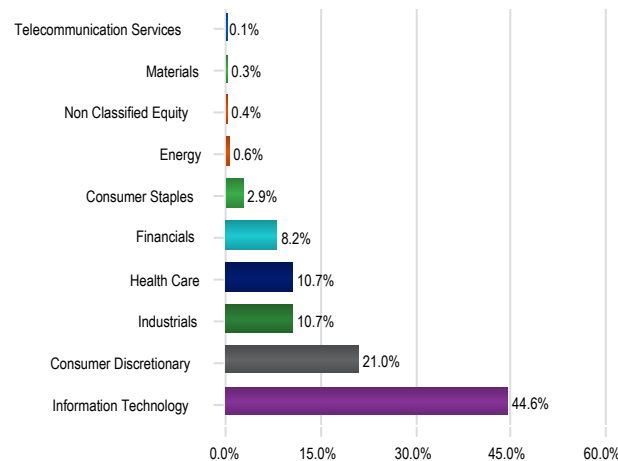
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.6	16.3
Beta	0.9	1.0
Sharpe Ratio	1.2	1.3
Information Ratio	-0.4	-
Tracking Error	3.6	0.0
Consistency	38.3	0.0
Up Market Capture	92.7	100.0
Down Market Capture	91.4	100.0
R-Squared	1.0	1.0

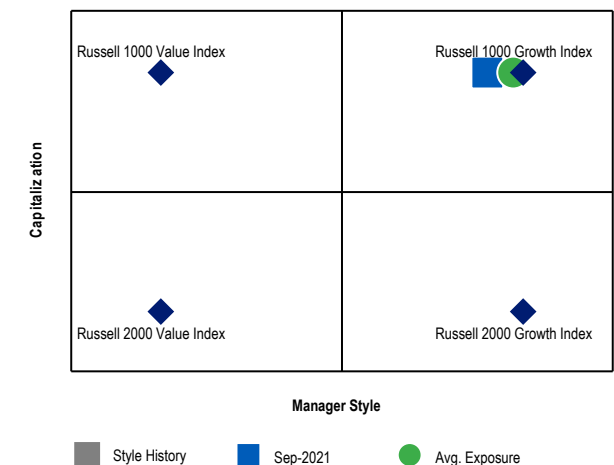
Fund Objective

The Fund seeks to achieve its objective by investing primarily in common stocks of well-known and established companies. Under normal conditions, at least 65% of the Fund's total assets will be invested in blue chip companies.

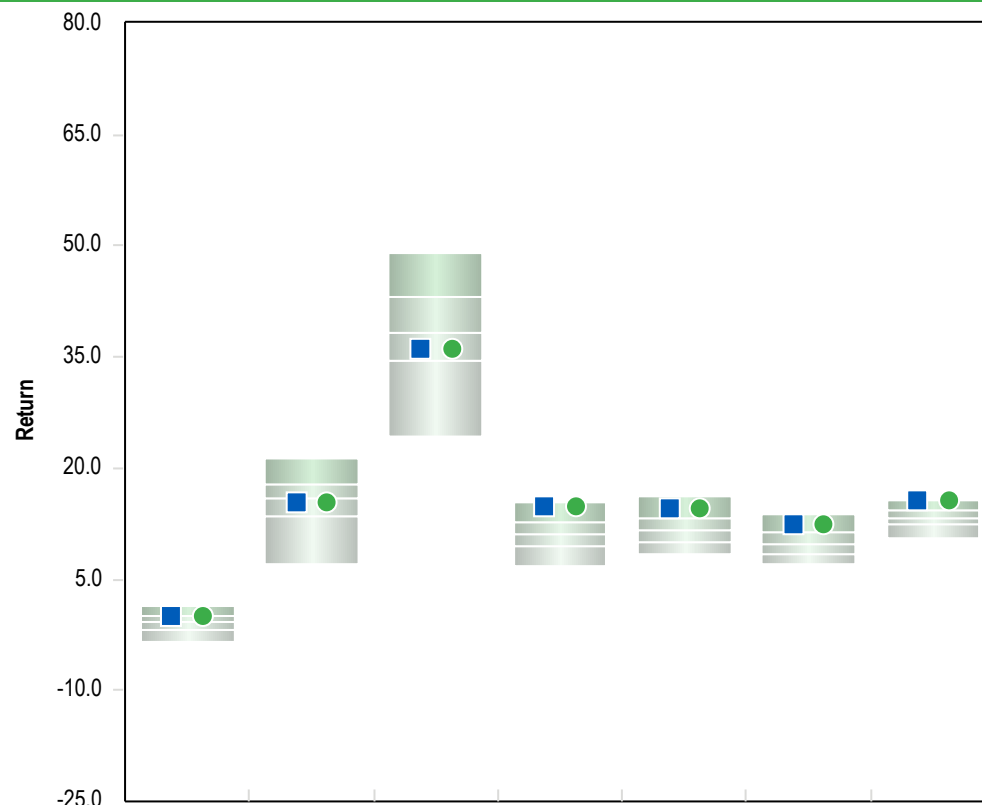
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Mid Cap Core Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Vanguard Mid Cap Index	0.0 (25)	15.3 (56)	36.1 (67)	14.8 (9)	14.6 (13)	12.4 (12)	15.6 (6)
● Vanguard Spliced Mid Cap Index	0.0 (26)	15.3 (57)	36.1 (67)	14.8 (9)	14.6 (12)	12.4 (11)	15.6 (5)

5th Percentile	1.4	21.4	49.0	15.4	16.1	13.7	15.6
1st Quartile	0.0	17.8	43.1	12.7	13.4	11.4	14.4
Median	-0.9	15.8	38.2	11.1	11.7	9.8	13.2
3rd Quartile	-1.8	13.6	34.5	9.4	10.1	8.5	12.5
95th Percentile	-3.5	7.1	24.3	6.8	8.5	7.0	10.4

Population	318	308	307	292	259	203	167
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	14.4	14.4
Minimum Return	-18.4	-18.4
Return	14.8	14.8
Cumulative Return	51.1	51.1
Active Return	0.0	0.0
Excess Return	15.0	15.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.9	100.0
Down Market Capture	99.9	100.0

Risk / Return Summary Statistics

Standard Deviation	21.5	21.5
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-0.2	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

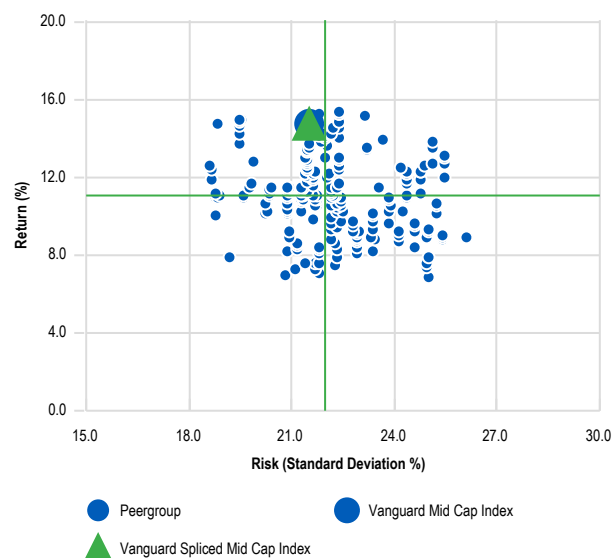
Fund Information

Product Name : Vanguard Md-Cp I;Inst (VMCIX)
 Fund Family : Vanguard Group Inc
 Ticker : VMCIX
 Peer Group : IM U.S. Mid Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Mid Cap Index
 Fund Inception : 05/20/1998
 Portfolio Manager : Butler/Johnson
 Total Assets : \$24,717 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 26%

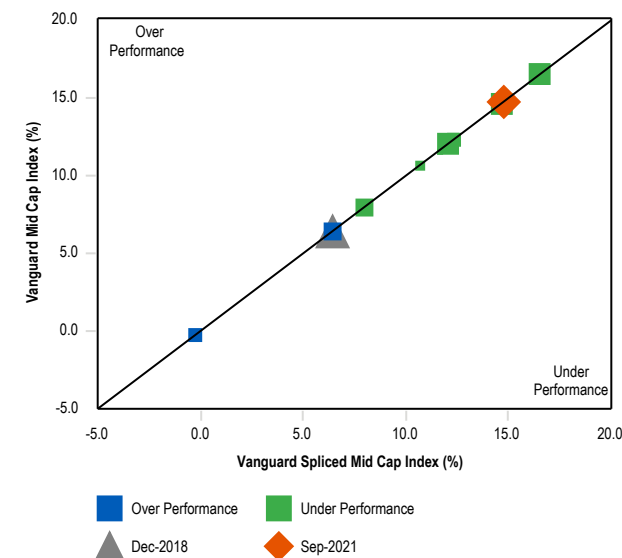
Fund Characteristics As of 04/30/2021

Total Securities 367
 Avg. Market Cap \$26,322 Million
 P/E 36.6
 P/B 7.9
 Div. Yield 1.9%
 Annual EPS 1.1
 5Yr EPS 12.4
 3Yr EPS Growth 13.2

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



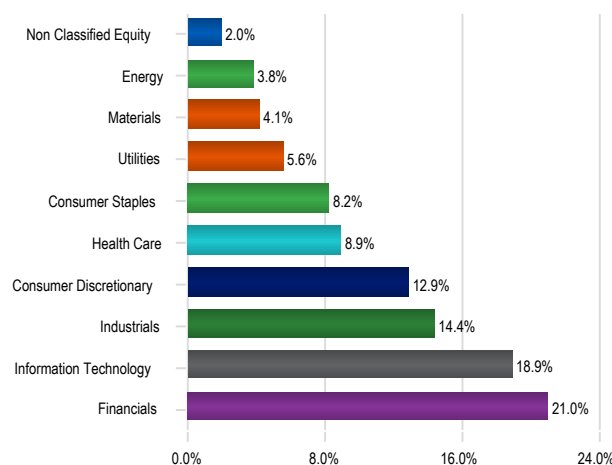
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	17.2	17.2
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	-0.2	-
Tracking Error	0.0	0.0
Consistency	43.3	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

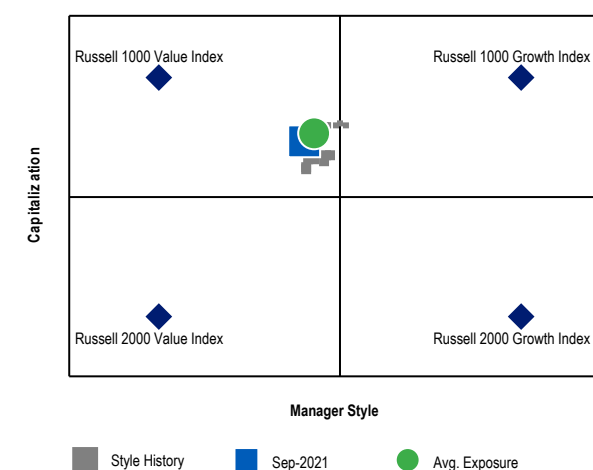
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of mid-capitalization stocks.

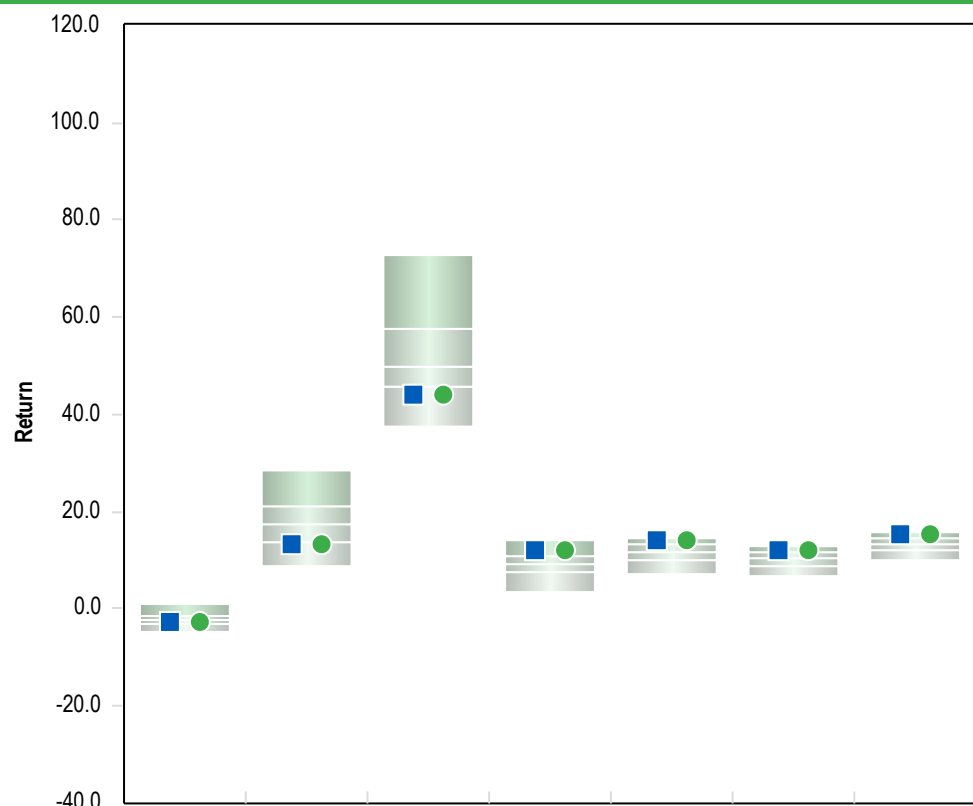
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Small Cap Core Equity (MF)



■ Vanguard Small Cap Index	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-2.6 (59)	13.4 (77)	44.1 (81)	12.0 (16)	14.0 (14)	12.0 (18)	15.3 (11)
● Vanguard Spliced Small Cap Index	-2.6 (59)	13.3 (77)	44.0 (81)	12.0 (16)	14.0 (15)	12.0 (19)	15.3 (11)

5th Percentile	0.8	28.6	73.0	14.1	14.6	12.7	15.9
1st Quartile	-1.2	21.2	57.6	10.7	13.4	11.7	14.6
Median	-2.3	17.3	49.9	9.1	11.8	10.4	13.5
3rd Quartile	-3.3	13.7	45.9	7.5	10.1	9.0	12.3
95th Percentile	-4.8	8.9	37.6	3.5	7.2	6.9	10.1

Population	752	741	736	700	621	518	428
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	16.0	16.0
Minimum Return	-21.9	-21.9
Return	12.0	12.0
Cumulative Return	40.5	40.4
Active Return	0.0	0.0
Excess Return	13.3	13.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.1	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

Standard Deviation	24.3	24.3
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	1.0	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

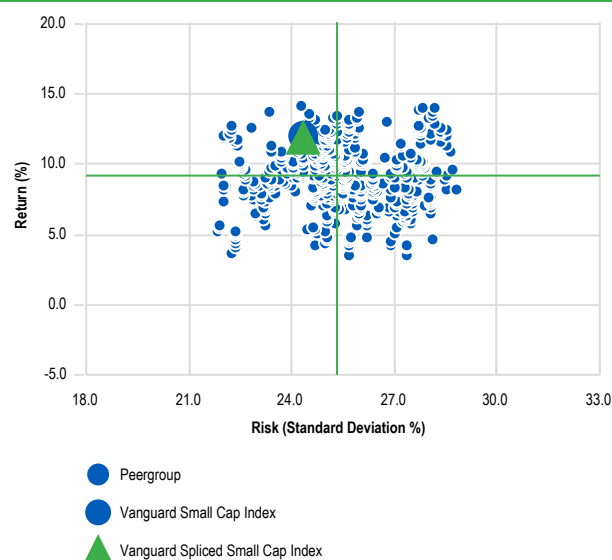
Fund Information

Product Name : Vanguard S-C Id:Inst (VSCIX)
 Fund Family : Vanguard Group Inc
 Ticker : VSCIX
 Peer Group : IM U.S. Small Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Small Cap Index
 Fund Inception : 07/07/1997
 Portfolio Manager : Coleman/O'Reilly
 Total Assets : \$22,260 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 22%

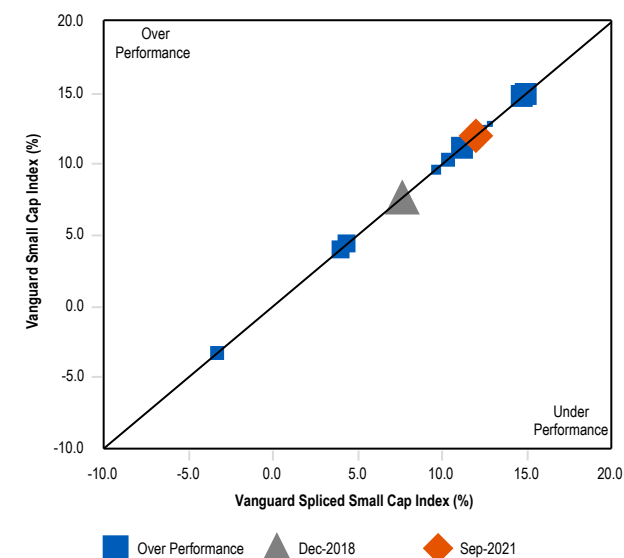
Fund Characteristics As of 04/30/2021

Total Securities 1,470
 Avg. Market Cap \$7,379 Million
 P/E 35.0
 P/B 6.4
 Div. Yield 1.9%
 Annual EPS -0.7
 5Yr EPS 9.8
 3Yr EPS Growth 10.7

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



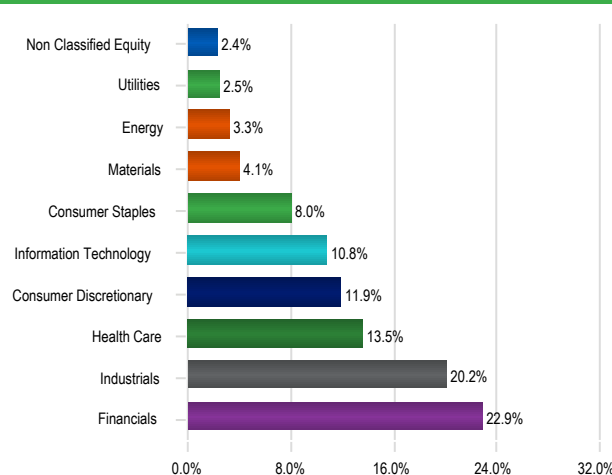
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	19.8	19.8
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	1.1	-
Tracking Error	0.0	0.0
Consistency	63.3	0.0
Up Market Capture	100.1	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

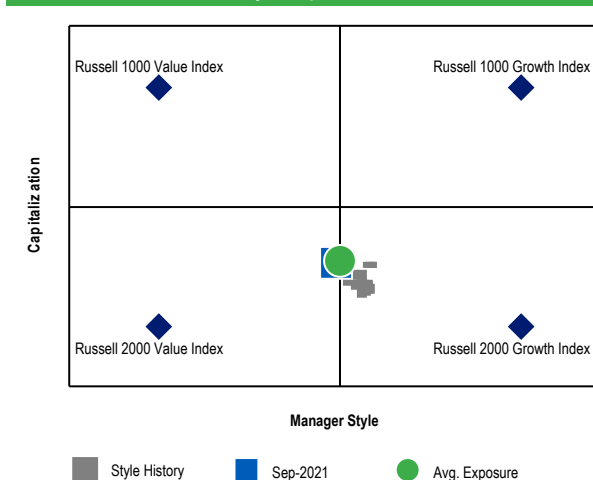
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of small-capitalization stocks.

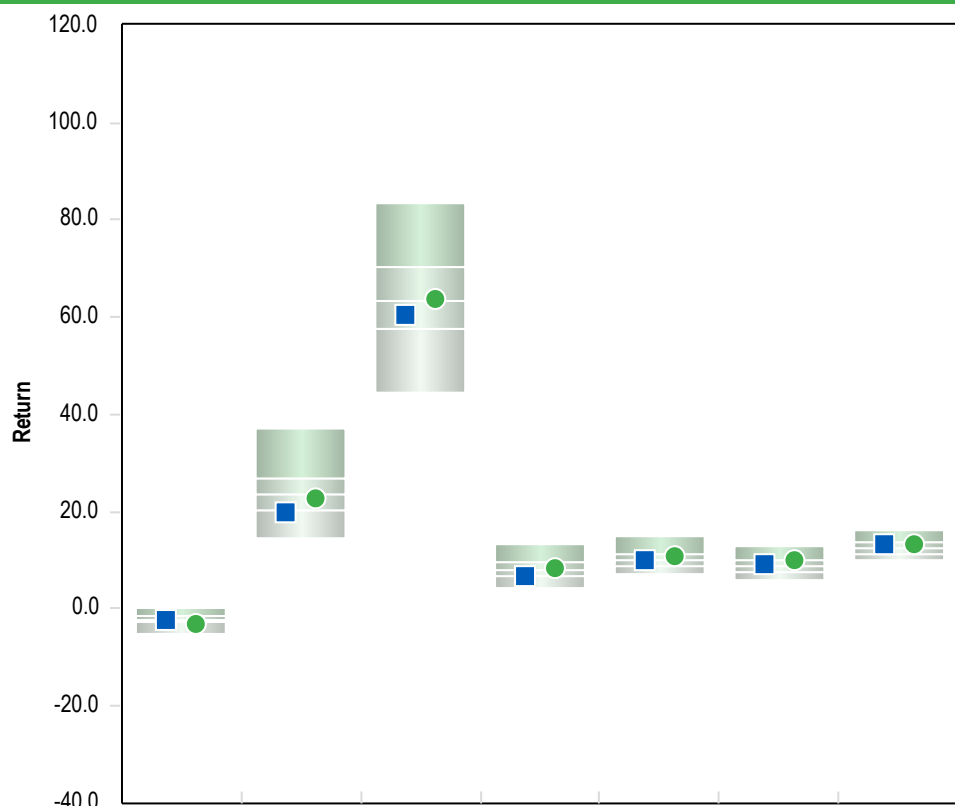
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Small Cap Value Equity (MF)



■ American Beacon Small Cap Val Inst
● Russell 2000 Value Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
American Beacon Small Cap Val Inst	-2.1 (50)	20.0 (78)	60.7 (61)	6.9 (73)	10.0 (52)	9.0 (44)	13.2 (33)
Russell 2000 Value Index	-3.0 (78)	22.9 (58)	63.9 (48)	8.6 (42)	11.0 (32)	10.2 (22)	13.2 (31)

5th Percentile	0.4	36.9	83.4	13.4	15.1	12.8	16.0
1st Quartile	-1.3	26.9	70.3	9.5	11.3	10.1	13.5
Median	-2.1	23.6	63.5	8.2	10.0	8.7	12.6
3rd Quartile	-2.8	20.3	57.8	6.8	8.8	7.7	11.4
95th Percentile	-5.3	14.5	44.3	4.5	7.1	5.9	10.1

Population	241	238	236	216	203	185	156
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	18.5	19.3
Minimum Return	-27.1	-24.7
Return	6.9	8.6
Cumulative Return	22.1	28.0
Active Return	-0.9	0.0
Excess Return	9.9	10.8

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	106.6	100.0
Down Market Capture	112.2	100.0

Risk / Return Summary Statistics

Standard Deviation	29.0	26.6
Alpha	-1.8	0.0
Active Return/Risk	0.0	0.0
Tracking Error	4.6	0.0
Information Ratio	-0.2	-
Sharpe Ratio	0.3	0.4

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

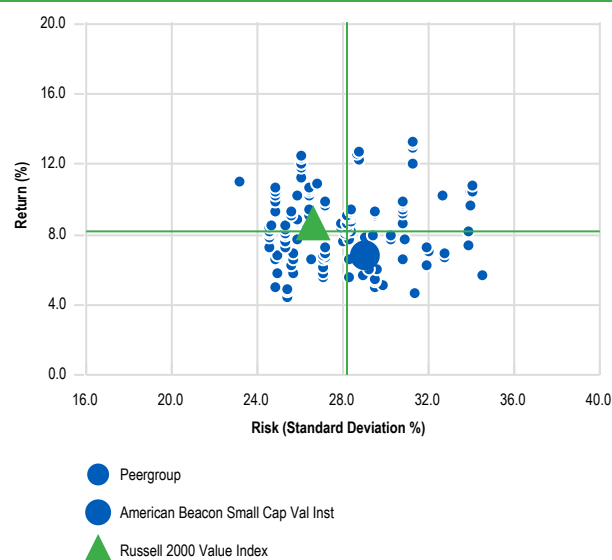
Fund Information

Product Name : Am Beacon:SC Val;R5 (AVFIX)
 Fund Family : American Beacon Advisors Inc
 Ticker : AVFIX
 Peer Group : IM U.S. Small Cap Value Equity (MF)
 Benchmark : Russell 2000 Value Index
 Fund Inception : 12/31/1998
 Portfolio Manager : Team Managed
 Total Assets : \$3,903 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.8%
 Net Expense : 0.8%
 Turnover : 61%

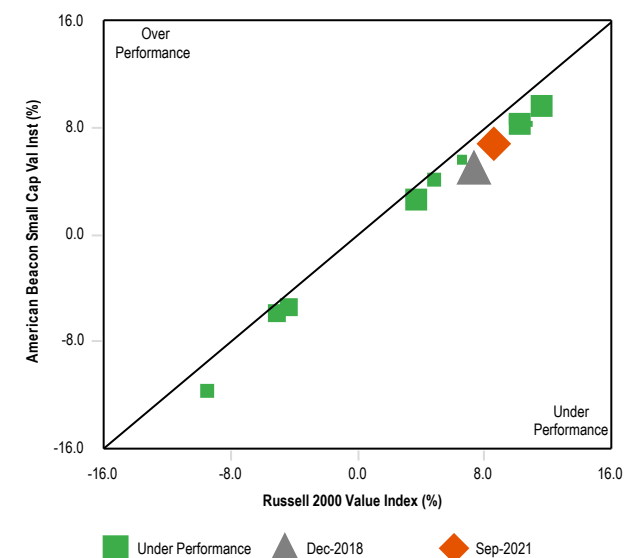
Fund Characteristics As of 03/31/2021

Total Securities 674
 Avg. Market Cap \$3,612 Million
 P/E 26.5
 P/B 2.8
 Div. Yield 2.1%
 Annual EPS 1.5
 5Yr EPS 10.3
 3Yr EPS Growth 11.7

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



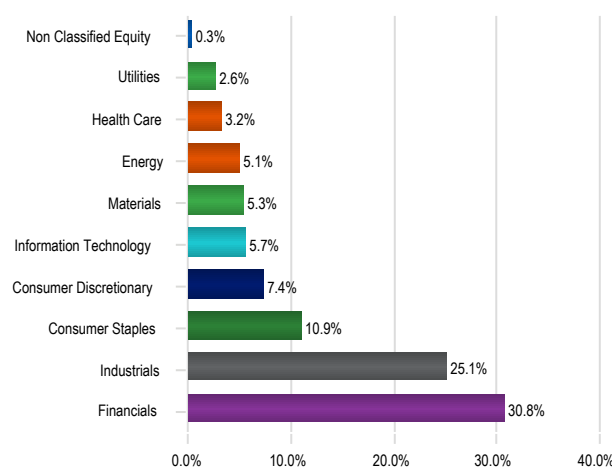
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	23.9	22.2
Beta	1.1	1.0
Sharpe Ratio	0.5	0.5
Information Ratio	-0.1	-
Tracking Error	3.8	0.0
Consistency	50.0	0.0
Up Market Capture	103.8	100.0
Down Market Capture	108.5	100.0
R-Squared	1.0	1.0

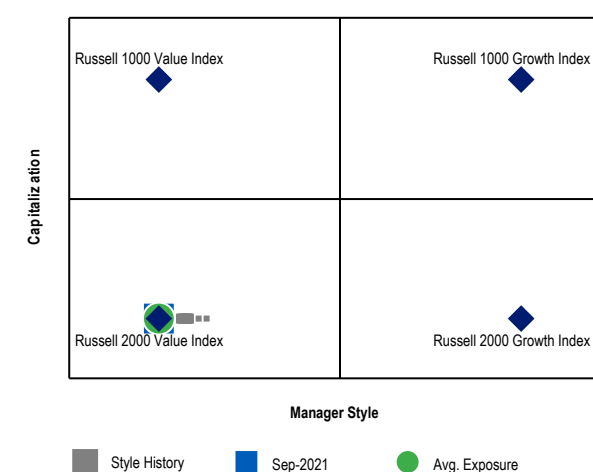
Fund Objective

The Fund seeks long-term capital appreciation and current income by investing primarily in equity securities. Ordinarily, at least 80% of the total assets of the Fund are invested in equity securities of US companies with market capitalizations of \$2 billion or less at the time of investment.

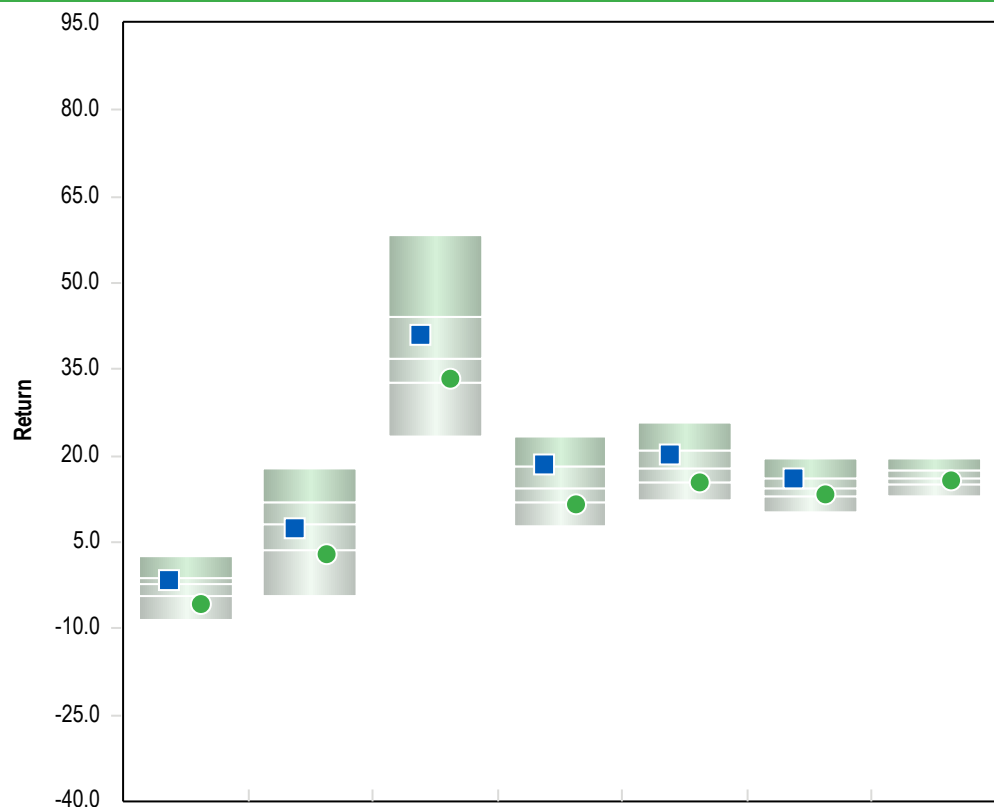
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Small Cap Growth Equity (MF)



■ Invesco Small Cap Growth Fund
● Russell 2000 Growth Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Invesco Small Cap Growth Fund	-1.6 (36)	7.4 (58)	40.9 (32)	18.6 (22)	20.1 (31)	16.1 (28)	-
Russell 2000 Growth Index	-5.7 (88)	2.8 (81)	33.3 (73)	11.7 (78)	15.3 (76)	13.2 (72)	15.7 (64)

5th Percentile	2.5	17.9	58.4	23.2	25.7	19.6	19.6
1st Quartile	-1.1	12.0	44.2	18.1	20.9	16.2	17.5
Median	-2.3	8.2	36.9	14.2	17.7	14.4	16.2
3rd Quartile	-4.3	3.5	32.7	11.9	15.3	13.0	14.9
95th Percentile	-8.5	-4.3	23.2	7.7	12.4	10.1	13.1

Population	386	385	384	354	304	271	233
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	17.2	17.6
Minimum Return	-15.3	-19.1
Return	18.6	11.7
Cumulative Return	66.9	39.4
Active Return	6.0	0.0
Excess Return	19.2	13.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	108.9	100.0
Down Market Capture	91.4	100.0

Risk / Return Summary Statistics

Standard Deviation	25.2	25.3
Alpha	6.6	0.0
Active Return/Risk	0.2	0.0
Tracking Error	5.3	0.0
Information Ratio	1.1	-
Sharpe Ratio	0.8	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

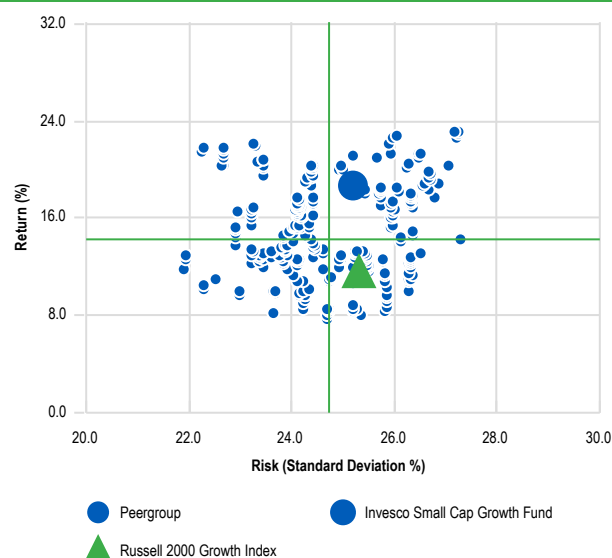
Fund Information

Product Name : Invesco Sm Cap Gr;R6 (GTSFX)
 Fund Family : Invesco
 Ticker : GTSFX
 Peer Group : IM U.S. Small Cap Growth Equity (MF)
 Benchmark : Russell 2000 Growth Index
 Fund Inception : 09/24/2012
 Portfolio Manager : Hartsfield/Manley/Sander
 Total Assets : \$836 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.7%
 Net Expense : 0.7%
 Turnover : 51%

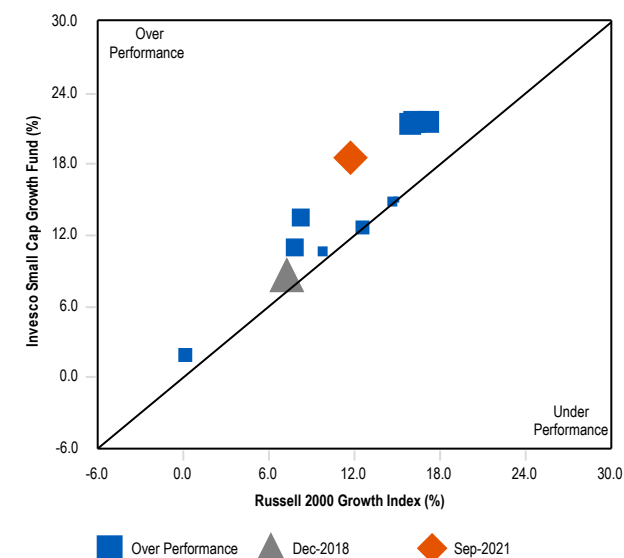
Fund Characteristics As of 04/30/2021

Total Securities 135
 Avg. Market Cap \$8,736 Million
 P/E 50.3
 P/B 10.4
 Div. Yield 0.7%
 Annual EPS 5.4
 5Yr EPS 16.1
 3Yr EPS Growth 21.1

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



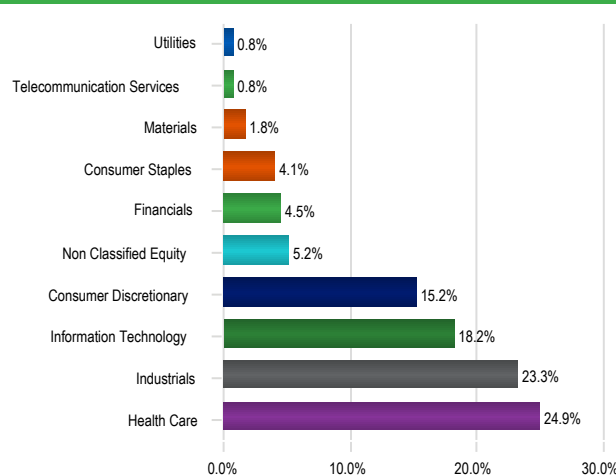
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	20.5	20.8
Beta	1.0	1.0
Sharpe Ratio	0.9	0.7
Information Ratio	0.8	-
Tracking Error	4.7	0.0
Consistency	60.0	0.0
Up Market Capture	104.8	100.0
Down Market Capture	87.7	100.0
R-Squared	0.9	1.0

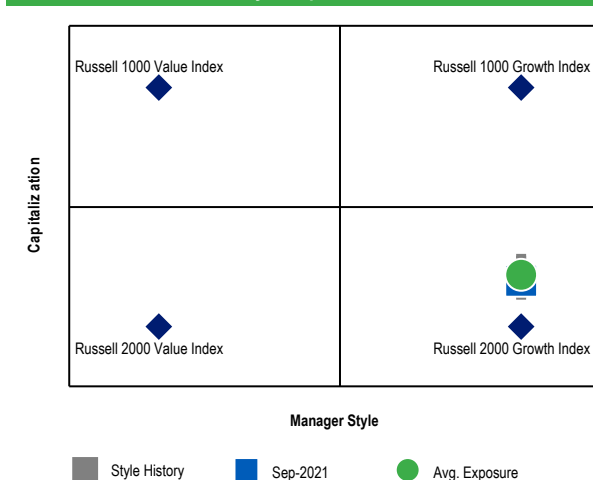
Fund Objective

The Fund seeks long-term growth of capital. The Fund seeks to construct a portfolio of issuers that have the potential for capital growth. The Fund invests primarily in equity securities. The Fund may also invest up to 25% of its total assets in foreign securities..

Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM International Large Cap Growth Equity (MF)



■ Oppenheimer International Gr I
● MSCI EAFE (Net)

5th Percentile	0.3	10.1	29.6	14.9	14.1	11.3	12.3
1st Quartile	-0.7	7.4	24.0	13.0	12.0	8.6	10.0
Median	-1.7	5.5	20.6	11.5	10.8	7.5	9.1
3rd Quartile	-3.4	3.6	16.7	9.6	9.2	5.7	7.7
95th Percentile	-4.7	0.3	14.7	5.9	6.5	3.8	5.5
Population	229	219	215	189	153	134	116

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.5	15.5
Minimum Return	-13.3	-13.3
Return	13.3	7.6
Cumulative Return	45.6	24.7
Active Return	5.4	0.0
Excess Return	13.1	7.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	117.4	100.0
Down Market Capture	97.5	100.0

Risk / Return Summary Statistics

Standard Deviation	18.3	17.5
Alpha	5.6	0.0
Active Return/Risk	0.3	0.0
Tracking Error	5.8	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.7	0.4

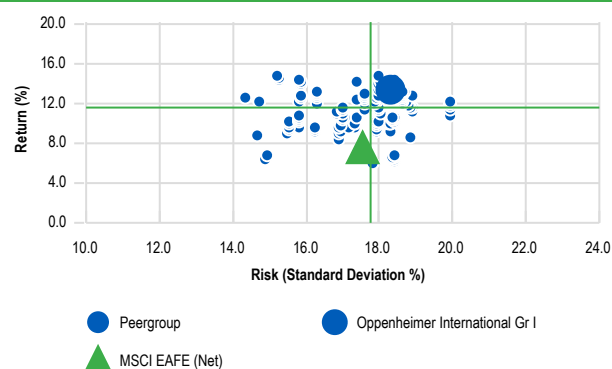
Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	0.9	1.0

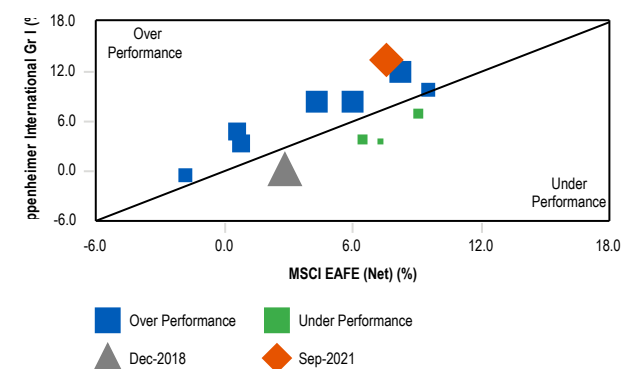
Fund Information

Product Name : Invesco Oppen Intl Gro;R6 (OIGIX)
 Fund Family : Invesco
 Ticker : OIGIX
 Peer Group : IM International Large Cap Growth Equity (MF)
 Benchmark : MSCI EAFE (Net)
 Fund Inception : 03/29/2012
 Portfolio Manager : Evans/Dunphy
 Total Assets : \$5,665 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.7%
 Net Expense : 0.7%
 Turnover : 22%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



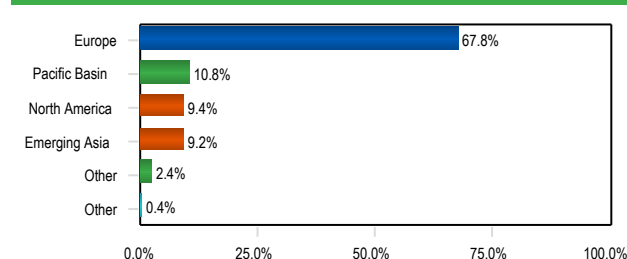
Fund Characteristics As of 04/30/2021

Total Securities 98
 Avg. Market Cap \$99,106 Million
 P/E 46.1
 P/B 9.3
 Div. Yield 1.1%
 Annual EPS 5.0
 5Yr EPS 9.4
 3Yr EPS Growth 5.2

Top 5 Countries As of 04/30/2021

United Kingdom 15.9 %
 France 15.0 %
 Netherlands 8.3 %
 Japan 7.6 %
 Sweden 6.4 %

Regional Allocation As of 04/30/2021



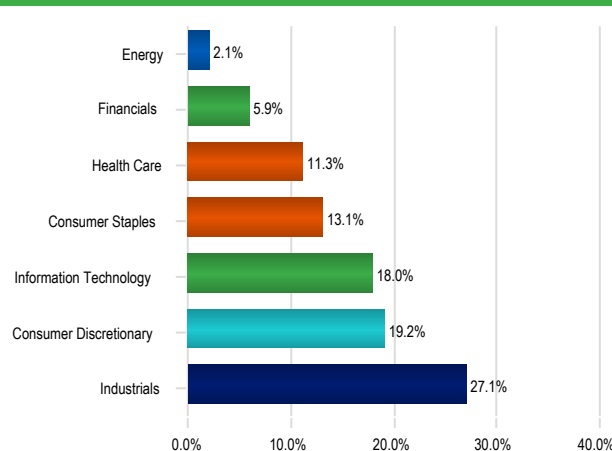
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.4	14.5
Beta	1.0	1.0
Sharpe Ratio	0.7	0.6
Information Ratio	0.3	-
Tracking Error	5.5	0.0
Consistency	56.7	0.0
Up Market Capture	107.9	100.0
Down Market Capture	100.6	100.0
R-Squared	0.9	1.0

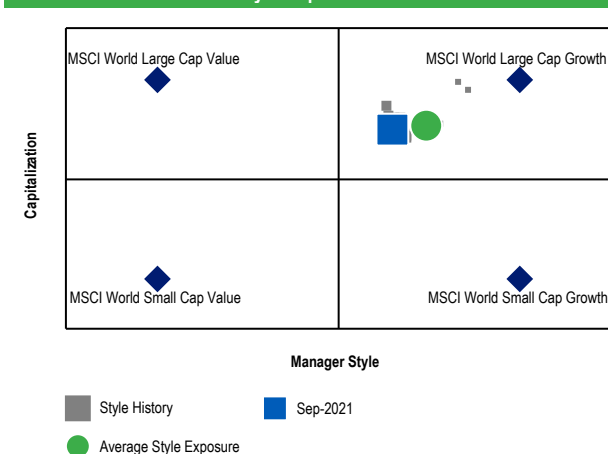
Fund Objective

The Fund seeks capital appreciation by investing primarily in growth-type foreign companies, including emerging markets.

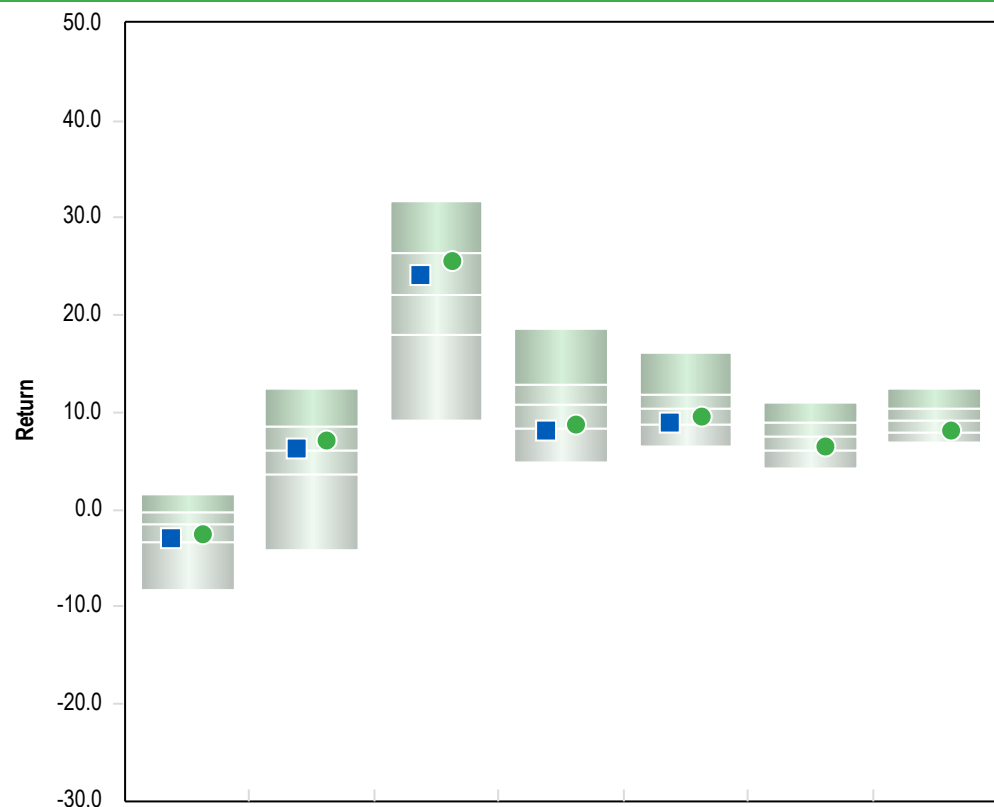
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM International Multi-Cap Growth Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Fidelity Total International Index	-3.0 (70)	6.3 (48)	24.2 (37)	8.2 (78)	8.9 (72)	-	-
MSCI AC World ex USA IMI	-2.5 (59)	7.2 (42)	25.7 (30)	8.8 (70)	9.6 (62)	6.5 (65)	8.2 (72)

5th Percentile	1.6	12.5	31.7	18.5	16.1	11.1	12.4
1st Quartile	-0.2	8.6	26.4	13.0	11.9	9.0	10.4
Median	-1.6	6.2	22.0	10.8	10.5	7.5	9.2
3rd Quartile	-3.4	3.6	18.1	8.4	8.7	6.0	8.0
95th Percentile	-8.2	-4.1	9.2	4.9	6.4	4.2	6.8

Population	507	502	495	456	400	332	283
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.0	13.5
Minimum Return	-15.8	-15.0
Return	8.2	8.8
Cumulative Return	26.7	28.9
Active Return	-0.6	0.0
Excess Return	8.4	8.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	98.7	100.0
Down Market Capture	101.1	100.0

Risk / Return Summary Statistics

Standard Deviation	17.8	17.9
Alpha	-0.5	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.4	-
Sharpe Ratio	0.5	0.5

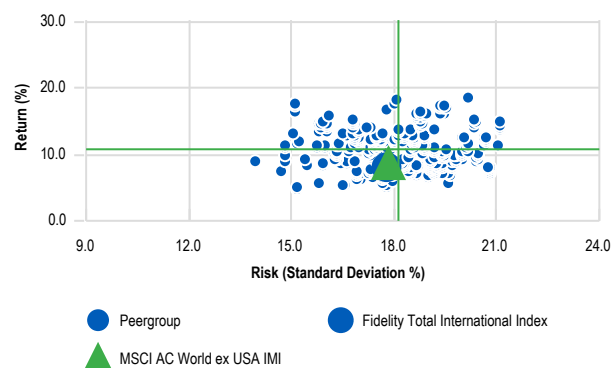
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

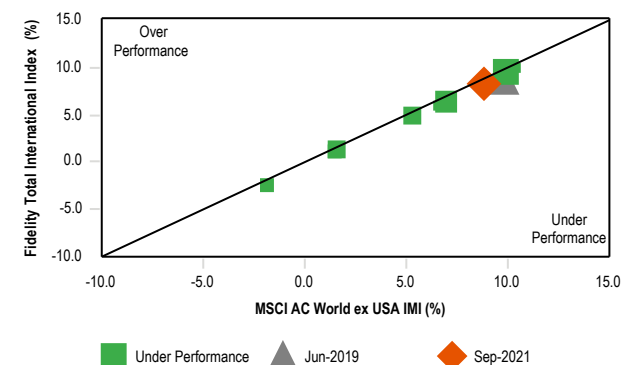
Fund Information

Product Name : Fidelity Total Intl Idx (FTIHGX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FTIHGX
 Peer Group : IM International Multi-Cap Growth Equity (MF)
 Benchmark : MSCI AC World ex USA IMI
 Fund Inception : 06/07/2016
 Portfolio Manager : Team Managed
 Total Assets : \$7,729 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 4%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



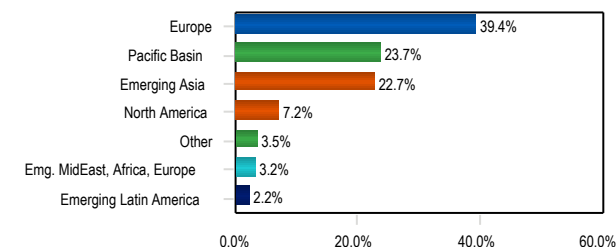
Fund Characteristics As of 04/30/2021

Total Securities 4,771
 Avg. Market Cap \$91,926 Million
 P/E 29.8
 P/B 4.5
 Div. Yield 2.5%
 Annual EPS 4.2
 5Yr EPS 8.3
 3Yr EPS Growth 4.9

Top 5 Countries As of 04/30/2021

Japan 15.7 %
 China 9.5 %
 United Kingdom 8.6 %
 Canada 6.7 %
 France 6.0 %

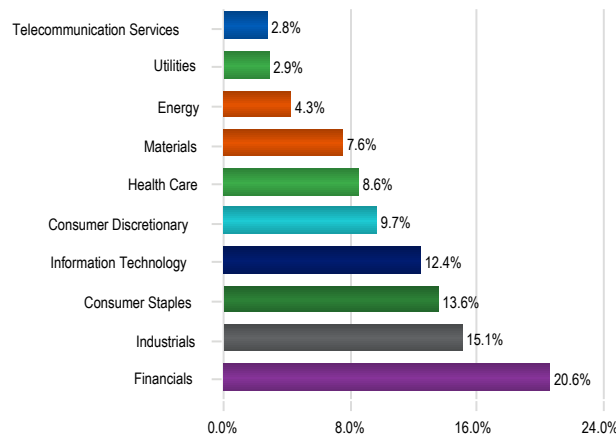
Regional Allocation As of 04/30/2021



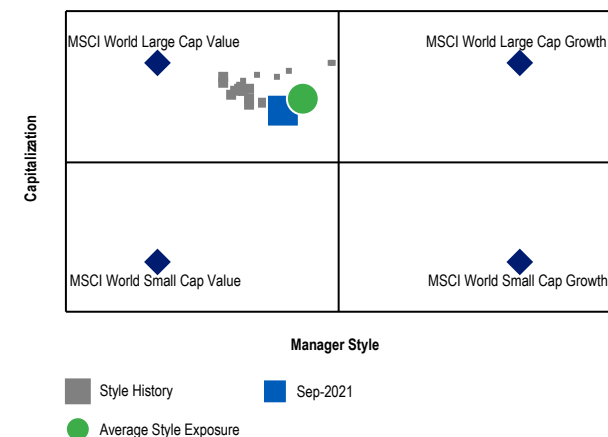
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.7	14.8
Beta	1.0	1.0
Sharpe Ratio	0.6	0.6
Information Ratio	-0.5	-
Tracking Error	1.3	0.0
Consistency	41.7	0.0
Up Market Capture	97.7	100.0
Down Market Capture	100.6	100.0
R-Squared	1.0	1.0

Sector Allocation As of 04/30/2021



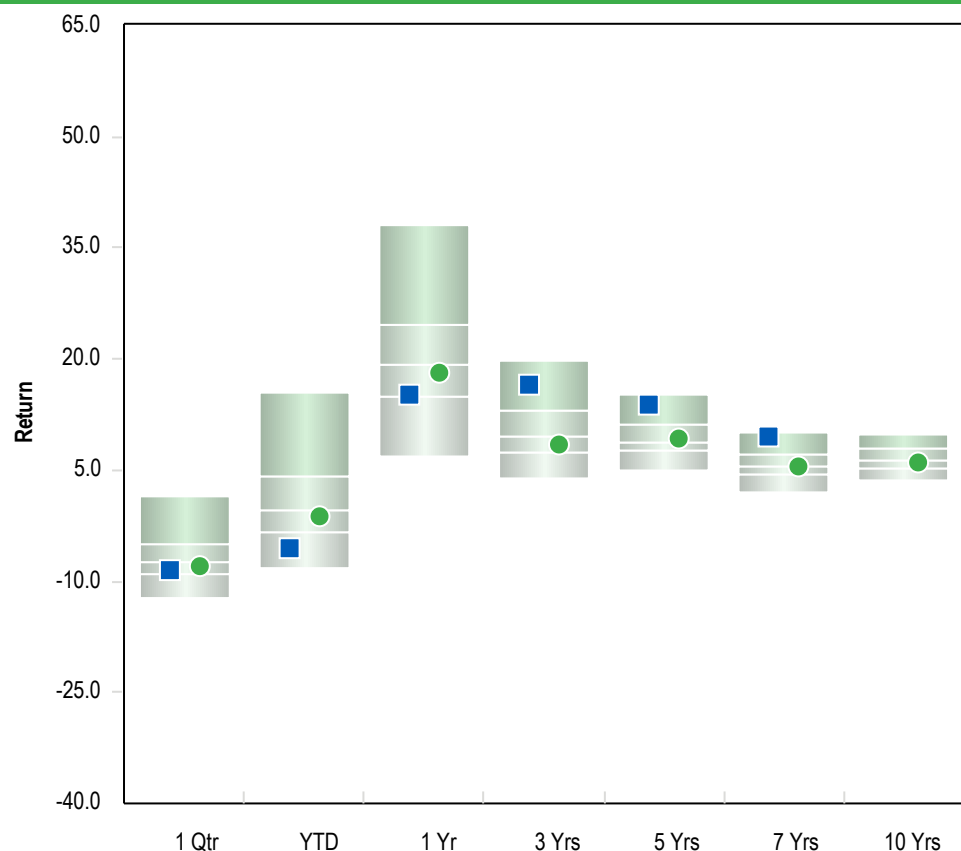
Style Map - 36 Months



Fund Objective

The Fund seeks to provide investment results that correspond to the total return of foreign developed and emerging stock markets. It normally investing at least 80% of assets in securities included in the MSCI ACWI ex USA Investable Market Index and in depository receipts representing securities included in the index.

IM Emerging Markets Equity (MF)



■ JP Morgan Emerging Markets Eq Fd
● MSCI EM (net)

5th Percentile	1.5	15.3	38.1	19.7	15.2	10.0	9.7
1st Quartile	-4.9	4.1	24.5	13.1	11.1	7.0	7.8
Median	-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
3rd Quartile	-9.1	-3.4	15.0	7.3	7.5	4.4	5.1
95th Percentile	-12.3	-8.1	6.7	3.8	5.1	1.9	3.5
Population	823	790	778	701	593	482	317

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.5	9.2
Minimum Return	-17.0	-15.4
Return	16.5	8.6
Cumulative Return	58.0	28.0
Active Return	7.3	0.0
Excess Return	16.3	9.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	121.4	100.0
Down Market Capture	97.1	100.0

Risk / Return Summary Statistics

Standard Deviation	20.4	19.1
Alpha	7.3	0.0
Active Return/Risk	0.4	0.0
Tracking Error	5.3	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.8	0.5

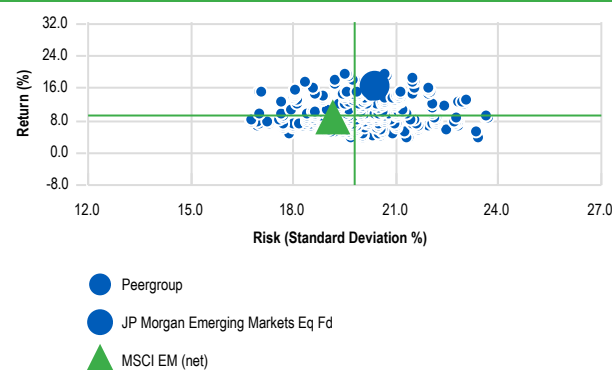
Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	1.0	1.0

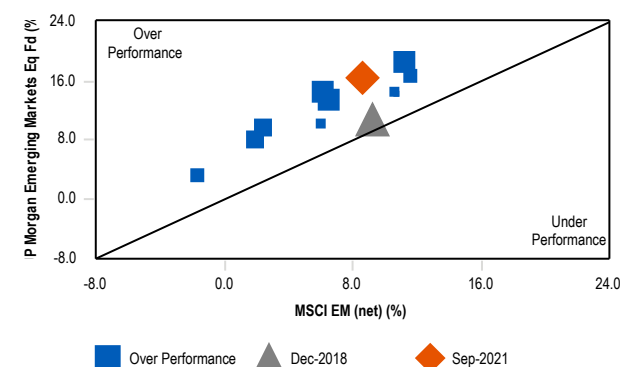
Fund Information

Product Name : JPMorgan:Em Mkt Eq;R6 (JEMWX)
 Fund Family : JPMorgan Funds
 Ticker : JEMWX
 Peer Group : IM Emerging Markets Equity (MF)
 Benchmark : MSCI EM (net)
 Fund Inception : 12/23/2013
 Portfolio Manager : Eidelman/Forey/Mehta
 Total Assets : \$5,930 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.8%
 Net Expense : 0.8%
 Turnover : 15%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



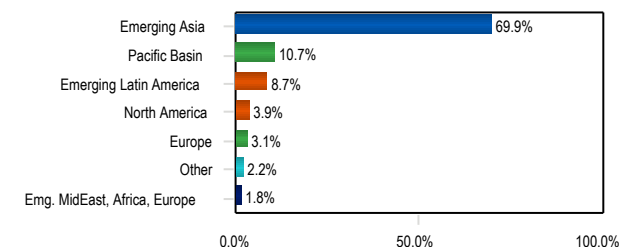
Fund Characteristics As of 03/31/2021

Total Securities 73
 Avg. Market Cap \$184,686 Million
 P/E 39.7
 P/B 10.0
 Div. Yield 1.3%
 Annual EPS 31.4
 5Yr EPS 22.3
 3Yr EPS Growth 22.8

Top 5 Countries As of 03/31/2021

China 38.8 %
 India 14.8 %
 Korea 7.4 %
 Taiwan 7.2 %
 Hong Kong 7.1 %

Regional Allocation As of 03/31/2021



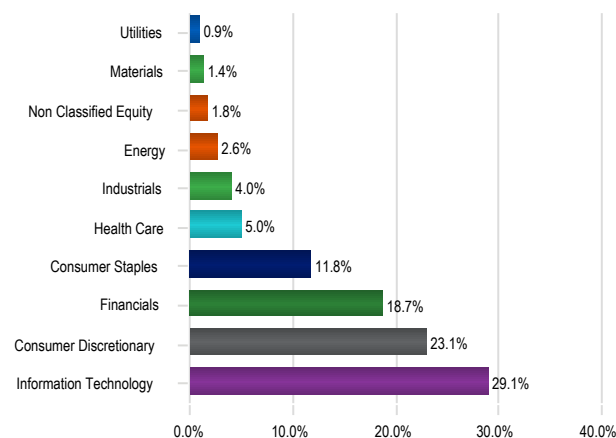
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	17.5	16.5
Beta	1.0	1.0
Sharpe Ratio	0.8	0.5
Information Ratio	0.9	-
Tracking Error	4.9	0.0
Consistency	58.3	0.0
Up Market Capture	116.0	100.0
Down Market Capture	100.8	100.0
R-Squared	0.9	1.0

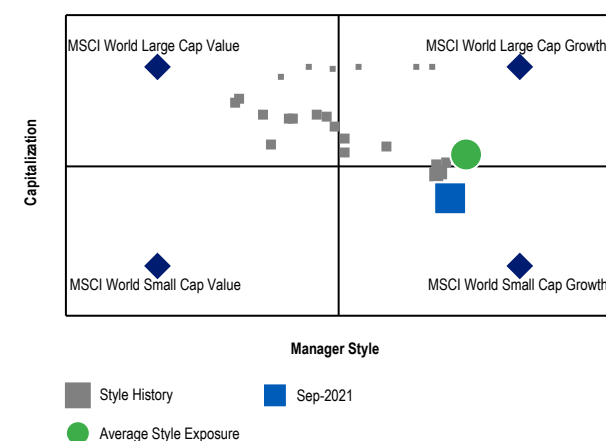
Fund Objective

The Fund seeks to provide high total return. The Fund invests at least 80% of the value of its assets in equity securities and equity-related instruments that are tied economically to emerging markets. The Fund is designed for long-term investors who want exposure to the rapidly growing emerging markets.

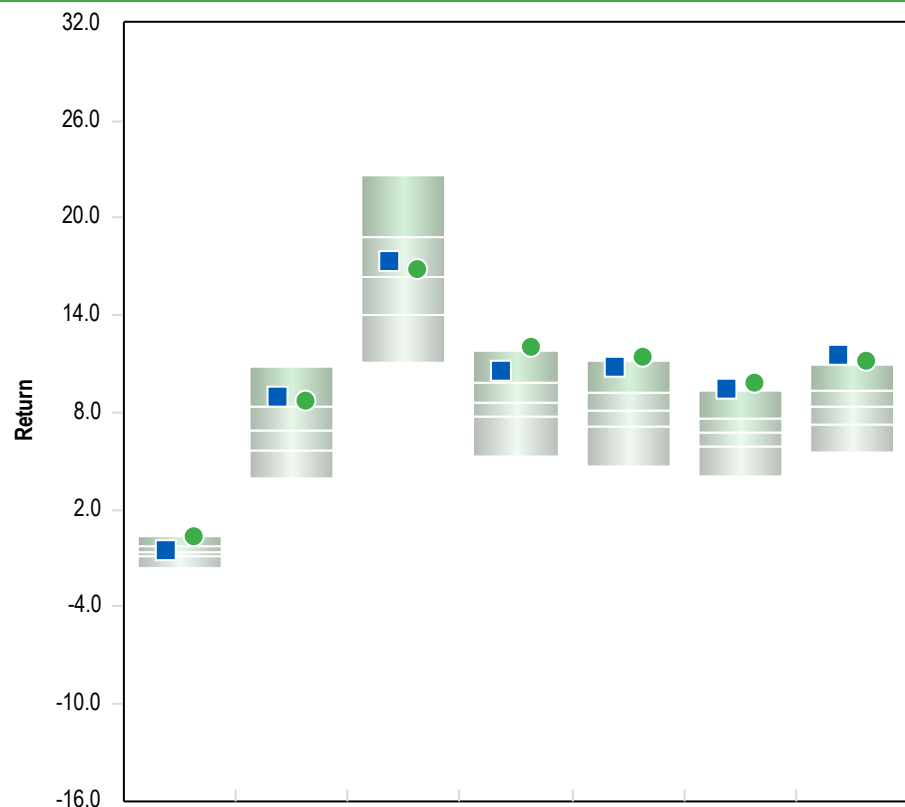
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM Mixed-Asset Target Alloc Moderate (MF)



■ American Funds Balanced Fund
 ● 60% S&P 500 / 40% Bloomberg Aggregate

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
American Funds Balanced Fund	-0.5 (43)	9.0 (15)	17.4 (39)	10.6 (15)	10.8 (8)	9.4 (5)	11.6 (3)
60% S&P 500 / 40% Bloomberg Aggregate	0.4 (4)	8.7 (19)	16.9 (46)	12.1 (4)	11.4 (5)	9.9 (4)	11.2 (4)

5th Percentile	0.4	10.8	22.7	11.8	11.2	9.4	10.9
1st Quartile	-0.3	8.3	18.8	9.8	9.3	7.6	9.3
Median	-0.6	7.0	16.4	8.6	8.2	6.7	8.4
3rd Quartile	-0.9	5.6	14.0	7.7	7.1	5.9	7.3
95th Percentile	-1.6	4.0	11.1	5.2	4.7	4.1	5.5

Population	602	593	586	550	490	441	367
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.9	8.4
Minimum Return	-8.0	-7.6
Return	10.6	12.1
Cumulative Return	35.4	40.9
Active Return	-1.4	0.0
Excess Return	9.6	10.9

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	92.1	100.0
Down Market Capture	95.9	100.0

Risk / Return Summary Statistics

Standard Deviation	10.8	11.3
Alpha	-0.7	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.9	0.0
Information Ratio	-0.7	-
Sharpe Ratio	0.9	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : American Funds Bal;R6 (RLBGX)
 Fund Family : American Funds
 Ticker : RLBGX
 Peer Group : IM Mixed-Asset Target Alloc Moderate (MF)
 Benchmark : 60% S&P 500 / 40% Bloomberg Aggregate
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$40,673 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 176%

Fund Characteristics As of 03/31/2021

Total Securities 2,171
 Avg. Market Cap \$303,928 Million
 P/E 32.8
 P/B 7.5
 Div. Yield 2.2%
 Annual EPS 7.6
 5Yr EPS 13.0
 3Yr EPS Growth 13.6

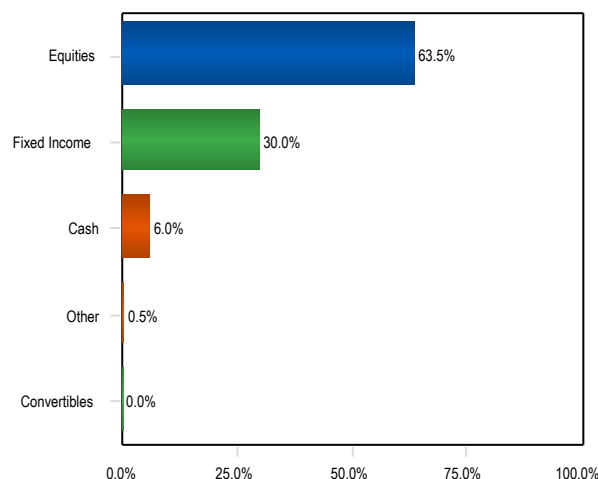
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	8.8	9.2
Beta	0.9	1.0
Sharpe Ratio	1.1	1.1
Information Ratio	-0.4	-
Tracking Error	1.8	0.0
Consistency	51.7	0.0
Up Market Capture	94.7	100.0
Down Market Capture	95.1	100.0
R-Squared	1.0	1.0

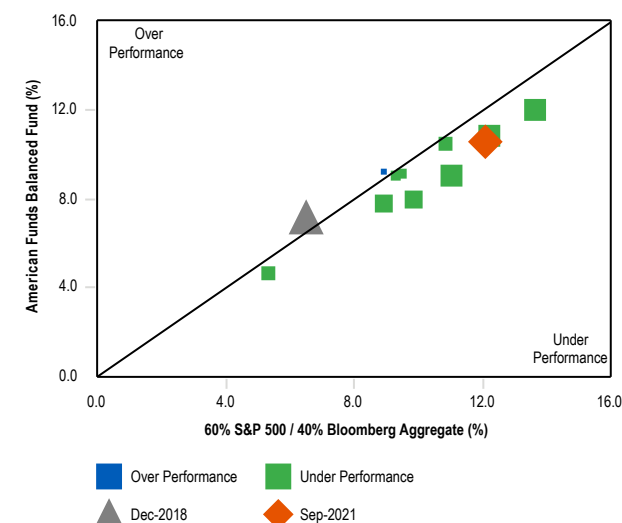
Fund Objective

The Fund seeks to provide conservation of capital, current income, and long-term growth of both capital and income. The Fund invests in a broad range of securities, including common stocks and investment-grade bonds. The Fund also invests in securities issued and guaranteed by the U.S. government.

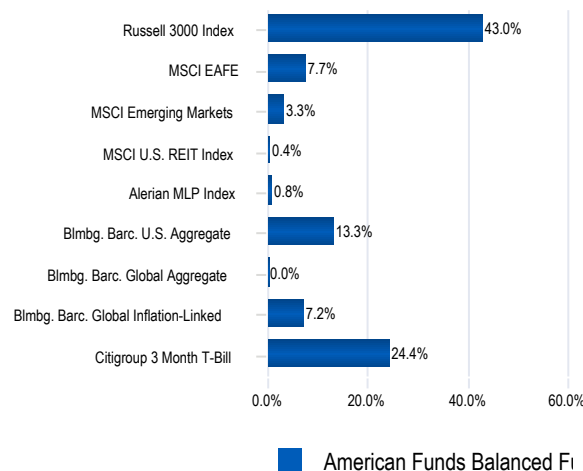
Asset Allocation As of 03/31/2021



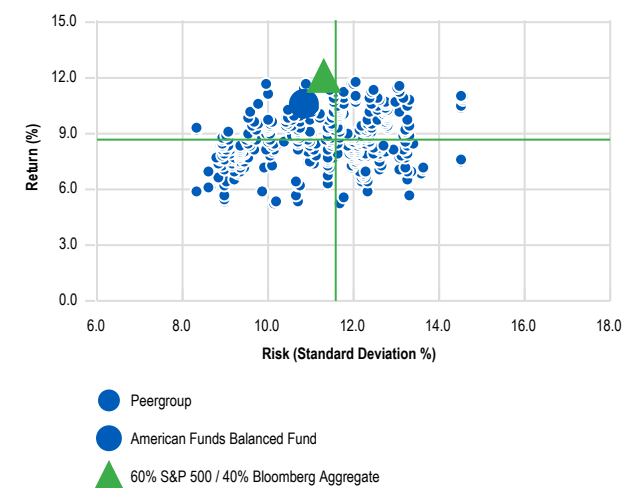
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2055 (MF)



■ T Rowe Price Rtmt 2060
● S&P Target Date 2055 Index

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0
Population	214	204	204	190	147	108	56

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.5
Minimum Return	-14.2	-13.4
Return	14.1	11.5
Cumulative Return	48.4	38.6
Active Return	2.3	0.0
Excess Return	13.5	11.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.4	100.0
Down Market Capture	94.0	100.0

Risk / Return Summary Statistics

Standard Deviation	17.1	16.9
Alpha	2.3	0.0
Active Return/Risk	0.1	0.0
Tracking Error	1.6	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

T Rowe Price Rtmt 2060

As of September 30, 2021

Fund Information

Product Name : T Rowe Price Ret:2060;I (TRPLX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPLX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : S&P Target Date 2055 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$1,100 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 17%

Fund Characteristics As of 03/31/2021

Total Securities 23
 Avg. Market Cap \$233,977 Million
 P/E 33.7
 P/B 7.1
 Div. Yield 1.8%
 Annual EPS 7.8
 5Yr EPS 12.2
 3Yr EPS Growth 15.8

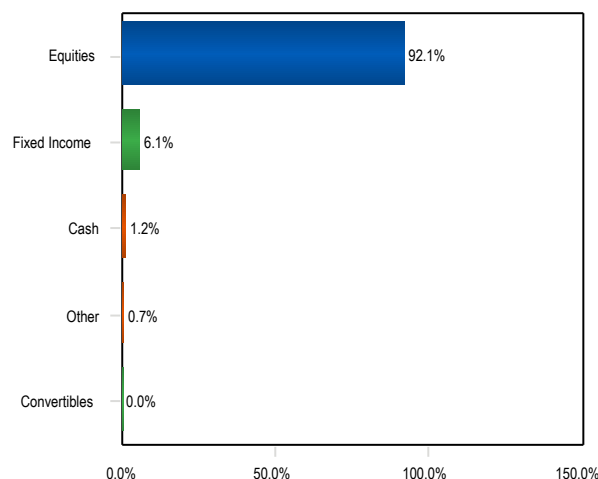
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.7	13.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.8	-
Tracking Error	1.7	0.0
Consistency	68.3	0.0
Up Market Capture	101.8	100.0
Down Market Capture	92.7	100.0
R-Squared	1.0	1.0

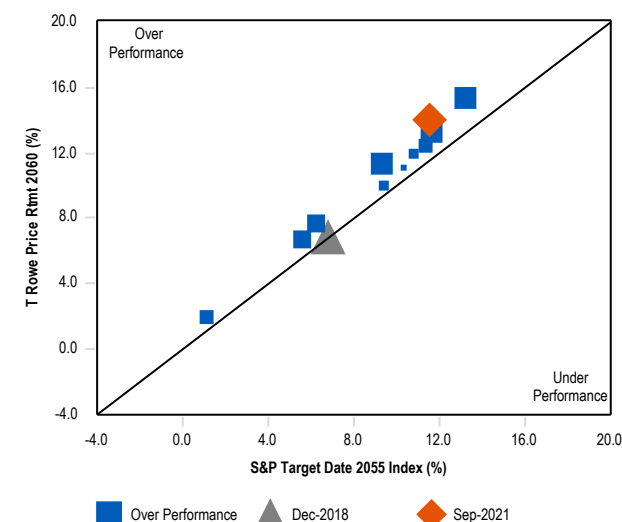
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2060).

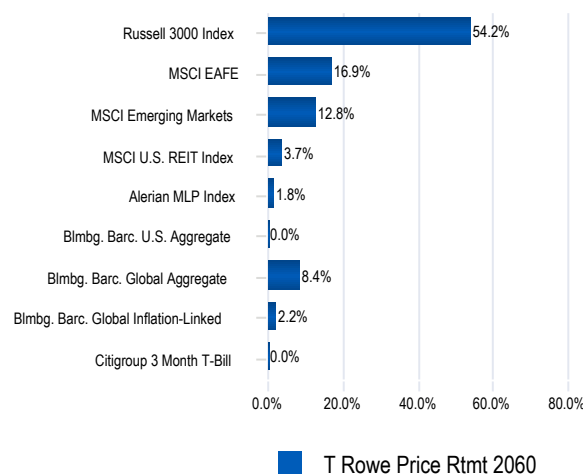
Asset Allocation As of 03/31/2021



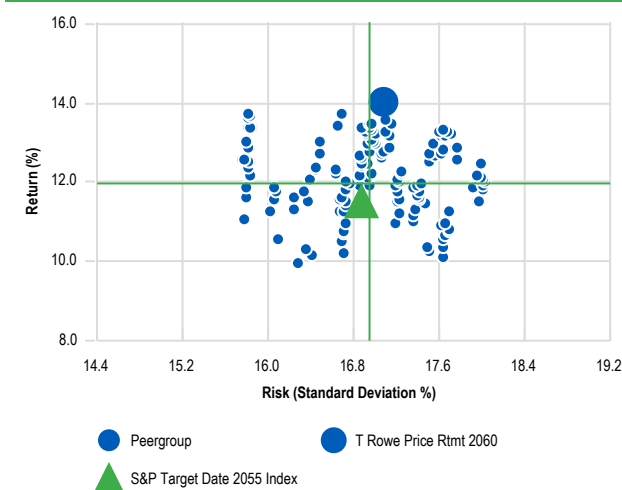
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2055 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
T Rowe Price Rtmt 2055	-0.9 (18)	12.2 (12)	29.4 (2)	14.1 (1)	13.8 (3)	-	-
S&P Target Date 2055 Index	-0.8 (16)	11.3 (28)	27.5 (45)	11.5 (67)	12.3 (52)	10.0 (49)	12.3 (39)

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0

Population	214	204	204	190	147	108	56
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.5
Minimum Return	-14.2	-13.4
Return	14.1	11.5
Cumulative Return	48.4	38.6
Active Return	2.3	0.0
Excess Return	13.5	11.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.4	100.0
Down Market Capture	94.1	100.0

Risk / Return Summary Statistics

Standard Deviation	17.1	16.9
Alpha	2.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	1.6	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

T Rowe Price Rtmt 2055

As of September 30, 2021

Fund Information

Product Name : T Rowe Price Ret:2055;I (TRPNX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPNX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : S&P Target Date 2055 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$2,852 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 21%

Fund Characteristics As of 03/31/2021

Total Securities 23
 Avg. Market Cap \$233,163 Million
 P/E 33.8
 P/B 7.1
 Div. Yield 1.8%
 Annual EPS 7.8
 5Yr EPS 12.2
 3Yr EPS Growth 15.8

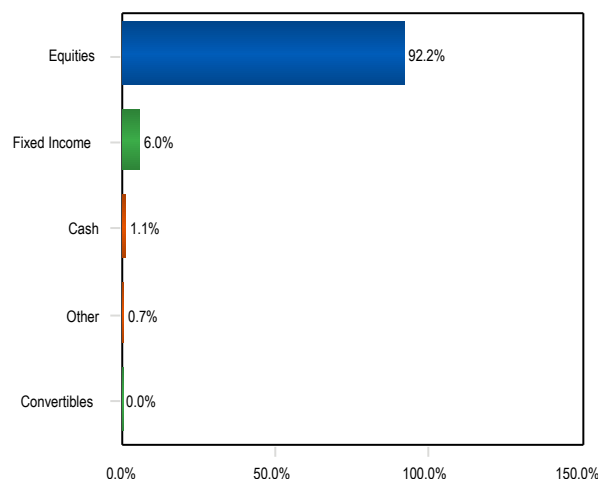
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.7	13.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.8	-
Tracking Error	1.7	0.0
Consistency	68.3	0.0
Up Market Capture	101.8	100.0
Down Market Capture	92.6	100.0
R-Squared	1.0	1.0

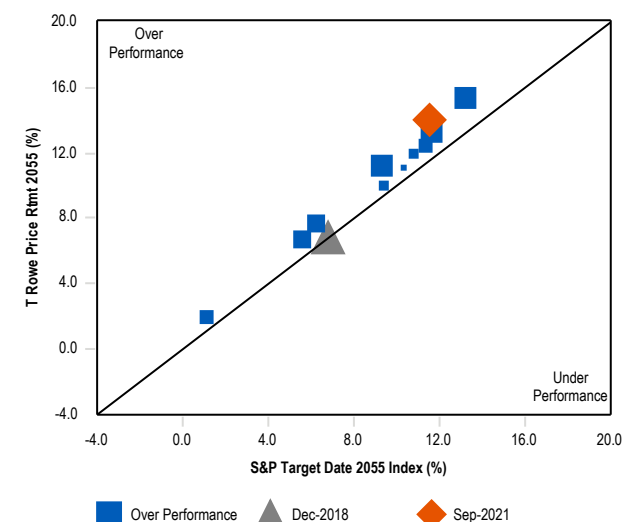
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2055).

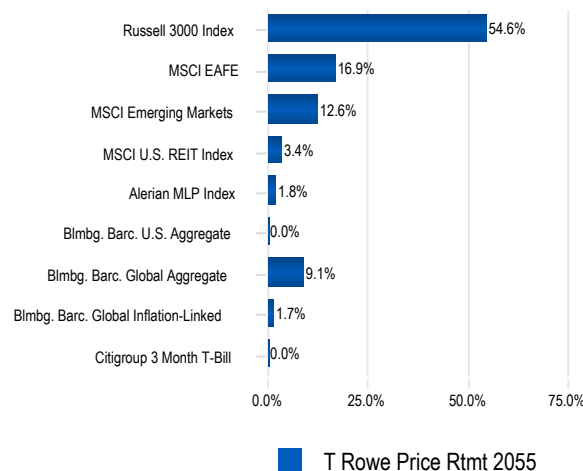
Asset Allocation As of 03/31/2021



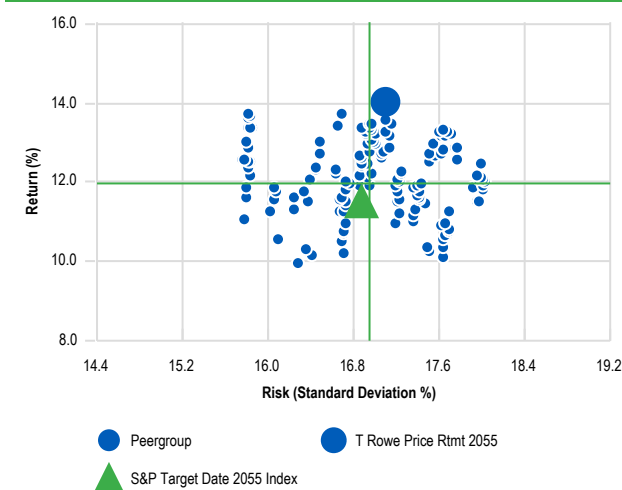
3 Year Rolling Under/Over Performance



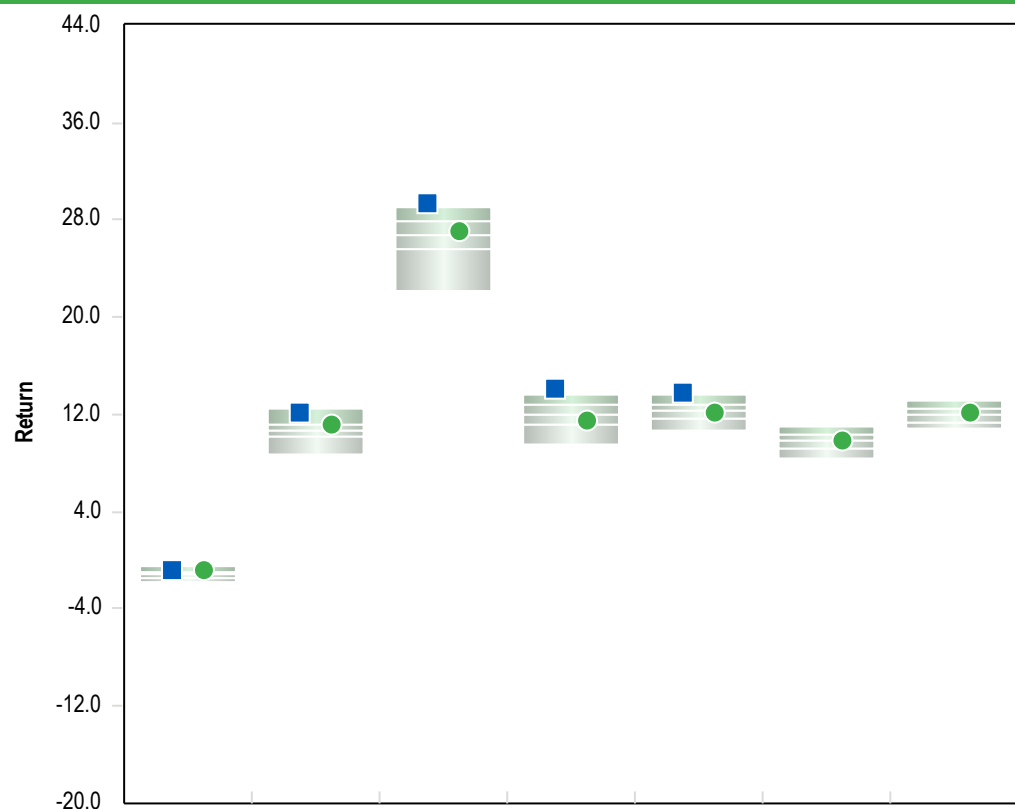
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2050 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ T Rowe Price Rtmt 2050	-0.9 (22)	12.1 (9)	29.4 (3)	14.1 (1)	13.8 (3)	-	-
● S&P Target Date 2050+ Index	-0.8 (16)	11.1 (28)	27.1 (45)	11.4 (68)	12.2 (53)	9.9 (46)	12.2 (40)

5th Percentile	-0.4	12.5	29.1	13.7	13.6	11.0	13.2
1st Quartile	-0.9	11.2	27.9	12.8	12.9	10.3	12.4
Median	-1.2	10.6	26.8	12.0	12.3	9.8	12.0
3rd Quartile	-1.4	10.1	25.7	11.2	11.7	9.1	11.4
95th Percentile	-1.7	8.8	22.2	9.6	10.6	8.3	10.9

Population	216	206	206	192	152	116	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.4
Minimum Return	-14.2	-13.2
Return	14.1	11.4
Cumulative Return	48.4	38.4
Active Return	2.4	0.0
Excess Return	13.5	11.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	105.4	100.0
Down Market Capture	95.1	100.0

Risk / Return Summary Statistics

Standard Deviation	17.1	16.7
Alpha	2.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	1.6	0.0
Information Ratio	1.5	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

T Rowe Price Rtmt 2050

As of September 30, 2021

Fund Information

Product Name : T Rowe Price Ret:2050;I (TRPMX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPMX
 Peer Group : IM Mixed-Asset Target 2050 (MF)
 Benchmark : S&P Target Date 2050+ Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$5,226 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 23%

Fund Characteristics As of 03/31/2021

Total Securities 23
 Avg. Market Cap \$233,251 Million
 P/E 33.8
 P/B 7.1
 Div. Yield 1.8%
 Annual EPS 7.9
 5Yr EPS 12.2
 3Yr EPS Growth 15.8

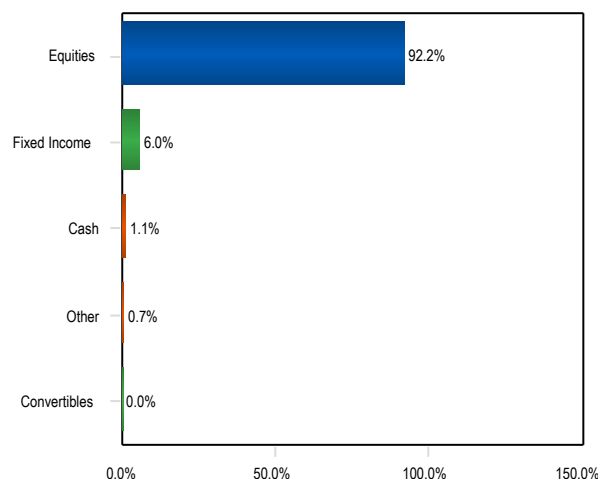
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.7	13.4
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.8	-
Tracking Error	1.7	0.0
Consistency	70.0	0.0
Up Market Capture	102.9	100.0
Down Market Capture	93.6	100.0
R-Squared	1.0	1.0

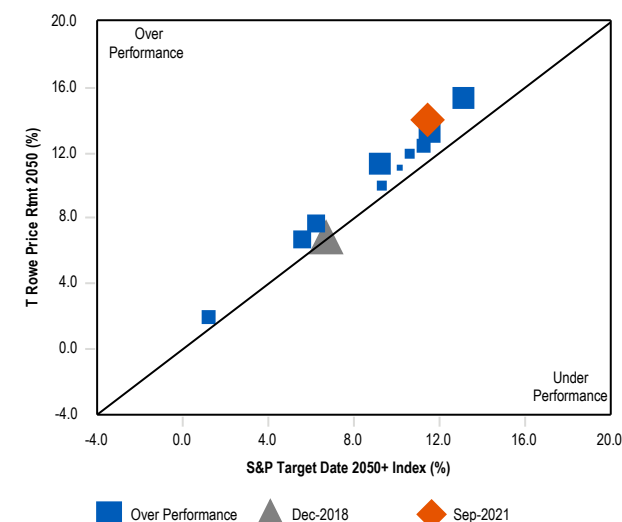
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2050).

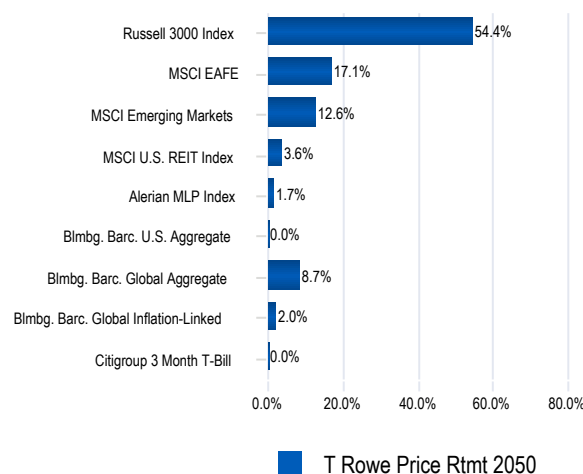
Asset Allocation As of 03/31/2021



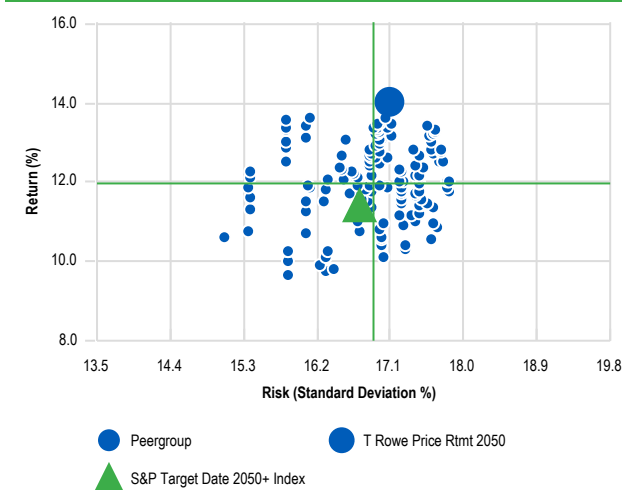
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2045 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
T Rowe Price Rtmt 2045	-0.8 (22)	12.1 (6)	29.3 (1)	14.0 (1)	13.8 (1)	-	-
S&P Target Date 2045 Index	-0.8 (19)	10.8 (32)	26.4 (45)	11.3 (69)	11.9 (55)	9.7 (45)	11.9 (39)

5th Percentile	-0.4	12.1	28.7	13.5	13.4	10.8	13.1
1st Quartile	-0.9	11.0	27.6	12.7	12.8	10.2	12.3
Median	-1.1	10.4	25.9	11.9	12.1	9.6	11.7
3rd Quartile	-1.4	9.9	24.8	11.1	11.5	9.0	11.2
95th Percentile	-1.7	8.3	20.6	9.5	10.4	8.1	10.3

Population	214	204	204	190	149	114	76
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.1
Minimum Return	-14.3	-13.0
Return	14.0	11.3
Cumulative Return	48.3	37.9
Active Return	2.6	0.0
Excess Return	13.5	10.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	107.4	100.0
Down Market Capture	97.3	100.0

Risk / Return Summary Statistics

Standard Deviation	17.1	16.4
Alpha	2.1	0.0
Active Return/Risk	0.2	0.0
Tracking Error	1.7	0.0
Information Ratio	1.6	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2045;I (TRPKX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPKX
 Peer Group : IM Mixed-Asset Target 2045 (MF)
 Benchmark : S&P Target Date 2045 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$5,626 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 19%

Fund Characteristics As of 03/31/2021

Total Securities 23
 Avg. Market Cap \$231,840 Million
 P/E 33.6
 P/B 7.1
 Div. Yield 1.8%
 Annual EPS 7.8
 5Yr EPS 12.2
 3Yr EPS Growth 15.8

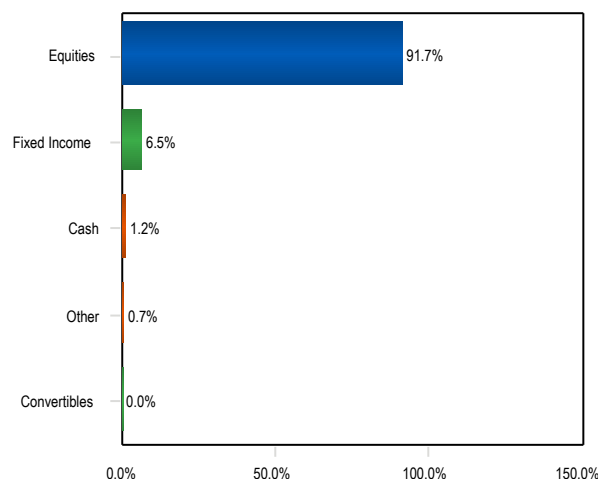
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.7	13.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	1.0	-
Tracking Error	1.7	0.0
Consistency	71.7	0.0
Up Market Capture	105.3	100.0
Down Market Capture	95.9	100.0
R-Squared	1.0	1.0

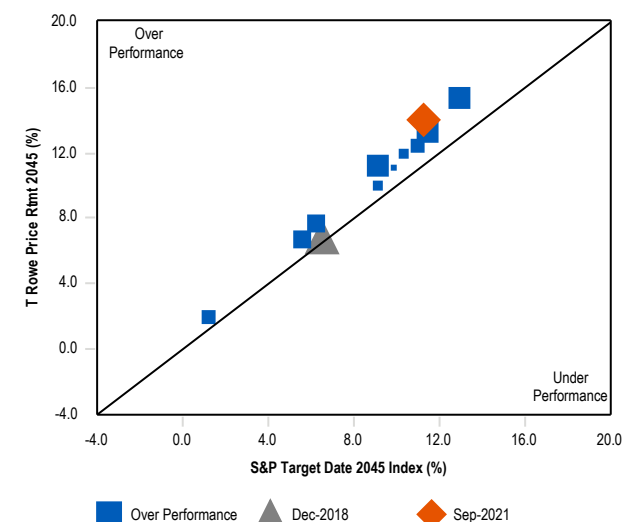
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2045).

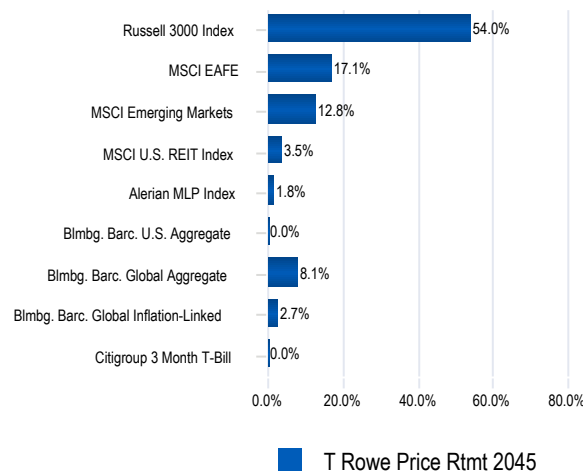
Asset Allocation As of 03/31/2021



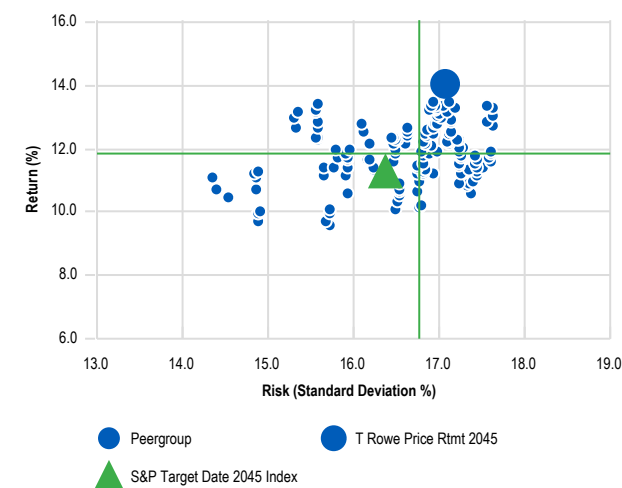
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2040 (MF)



■ T Rowe Price Rtmt 2040
● S&P Target Date 2040 Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
5th Percentile	-0.3	11.5	28.3	13.4	13.2	10.6	12.9
1st Quartile	-0.7	10.4	25.8	12.3	12.3	10.0	12.1
Median	-1.0	9.7	24.1	11.4	11.6	9.3	11.4
3rd Quartile	-1.3	9.1	23.0	10.6	11.1	8.6	10.8
95th Percentile	-1.5	7.5	18.7	9.2	9.4	7.4	9.7
Population	228	212	210	196	152	116	84

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.0	10.6
Minimum Return	-13.8	-12.5
Return	13.6	11.0
Cumulative Return	46.8	36.7
Active Return	2.5	0.0
Excess Return	13.1	10.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	107.6	100.0
Down Market Capture	97.5	100.0

Risk / Return Summary Statistics

Standard Deviation	16.4	15.7
Alpha	2.0	0.0
Active Return/Risk	0.2	0.0
Tracking Error	1.7	0.0
Information Ratio	1.5	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

State ORP

T Rowe Price Rtmt 2040

As of September 30, 2021

Fund Information

Product Name : T Rowe Price Ret:2040;I (TRPDX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPDX
 Peer Group : IM Mixed-Asset Target 2040 (MF)
 Benchmark : S&P Target Date 2040 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$8,177 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 21%

Fund Characteristics As of 03/31/2021

Total Securities 29
 Avg. Market Cap \$224,644 Million
 P/E 32.3
 P/B 6.9
 Div. Yield 1.7%
 Annual EPS 8.0
 5Yr EPS 11.7
 3Yr EPS Growth 15.2

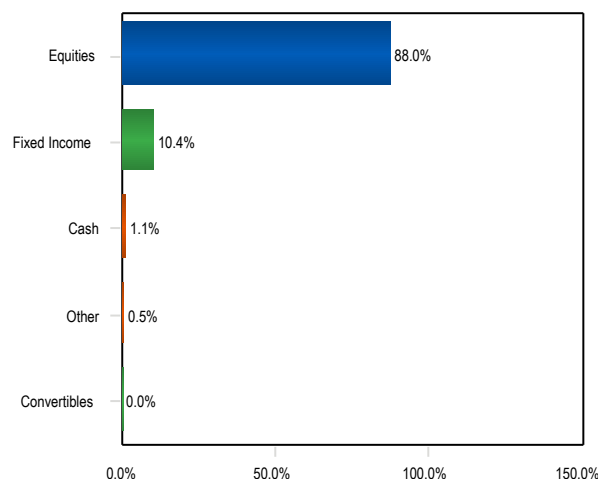
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.2	12.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	1.0	-
Tracking Error	1.7	0.0
Consistency	66.7	0.0
Up Market Capture	105.9	100.0
Down Market Capture	96.2	100.0
R-Squared	1.0	1.0

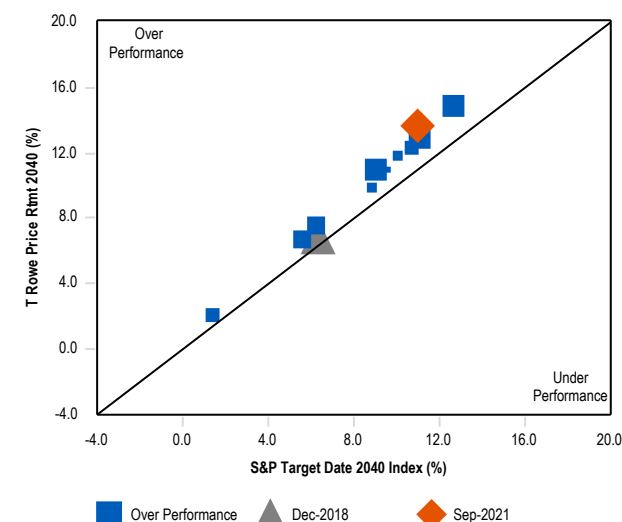
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2040).

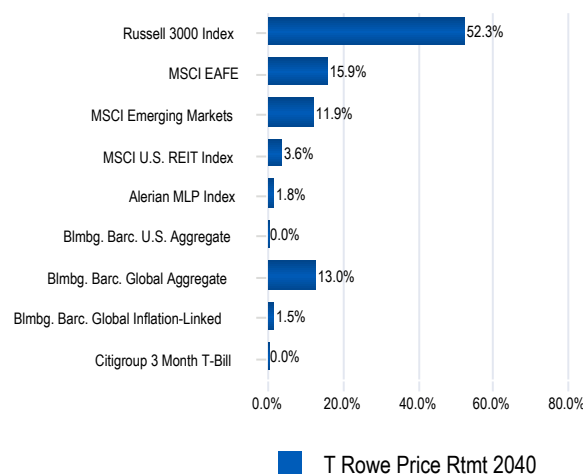
Asset Allocation As of 03/31/2021



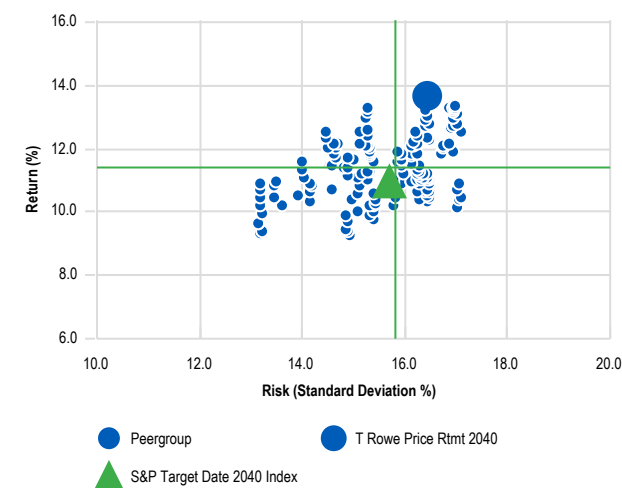
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2035 (MF)



■ T Rowe Price Rtmt 2035
● S&P Target Date 2035 Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-0.6 (27)	10.6 (5)	25.6 (2)	12.9 (1)	12.7 (3)	-	-
	-0.6 (26)	9.2 (28)	22.6 (32)	10.4 (64)	10.9 (53)	9.0 (44)	11.0 (47)

5th Percentile	-0.1	10.5	25.4	12.6	12.5	10.1	12.5
1st Quartile	-0.6	9.3	23.3	11.7	11.6	9.5	11.6
Median	-0.9	8.6	21.7	10.8	10.9	8.8	10.8
3rd Quartile	-1.1	7.9	20.1	10.1	10.3	8.2	10.1
95th Percentile	-1.3	6.2	16.3	8.8	8.9	6.9	9.0

Population	220	210	208	194	153	114	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.2	9.8
Minimum Return	-13.2	-11.6
Return	12.9	10.4
Cumulative Return	44.1	34.7
Active Return	2.4	0.0
Excess Return	12.3	9.9

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	109.2	100.0
Down Market Capture	99.6	100.0

Risk / Return Summary Statistics

Standard Deviation	15.5	14.5
Alpha	1.8	0.0
Active Return/Risk	0.2	0.0
Tracking Error	1.7	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2035;I (TRPJX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPJX
 Peer Group : IM Mixed-Asset Target 2035 (MF)
 Benchmark : S&P Target Date 2035 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$7,312 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 23%

Fund Characteristics As of 03/31/2021

Total Securities 29
 Avg. Market Cap \$211,490 Million
 P/E 30.1
 P/B 6.4
 Div. Yield 1.6%
 Annual EPS 8.0
 5Yr EPS 10.9
 3Yr EPS Growth 14.2

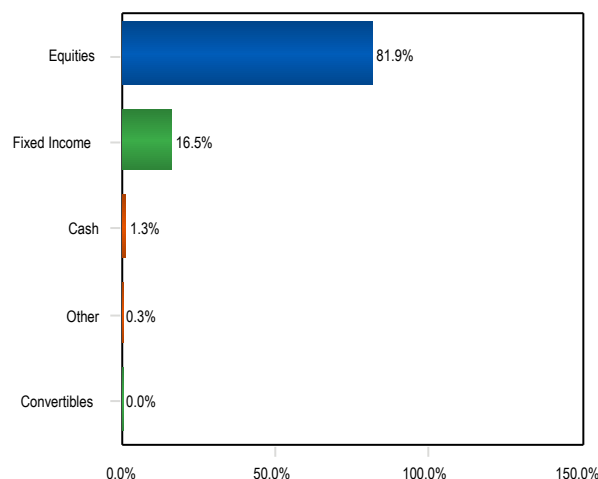
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	12.5	11.7
Beta	1.1	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	1.0	-
Tracking Error	1.7	0.0
Consistency	70.0	0.0
Up Market Capture	107.4	100.0
Down Market Capture	98.5	100.0
R-Squared	1.0	1.0

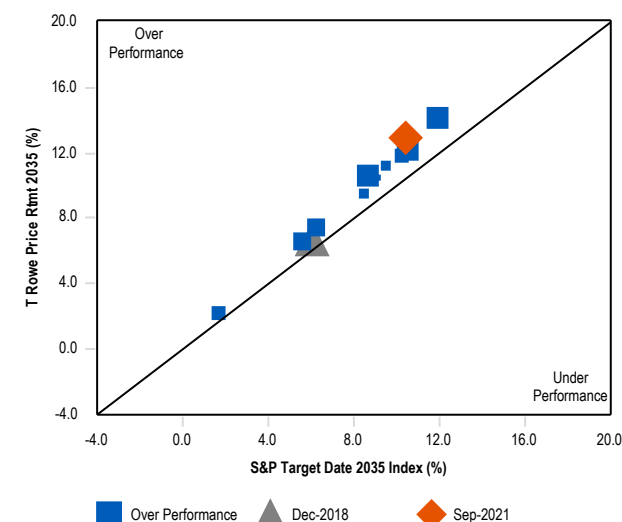
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2035).

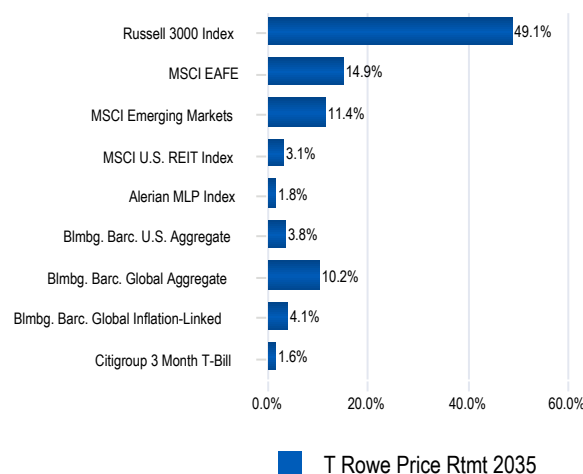
Asset Allocation As of 03/31/2021



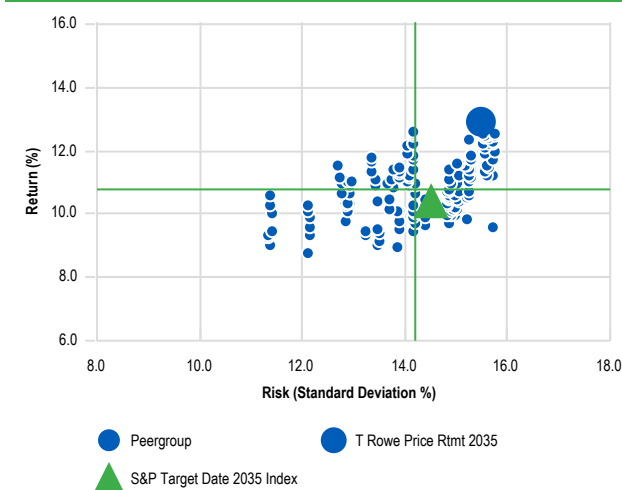
3 Year Rolling Under/Over Performance



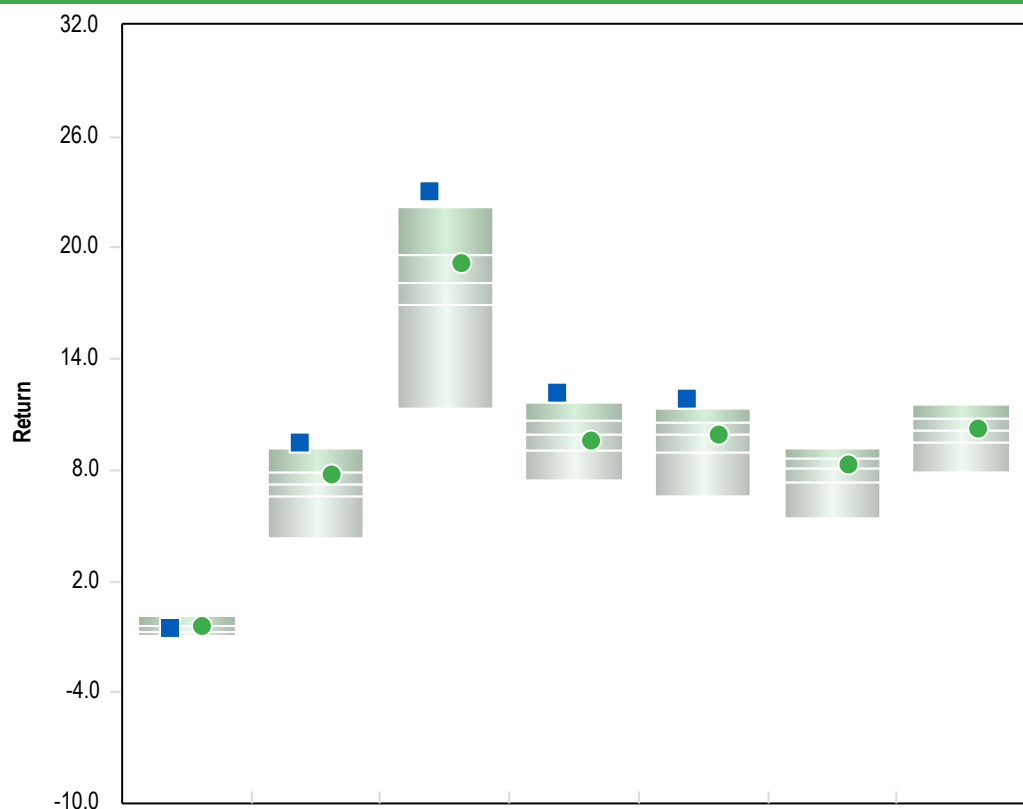
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2030 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ T Rowe Price Rtmt 2030	-0.5 (27)	9.5 (1)	23.1 (1)	12.2 (1)	11.9 (1)	-	-
● S&P Target Date 2030 Index	-0.5 (26)	7.8 (27)	19.2 (33)	9.6 (58)	9.9 (51)	8.3 (39)	10.2 (48)

5th Percentile	0.1	9.1	22.2	11.7	11.3	9.2	11.6
1st Quartile	-0.4	7.9	19.7	10.7	10.6	8.7	10.8
Median	-0.7	7.3	18.1	10.0	10.0	8.1	10.1
3rd Quartile	-0.9	6.5	16.9	9.0	9.0	7.3	9.5
95th Percentile	-1.1	4.3	11.3	7.5	6.6	5.5	7.9

Population	228	218	214	200	160	124	84
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	9.4	8.5
Minimum Return	-12.5	-10.2
Return	12.2	9.6
Cumulative Return	41.2	31.8
Active Return	2.6	0.0
Excess Return	11.4	8.9

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	114.5	100.0
Down Market Capture	105.8	100.0

Risk / Return Summary Statistics

Standard Deviation	14.4	12.8
Alpha	1.3	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.1	0.0
Information Ratio	1.2	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2030;I (TRPCX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPCX
 Peer Group : IM Mixed-Asset Target 2030 (MF)
 Benchmark : S&P Target Date 2030 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$9,974 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 26%

Fund Characteristics As of 03/31/2021

Total Securities 29
 Avg. Market Cap \$194,831 Million
 P/E 27.5
 P/B 5.9
 Div. Yield 1.5%
 Annual EPS 8.0
 5Yr EPS 10.0
 3Yr EPS Growth 13.0

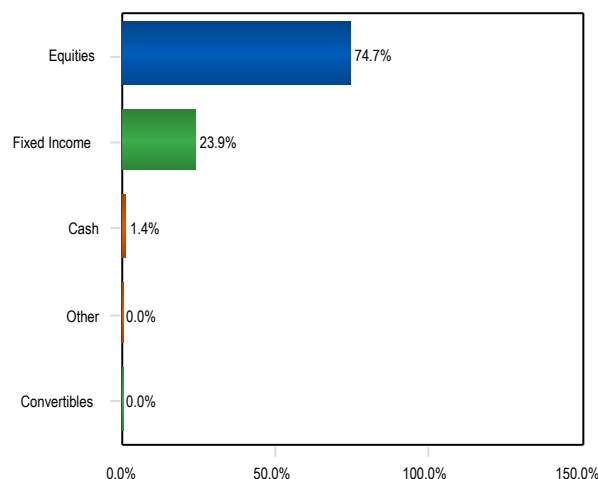
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	11.6	10.3
Beta	1.1	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	1.0	-
Tracking Error	1.9	0.0
Consistency	68.3	0.0
Up Market Capture	112.0	100.0
Down Market Capture	104.0	100.0
R-Squared	1.0	1.0

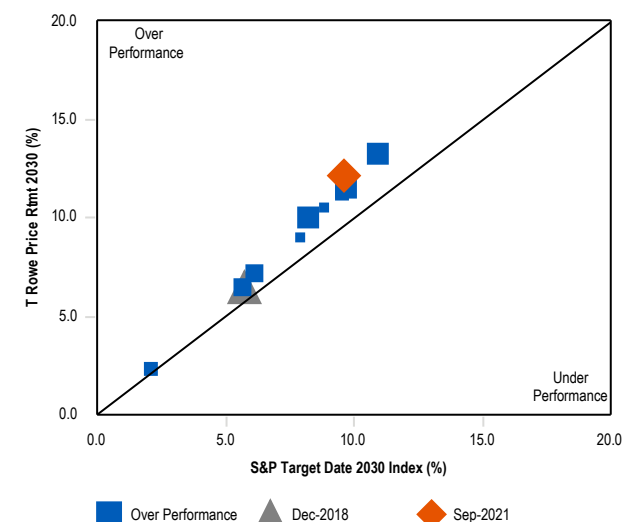
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2030).

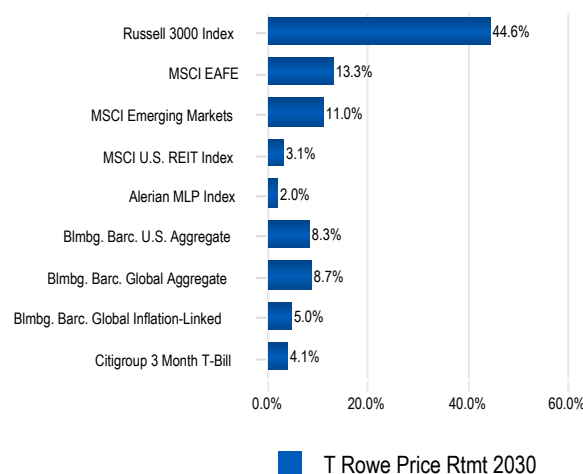
Asset Allocation As of 03/31/2021



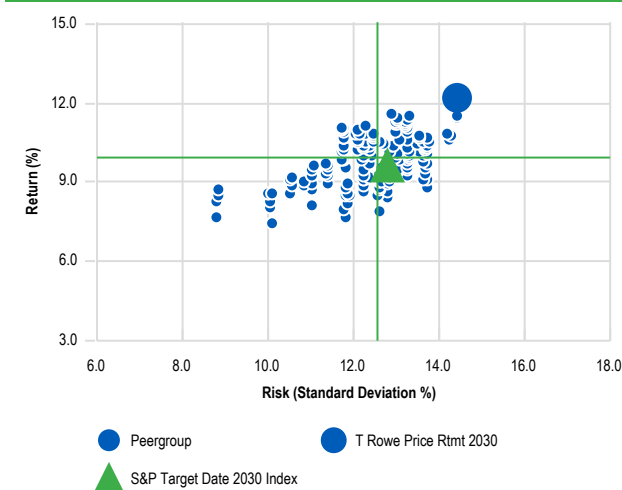
3 Year Rolling Under/Over Performance



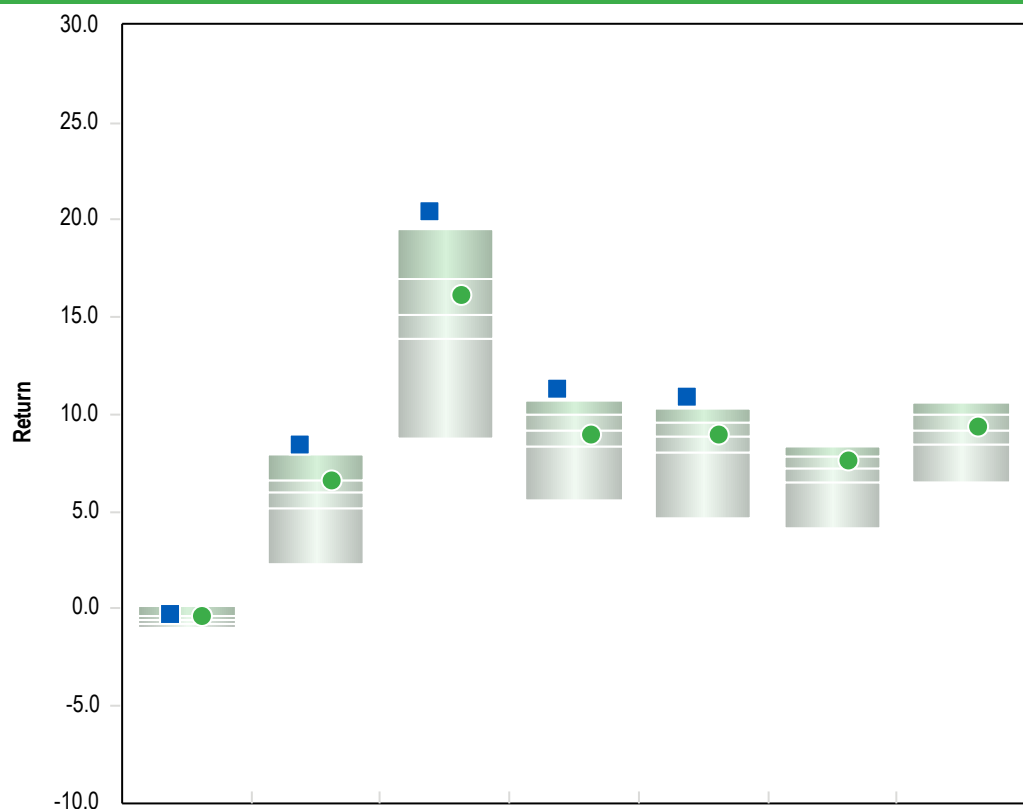
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2025 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ T Rowe Price Rtmt 2025	-0.2 (19)	8.5 (1)	20.5 (1)	11.4 (1)	10.9 (1)	-	-
● S&P Target Date 2025 Index	-0.3 (26)	6.6 (29)	16.2 (38)	9.0 (58)	9.0 (46)	7.6 (32)	9.4 (46)

5th Percentile	0.2	8.0	19.6	10.8	10.3	8.4	10.6
1st Quartile	-0.3	6.6	17.0	10.0	9.6	7.9	10.0
Median	-0.6	6.0	15.2	9.2	8.9	7.3	9.2
3rd Quartile	-0.7	5.2	13.9	8.3	8.1	6.5	8.5
95th Percentile	-1.0	2.3	8.8	5.6	4.7	4.2	6.5

Population	220	210	208	194	153	118	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	8.7	7.3
Minimum Return	-11.6	-8.8
Return	11.4	9.0
Cumulative Return	38.1	29.3
Active Return	2.5	0.0
Excess Return	10.5	8.0

Risk Summary Statistics

Beta	1.2	1.0
Up Market Capture	119.4	100.0
Down Market Capture	113.1	100.0

Risk / Return Summary Statistics

Standard Deviation	13.1	11.0
Alpha	0.7	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.4	0.0
Information Ratio	1.0	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2025;I (TRPHX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPHX
 Peer Group : IM Mixed-Asset Target 2025 (MF)
 Benchmark : S&P Target Date 2025 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$7,720 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 32%

Fund Characteristics As of 03/31/2021

Total Securities 29
 Avg. Market Cap \$171,596 Million
 P/E 24.1
 P/B 5.2
 Div. Yield 1.4%
 Annual EPS 7.9
 5Yr EPS 8.8
 3Yr EPS Growth 11.5

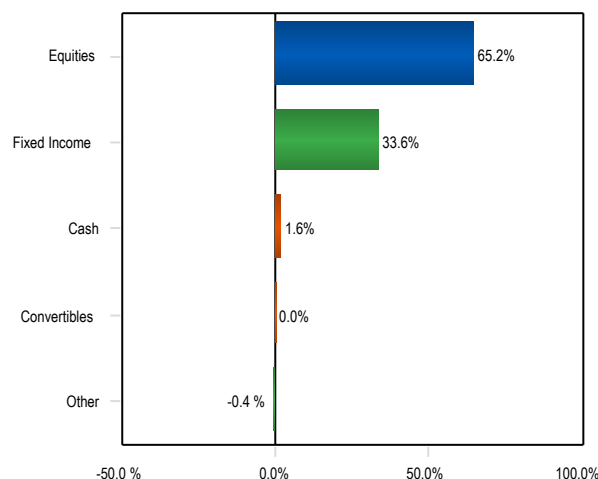
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	10.5	8.9
Beta	1.2	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.9	-
Tracking Error	2.0	0.0
Consistency	61.7	0.0
Up Market Capture	116.2	100.0
Down Market Capture	110.6	100.0
R-Squared	1.0	1.0

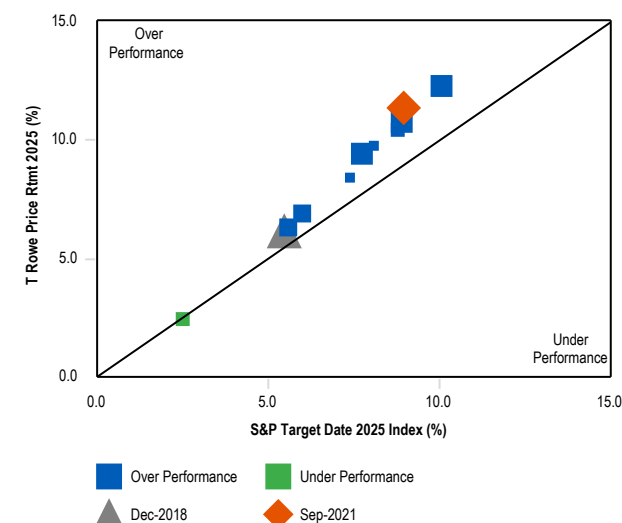
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2025).

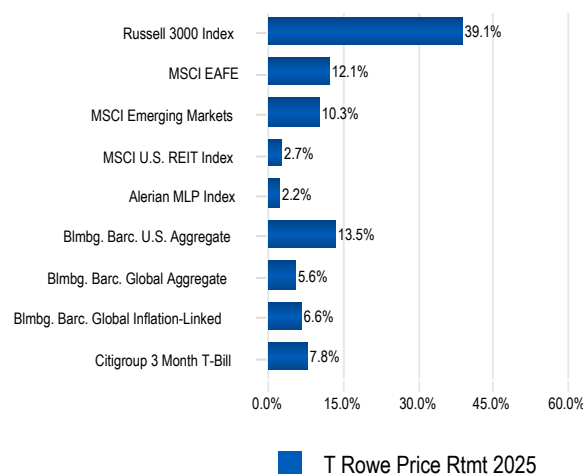
Asset Allocation As of 03/31/2021



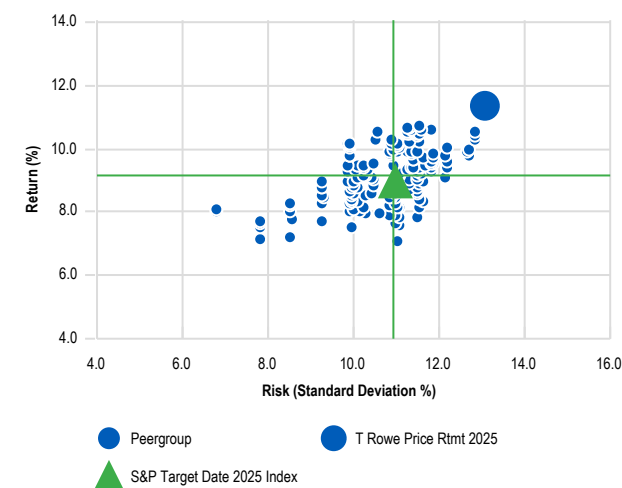
3 Year Rolling Under/Over Performance



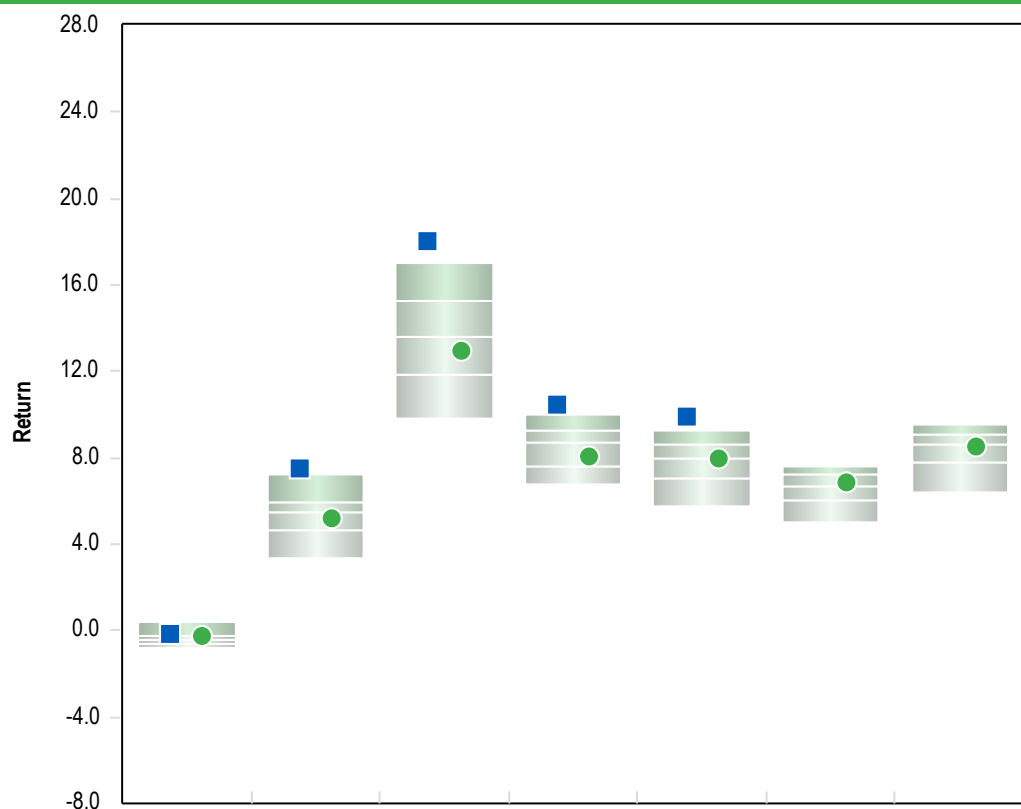
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2020 (MF)



■ T Rowe Price Rtmt 2020
● S&P Target Date 2020 Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
T Rowe Price Rtmt 2020	-0.1 (17)	7.5 (1)	18.0 (1)	10.5 (2)	9.9 (1)	-	-
S&P Target Date 2020 Index	-0.2 (25)	5.2 (63)	12.9 (66)	8.1 (64)	8.0 (52)	6.9 (41)	8.5 (55)

5th Percentile	0.4	7.3	17.0	10.0	9.3	7.6	9.5
1st Quartile	-0.3	6.0	15.2	9.3	8.6	7.2	9.1
Median	-0.5	5.5	13.6	8.7	8.0	6.6	8.6
3rd Quartile	-0.6	4.7	11.9	7.6	7.1	6.0	7.8
95th Percentile	-0.8	3.3	9.8	6.8	5.7	5.0	6.4

Population	166	159	159	156	117	87	60
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.8	6.2
Minimum Return	-10.7	-7.5
Return	10.5	8.1
Cumulative Return	34.9	26.3
Active Return	2.5	0.0
Excess Return	9.5	7.1

Risk Summary Statistics

Beta	1.3	1.0
Up Market Capture	124.7	100.0
Down Market Capture	119.8	100.0

Risk / Return Summary Statistics

Standard Deviation	11.7	9.3
Alpha	0.4	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.7	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2020;I (TRBRX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRBRX
 Peer Group : IM Mixed-Asset Target 2020 (MF)
 Benchmark : S&P Target Date 2020 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$5,930 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 35%

Fund Characteristics As of 03/31/2021

Total Securities 29
 Avg. Market Cap \$148,725 Million
 P/E 21.0
 P/B 4.5
 Div. Yield 1.2%
 Annual EPS 7.6
 5Yr EPS 7.7
 3Yr EPS Growth 10.1

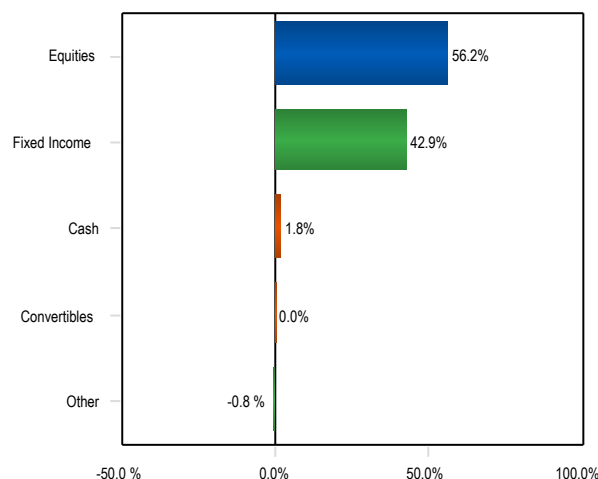
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	9.4	7.5
Beta	1.2	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.9	-
Tracking Error	2.2	0.0
Consistency	61.7	0.0
Up Market Capture	120.8	100.0
Down Market Capture	116.5	100.0
R-Squared	1.0	1.0

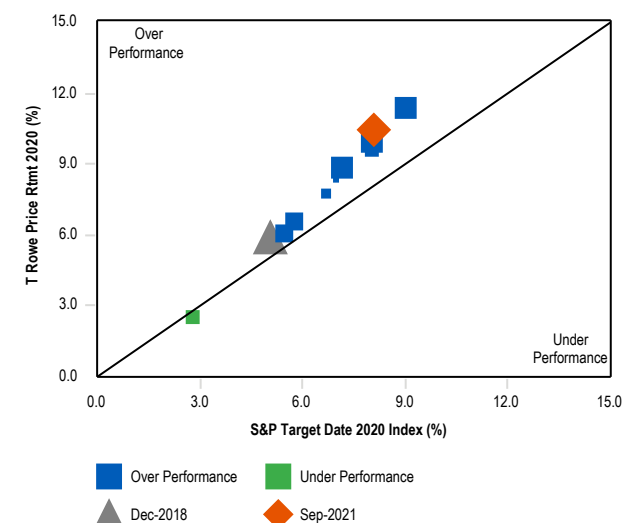
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2020).

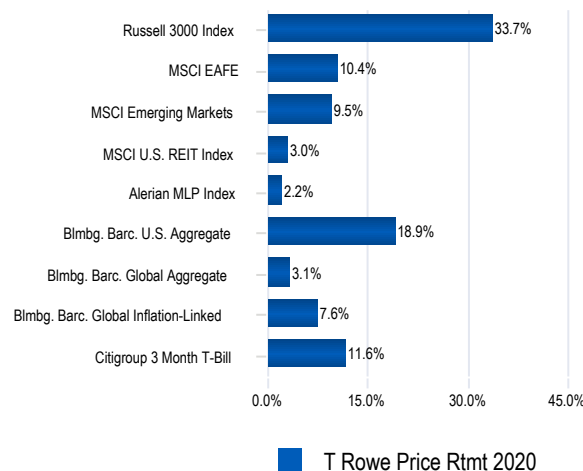
Asset Allocation As of 03/31/2021



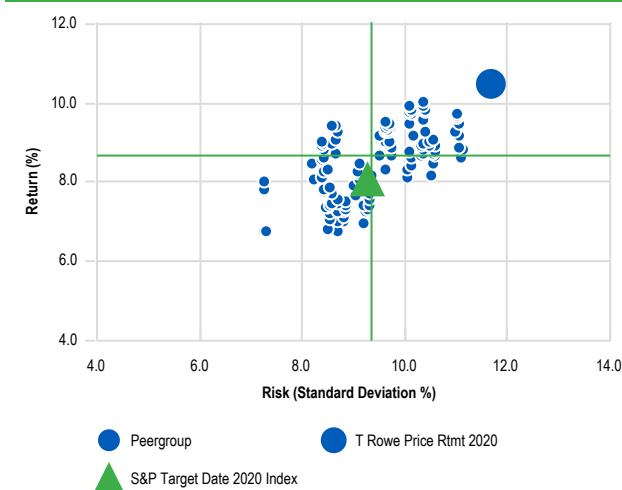
3 Year Rolling Under/Over Performance



Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2015 (MF)



■ T Rowe Price Rtmt 2015
● S&P Target Date 2015 Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
T Rowe Price Rtmt 2015	-0.1 (14)	6.9 (1)	16.4 (1)	10.0 (1)	9.0 (1)	-	-
S&P Target Date 2015 Index	-0.1 (19)	4.8 (60)	11.9 (75)	7.9 (68)	7.5 (60)	6.5 (48)	7.8 (65)

5th Percentile	0.3	6.5	15.6	9.6	8.5	7.2	8.7
1st Quartile	-0.2	5.8	13.6	8.9	8.1	6.7	8.4
Median	-0.3	5.1	12.9	8.4	7.6	6.4	8.0
3rd Quartile	-0.4	4.6	11.8	7.8	7.2	6.0	7.4
95th Percentile	-0.7	3.8	10.2	6.6	5.5	4.8	6.6

Population	119	112	112	109	75	56	43
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.1	5.7
Minimum Return	-9.7	-6.7
Return	10.0	7.9
Cumulative Return	33.1	25.8
Active Return	2.1	0.0
Excess Return	8.9	6.8

Risk Summary Statistics

Beta	1.2	1.0
Up Market Capture	121.0	100.0
Down Market Capture	115.6	100.0

Risk / Return Summary Statistics

Standard Deviation	10.4	8.4
Alpha	0.3	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.4	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.9	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2015;I (TRFGX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRFGX
 Peer Group : IM Mixed-Asset Target 2015 (MF)
 Benchmark : S&P Target Date 2015 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$1,751 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.4%
 Net Expense : 0.4%
 Turnover : 34%

Fund Characteristics As of 03/31/2021

Total Securities 26
 Avg. Market Cap \$127,818 Million
 P/E 18.2
 P/B 3.9
 Div. Yield 1.1%
 Annual EPS 7.7
 5Yr EPS 6.7
 3Yr EPS Growth 8.8

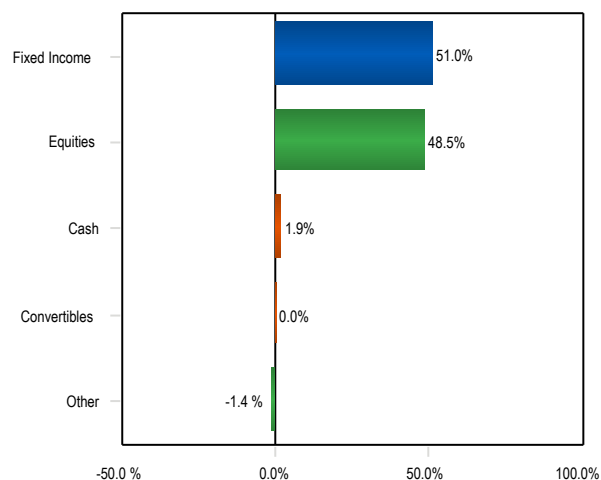
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	8.3	6.8
Beta	1.2	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.8	-
Tracking Error	1.9	0.0
Consistency	60.0	0.0
Up Market Capture	117.3	100.0
Down Market Capture	112.7	100.0
R-Squared	1.0	1.0

Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2015).

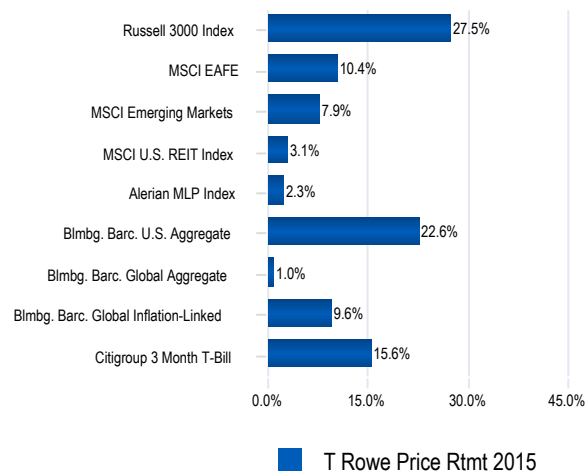
Asset Allocation As of 03/31/2021



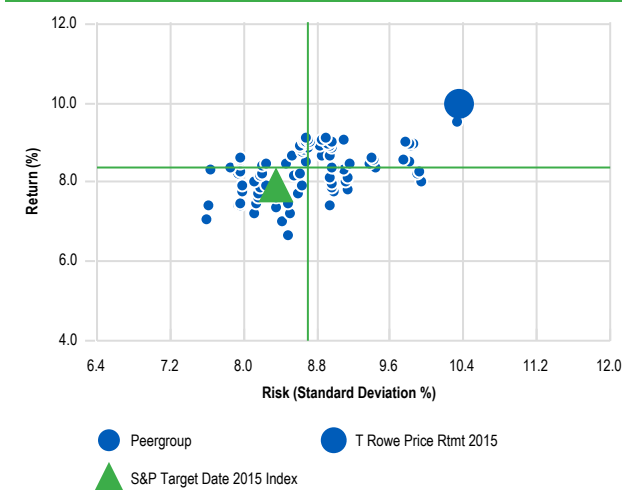
3 Year Rolling Under/Over Performance



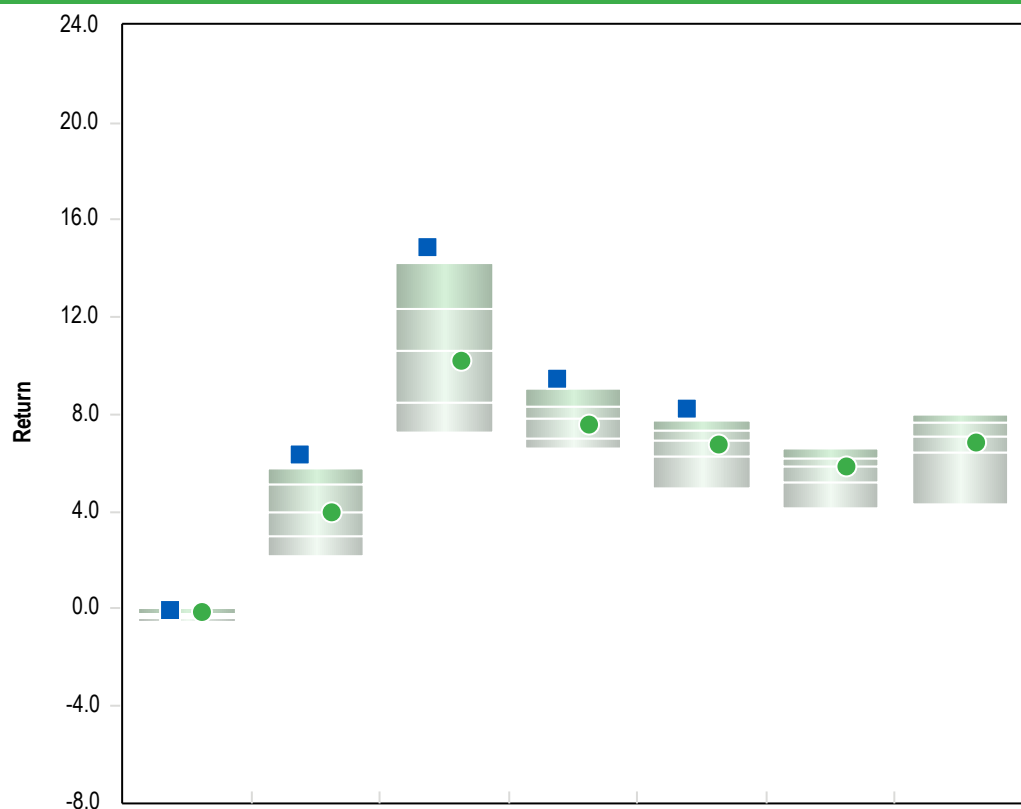
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2010 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ T Rowe Price Rtmt 2010	0.0 (9)	6.3 (1)	14.9 (1)	9.5 (1)	8.2 (1)	-	-
● S&P Target Date 2010 Index	-0.1 (17)	4.0 (52)	10.2 (61)	7.6 (63)	6.8 (61)	5.9 (47)	6.8 (65)

5th Percentile	0.1	5.8	14.2	9.0	7.7	6.6	8.0
1st Quartile	-0.2	5.1	12.4	8.3	7.3	6.2	7.6
Median	-0.3	4.0	10.6	7.9	6.9	5.9	7.1
3rd Quartile	-0.4	3.0	8.5	7.0	6.3	5.2	6.5
95th Percentile	-0.5	2.2	7.3	6.6	4.9	4.1	4.3

Population	122	113	113	109	73	61	48
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	6.4	5.2
Minimum Return	-9.0	-5.8
Return	9.5	7.6
Cumulative Return	31.3	24.4
Active Return	2.0	0.0
Excess Return	8.4	6.4

Risk Summary Statistics

Beta	1.3	1.0
Up Market Capture	123.8	100.0
Down Market Capture	121.0	100.0

Risk / Return Summary Statistics

Standard Deviation	9.4	7.3
Alpha	0.0	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.4	0.0
Information Ratio	0.8	-
Sharpe Ratio	0.9	0.9

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : T Rowe Price Ret:2010;I (TRPAX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TRPAX
 Peer Group : IM Mixed-Asset Target 2010 (MF)
 Benchmark : S&P Target Date 2010 Index
 Fund Inception : 09/29/2015
 Portfolio Manager : Team Managed
 Total Assets : \$942 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 36%

Fund Characteristics As of 03/31/2021

Total Securities 26
 Avg. Market Cap \$119,673 Million
 P/E 16.4
 P/B 3.5
 Div. Yield 1.0%
 Annual EPS 7.5
 5Yr EPS 6.0
 3Yr EPS Growth 7.9

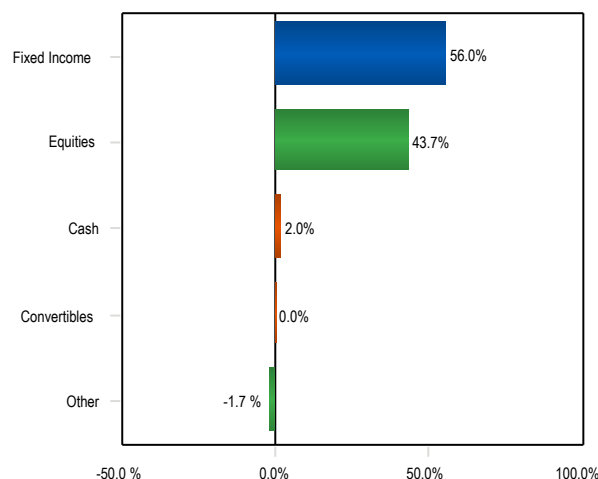
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	7.6	6.0
Beta	1.3	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.8	-
Tracking Error	1.9	0.0
Consistency	65.0	0.0
Up Market Capture	120.3	100.0
Down Market Capture	118.2	100.0
R-Squared	1.0	1.0

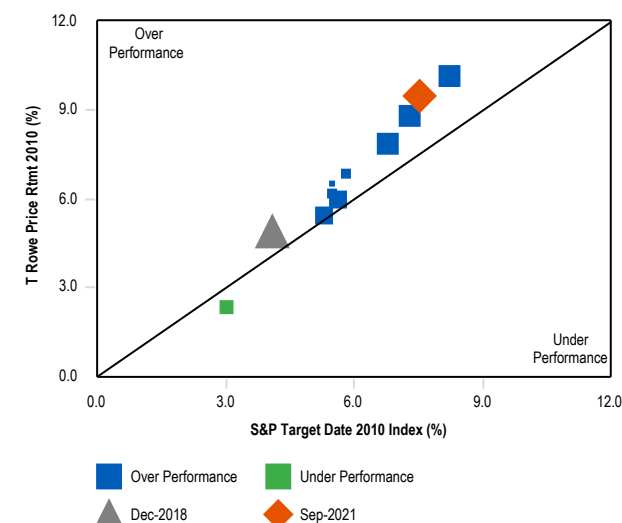
Fund Objective

The Fund seeks the highest total return over time consistent with an emphasis on both capital growth and income. The Fund invests in a diversified portfolio of other T. Rowe Price stock and bond funds that represent various asset classes and sectors. It is managed based on the specific retirement year (target date 2010).

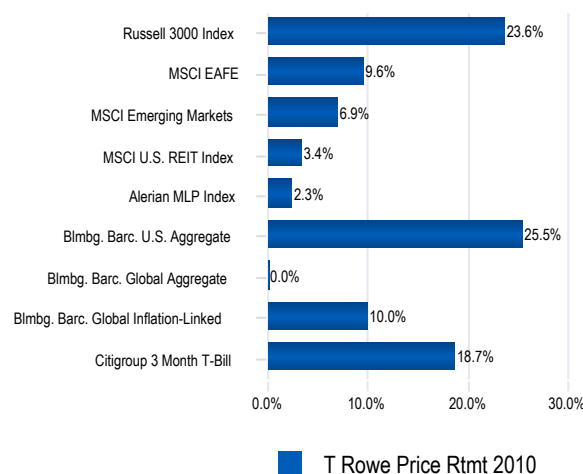
Asset Allocation As of 03/31/2021



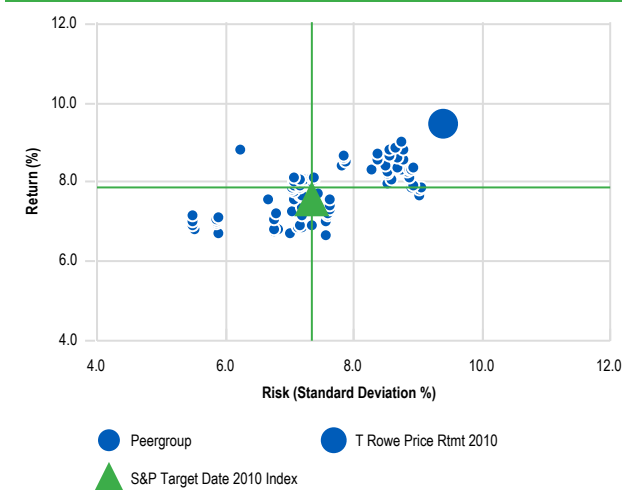
3 Year Rolling Under/Over Performance



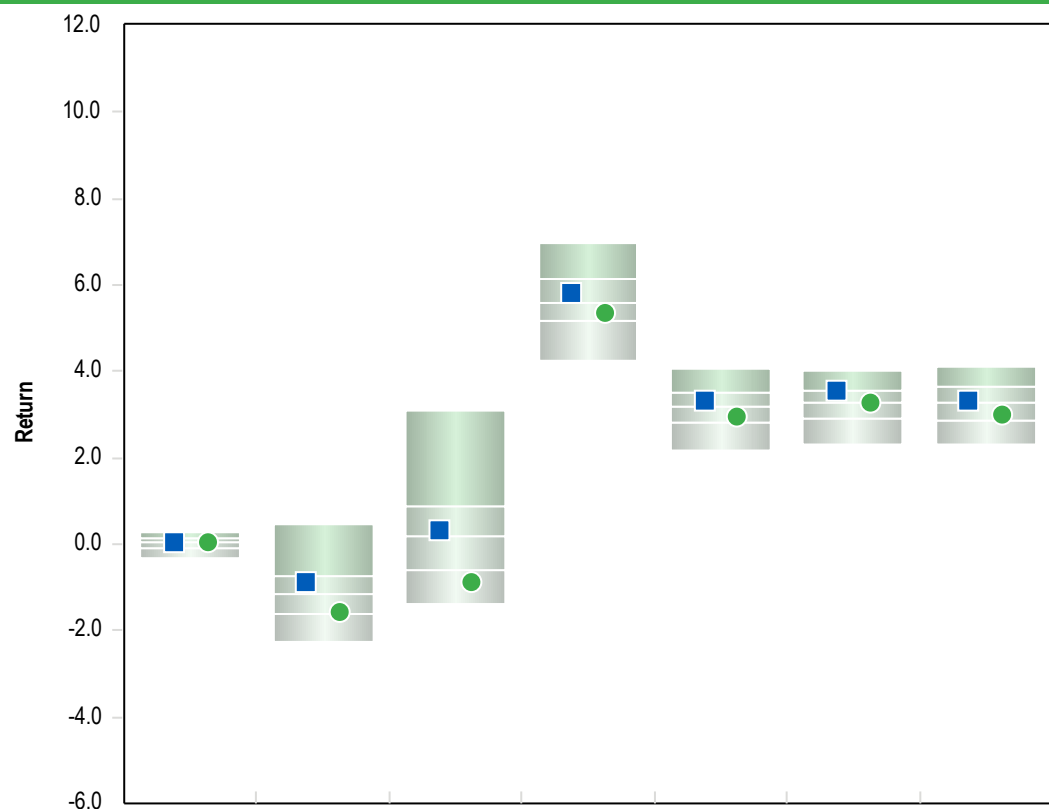
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM U.S. Broad Market Core Fixed Income (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
JP Morgan Core Bond R6	0.1 (44)	-0.9 (31)	0.3 (46)	5.8 (38)	3.3 (40)	3.6 (26)	3.3 (46)
Blmbg. U.S. Aggregate	0.1 (44)	-1.6 (71)	-0.9 (83)	5.4 (63)	2.9 (66)	3.3 (52)	3.0 (66)

5th Percentile	0.3	0.5	3.1	6.9	4.1	4.0	4.1
1st Quartile	0.1	-0.7	0.9	6.2	3.5	3.6	3.6
Median	0.0	-1.2	0.2	5.6	3.2	3.3	3.3
3rd Quartile	-0.1	-1.6	-0.6	5.2	2.8	2.9	2.9
95th Percentile	-0.3	-2.3	-1.4	4.2	2.2	2.3	2.3

Population	502	496	490	465	411	351	305
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.8	2.6
Minimum Return	-1.7	-1.4
Return	5.8	5.4
Cumulative Return	18.5	16.9
Active Return	0.5	0.0
Excess Return	4.6	4.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	106.7	100.0
Down Market Capture	103.0	100.0

Risk / Return Summary Statistics

Standard Deviation	3.7	3.5
Alpha	0.4	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.9	0.0
Information Ratio	0.5	-
Sharpe Ratio	1.3	1.2

Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	1.0	1.0

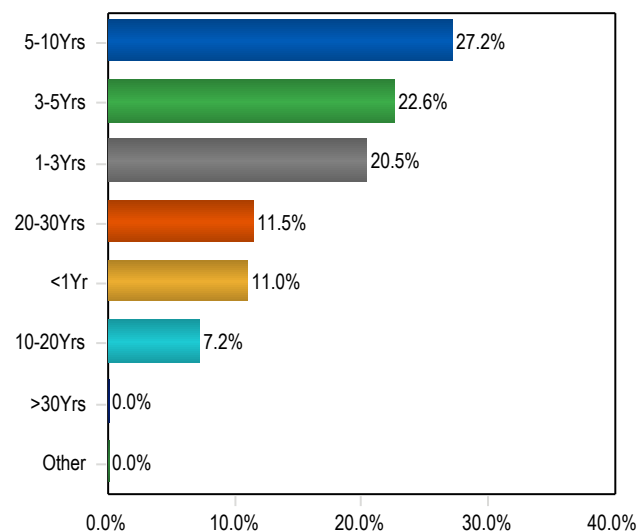
Fund Information

Product Name : JPMorgan Core Bond R6 (JCBUX)
 Fund Family : JPMorgan Funds
 Ticker : JCBUX
 Peer Group : IM U.S. Broad Market Core Fixed Income (MF)
 Benchmark : Blmbg. U.S. Aggregate
 Fund Inception : 02/22/2005
 Portfolio Manager : Figuly/Rucker/Lear
 Total Assets : \$20,500 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 74%

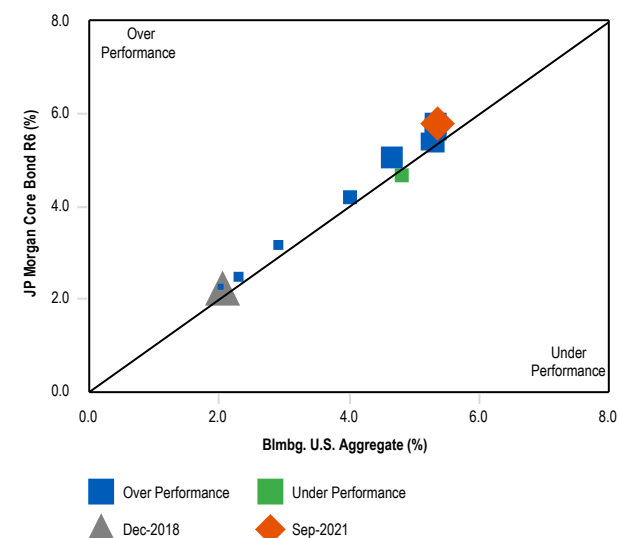
Fund Characteristics As of 03/31/2021

Avg. Coupon
 Nominal Maturity
 Effective Maturity 7.50 Years
 Duration 5.73 Years
 SEC 30 Day Yield 3.4
 Avg. Credit Quality AA

Maturity Distribution As of 03/31/2021



3 Year Rolling Under/Over Performance



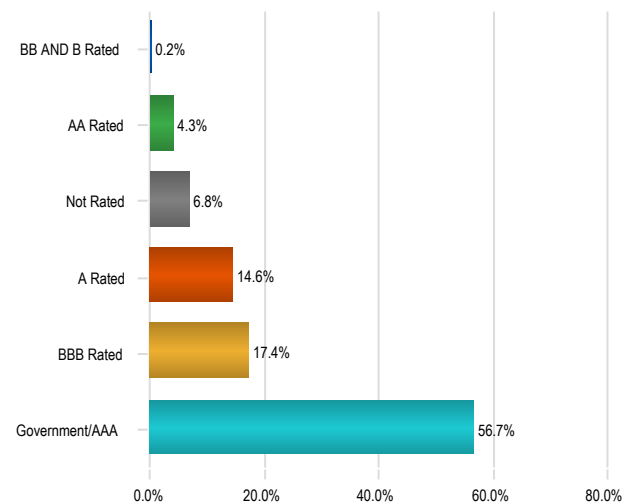
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.4	3.3
Beta	1.0	1.0
Sharpe Ratio	0.7	0.6
Information Ratio	0.5	-
Tracking Error	0.7	0.0
Consistency	61.7	0.0
Up Market Capture	105.2	100.0
Down Market Capture	98.0	100.0
R-Squared	1.0	1.0

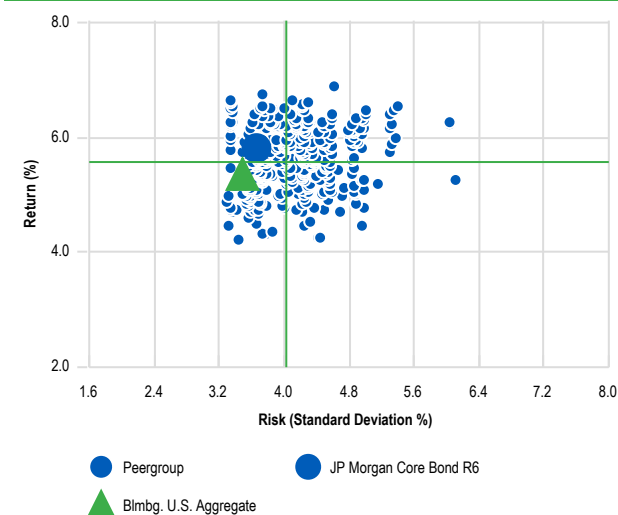
Fund Objective

The Fund seeks to maximize total return by investing primarily in a diversified portfolio of intermediate and long-term debt securities. The Fund invests mainly in investment grade bonds and debt securities or unrated bonds and debt securities which the Adviser determines to be of comparable quality.

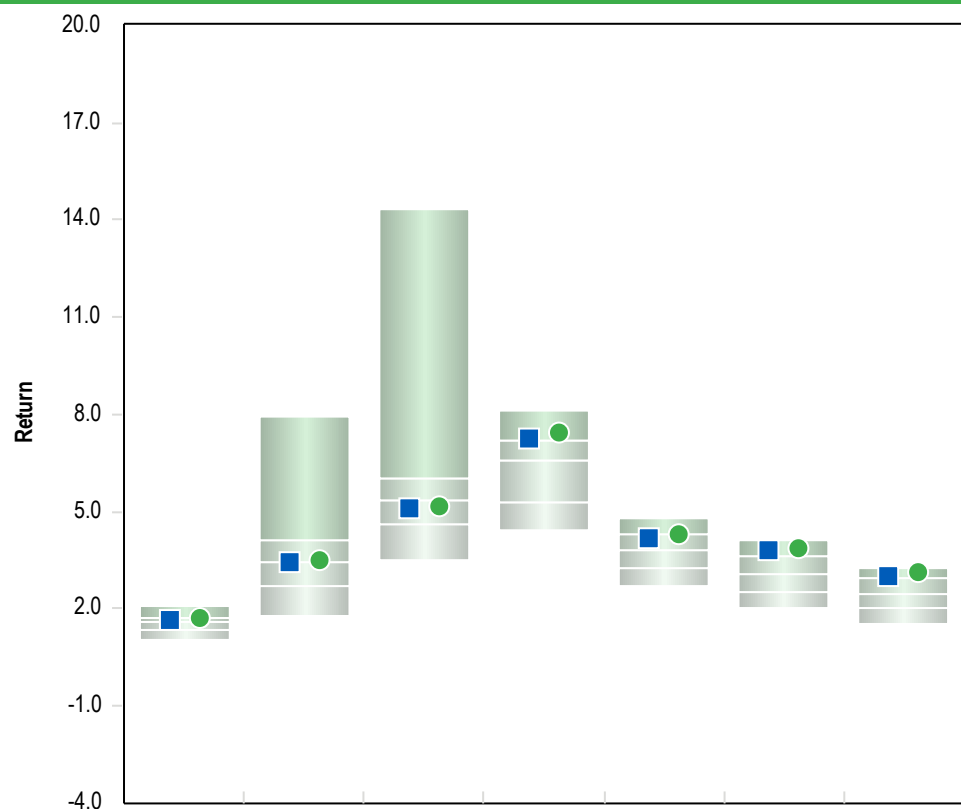
Quality Allocation As of 03/31/2021



Peer Group Scattergram - 36 Months



IM U.S. TIPS (MF)



■ Vanguard Inflation-Protectd Secs Fd
● Blmbg. U.S. TIPS

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Vanguard Inflation-Protectd Secs Fd	1.7 (34)	3.4 (55)	5.1 (59)	7.3 (24)	4.2 (33)	3.8 (18)	3.0 (19)
Blmbg. U.S. TIPS	1.8 (24)	3.5 (49)	5.2 (56)	7.4 (18)	4.3 (24)	3.9 (11)	3.1 (12)

5th Percentile	2.1	8.0	14.3	8.1	4.8	4.1	3.3
1st Quartile	1.7	4.1	6.0	7.2	4.3	3.7	2.9
Median	1.6	3.5	5.4	6.6	3.8	3.1	2.5
3rd Quartile	1.4	2.7	4.6	5.3	3.2	2.5	2.0
95th Percentile	1.0	1.8	3.5	4.4	2.7	2.0	1.5

Population	210	209	205	200	174	144	118
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.5	2.8
Minimum Return	-1.7	-1.8
Return	7.3	7.4
Cumulative Return	23.5	24.0
Active Return	-0.2	0.0
Excess Return	6.0	6.1

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	96.2	100.0
Down Market Capture	91.8	100.0

Risk / Return Summary Statistics

Standard Deviation	3.8	4.0
Alpha	0.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.5	0.0
Information Ratio	-0.3	-
Sharpe Ratio	1.5	1.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

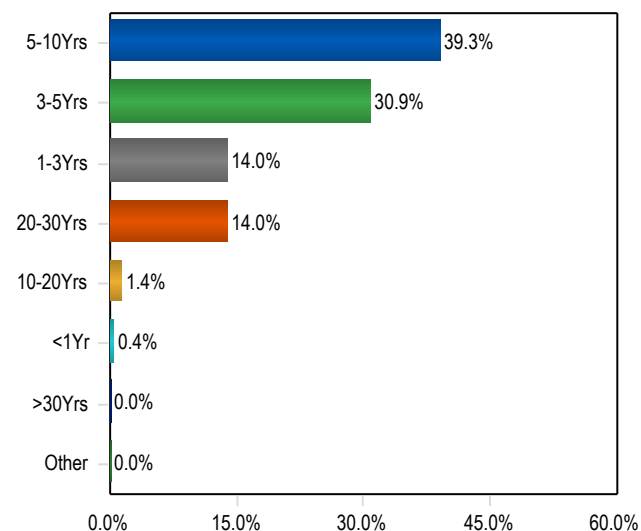
Fund Information

Product Name : Vanguard Infl-Prot;Adm (VAIPX)
 Fund Family : Vanguard Group Inc
 Ticker : VAIPX
 Peer Group : IM U.S. TIPS (MF)
 Benchmark : Blmbg. U.S. TIPS
 Fund Inception : 06/10/2005
 Portfolio Manager : Gemma Wright-Casparius
 Total Assets : \$18,980 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 48%

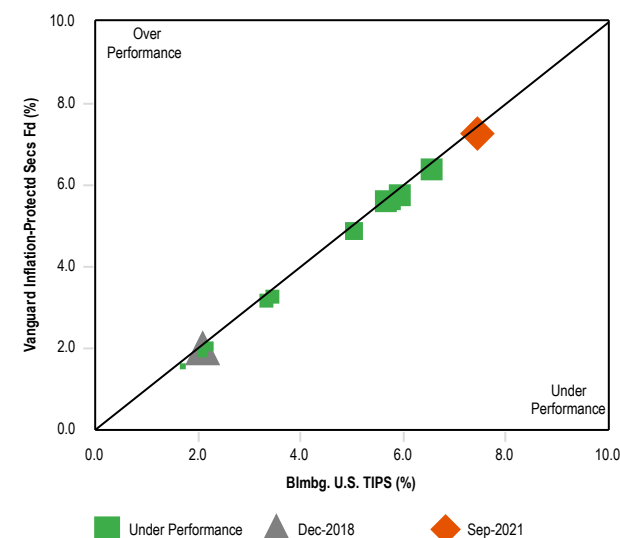
Fund Characteristics As of 12/31/2020

Avg. Coupon 0.80 %
 Nominal Maturity
 Effective Maturity 8.10 Years
 Duration 7.30 Years
 SEC 30 Day Yield 0.6
 Avg. Credit Quality AAA

Maturity Distribution As of 12/31/2020



3 Year Rolling Under/Over Performance



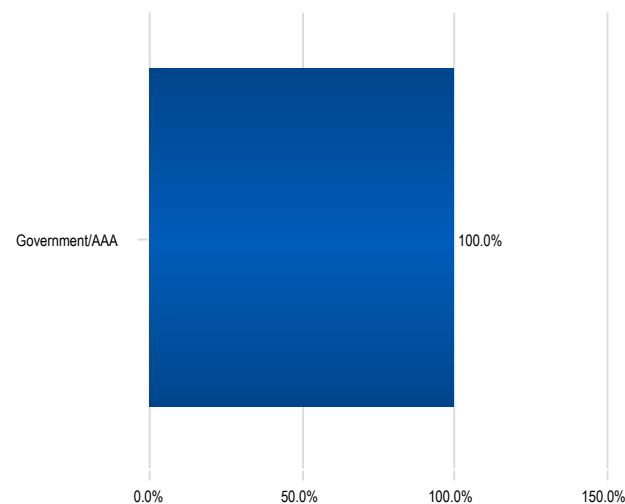
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.6	3.7
Beta	1.0	1.0
Sharpe Ratio	0.8	0.9
Information Ratio	-0.4	-
Tracking Error	0.4	0.0
Consistency	45.0	0.0
Up Market Capture	96.4	100.0
Down Market Capture	97.1	100.0
R-Squared	1.0	1.0

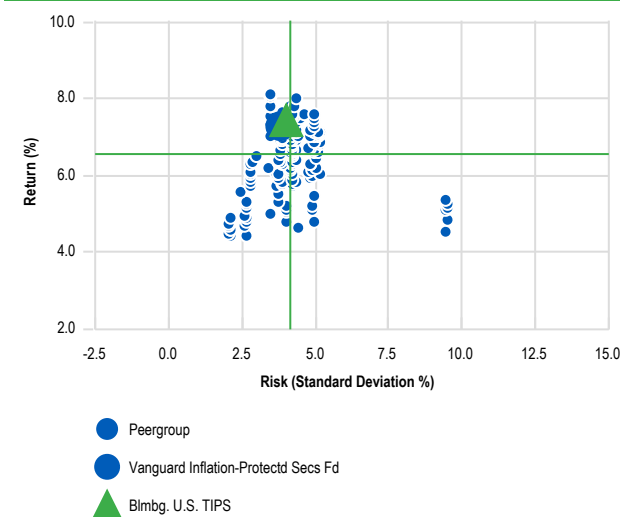
Fund Objective

The Fund seeks to provide investors inflation protection and income, consistent with investment in inflation-indexed securities. The Fund invests at least 80% of its assets in inflation-indexed bonds issued by the U.S. government, its agencies and instrumentalities, and corporations.

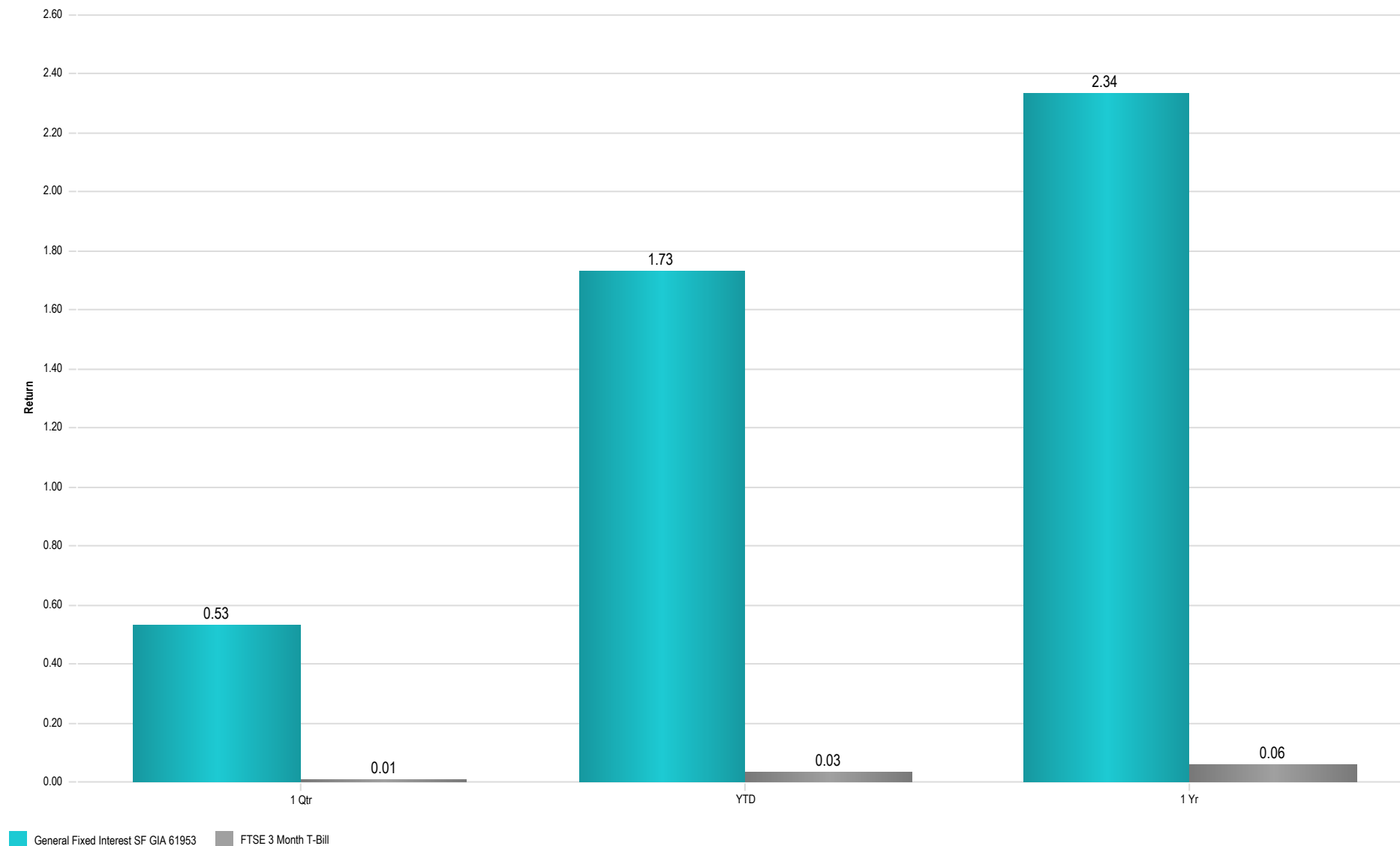
Quality Allocation As of 12/31/2020

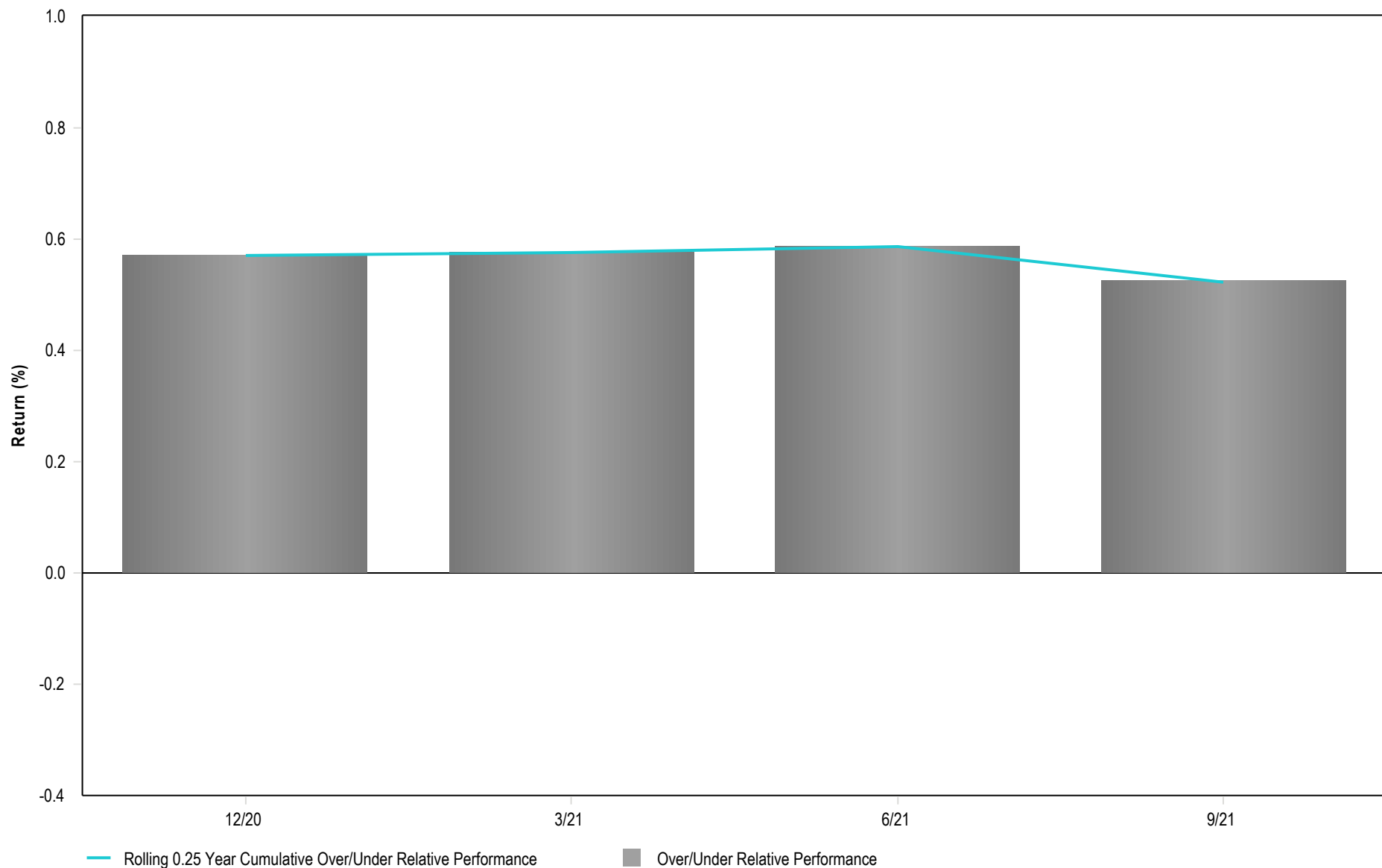


Peer Group Scattergram - 36 Months



Comparative Performance

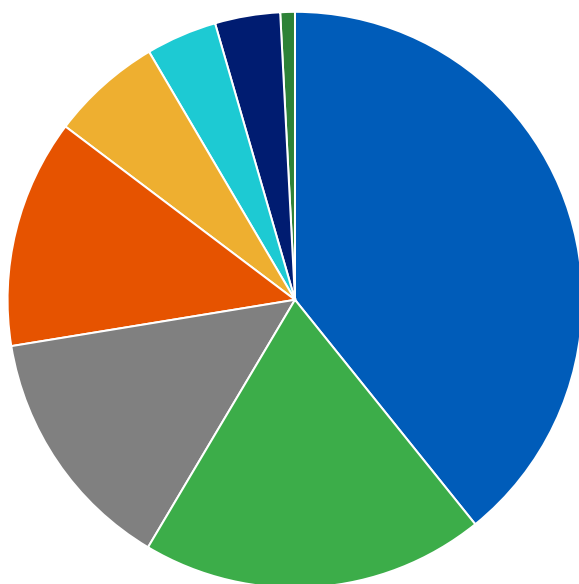




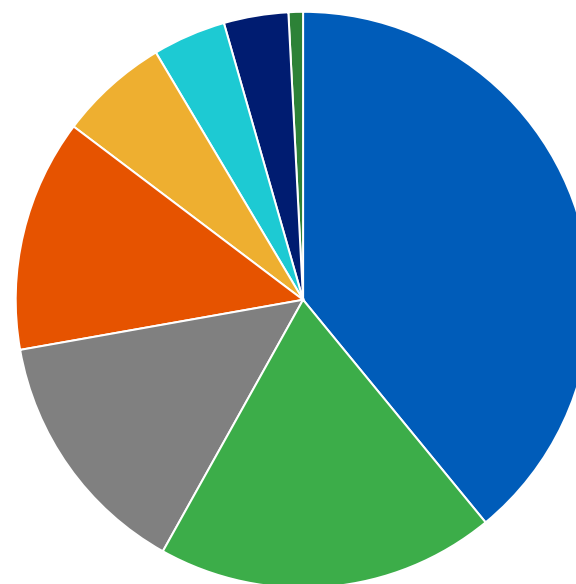
TIAA

June 30, 2021 : \$1,980,937,238

September 30, 2021 : \$1,969,434,369

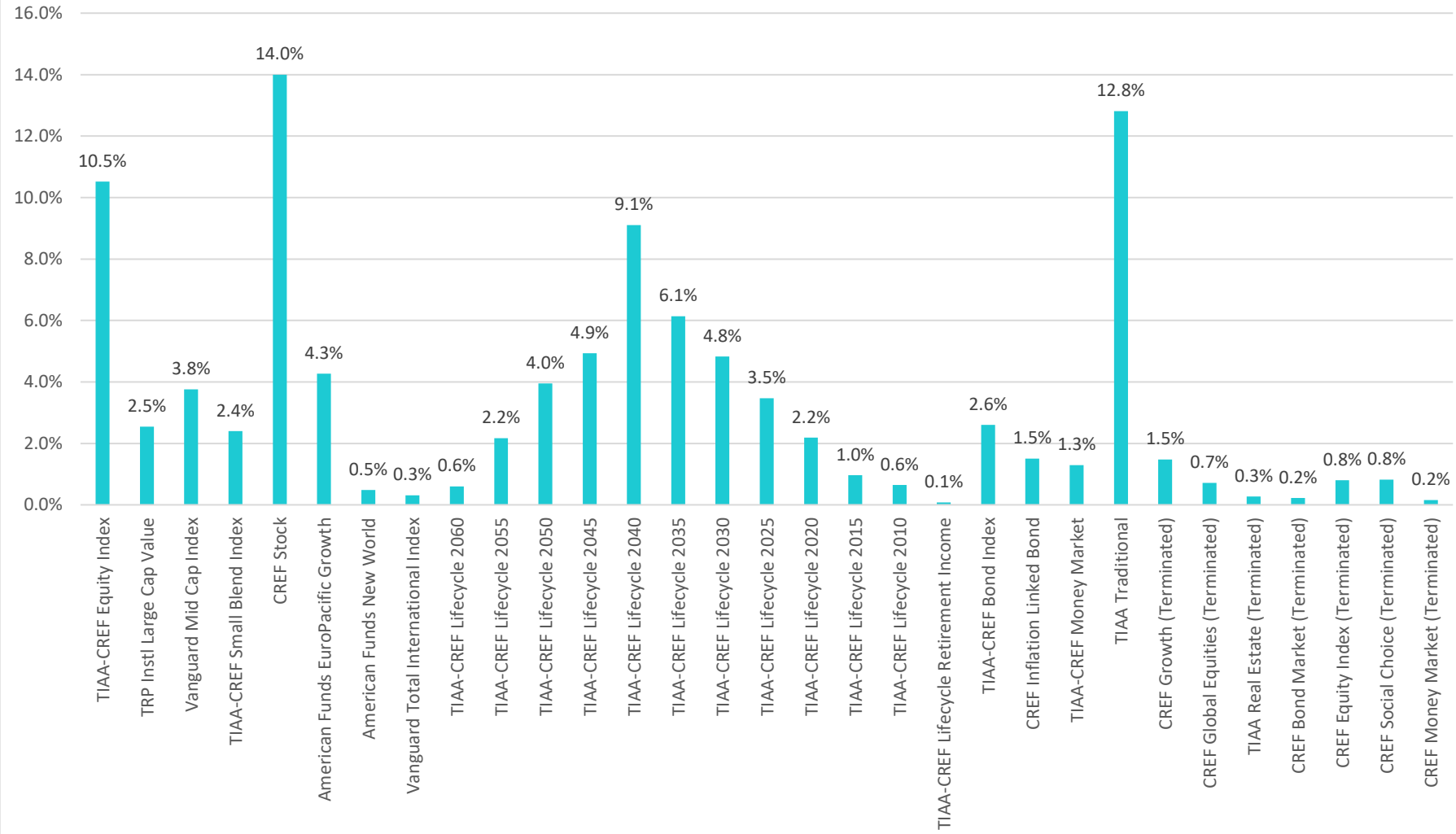


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	776,895,749	39.2
International Equity Funds	382,804,818	19.3
Money Market/Stable Value Funds	275,123,270	13.9
Domestic Equity : Multi/Large Cap Funds	254,487,569	12.8
Domestic Equity : Non-Large Cap Funds	123,550,335	6.2
Fixed Income Funds	79,151,320	4.0
Terminated Funds	72,570,099	3.7
Balanced Fund	16,354,077	0.8

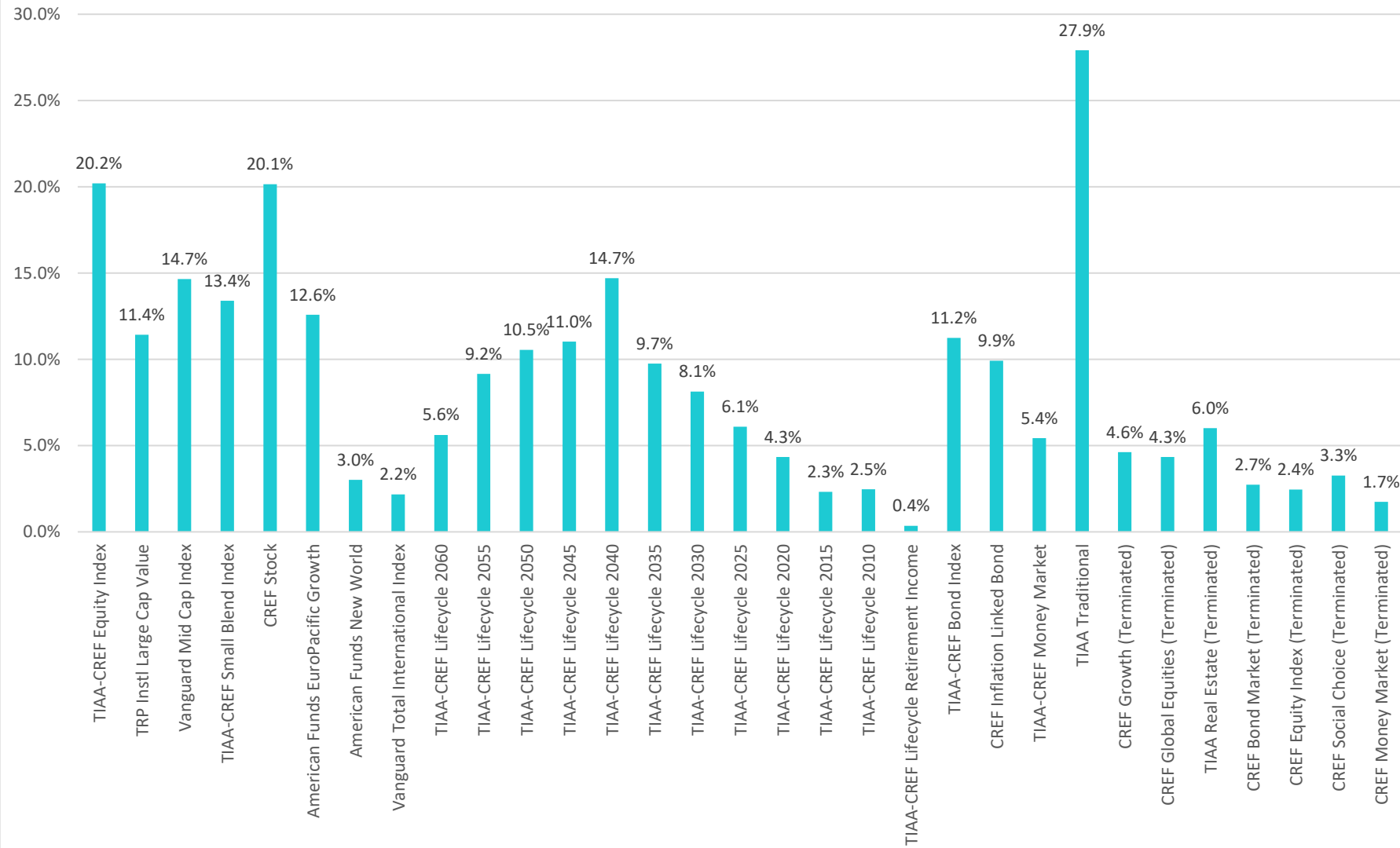


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	769,208,960	39.1
International Equity Funds	375,280,515	19.1
Money Market/Stable Value Funds	277,761,271	14.1
Domestic Equity : Multi/Large Cap Funds	257,281,172	13.1
Domestic Equity : Non-Large Cap Funds	121,220,421	6.2
Fixed Income Funds	81,030,412	4.1
Terminated Funds	71,568,904	3.6
Balanced Fund	16,082,715	0.8

TIAA Dollar Weighed Asset Allocation



TIAA Participant Weighed Asset Allocation



Fund Monitor
September 30, 2021

Fund	Performance				Risk Standard Deviation	Comment/Status
	3 Year vs Index	3 Year vs Peers	5 Year vs Index	5 Year vs Peers		
TIAA-CREF Equity Index	Pass	N/A	Pass	N/A	Pass	
TRP Instl Large Cap Value	Pass	Pass	Pass	Pass	Pass	
Vanguard Mid Cap Index	Pass	N/A	Pass	N/A	Pass	
TIAA-CREF Small Blend Index	Pass	N/A	Pass	N/A	Pass	
CREF Stock	Fail	Fail	Fail	Pass	Pass	Informal Review
American Funds EuroPacific Growth	Pass	Pass	Pass	Pass	Pass	
American Funds New World	Pass	Pass	Pass	Pass	Pass	
Vanguard Total International Index	Pass	N/A	Pass	N/A	Pass	
TIAA-CREF Lifecycle 2060	Fail	Pass	Fail	Pass	Pass	
TIAA-CREF Lifecycle 2055	Fail	Pass	Fail	Pass	Pass	
TIAA-CREF Lifecycle 2050	Fail	Pass	Fail	Pass	Pass	
TIAA-CREF Lifecycle 2045	Fail	Pass	Fail	Pass	Pass	
TIAA-CREF Lifecycle 2040	Fail	Pass	Fail	Pass	Pass	
TIAA-CREF Lifecycle 2035	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle 2030	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle 2025	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle 2020	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle 2015	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle 2010	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Lifecycle Retirement Income	Fail	Pass	Pass	Pass	Pass	
TIAA-CREF Bond Index	Pass	N/A	Pass	N/A	Pass	
CREF Inflation Linked Bond	Fail	Fail	Fail	Fail	Pass	Informal Review
TIAA-CREF Money Market	Fail	Pass	Fail	Pass	Pass	
TIAA Traditional	Pass	N/A	Pass	N/A	Pass	

Index funds must return within 30 basis points of their respective benchmarks

Actively managed funds must outperform respective benchmarks

Actively managed funds must rank in the top half of their respective peer universes

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund Composite - TIAA	1,969,434,369	100.0							
Domestic Equity : Multi/Large Cap Funds	257,281,172	13.1							
TIAA Eq Index-Inst	207,105,908	10.5	-0.1	15.0	31.8	16.0	16.8	13.9	16.6
<i>Russell 3000 Index</i>			-0.1	15.0	31.9	16.0	16.9	13.9	16.6
IM U.S. Multi-Cap Equity (MF) Median			-0.4	14.7	30.5	14.0	15.1	12.0	15.1
TIAA Eq Index-Inst Rank			40	47	43	35	36	29	27
T. Rowe Price Inst Lrg Cap Val	50,175,264	2.5	-0.3	17.7	42.1	10.5	11.4	9.7	14.0
<i>Russell 1000 Value Index</i>			-0.8	16.1	35.0	10.1	10.9	9.3	13.5
IM U.S. Large Cap Value Equity (MF) Median			-0.7	16.9	35.6	9.7	11.3	9.0	12.9
T. Rowe Price Inst Lrg Cap Val Rank			36	40	17	33	47	27	18
Domestic Equity : Non-Large Cap Funds	121,220,421	6.2							
Vanguard Mid-Cap Idx Inst	74,015,632	3.8	0.0	15.3	36.1	14.8	14.6	12.4	15.6
<i>Vanguard Spliced Mid Cap Index</i>			0.0	15.3	36.1	14.8	14.6	12.4	15.6
IM U.S. Mid Cap Core Equity (MF) Median			-0.9	15.8	38.2	11.1	11.7	9.8	13.2
Vanguard Mid-Cap Idx Inst Rank			25	56	67	9	13	12	6
TIAA Sm-Cap BI Idx-Inst	47,204,789	2.4	-4.3	12.4	47.7	10.6	13.6	12.0	14.7
<i>Russell 2000 Index</i>			-4.4	12.4	47.7	10.5	13.5	11.9	14.6
IM U.S. Small Cap Core Equity (MF) Median			-2.3	17.3	49.9	9.1	11.8	10.4	13.5
TIAA Sm-Cap BI Idx-Inst Rank			87	81	65	26	21	18	21
International Equity Funds	375,280,515	19.1							
CREF Stock R3	275,628,650	14.0	-1.3	11.9	29.1	12.9	13.9	10.5	13.1
<i>80% Russell 3000/20% MSCI EAFE + Canada (Net)</i>			-0.2	13.8	30.8	14.4	15.3	12.3	14.9
IM Global Equity (MF) Median			-0.8	11.0	28.2	13.1	13.3	10.4	12.9
CREF Stock R3 Rank			59	40	43	52	45	50	48

State ORP

Total Fund Allocation and Performance

As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
American EuroPac Growth R6	84,077,707	4.3	-2.3	4.0	24.8	13.2	12.2	9.0	10.6
MSCI AC World ex USA (Net)			-3.0	5.9	23.9	8.0	8.9	5.7	7.5
IM International Large Cap Growth Equity (MF) Median			-1.7	5.5	20.6	11.5	10.8	7.5	9.1
American EuroPac Growth R6 Rank			56	67	18	19	21	17	10
American Funds New World R6	9,450,596	0.5	-4.8	4.9	25.3	15.7	13.5	9.4	10.1
MSCI EM (net)			-8.1	-1.2	18.2	8.6	9.2	5.6	6.1
IM Emerging Markets Equity (MF) Median			-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
American Funds New World R6 Rank			24	21	23	11	8	7	3
Vanguard Total International Index	6,123,561	0.3	-3.0	6.4	24.4	8.3	9.0	6.0	7.9
Vanguard Spliced Total Int'l Stock Index (Net)			-2.5	6.9	25.4	8.5	9.3	6.2	7.9
IM International Multi-Cap Core Equity (MF) Median			-1.4	7.7	24.6	7.2	8.3	5.5	7.9
Vanguard Total International Index Rank			82	71	54	26	26	31	54
Target-Date Retirement Funds	769,208,960	39.1							
TIAA Lifecycle 2060-Inst	11,807,806	0.6	-1.5	10.9	27.1	12.2	13.4	10.8	
TIAA-CREF Lifecycle 2060 Active Composite Index			-0.8	11.6	27.7	13.3	13.9	11.1	
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
TIAA Lifecycle 2060-Inst Rank			87	37	55	45	9	9	
TIAA Lifecycle 2055 Instl	42,692,442	2.2	-1.4	10.9	26.8	12.1	13.3	10.7	12.9
TIAA-CREF Lifecycle 2055 Active Composite Index			-0.8	11.4	27.3	13.2	13.8	11.0	13.2
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
TIAA Lifecycle 2055 Instl Rank			79	41	60	47	14	11	16
TIAA Lifecycle 2050 Instl	77,832,462	4.0	-1.4	10.7	26.4	12.0	13.2	10.6	12.8
TIAA-CREF Lifecycle 2050 Active Composite Index			-0.7	11.2	26.9	13.1	13.6	10.9	13.1
IM Mixed-Asset Target 2050 (MF) Median			-1.2	10.6	26.8	12.0	12.3	9.8	12.0
TIAA Lifecycle 2050 Instl Rank			79	47	58	47	14	13	13

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
TIAA Lifecycle 2045 Instl	97,098,045	4.9	-1.4	10.4	25.9	11.9	13.0	10.5	12.7
<i>TIAA-CREF Lifecycle 2045 Active Composite Index</i>			-0.7	10.9	26.3	12.9	13.5	10.8	13.0
IM Mixed-Asset Target 2045 (MF) Median			-1.1	10.4	25.9	11.9	12.1	9.6	11.7
TIAA Lifecycle 2045 Instl Rank			81	49	50	49	15	17	14
TIAA Lifecycle 2040 Instl	179,209,744	9.1	-1.3	9.3	23.5	11.3	12.4	10.0	12.4
<i>TIAA-CREF Lifecycle 2040 Active Composite Index</i>			-0.6	9.7	23.6	12.3	12.8	10.3	12.6
IM Mixed-Asset Target 2040 (MF) Median			-1.0	9.7	24.1	11.4	11.6	9.3	11.4
TIAA Lifecycle 2040 Instl Rank			78	65	62	53	23	25	17
TIAA Lifecycle 2035 Instl	120,936,690	6.1	-1.0	8.4	21.1	10.8	11.6	9.4	11.8
<i>TIAA-CREF Lifecycle 2035 Active Composite Index</i>			-0.6	8.6	21.1	11.7	11.9	9.7	12.0
IM Mixed-Asset Target 2035 (MF) Median			-0.9	8.6	21.7	10.8	10.9	8.8	10.8
TIAA Lifecycle 2035 Instl Rank			56	56	60	50	28	27	18
TIAA Lifecycle 2030 Instl	95,106,209	4.8	-0.8	7.4	18.7	10.2	10.7	8.8	11.0
<i>TIAA-CREF Lifecycle 2030 Active Composite Index</i>			-0.5	7.6	18.7	11.1	11.0	9.0	11.1
IM Mixed-Asset Target 2030 (MF) Median			-0.7	7.3	18.1	10.0	10.0	8.1	10.1
TIAA Lifecycle 2030 Instl Rank			63	44	40	43	22	19	17
TIAA Lifecycle 2025 Instl	68,327,895	3.5	-0.6	6.6	16.4	9.6	9.8	8.2	10.2
<i>TIAA-CREF Lifecycle 2025 Active Composite Index</i>			-0.3	6.6	16.4	10.4	10.1	8.4	10.2
IM Mixed-Asset Target 2025 (MF) Median			-0.6	6.0	15.2	9.2	8.9	7.3	9.2
TIAA Lifecycle 2025 Instl Rank			53	25	33	37	15	12	16
TIAA Lifecycle 2020 Instl	43,004,269	2.2	-0.4	5.7	14.3	9.0	8.9	7.6	9.3
<i>TIAA-CREF Lifecycle 2020 Active Composite Index</i>			-0.2	5.7	14.1	9.7	9.2	7.7	9.3
IM Mixed-Asset Target 2020 (MF) Median			-0.5	5.5	13.6	8.7	8.0	6.6	8.6
TIAA Lifecycle 2020 Instl Rank			45	42	37	38	14	8	14

State ORP

Total Fund Allocation and Performance

As of September 30, 2021

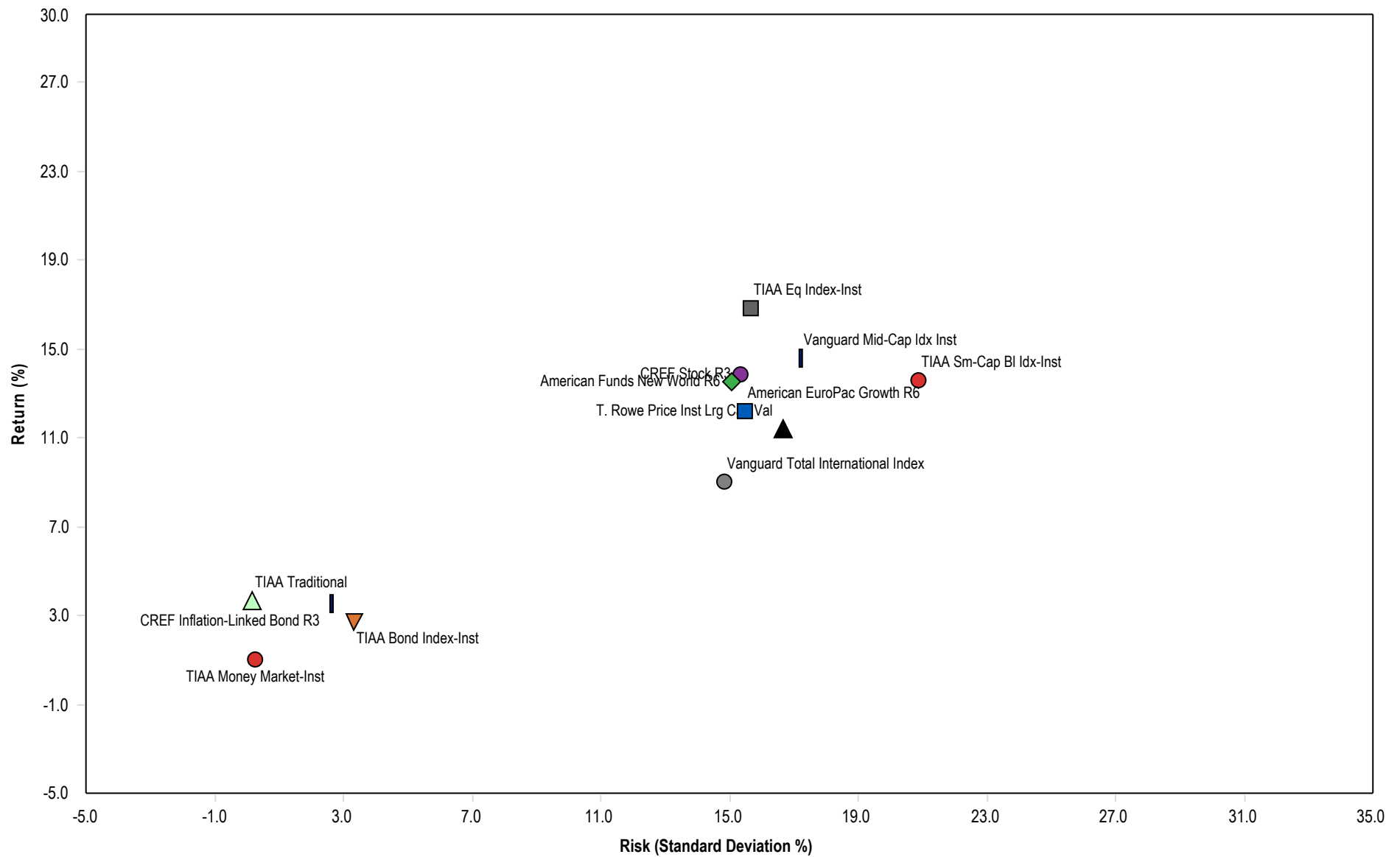
	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
TIAA Lifecycle 2015 Instl	19,035,046	1.0	-0.3	5.2	13.0	8.6	8.3	7.1	8.5
<i>TIAA-CREF Lifecycle 2015 Active Composite Index</i>			-0.2	5.2	12.8	9.3	8.5	7.2	8.5
IM Mixed-Asset Target 2015 (MF) Median			-0.3	5.1	12.9	8.4	7.6	6.4	8.0
TIAA Lifecycle 2015 Instl Rank			41	45	42	36	13	10	10
TIAA Lifecycle 2010 Instl	12,674,173	0.6	-0.2	4.7	11.8	8.3	7.7	6.6	7.9
<i>TIAA-CREF Lifecycle 2010 Active Composite Index</i>			-0.1	4.6	11.4	8.9	7.9	6.7	7.9
IM Mixed-Asset Target 2010 (MF) Median			-0.3	4.0	10.6	7.9	6.9	5.9	7.1
TIAA Lifecycle 2010 Instl Rank			24	35	26	29	6	4	6
TIAA Lifecycle Retire Inc Instl	1,484,180	0.1	-0.2	4.8	11.7	8.3	7.6	6.5	7.4
<i>TIAA-CREF Lifecycle Income Active Composite Index</i>			-0.1	4.8	11.9	9.0	7.8	6.7	7.4
IM Retirement Income (MF) Median			-0.5	4.7	11.6	7.8	7.0	5.7	7.4
TIAA Lifecycle Retire Inc Instl Rank			10	48	50	31	29	27	54
Fixed Income Funds	81,030,412	4.1							
TIAA Bond Index-Inst	51,340,377	2.6	0.0	-1.6	-1.0	5.2	2.8	3.1	2.9
<i>Blmbg. U.S. Aggregate</i>			0.1	-1.6	-0.9	5.4	2.9	3.3	3.0
IM U.S. Broad Market Core Fixed Income (MF) Median			0.0	-1.2	0.2	5.6	3.2	3.3	3.3
TIAA Bond Index-Inst Rank			53	77	87	72	77	63	76
CREF Inflation-Linked Bond R3	29,690,035	1.5	1.7	3.9	5.4	6.1	3.6	3.0	2.3
<i>Blmbg. U.S. TIPS</i>			1.8	3.5	5.2	7.4	4.3	3.9	3.1
IM U.S. TIPS (MF) Median			1.6	3.5	5.4	6.6	3.8	3.1	2.5
CREF Inflation-Linked Bond R3 Rank			37	37	51	63	64	55	61
Money Market/Stable Value Funds	277,761,271	14.1							
TIAA Money Market-Inst	25,355,319	1.3	0.0	0.0	0.0	1.0	1.0	0.8	0.5
<i>FTSE 3 Month T-Bill</i>			0.0	0.0	0.1	1.1	1.1	0.8	0.6
IM U.S. Taxable Money Market (MF) Median			0.0	0.0	0.0	0.9	0.9	0.6	0.4
TIAA Money Market-Inst Rank			88	89	51	16	19	17	17

State ORP

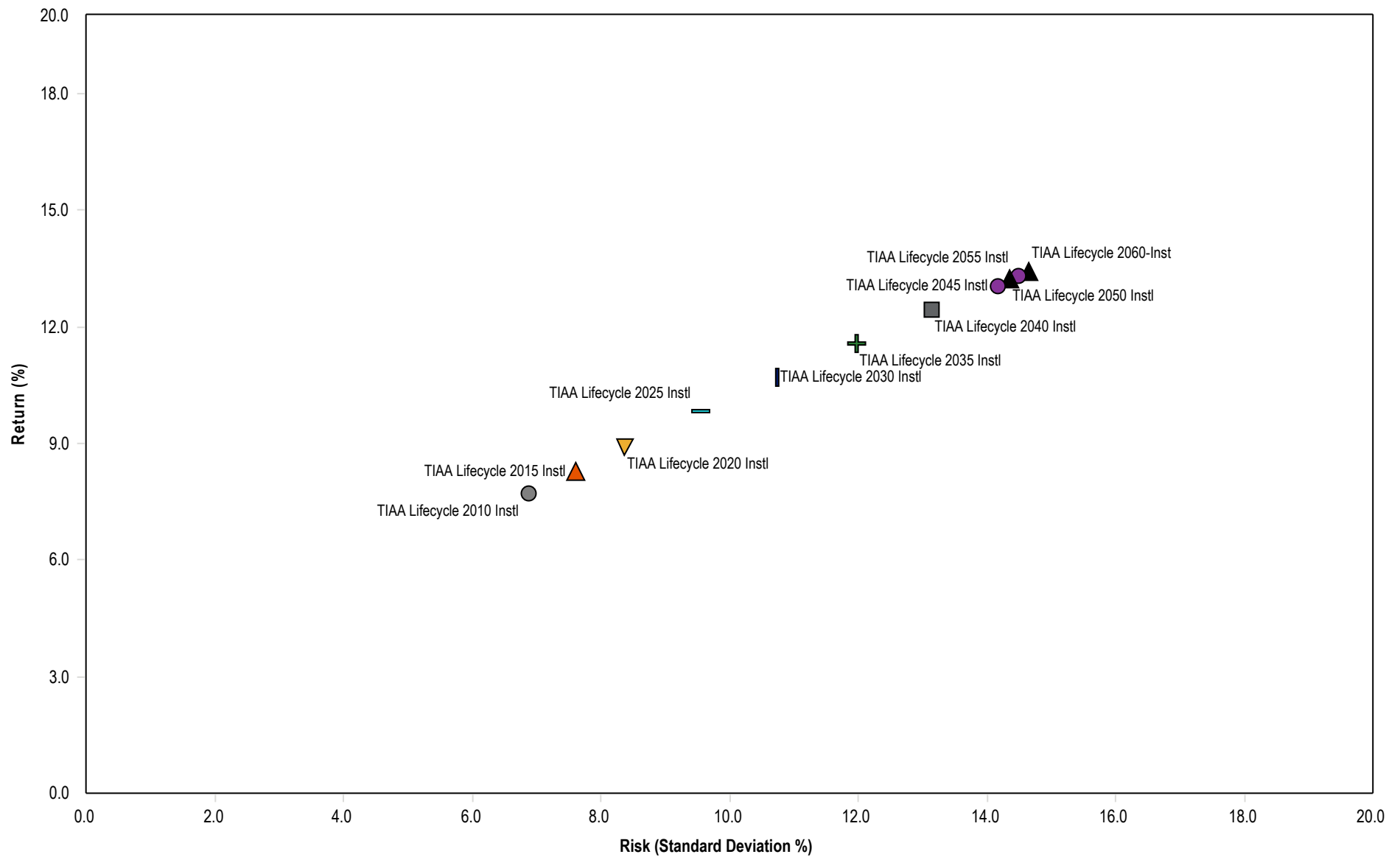
Total Fund Allocation and Performance

As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
TIAA Traditional	252,405,953	12.8	0.7	2.1	2.8	3.3	3.7	3.8	3.7
FTSE 3 Month T-Bill			0.0	0.0	0.1	1.1	1.1	0.8	0.6
IM U.S. Short Term Treasury/Govt Bonds (MF) Median			0.1	0.0	0.3	3.1	2.1	2.0	1.7
TIAA Traditional Rank			1	1	5	25	3	3	1
Terminated Funds	71,568,904	3.6							
CREF Growth R3	29,053,907	1.5	-0.3	12.7	25.6	20.2	21.8		
CREF Global Equities R3	14,036,791	0.7	-1.7	9.1	26.4	13.4	13.8		
CREF Bond Market R3	4,320,982	0.2	0.1	-1.0	0.5	5.7	3.3		
TIAA Real Estate	5,382,152	0.3							
CREF Equity Index R3	15,747,878	0.8	-0.1	14.9	31.7	15.8	16.6		
CREF Social Choice R3	16,082,715	0.8	0.0	7.7	17.7	11.0	10.1	8.1	9.6
CREF Money Market R3	3,027,193	0.2	0.0	0.0	0.0	1.0			



Calculation based on monthly periodicity.



Calculation based on monthly periodicity.

State ORP (TIAA)

Fund Line-Up Statistics

September 30, 2021

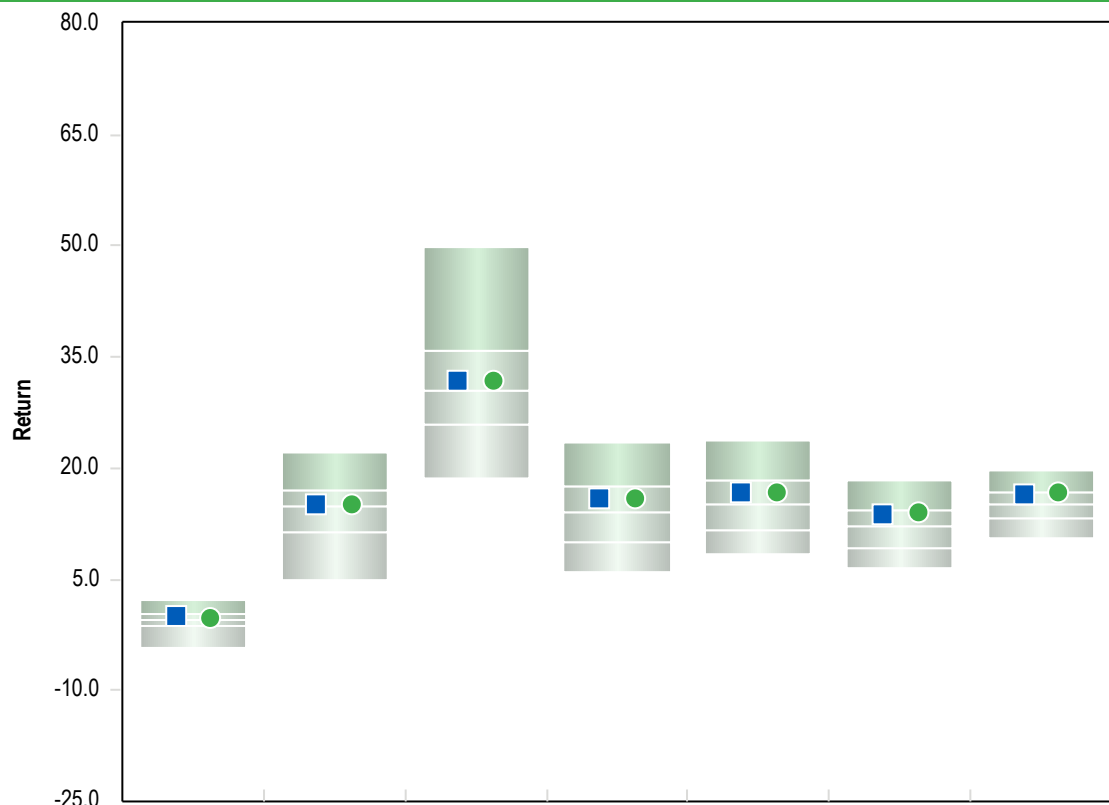
Fund	Ticker	Net Expense Ratio (%)	5-Year Standard Deviation (%)	Return (%) 1 Year	Return (%) 3 Years	Return (%) 5 Years
Domestic Equity						
TIAA-CREF Equity Index Instl	TIEIX	0.05	15.7	31.8	16.0	16.8
T. Rowe Large Cap Value I	TILCX	0.57	16.7	42.1	10.5	11.4
Vanguard Mid Cap Index I	VMCIX	0.04	17.2	36.1	14.8	14.6
TIAA-CREF Small-Cap Blend Index Instl	TISBX	0.06	20.9	47.7	10.6	13.6
International Equity						
CREF Stock R3	QCSTIX	0.21	15.4	29.1	12.9	13.9
American Funds Europacific Growth R6	RERGX	0.46	15.5	24.8	13.2	12.2
American Funds New World R6	RNWGX	0.59	15.1	25.3	15.7	13.5
Vanguard Total International Index	VTIAX	0.11	14.8	24.4	8.3	9.0
Target Date						
TIAA-CREF Lifecycle 2060 Instl	TLXNX	0.45	14.7	27.1	12.2	13.4
TIAA-CREF Lifecycle 2055 Instl	TTRIX	0.45	14.5	26.8	12.1	13.3
TIAA-CREF Lifecycle 2050 Instl	TFTIX	0.45	14.4	26.4	12.0	13.2
TIAA-CREF Lifecycle 2045 Instl	TTFIX	0.45	14.2	25.9	11.9	13.0
TIAA-CREF Lifecycle 2040 Instl	TCOIX	0.44	13.1	23.5	11.3	12.4
TIAA-CREF Lifecycle 2035 Instl	TCIIX	0.43	12.0	21.1	10.8	11.6
TIAA-CREF Lifecycle 2030 Instl	TCRIX	0.42	10.7	18.7	10.2	10.7
TIAA-CREF Lifecycle 2025 Instl	TCYIX	0.41	9.6	16.4	9.6	9.8
TIAA-CREF Lifecycle 2020 Instl	TCWIX	0.39	8.4	14.3	9.0	8.9
TIAA-CREF Lifecycle 2015 Instl	TCNIX	0.38	7.6	13.0	8.6	8.3
TIAA-CREF Lifecycle 2010 Instl	TCTIX	0.37	6.9	11.8	8.3	7.7
TIAA-CREF Lifecycle Retirement Inc Instl	TLRIX	0.37	6.8	11.7	8.3	7.6
Fixed Income						
TIAA-CREF Bond Index Instl	TBIIX	0.11	3.3	-1.0	5.2	2.8
CREF Inflation Linked Bond R3	QCILIX	0.22	2.6	5.4	6.1	3.6
MMF/Stable Value						
TIAA-CREF Money Market Instl	TCIXX	0.13	0.2	0.0	1.0	1.0
TIAA Traditional	N/A	0.00	0.2	2.8	3.3	3.7

Expense Ratio and Standard Deviation: Lower is better

Return: Higher is better

IM U.S. Multi-Cap Equity (MF)

Risk Return Statistics - 3 Years



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Eq Index-Inst	-0.1 (40)	15.0 (47)	31.8 (43)	16.0 (35)	16.8 (36)	13.9 (29)	16.6 (27)
Russell 3000 Index	-0.1 (40)	15.0 (47)	31.9 (43)	16.0 (35)	16.9 (36)	13.9 (28)	16.6 (27)

5th Percentile	2.1	22.1	49.8	23.6	23.8	18.3	19.8
1st Quartile	0.4	17.0	35.9	17.5	18.2	14.2	16.7
Median	-0.4	14.7	30.5	14.0	15.1	12.0	15.1
3rd Quartile	-1.4	11.4	25.9	9.9	11.6	9.3	13.2
95th Percentile	-4.4	4.8	18.7	6.0	8.4	6.5	10.6

Population	1,618	1,576	1,554	1,461	1,307	1,141	928
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Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.2	13.2
Minimum Return	-13.7	-13.8
Return	16.0	16.0
Cumulative Return	55.9	56.1
Active Return	0.0	0.0
Excess Return	15.6	15.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.8	100.0
Down Market Capture	99.8	100.0

Risk / Return Summary Statistics

Standard Deviation	19.4	19.4
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.1	0.0
Information Ratio	-0.6	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

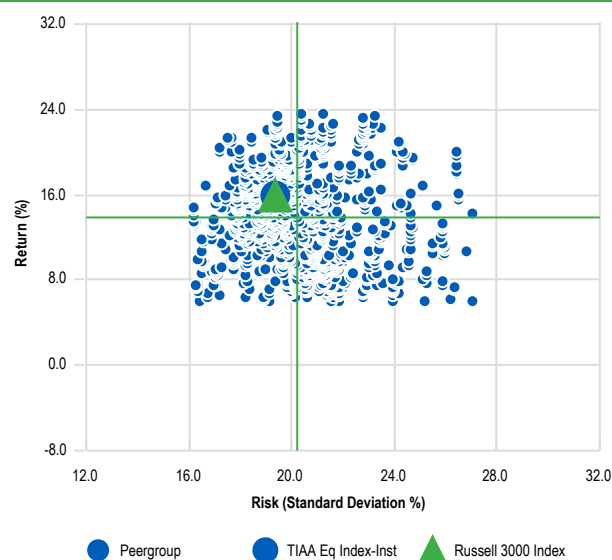
Fund Information

Product Name : TIAA-CREF:Eq Idx:Inst (TIEIX)
 Fund Family : TIAA-CREF
 Ticker : TIEIX
 Peer Group : IM U.S. Multi-Cap Equity (MF)
 Benchmark : Russell 3000 Index
 Fund Inception : 07/01/1999
 Portfolio Manager : Campagna/Liao/Tran
 Total Assets : \$11,058 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 12%

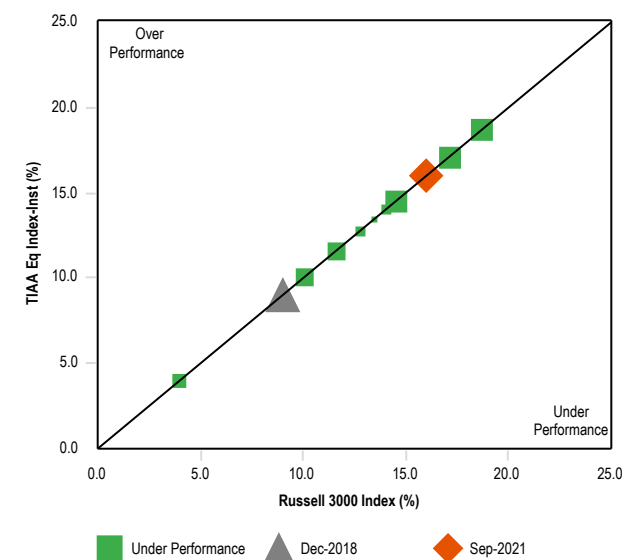
Fund Characteristics As of 03/31/2021

Total Securities 2,998
 Avg. Market Cap \$374,693 Million
 P/E 36.2
 P/B 9.7
 Div. Yield 1.9%
 Annual EPS 7.3
 5Yr EPS 16.0
 3Yr EPS Growth 15.2

Peer Group Scattergram - 36 Months



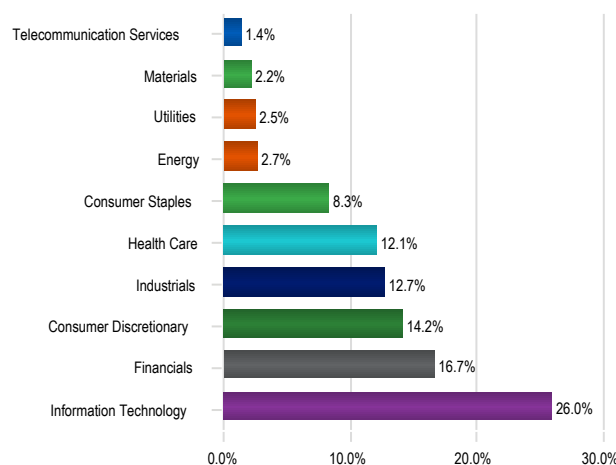
3 Year Rolling Under/Over Performance



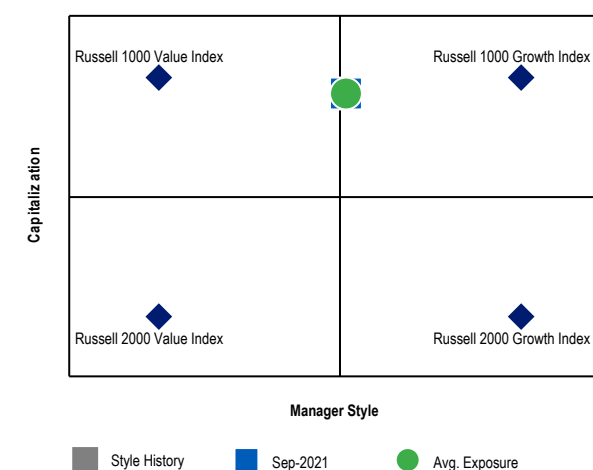
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.7	15.7
Beta	1.0	1.0
Sharpe Ratio	1.0	1.0
Information Ratio	-0.6	-
Tracking Error	0.1	0.0
Consistency	40.0	0.0
Up Market Capture	99.8	100.0
Down Market Capture	99.9	100.0
R-Squared	1.0	1.0

Sector Allocation As of 03/31/2021



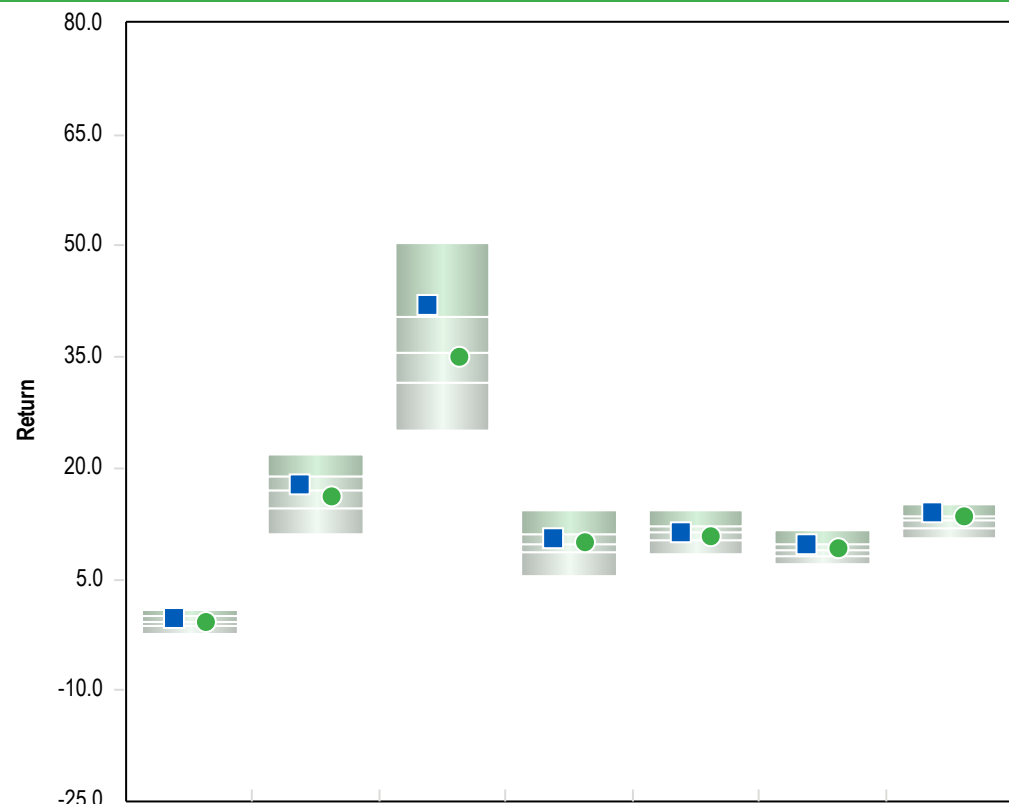
Style Map - 36 Months



Fund Objective

The Fund seeks a favorable long-term total return. Under normal circumstances, the Fund invests at least 80% of its assets (net assets, plus the amount of any borrowings for investment purposes) in securities of its benchmark index (the Russell 3000 Index) and in equity securities.

IM U.S. Large Cap Value Equity (MF)



■ T. Rowe Price Inst Lrg Cap Val
● Russell 1000 Value Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-0.3 (36)	17.7 (40)	42.1 (17)	10.5 (33)	11.4 (47)	9.7 (27)	14.0 (18)
	-0.8 (54)	16.1 (57)	35.0 (53)	10.1 (41)	10.9 (59)	9.3 (38)	13.5 (29)

5th Percentile	0.8	21.9	50.3	14.2	14.4	11.5	15.0
1st Quartile	0.0	18.9	40.5	11.0	12.1	9.7	13.6
Median	-0.7	16.9	35.6	9.7	11.3	9.0	12.9
3rd Quartile	-1.4	14.7	31.5	8.6	10.2	8.2	12.0
95th Percentile	-2.4	11.1	25.1	5.4	8.3	7.0	10.6

Population	484	473	470	441	403	355	310
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	15.6	13.5
Minimum Return	-17.9	-17.1
Return	10.5	10.1
Cumulative Return	34.9	33.4
Active Return	0.5	0.0
Excess Return	11.0	10.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.7	100.0
Down Market Capture	98.4	100.0

Risk / Return Summary Statistics

Standard Deviation	20.6	19.9
Alpha	0.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	2.8	0.0
Information Ratio	0.2	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

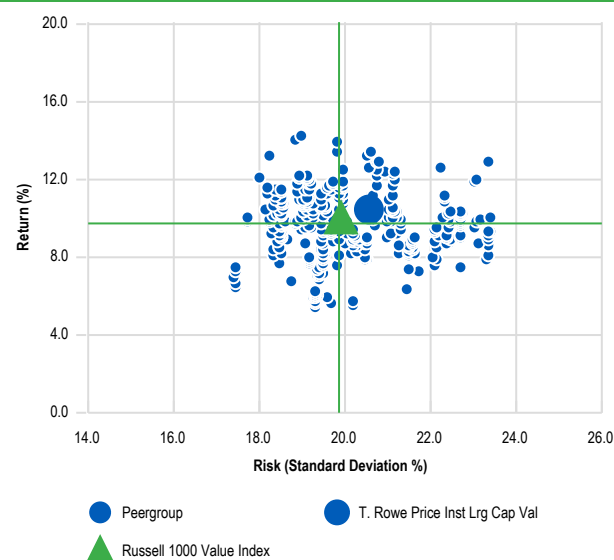
Fund Information

Product Name : T Rowe Price LC Val;I (TILCX)
 Fund Family : T. Rowe Price Associates Inc
 Ticker : TILCX
 Peer Group : IM U.S. Large Cap Value Equity (MF)
 Benchmark : Russell 1000 Value Index
 Fund Inception : 03/31/2000
 Portfolio Manager : Team Managed
 Total Assets : \$3,979 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.6%
 Turnover : 32%

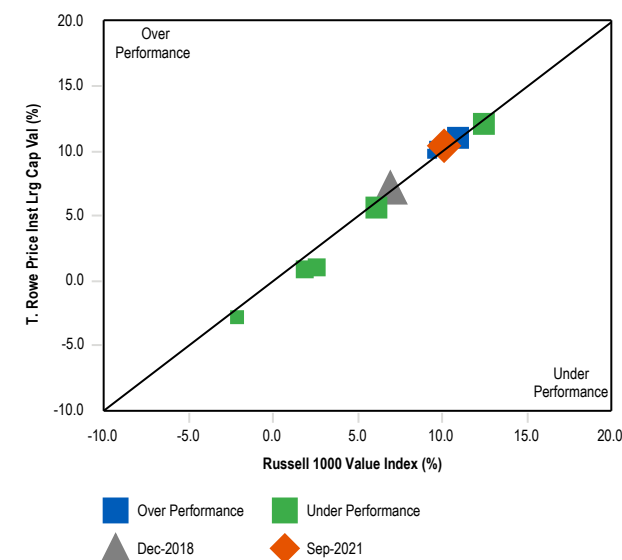
Fund Characteristics As of 03/31/2021

Total Securities 89
 Avg. Market Cap \$145,094 Million
 P/E 30.2
 P/B 5.5
 Div. Yield 2.3%
 Annual EPS -8.8
 5Yr EPS 4.1
 3Yr EPS Growth 3.9

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



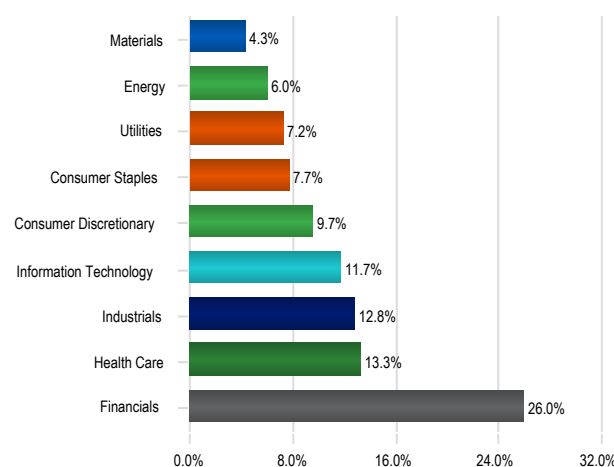
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	16.7	16.2
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	0.2	-
Tracking Error	2.5	0.0
Consistency	51.7	0.0
Up Market Capture	100.0	100.0
Down Market Capture	96.6	100.0
R-Squared	1.0	1.0

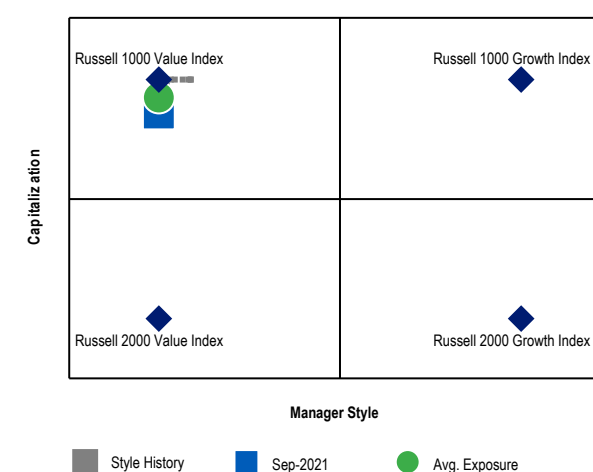
Fund Objective

The Fund seeks to provide long-term capital appreciation and secondarily income. The Fund will normally invest at least 80% of its net assets (including any borrowings for investment purposes) in securities of large-cap companies that the portfolio manager regards as undervalued.

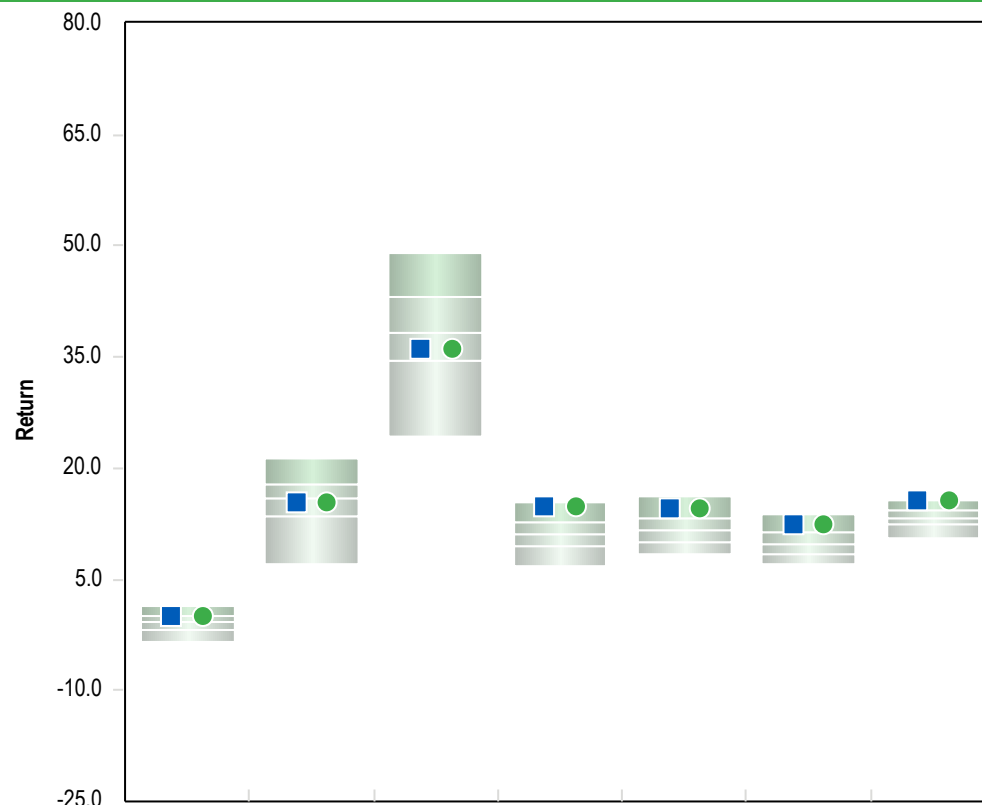
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Mid Cap Core Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Vanguard Mid-Cap Idx Inst	0.0 (25)	15.3 (56)	36.1 (67)	14.8 (9)	14.6 (13)	12.4 (12)	15.6 (6)
● Vanguard Spliced Mid Cap Index	0.0 (26)	15.3 (57)	36.1 (67)	14.8 (9)	14.6 (12)	12.4 (11)	15.6 (5)

5th Percentile	1.4	21.4	49.0	15.4	16.1	13.7	15.6
1st Quartile	0.0	17.8	43.1	12.7	13.4	11.4	14.4
Median	-0.9	15.8	38.2	11.1	11.7	9.8	13.2
3rd Quartile	-1.8	13.6	34.5	9.4	10.1	8.5	12.5
95th Percentile	-3.5	7.1	24.3	6.8	8.5	7.0	10.4

Population	318	308	307	292	259	203	167
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	14.4	14.4
Minimum Return	-18.4	-18.4
Return	14.8	14.8
Cumulative Return	51.1	51.1
Active Return	0.0	0.0
Excess Return	15.0	15.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.9	100.0
Down Market Capture	99.9	100.0

Risk / Return Summary Statistics

Standard Deviation	21.5	21.5
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-0.2	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

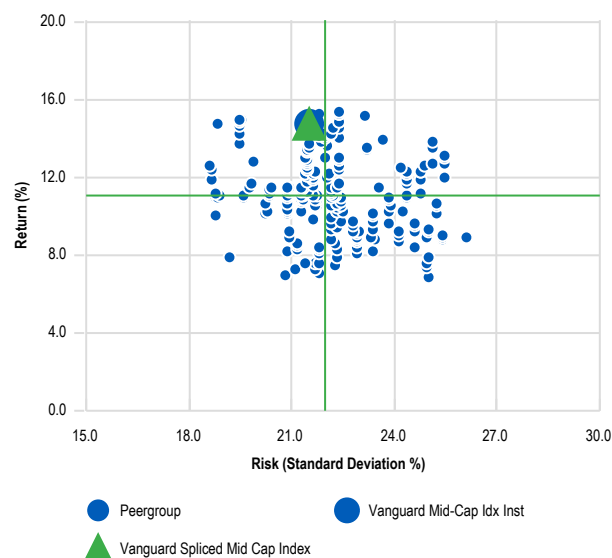
Fund Information

Product Name : Vanguard Md-Cp I;Inst (VMCIX)
 Fund Family : Vanguard Group Inc
 Ticker : VMCIX
 Peer Group : IM U.S. Mid Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Mid Cap Index
 Fund Inception : 05/20/1998
 Portfolio Manager : Butler/Johnson
 Total Assets : \$24,717 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 26%

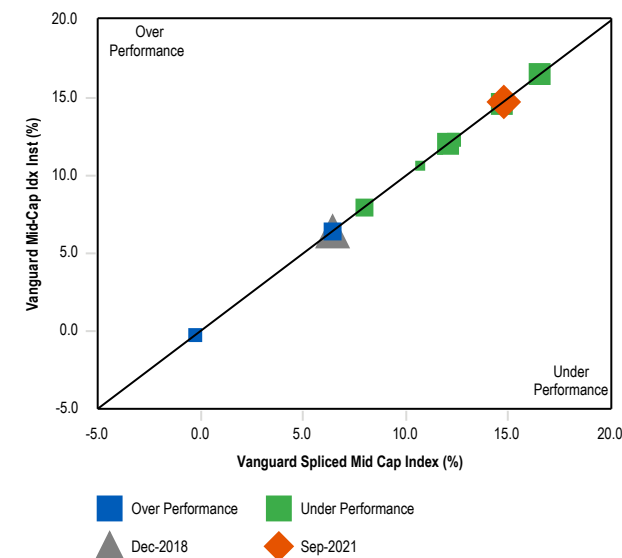
Fund Characteristics As of 04/30/2021

Total Securities 367
 Avg. Market Cap \$26,322 Million
 P/E 36.6
 P/B 7.9
 Div. Yield 1.9%
 Annual EPS 1.1
 5Yr EPS 12.4
 3Yr EPS Growth 13.2

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



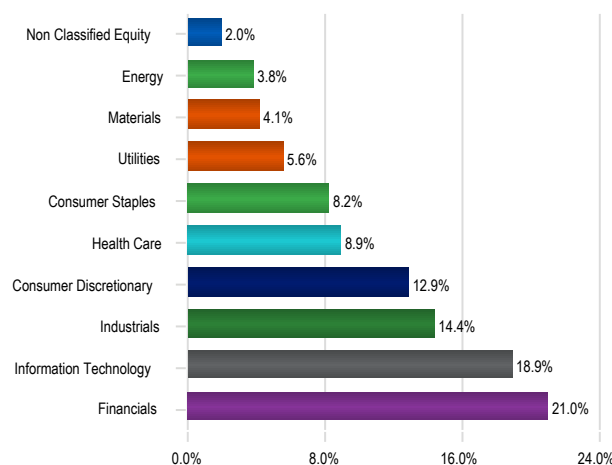
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	17.2	17.2
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	-0.2	-
Tracking Error	0.0	0.0
Consistency	43.3	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

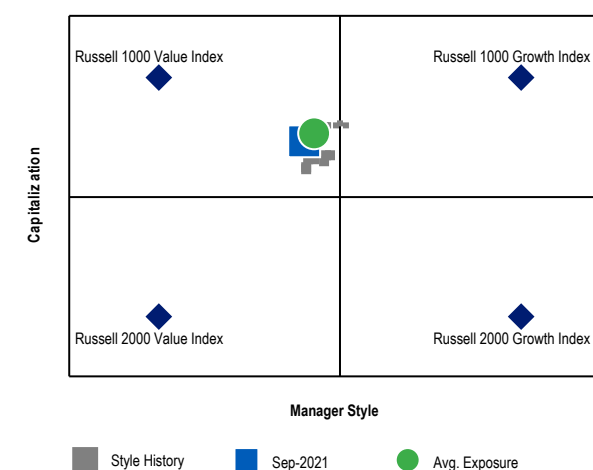
Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of mid-capitalization stocks.

Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Small Cap Core Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Sm-Cap BI Idx-Inst	-4.3 (87)	12.4 (81)	47.7 (65)	10.6 (26)	13.6 (21)	12.0 (18)	14.7 (21)
Russell 2000 Index	-4.4 (88)	12.4 (82)	47.7 (65)	10.5 (28)	13.5 (24)	11.9 (21)	14.6 (23)

5th Percentile	0.8	28.6	73.0	14.1	14.6	12.7	15.9
1st Quartile	-1.2	21.2	57.6	10.7	13.4	11.7	14.6
Median	-2.3	17.3	49.9	9.1	11.8	10.4	13.5
3rd Quartile	-3.3	13.7	45.9	7.5	10.1	9.0	12.3
95th Percentile	-4.8	8.9	37.6	3.5	7.2	6.9	10.1

Population	752	741	736	700	621	518	428
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	18.4	18.4
Minimum Return	-21.7	-21.7
Return	10.6	10.5
Cumulative Return	35.4	35.1
Active Return	0.1	0.0
Excess Return	12.3	12.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	99.7	100.0

Risk / Return Summary Statistics

Standard Deviation	25.3	25.3
Alpha	0.1	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.1	0.0
Information Ratio	0.8	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

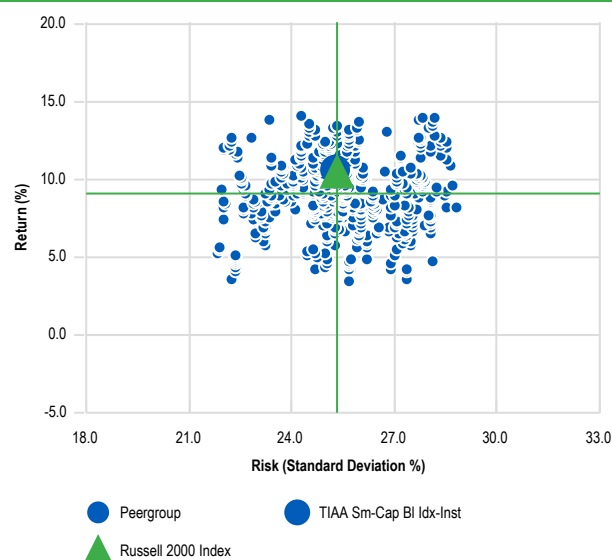
Fund Information

Product Name : TIAA-CREF:SCB Idx;Inst (TISBX)
 Fund Family : TIAA-CREF
 Ticker : TISBX
 Peer Group : IM U.S. Small Cap Core Equity (MF)
 Benchmark : Russell 2000 Index
 Fund Inception : 10/01/2002
 Portfolio Manager : Campagna/Liao/Tran
 Total Assets : \$3,542 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 32%

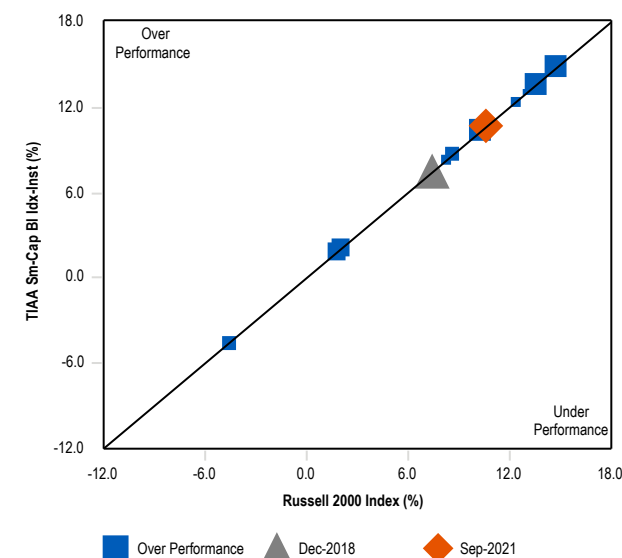
Fund Characteristics As of 03/31/2021

Total Securities 2,059
 Avg. Market Cap \$3,744 Million
 P/E 34.6
 P/B 5.8
 Div. Yield 2.1%
 Annual EPS 1.1
 5Yr EPS 10.0
 3Yr EPS Growth 12.6

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



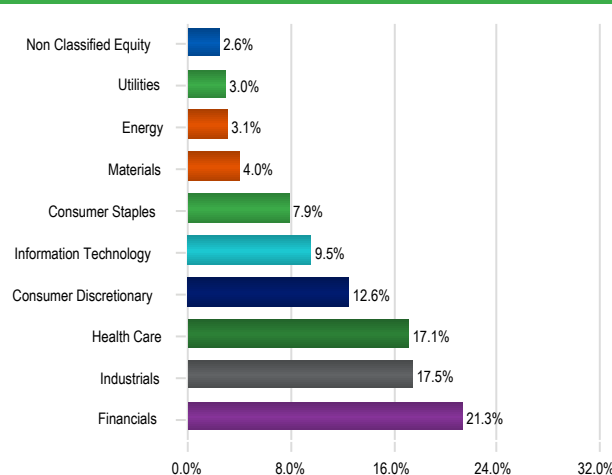
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	20.9	20.9
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	1.2	-
Tracking Error	0.1	0.0
Consistency	63.3	0.0
Up Market Capture	100.1	100.0
Down Market Capture	99.6	100.0
R-Squared	1.0	1.0

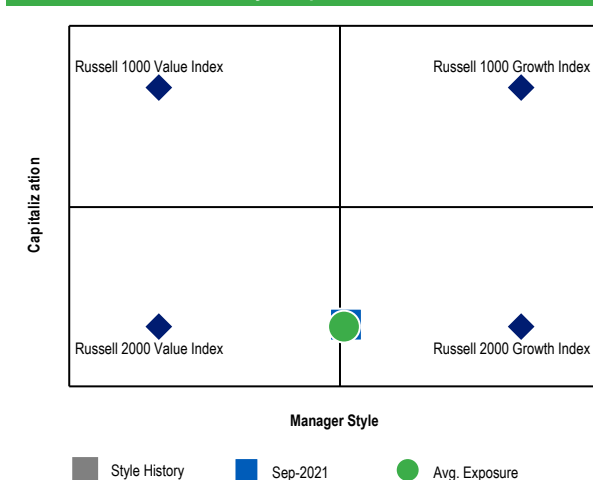
Fund Objective

The Fund seeks a favorable long-term total return. Under normal circumstances, the Fund invests at least 80% of its assets (net assets, plus the amount of any borrowings for investment purposes) in securities of its benchmark index (the Russell 2000 Index) and in small-cap securities.

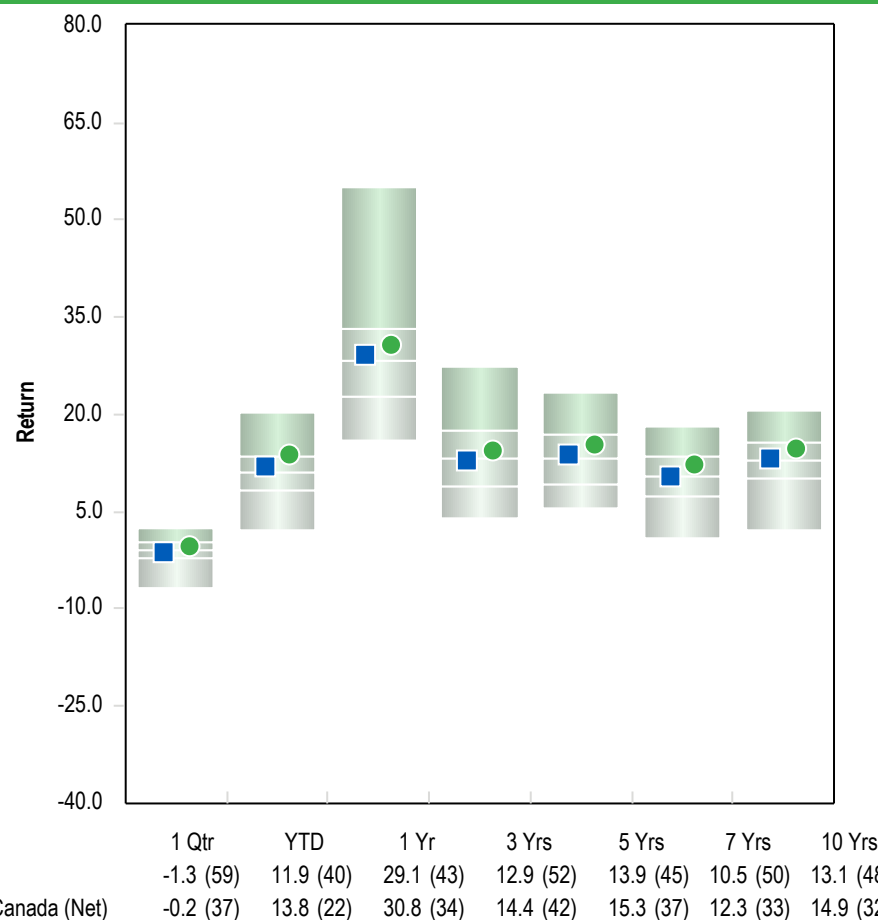
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM Global Equity (MF)



Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.3	12.8
Minimum Return	-14.9	-13.8
Return	12.9	14.4
Cumulative Return	43.7	49.6
Active Return	-1.3	0.0
Excess Return	12.8	14.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	97.4	100.0
Down Market Capture	102.1	100.0

Risk / Return Summary Statistics

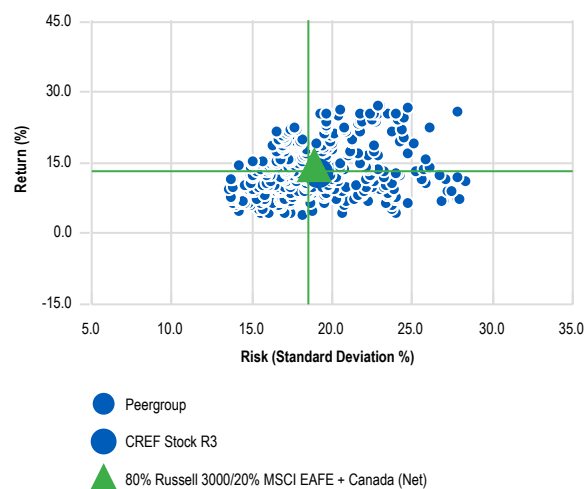
Standard Deviation	19.1	18.9
Alpha	-1.4	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.4	0.0
Information Ratio	-1.0	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

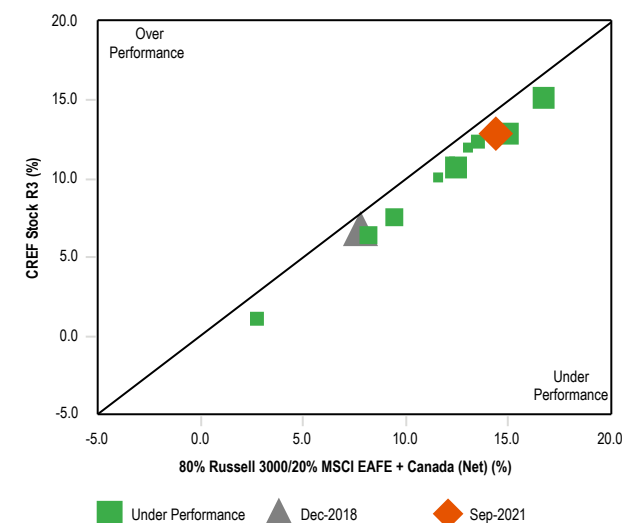
R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

5th Percentile	2.5	20.2	54.9	27.5	23.3	18.3	20.6
1st Quartile	0.3	13.5	33.2	17.5	16.8	13.6	15.6
Median	-0.9	11.0	28.2	13.1	13.2	10.4	12.9
3rd Quartile	-2.0	8.4	22.7	8.9	9.4	7.4	10.2
95th Percentile	-6.8	2.1	16.0	4.1	5.6	1.0	2.1
Population	1,453	1,412	1,371	1,193	1,006	850	610

Peer Group Scattergram - 36 Months



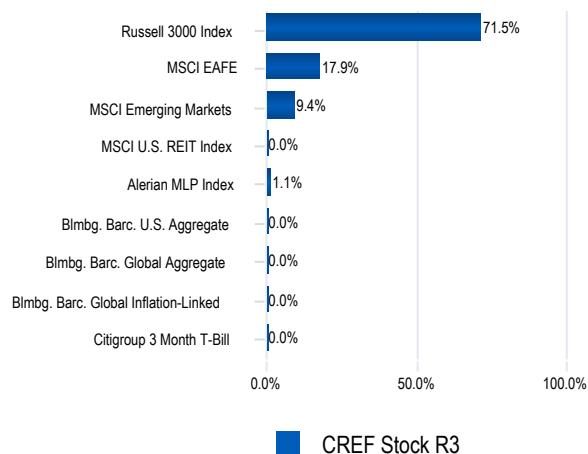
3 Year Rolling Under/Over Performance



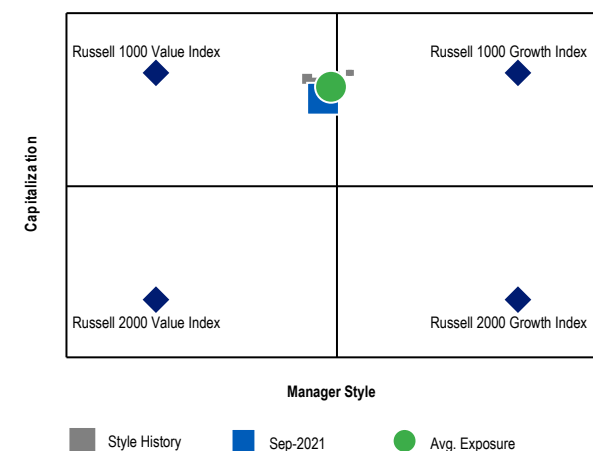
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.4	15.2
Beta	1.0	1.0
Sharpe Ratio	0.8	0.9
Information Ratio	-0.9	-
Tracking Error	1.3	0.0
Consistency	40.0	0.0
Up Market Capture	96.6	100.0
Down Market Capture	101.6	100.0
R-Squared	1.0	1.0

Investment Style Exposure (Returns based) - 36 Months



Style Map - 36 Months



IM International Large Cap Growth Equity (MF)



■ American EuroPac Growth R6
● MSCI AC World ex USA (Net)

5th Percentile	0.3	10.1	29.6	14.9	14.1	11.3	12.3
1st Quartile	-0.7	7.4	24.0	13.0	12.0	8.6	10.0
Median	-1.7	5.5	20.6	11.5	10.8	7.5	9.1
3rd Quartile	-3.4	3.6	16.7	9.6	9.2	5.7	7.7
95th Percentile	-4.7	0.3	14.7	5.9	6.5	3.8	5.5
Population	229	219	215	189	153	134	116

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.4	13.5
Minimum Return	-14.7	-14.5
Return	13.2	8.0
Cumulative Return	45.1	26.1
Active Return	4.9	0.0
Excess Return	13.1	8.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	114.4	100.0
Down Market Capture	95.7	100.0

Risk / Return Summary Statistics

Standard Deviation	18.6	17.5
Alpha	4.6	0.0
Active Return/Risk	0.3	0.0
Tracking Error	3.6	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.7	0.5

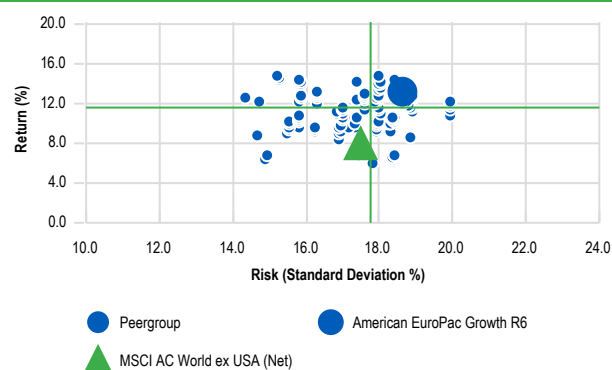
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

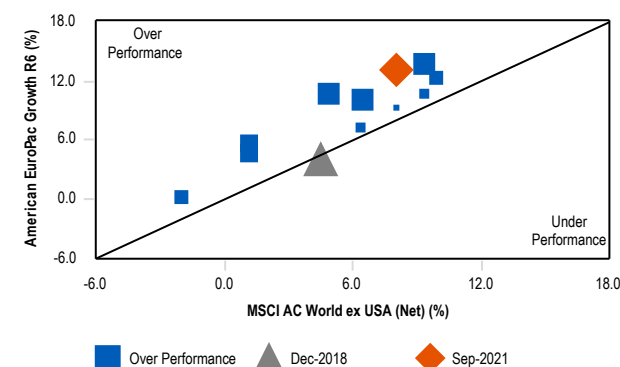
Fund Information

Product Name : American Funds EuPc;R6 (RERGX)
 Fund Family : American Funds
 Ticker : RERGX
 Peer Group : IM International Large Cap Growth Equity (MF)
 Benchmark : MSCI AC World ex USA (Net)
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$92,069 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 32%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



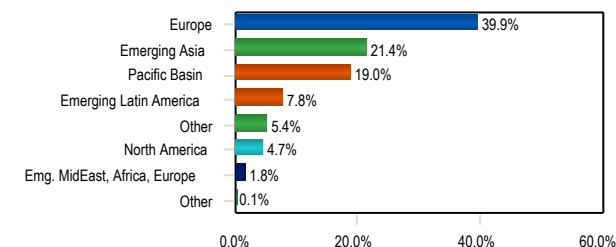
Fund Characteristics As of 03/31/2021

Total Securities 355
 Avg. Market Cap \$111,844 Million
 P/E 40.6
 P/B 7.5
 Div. Yield 1.5%
 Annual EPS 13.4
 5Yr EPS 15.9
 3Yr EPS Growth 13.1

Top 5 Countries As of 03/31/2021

Japan 11.4 %
 China 9.3 %
 Netherlands 8.4 %
 India 7.8 %
 France 7.1 %

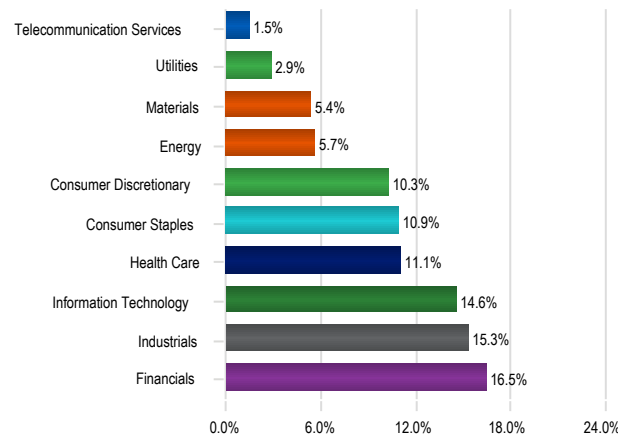
Regional Allocation As of 03/31/2021



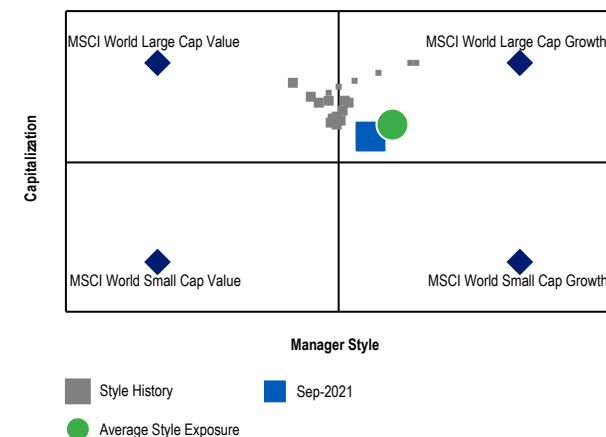
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.5	14.5
Beta	1.0	1.0
Sharpe Ratio	0.7	0.6
Information Ratio	0.9	-
Tracking Error	3.5	0.0
Consistency	58.3	0.0
Up Market Capture	109.3	100.0
Down Market Capture	94.6	100.0
R-Squared	1.0	1.0

Sector Allocation As of 03/31/2021



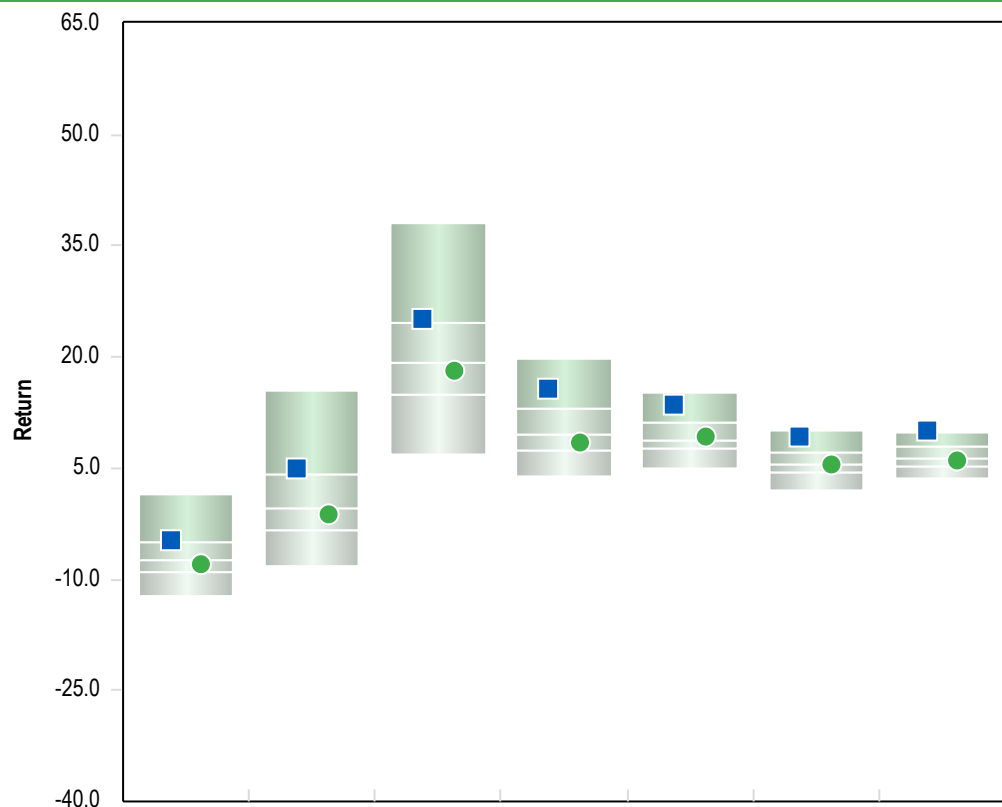
Style Map - 36 Months



Fund Objective

The Fund seeks to provide long-term growth of capital by investing in companies based outside the United States. The Fund invests in companies based chiefly in Europe and the Pacific Basin, ranging from small firms to large corporations.

IM Emerging Markets Equity (MF)



American Funds New World R6	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-4.8 (24)	4.9 (21)	25.3 (23)	15.7 (11)	13.5 (8)	9.4 (7)	10.1 (3)
MSCI EM (net)	-8.1 (58)	-1.2 (58)	18.2 (58)	8.6 (60)	9.2 (43)	5.6 (46)	6.1 (51)

5th Percentile	1.5	15.3	38.1	19.7	15.2	10.0	9.7
1st Quartile	-4.9	4.1	24.5	13.1	11.1	7.0	7.8
Median	-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
3rd Quartile	-9.1	-3.4	15.0	7.3	7.5	4.4	5.1
95th Percentile	-12.3	-8.1	6.7	3.8	5.1	1.9	3.5

Population	823	790	778	701	593	482	317
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.9	9.2
Minimum Return	-15.4	-15.4
Return	15.7	8.6
Cumulative Return	54.7	28.0
Active Return	6.2	0.0
Excess Return	15.1	9.0

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	105.5	100.0
Down Market Capture	79.3	100.0

Risk / Return Summary Statistics

Standard Deviation	18.0	19.1
Alpha	7.6	0.0
Active Return/Risk	0.3	0.0
Tracking Error	6.7	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.8	0.5

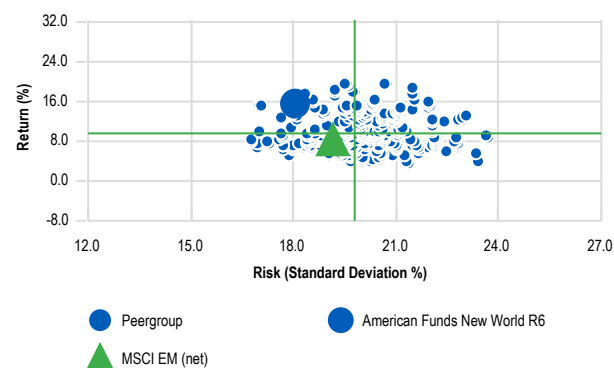
Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	0.9	1.0

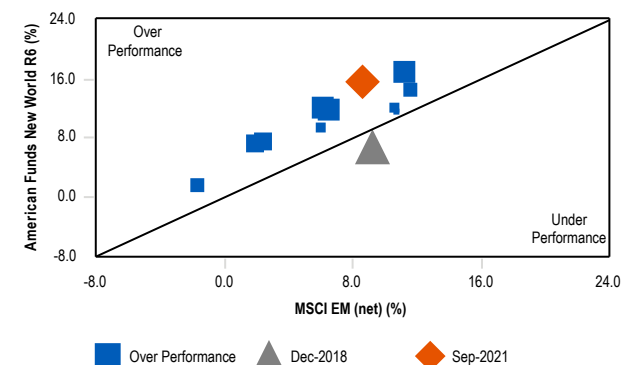
Fund Information

Product Name : American Funds NWld;R6 (RNWGX)
 Fund Family : American Funds
 Ticker : RNWGX
 Peer Group : IM Emerging Markets Equity (MF)
 Benchmark : MSCI EM (net)
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$9,965 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.6%
 Turnover : 40%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



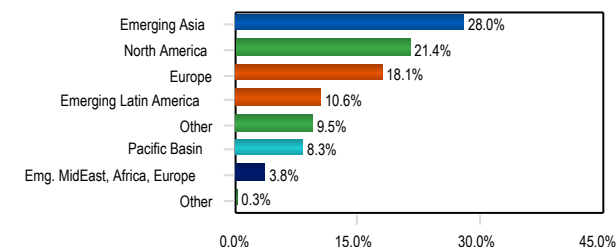
Fund Characteristics As of 03/31/2021

Total Securities 547
 Avg. Market Cap \$179,844 Million
 P/E 40.7
 P/B 8.5
 Div. Yield 1.3%
 Annual EPS 17.5
 5Yr EPS 19.8
 3Yr EPS Growth 16.9

Top 5 Countries As of 03/31/2021

United States 20.3 %
 China 16.3 %
 Unidentified 8.5 %
 India 8.0 %
 Brazil 7.5 %

Regional Allocation As of 03/31/2021



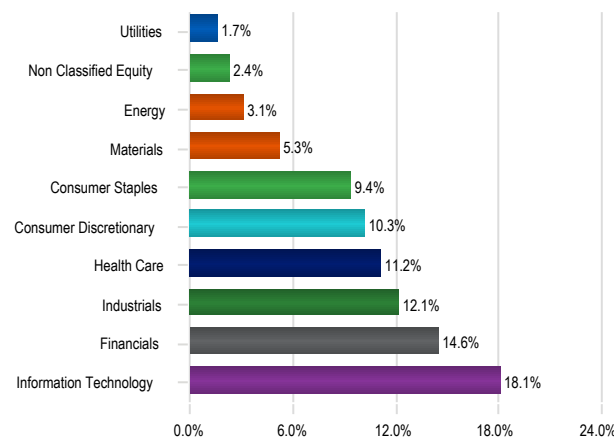
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.1	16.5
Beta	0.9	1.0
Sharpe Ratio	0.8	0.5
Information Ratio	0.6	-
Tracking Error	5.9	0.0
Consistency	50.0	0.0
Up Market Capture	97.4	100.0
Down Market Capture	74.7	100.0
R-Squared	0.9	1.0

Fund Objective

The Fund seeks long-term capital appreciation. Under normal conditions, the fund invests in common stocks of companies with significant exposure to countries with developing economies and/or markets. The securities markets of these countries may be referred to as emerging markets. It may also invest in junk bonds.

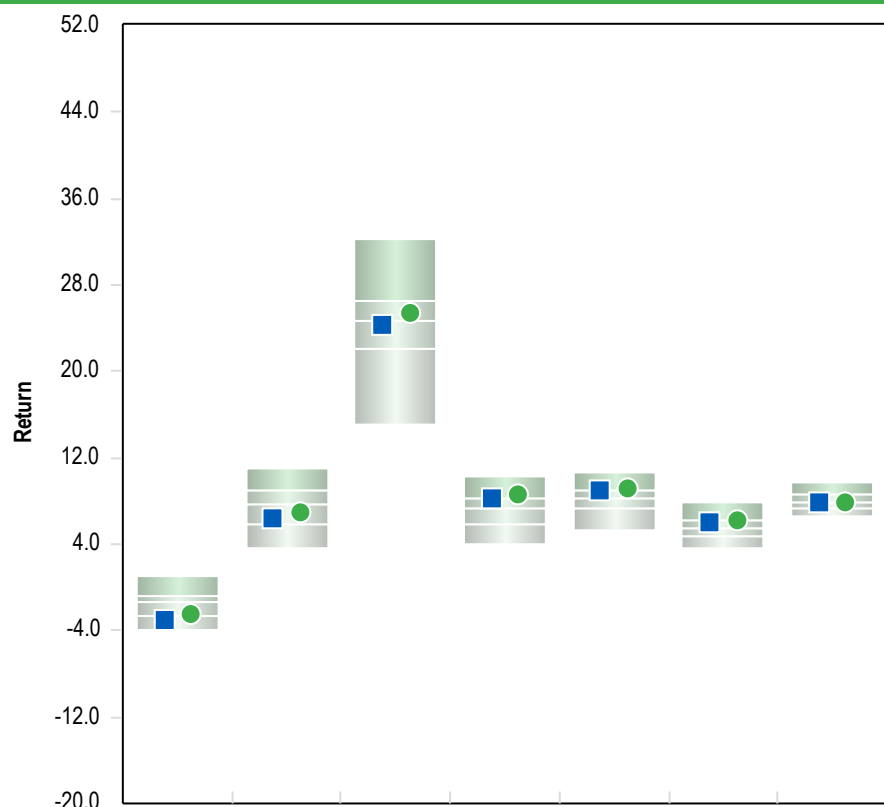
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM International Multi-Cap Core Equity (MF)



■ Vanguard Total International Index

● Vanguard Spliced Total Int'l Stock Index (Net)

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Vanguard Total International Index	-3.0 (82)	6.4 (71)	24.4 (54)	8.3 (26)	9.0 (26)	6.0 (31)	7.9 (54)
Vanguard Spliced Total Int'l Stock Index (Net)	-2.5 (73)	6.9 (63)	25.4 (38)	8.5 (19)	9.3 (17)	6.2 (25)	7.9 (55)

5th Percentile	1.0	11.1	32.3	10.3	10.6	7.9	9.8
1st Quartile	-0.7	9.0	26.6	8.3	9.0	6.2	8.6
Median	-1.4	7.7	24.6	7.2	8.3	5.5	7.9
3rd Quartile	-2.7	5.9	22.1	5.8	7.3	4.8	7.4
95th Percentile	-4.0	3.6	15.2	4.0	5.3	3.6	6.6
Population	398	388	383	346	292	232	180

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.0	13.5
Minimum Return	-16.1	-15.0
Return	8.3	8.5
Cumulative Return	27.1	27.8
Active Return	-0.2	0.0
Excess Return	8.5	8.6

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.2	100.0
Down Market Capture	101.1	100.0

Risk / Return Summary Statistics

Standard Deviation	17.9	17.8
Alpha	-0.2	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.5	0.0
Information Ratio	-0.1	-
Sharpe Ratio	0.5	0.5

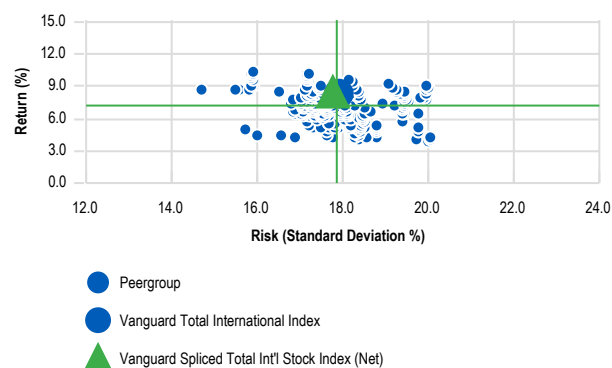
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

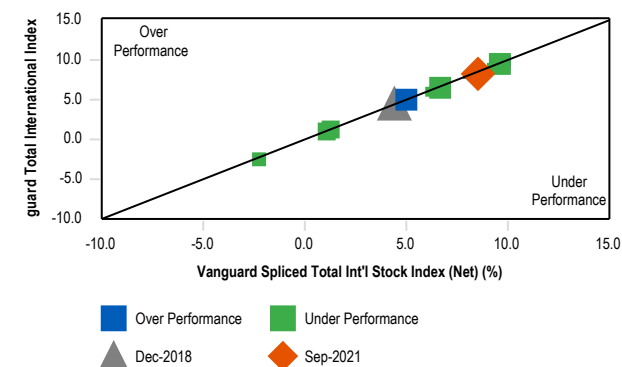
Fund Information

Product Name : Vanguard Tot I S;Adm (VTIAX)
 Fund Family : Vanguard Group Inc
 Ticker : VTIAX
 Peer Group : IM International Multi-Cap Core Equity (MF)
 Benchmark : Vanguard Spliced Total Int'l Stock Index (Net)
 Fund Inception : 11/29/2010
 Portfolio Manager : Perre/Franquin
 Total Assets : \$78,426 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 7%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



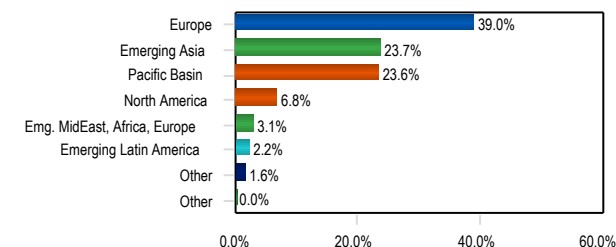
Fund Characteristics As of 04/30/2021

Total Securities 7,551
 Avg. Market Cap \$91,978 Million
 P/E 29.6
 P/B 4.5
 Div. Yield 2.5%
 Annual EPS 4.1
 5Yr EPS 8.2
 3Yr EPS Growth 4.7

Top 5 Countries As of 04/30/2021

Japan 15.6 %
 China 10.0 %
 United Kingdom 8.4 %
 Canada 6.7 %
 France 5.8 %

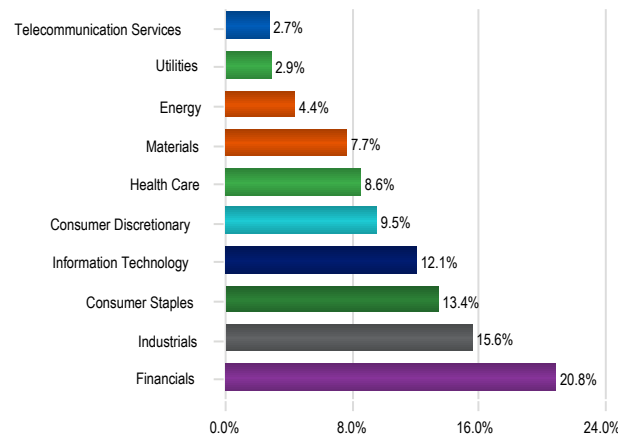
Regional Allocation As of 04/30/2021



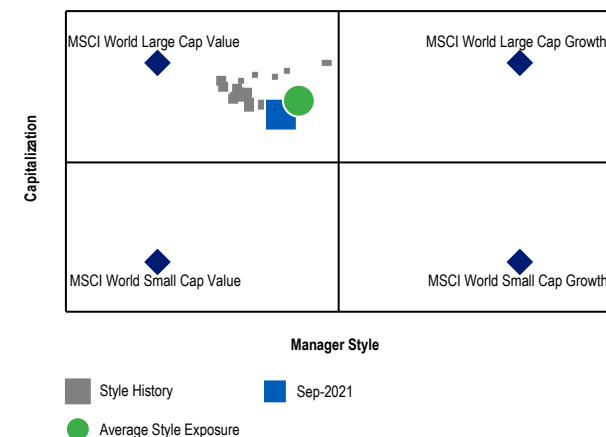
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.8	14.7
Beta	1.0	1.0
Sharpe Ratio	0.6	0.6
Information Ratio	-0.1	-
Tracking Error	1.5	0.0
Consistency	48.3	0.0
Up Market Capture	99.5	100.0
Down Market Capture	100.4	100.0
R-Squared	1.0	1.0

Sector Allocation As of 04/30/2021



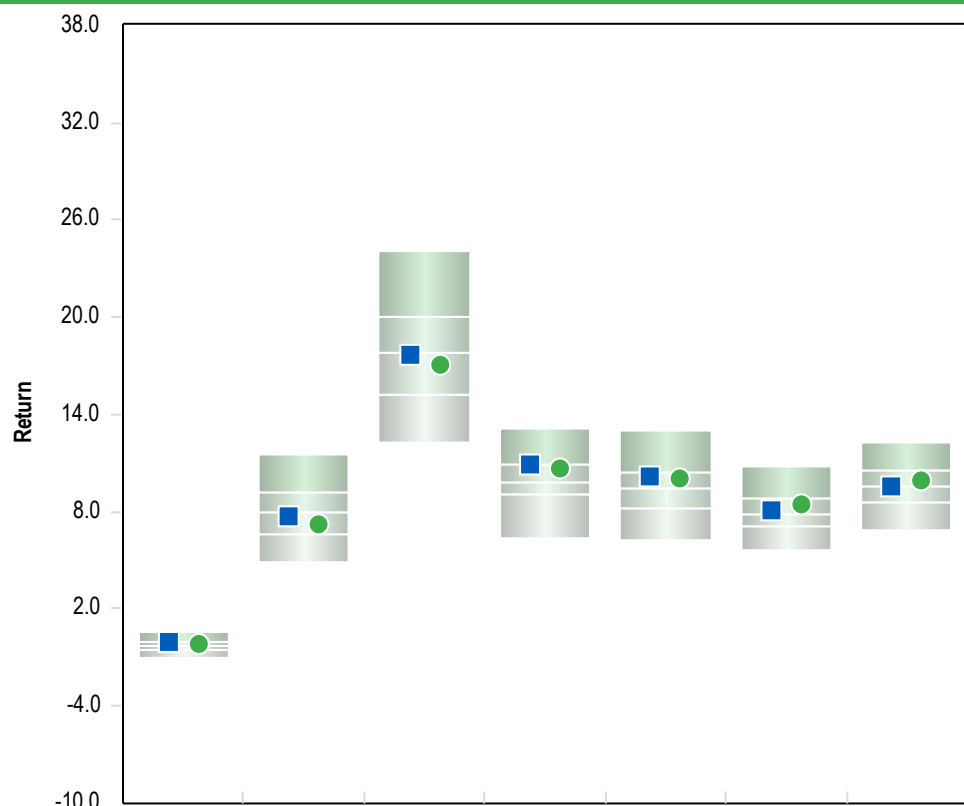
Style Map - 36 Months



Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of stocks issued by companies located in developed and emerging markets, excluding the United States.

IM Mixed-Asset Target Alloc Moderate (MF)



■ CREF Social Choice R3	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	0.0 (27)	7.7 (53)	17.7 (51)	11.0 (23)	10.1 (29)	8.1 (42)	9.6 (49)
● CREF Social Choice Composite BM	-0.1 (32)	7.2 (62)	17.1 (58)	10.7 (30)	10.0 (31)	8.4 (33)	9.9 (44)

5th Percentile	0.6	11.6	24.1	13.1	13.0	10.8	12.3
1st Quartile	0.0	9.2	20.0	10.9	10.4	8.9	10.5
Median	-0.3	8.0	17.8	9.8	9.4	7.9	9.6
3rd Quartile	-0.6	6.6	15.2	9.0	8.2	7.1	8.6
95th Percentile	-1.1	4.9	12.3	6.3	6.2	5.6	6.9

Population	602	593	586	550	490	441	367
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	8.2	8.3
Minimum Return	-10.1	-8.6
Return	11.0	10.7
Cumulative Return	36.7	35.6
Active Return	0.3	0.0
Excess Return	10.0	9.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	101.5	100.0
Down Market Capture	100.1	100.0

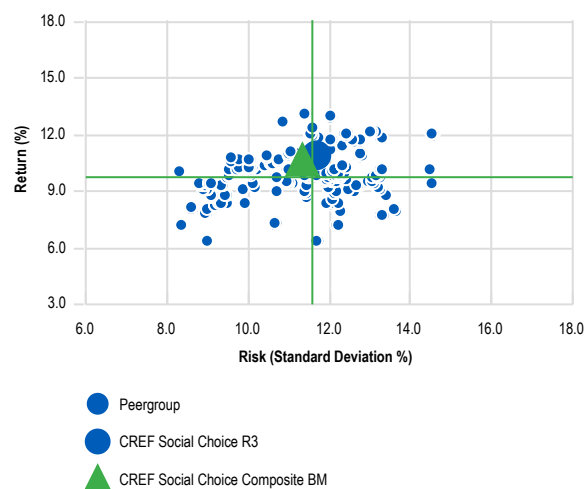
Risk / Return Summary Statistics

Standard Deviation	11.7	11.4
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.1	0.0
Information Ratio	0.3	-
Sharpe Ratio	0.8	0.8

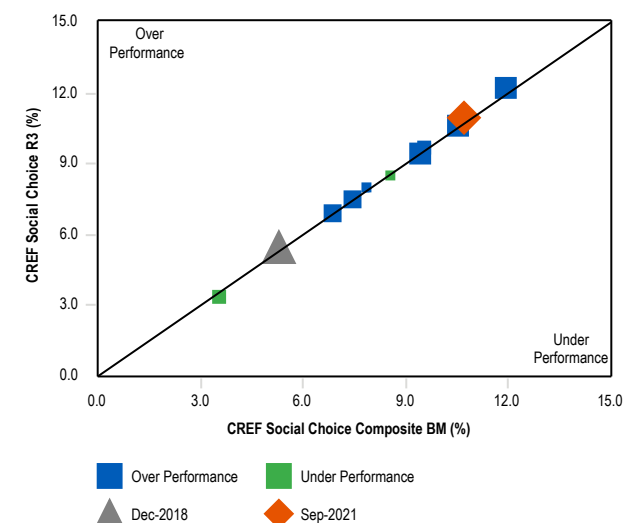
Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Peer Group Scattergram - 36 Months



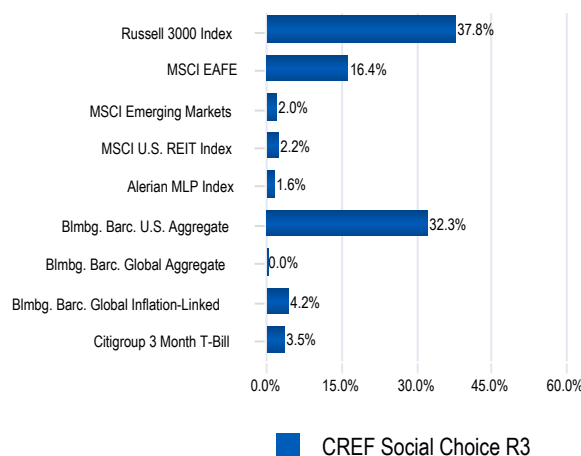
3 Year Rolling Under/Over Performance



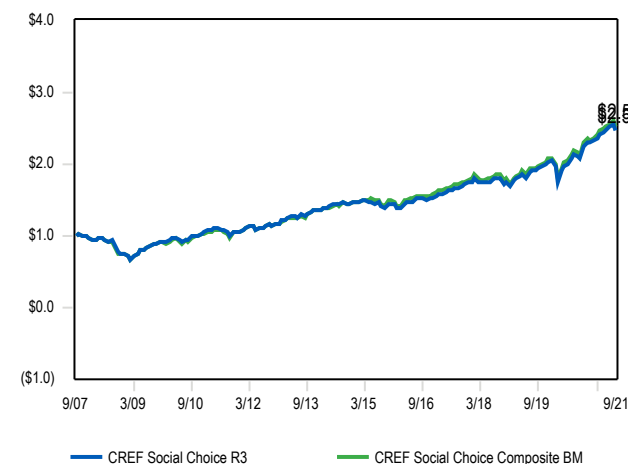
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	9.4	9.2
Beta	1.0	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	0.1	-
Tracking Error	1.0	0.0
Consistency	53.3	0.0
Up Market Capture	100.5	100.0
Down Market Capture	99.5	100.0
R-Squared	1.0	1.0

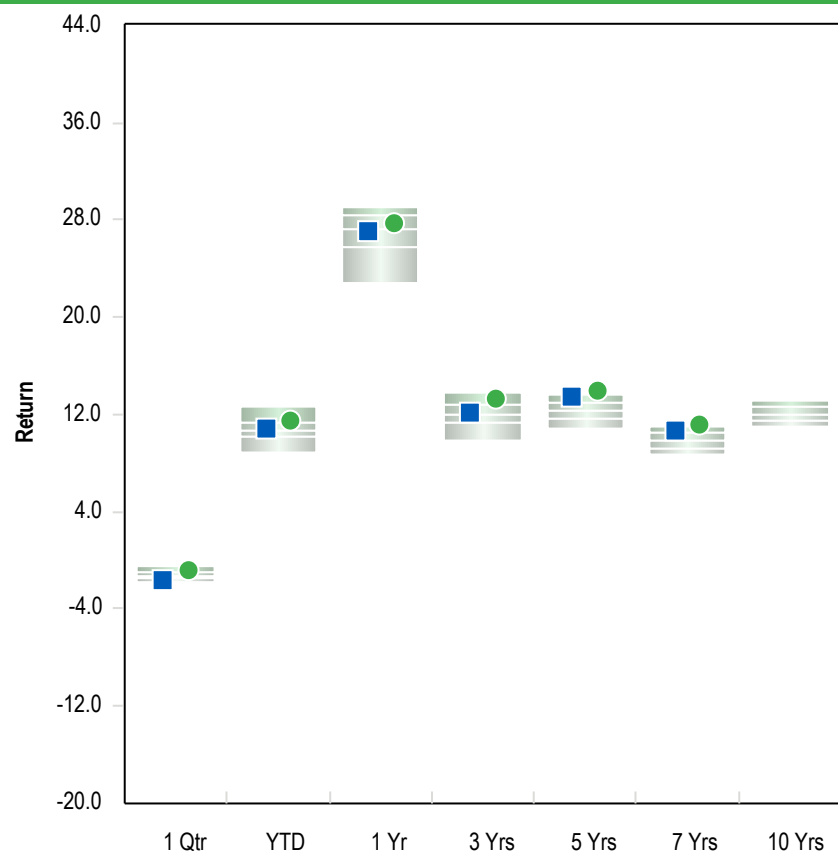
Investment Style Exposure (Returns based) - 36 Months



Growth of \$1 - Since Inception



IM Mixed-Asset Target 2055 (MF)



■ TIAA Lifecycle 2060-Inst
 ● TIAA-CREF Lifecycle 2060 Active Composite Index

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0
Population	214	204	204	190	147	108	56

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.5	11.8
Minimum Return	-14.0	-13.3
Return	12.2	13.3
Cumulative Return	41.2	45.3
Active Return	-0.8	0.0
Excess Return	12.1	12.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.5	100.0
Down Market Capture	105.7	100.0

Risk / Return Summary Statistics

Standard Deviation	18.2	17.6
Alpha	-1.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.6	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2060;Inst (TLXNX)
 Fund Family : TIAA-CREF
 Ticker : TLXNX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : TIAA-CREF Lifecycle 2060 Active Composite Index
 Fund Inception : 09/26/2014
 Portfolio Manager : Team Managed
 Total Assets : \$313 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.7%
 Net Expense : 0.5%

Fund Characteristics As of 04/30/2021

Total Securities 20
 Avg. Market Cap \$239,471 Million
 P/E 33.5
 P/B 7.4
 Div. Yield 1.7%
 Annual EPS 3.5
 5Yr EPS 12.6
 3Yr EPS Growth 12.2

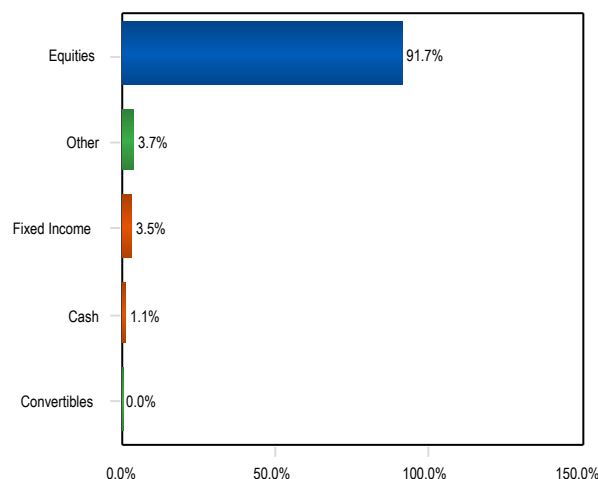
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.7	14.1
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.3	-
Tracking Error	1.4	0.0
Consistency	48.3	0.0
Up Market Capture	101.0	100.0
Down Market Capture	105.0	100.0
R-Squared	1.0	1.0

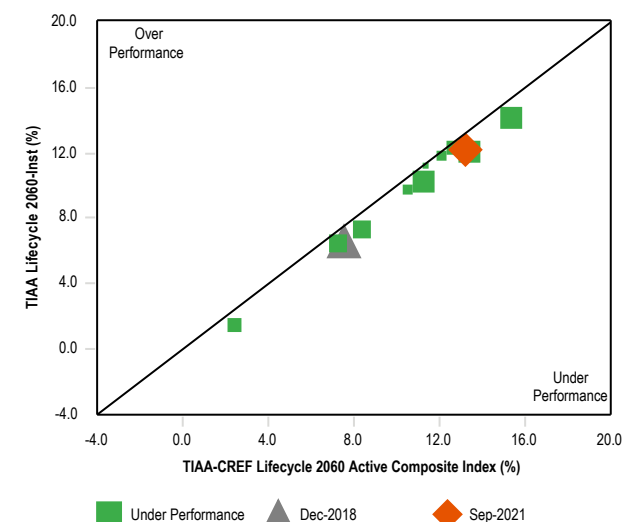
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income. The Fund is a fund of funds that invests in the other funds of the Trust. The Fund invests in funds according to an asset allocation strategy designed for investors retiring/planning to retire within a few years of 2060.

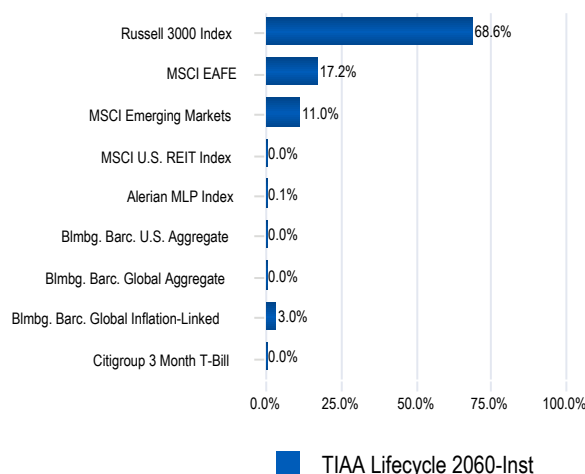
Asset Allocation As of 04/30/2021



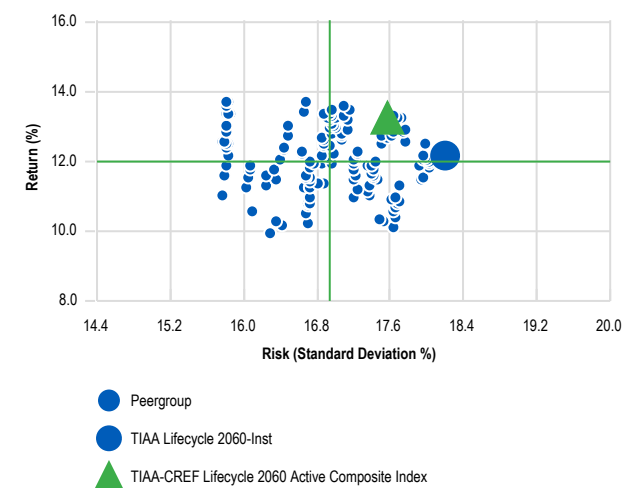
3 Year Rolling Under/Over Performance



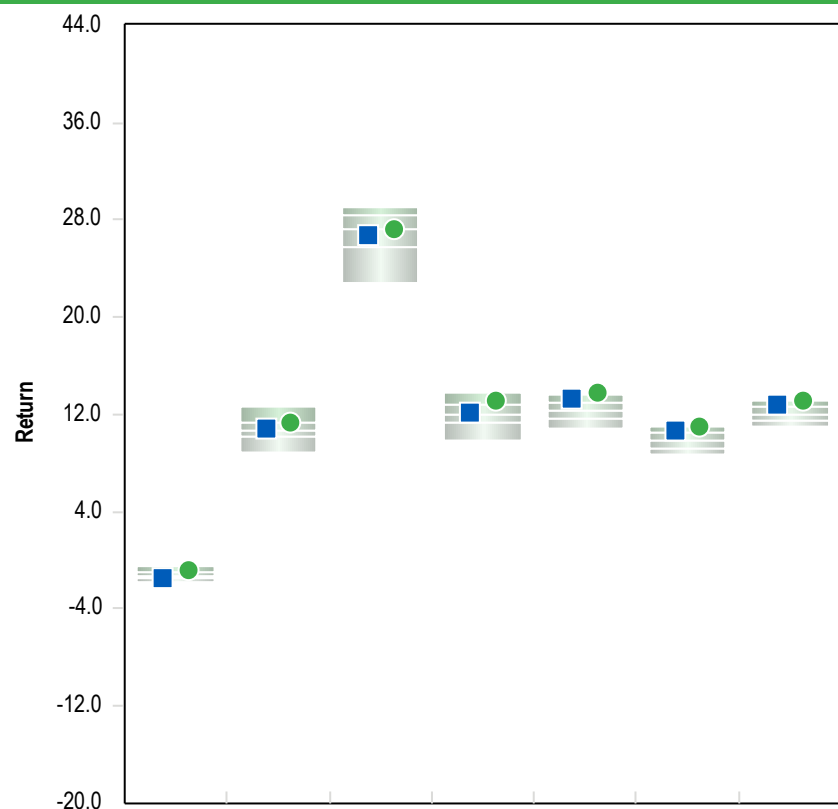
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2055 (MF)



■ TIAA Lifecycle 2055 Instl

● TIAA-CREF Lifecycle 2055 Active Composite Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Lifecycle 2055 Instl	-1.4 (79)	10.9 (41)	26.8 (60)	12.1 (47)	13.3 (14)	10.7 (11)	12.9 (16)
TIAA-CREF Lifecycle 2055 Active Composite Index	-0.8 (14)	11.4 (25)	27.3 (50)	13.2 (20)	13.8 (3)	11.0 (3)	13.2 (6)

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0

Population	214	204	204	190	147	108	56
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.4	11.7
Minimum Return	-13.9	-13.2
Return	12.1	13.2
Cumulative Return	40.9	44.9
Active Return	-0.8	0.0
Excess Return	11.9	12.8

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.5	100.0
Down Market Capture	105.7	100.0

Risk / Return Summary Statistics

Standard Deviation	18.0	17.3
Alpha	-1.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.6	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2055;Instl (TTRIX)
 Fund Family : TIAA-CREF
 Ticker : TTRIX
 Peer Group : IM Mixed-Asset Target 2055 (MF)
 Benchmark : TIAA-CREF Lifecycle 2055 Active Composite Index
 Fund Inception : 04/29/2011
 Portfolio Manager : Team Managed
 Total Assets : \$1,090 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.5%

Fund Characteristics As of 04/30/2021

Total Securities : 20
 Avg. Market Cap : \$236,495 Million
 P/E : 33.1
 P/B : 7.3
 Div. Yield : 1.6%
 Annual EPS : 3.5
 5Yr EPS : 12.4
 3Yr EPS Growth : 12.0

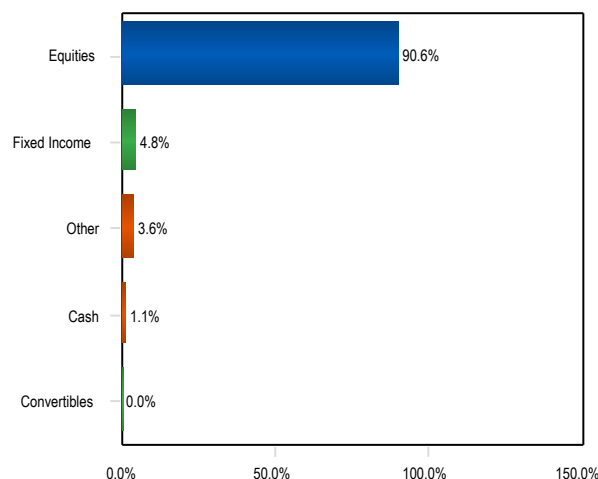
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.5	14.0
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.2	-
Tracking Error	1.3	0.0
Consistency	48.3	0.0
Up Market Capture	101.1	100.0
Down Market Capture	105.1	100.0
R-Squared	1.0	1.0

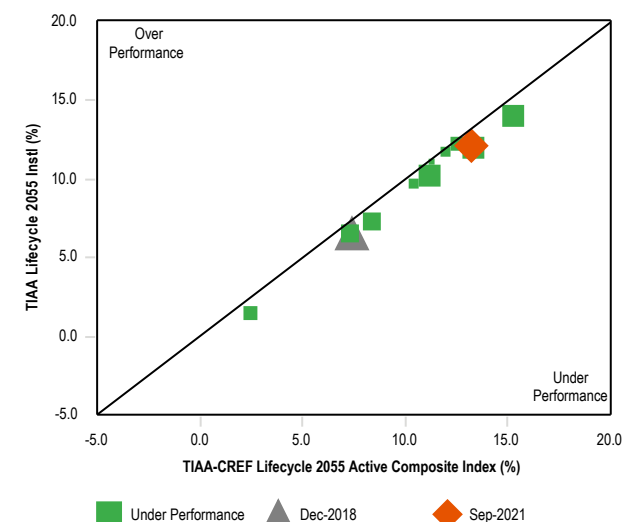
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income. The Fund expects to allocate approximately 90% of its assets to equity Underlying Funds and 10% of its assets to fixed-income Underlying Funds.

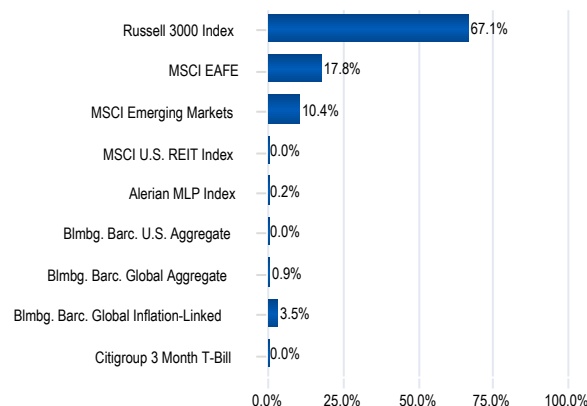
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

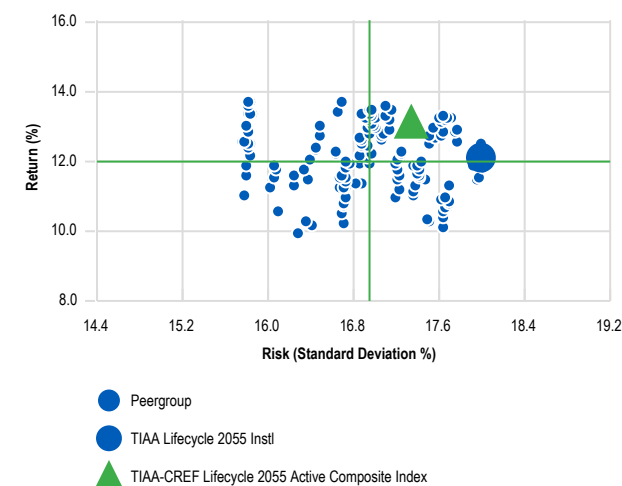


Investment Style Exposure (Returns based) - 36 Months

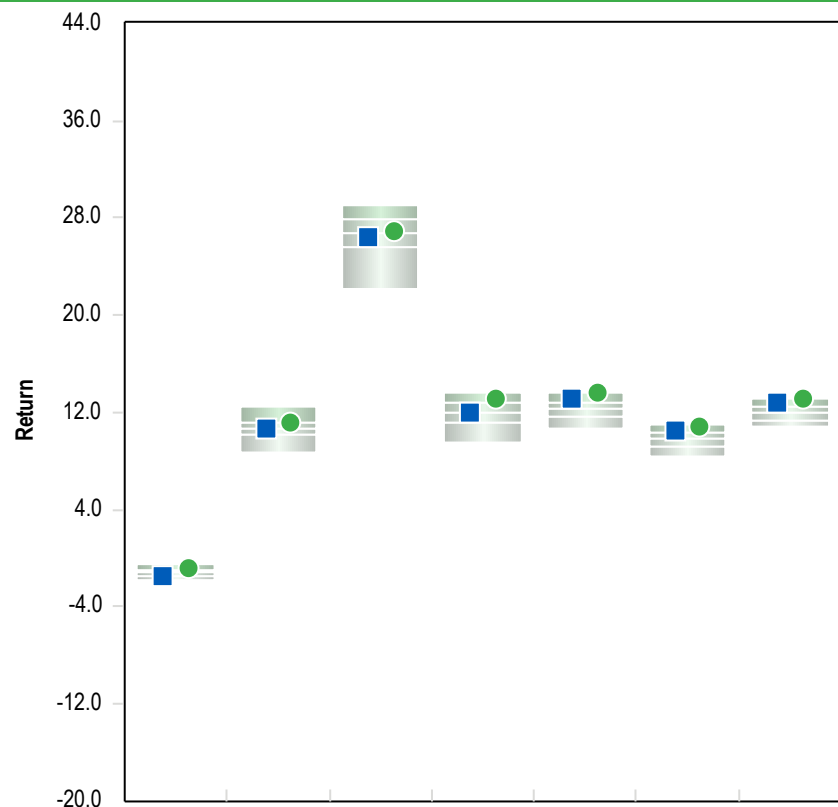


■ TIAA Lifecycle 2055 Instl

Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2050 (MF)



■ TIAA Lifecycle 2050 Instl
 ● TIAA-CREF Lifecycle 2050 Active Composite Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
5th Percentile	-0.4	12.5	29.1	13.7	13.6	11.0	13.2
1st Quartile	-0.9	11.2	27.9	12.8	12.9	10.3	12.4
Median	-1.2	10.6	26.8	12.0	12.3	9.8	12.0
3rd Quartile	-1.4	10.1	25.7	11.2	11.7	9.1	11.4
95th Percentile	-1.7	8.8	22.2	9.6	10.6	8.3	10.9
Population	216	206	206	192	152	116	77

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.3	11.5
Minimum Return	-13.8	-13.0
Return	12.0	13.1
Cumulative Return	40.7	44.6
Active Return	-0.8	0.0
Excess Return	11.9	12.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.9	100.0
Down Market Capture	106.2	100.0

Risk / Return Summary Statistics

Standard Deviation	17.8	17.1
Alpha	-1.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.6	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2050;Instl (TFTIX)
 Fund Family : TIAA-CREF
 Ticker : TFTIX
 Peer Group : IM Mixed-Asset Target 2050 (MF)
 Benchmark : TIAA-CREF Lifecycle 2050 Active Composite Index
 Fund Inception : 11/30/2007
 Portfolio Manager : Team Managed
 Total Assets : \$2,622 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.5%

Fund Characteristics As of 04/30/2021

Total Securities : 20
 Avg. Market Cap : \$233,269 Million
 P/E : 32.7
 P/B : 7.2
 Div. Yield : 1.6%
 Annual EPS : 3.5
 5Yr EPS : 12.3
 3Yr EPS Growth : 11.8

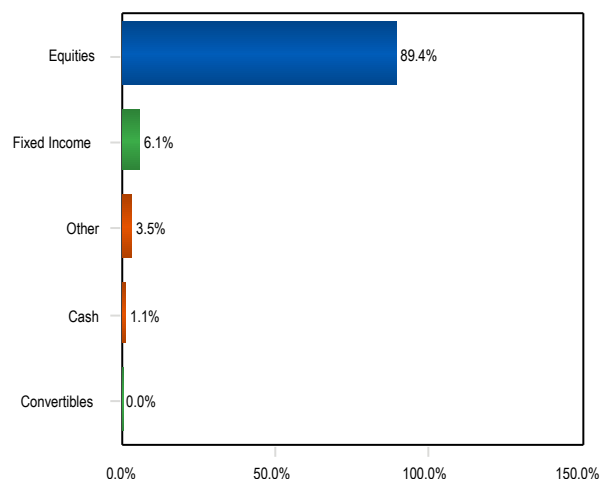
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.4	13.8
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.2	-
Tracking Error	1.3	0.0
Consistency	50.0	0.0
Up Market Capture	101.5	100.0
Down Market Capture	105.8	100.0
R-Squared	1.0	1.0

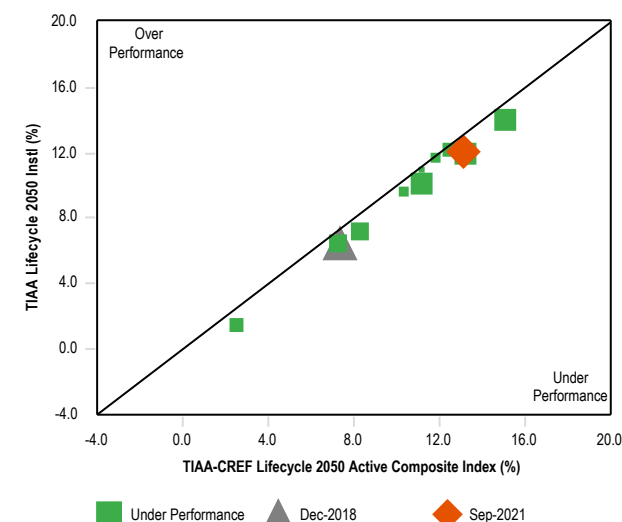
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income. The Fund seeks to allocate approximately 90% of its assets to equity Underlying Funds and 10% of its assets to fixed-income Underlying Funds.

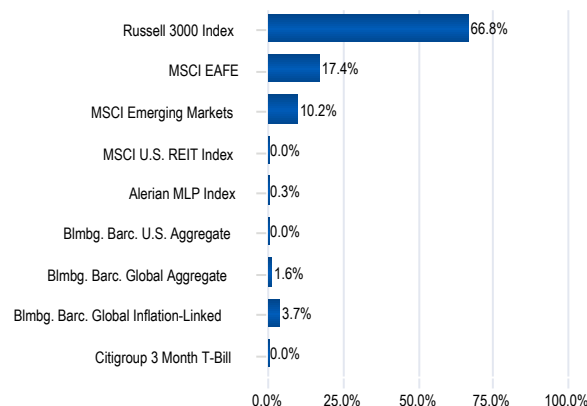
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

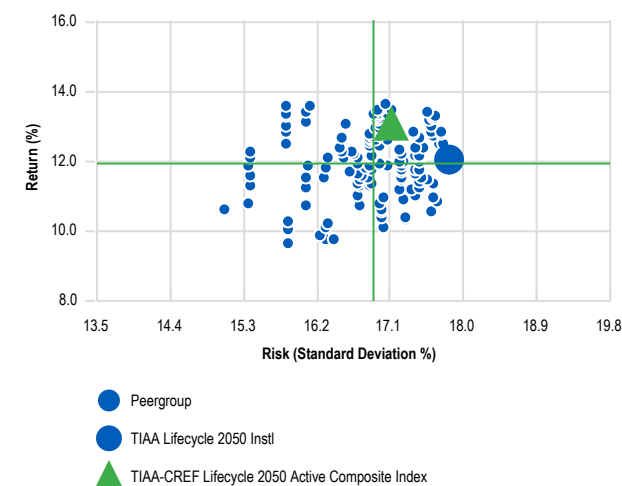


Investment Style Exposure (Returns based) - 36 Months

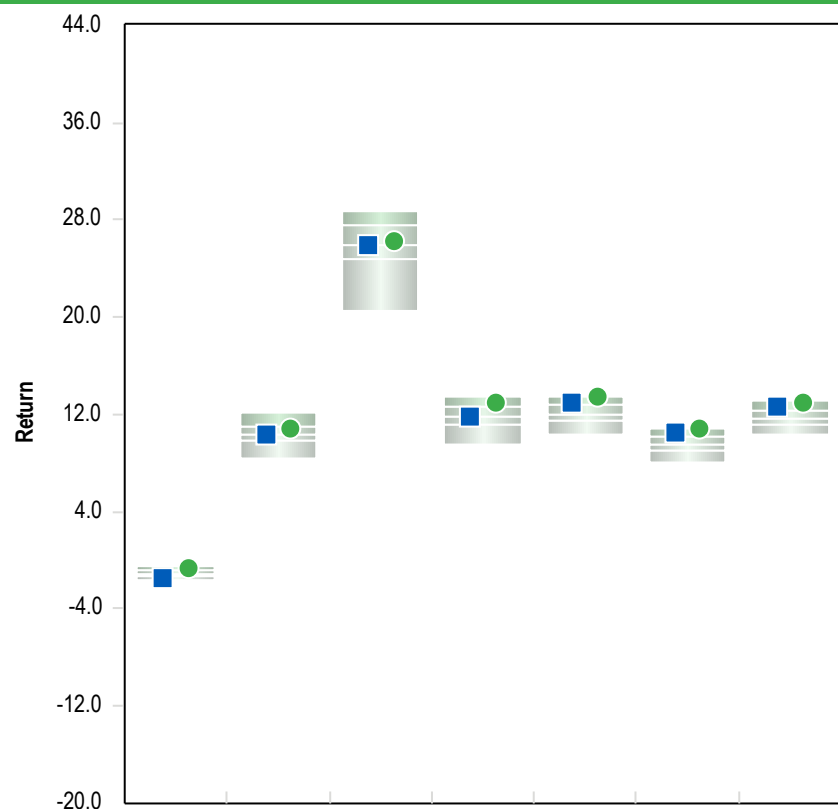


TIAA Lifecycle 2050 Instl

Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2045 (MF)



■ TIAA Lifecycle 2045 Instl
 ● TIAA-CREF Lifecycle 2045 Active Composite Index

5th Percentile	-0.4	12.1	28.7	13.5	13.4	10.8	13.1
1st Quartile	-0.9	11.0	27.6	12.7	12.8	10.2	12.3
Median	-1.1	10.4	25.9	11.9	12.1	9.6	11.7
3rd Quartile	-1.4	9.9	24.8	11.1	11.5	9.0	11.2
95th Percentile	-1.7	8.3	20.6	9.5	10.4	8.1	10.3
Population	214	204	204	190	149	114	76

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.1	11.3
Minimum Return	-13.7	-12.8
Return	11.9	12.9
Cumulative Return	40.1	44.0
Active Return	-0.8	0.0
Excess Return	11.7	12.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.9	100.0
Down Market Capture	106.4	100.0

Risk / Return Summary Statistics

Standard Deviation	17.6	16.9
Alpha	-1.4	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.6	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2045;Instl (TTFIX)
 Fund Family : TIAA-CREF
 Ticker : TTFIX
 Peer Group : IM Mixed-Asset Target 2045 (MF)
 Benchmark : TIAA-CREF Lifecycle 2045 Active Composite Index
 Fund Inception : 11/30/2007
 Portfolio Manager : Team Managed
 Total Assets : \$3,551 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.5%

Fund Characteristics As of 04/30/2021

Total Securities : 20
 Avg. Market Cap : \$227,087 Million
 P/E : 31.8
 P/B : 7.1
 Div. Yield : 1.6%
 Annual EPS : 3.4
 5Yr EPS : 11.9
 3Yr EPS Growth : 11.5

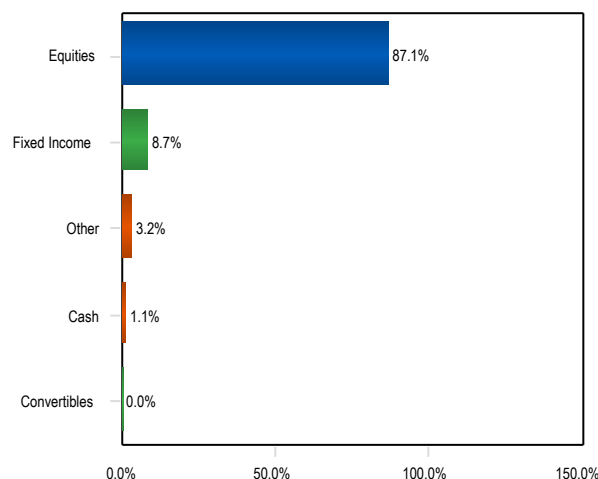
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.2	13.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.2	-
Tracking Error	1.3	0.0
Consistency	51.7	0.0
Up Market Capture	101.6	100.0
Down Market Capture	105.9	100.0
R-Squared	1.0	1.0

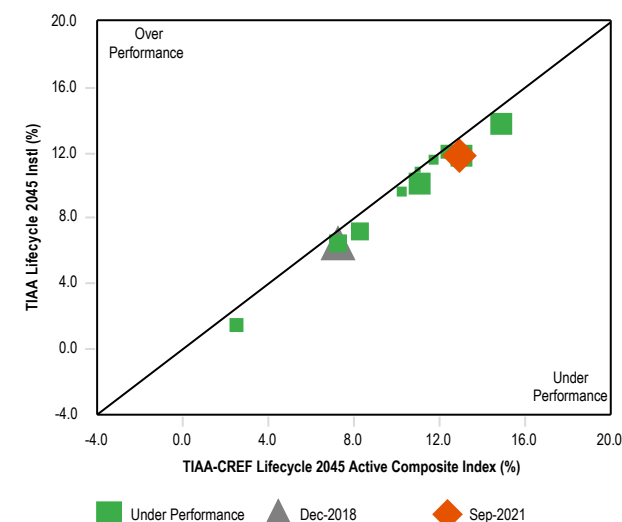
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income. The Fund seeks to allocate approximately 90% of its assets to equity Underlying Funds and 10% of its assets to fixed-income Underlying Funds.

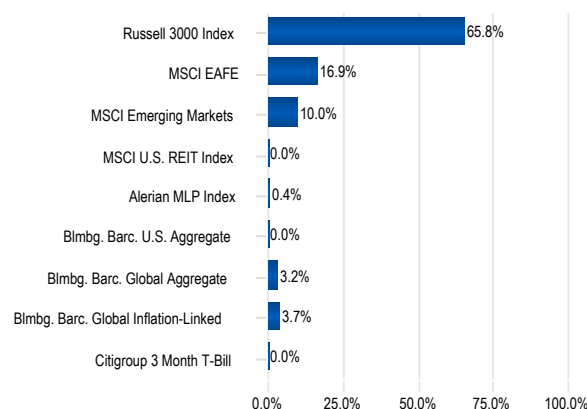
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

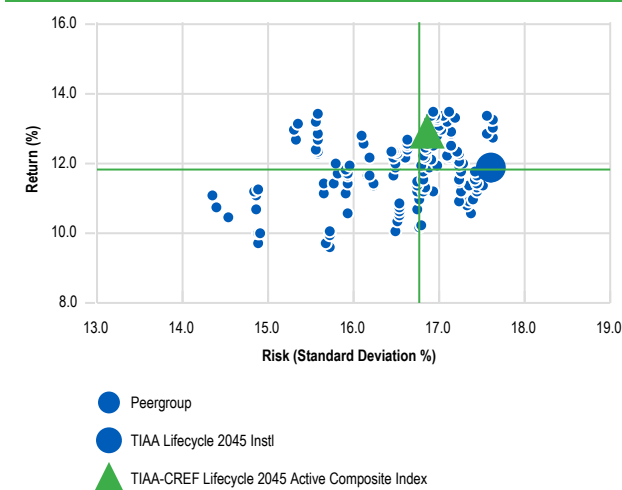


Investment Style Exposure (Returns based) - 36 Months

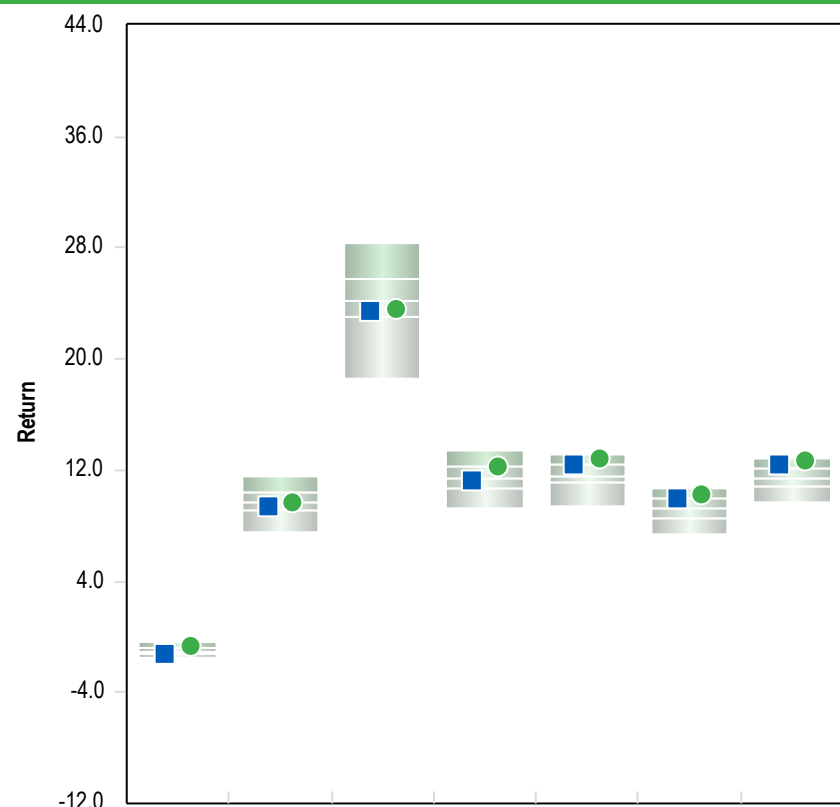


TIAA Lifecycle 2045 Instl

Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2040 (MF)



■ TIAA Lifecycle 2040 Instl
 ● TIAA-CREF Lifecycle 2040 Active Composite Index

5th Percentile	-0.3	11.5	28.3	13.4	13.2	10.6	12.9
1st Quartile	-0.7	10.4	25.8	12.3	12.3	10.0	12.1
Median	-1.0	9.7	24.1	11.4	11.6	9.3	11.4
3rd Quartile	-1.3	9.1	23.0	10.6	11.1	8.6	10.8
95th Percentile	-1.5	7.5	18.7	9.2	9.4	7.4	9.7
Population	228	212	210	196	152	116	84

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.2	10.4
Minimum Return	-12.9	-11.8
Return	11.3	12.3
Cumulative Return	37.9	41.5
Active Return	-0.7	0.0
Excess Return	10.9	11.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.9	100.0
Down Market Capture	106.4	100.0

Risk / Return Summary Statistics

Standard Deviation	16.3	15.5
Alpha	-1.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2040;Inst (TCOIX)
 Fund Family : TIAA-CREF
 Ticker : TCOIX
 Peer Group : IM Mixed-Asset Target 2040 (MF)
 Benchmark : TIAA-CREF Lifecycle 2040 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$5,305 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 20
 Avg. Market Cap \$204,969 Million
 P/E 28.7
 P/B 6.4
 Div. Yield 1.4%
 Annual EPS 3.0
 5Yr EPS 10.8
 3Yr EPS Growth 10.4

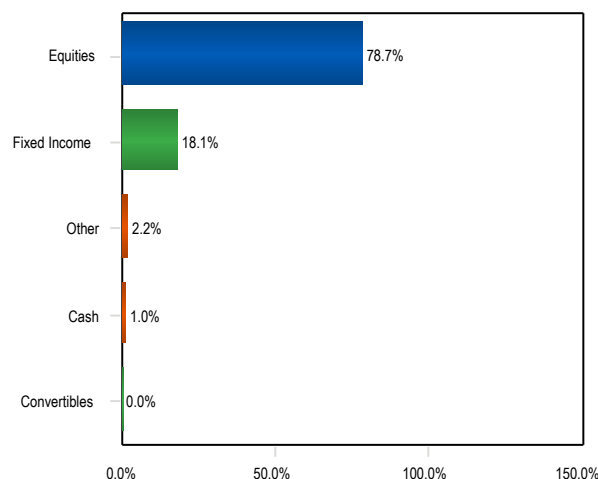
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.1	12.5
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.2	-
Tracking Error	1.3	0.0
Consistency	46.7	0.0
Up Market Capture	101.5	100.0
Down Market Capture	105.6	100.0
R-Squared	1.0	1.0

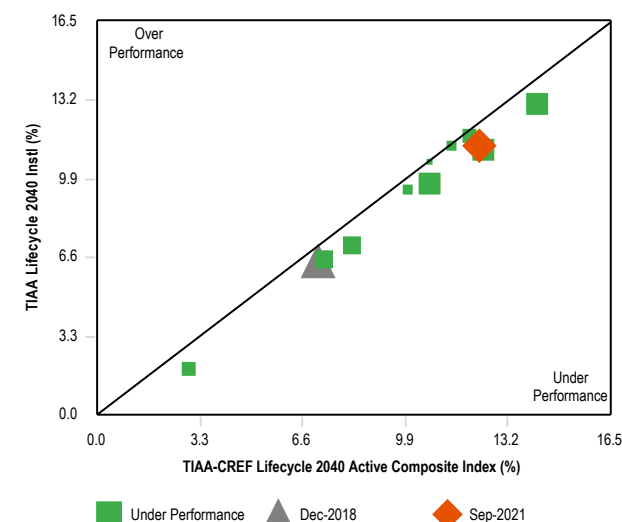
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2040.

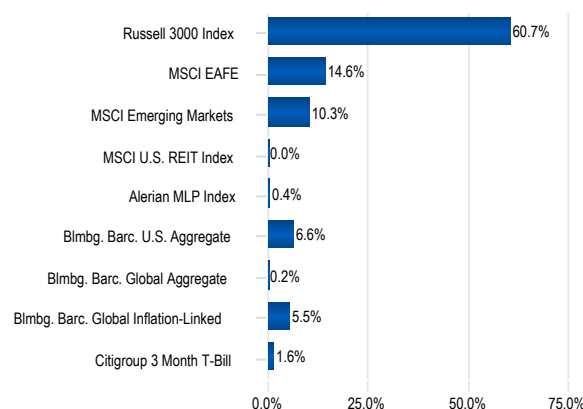
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

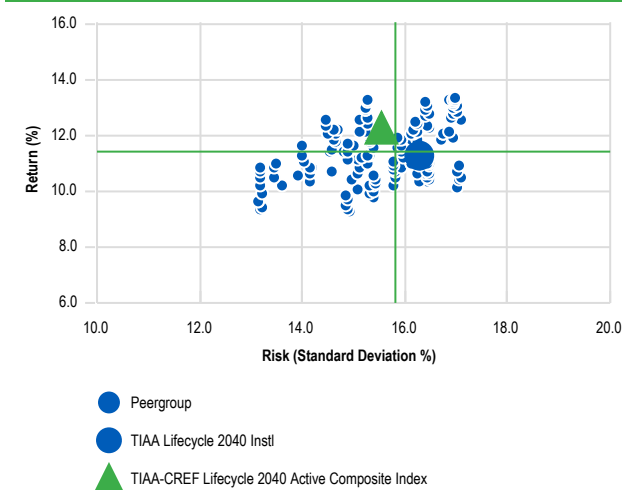


Investment Style Exposure (Returns based) - 36 Months

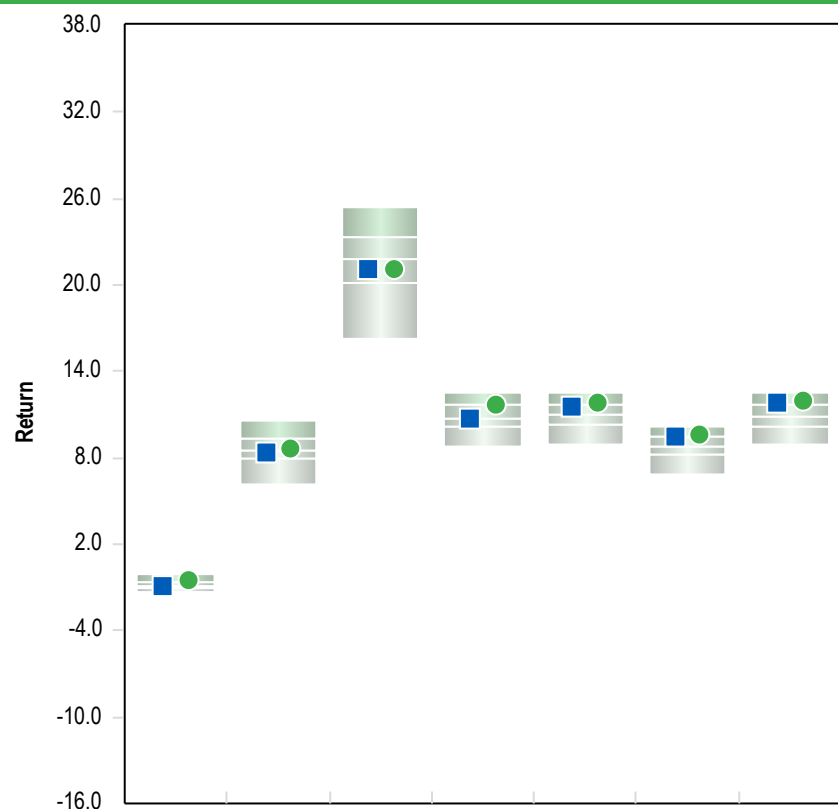


■ TIAA Lifecycle 2040 Instl

Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2035 (MF)



■ TIAA Lifecycle 2035 Instl

● TIAA-CREF Lifecycle 2035 Active Composite Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Lifecycle 2035 Instl	-1.0 (56)	8.4 (56)	21.1 (60)	10.8 (50)	11.6 (28)	9.4 (27)	11.8 (18)
TIAA-CREF Lifecycle 2035 Active Composite Index	-0.6 (21)	8.6 (49)	21.1 (61)	11.7 (25)	11.9 (19)	9.7 (18)	12.0 (14)

5th Percentile	-0.1	10.5	25.4	12.6	12.5	10.1	12.5
1st Quartile	-0.6	9.3	23.3	11.7	11.6	9.5	11.6
Median	-0.9	8.6	21.7	10.8	10.9	8.8	10.8
3rd Quartile	-1.1	7.9	20.1	10.1	10.3	8.2	10.1
95th Percentile	-1.3	6.2	16.3	8.8	8.9	6.9	9.0

Population	220	210	208	194	153	114	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	9.3	9.5
Minimum Return	-12.1	-10.7
Return	10.8	11.7
Cumulative Return	36.0	39.3
Active Return	-0.7	0.0
Excess Return	10.2	10.9

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	101.0	100.0
Down Market Capture	106.9	100.0

Risk / Return Summary Statistics

Standard Deviation	14.8	14.1
Alpha	-1.3	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.4	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.7	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2035;Instl (TCIIX)
 Fund Family : TIAA-CREF
 Ticker : TCIIX
 Peer Group : IM Mixed-Asset Target 2035 (MF)
 Benchmark : TIAA-CREF Lifecycle 2035 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$4,463 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$182,657 Million
 P/E 25.6
 P/B 5.7
 Div. Yield 1.3%
 Annual EPS 2.7
 5Yr EPS 9.6
 3Yr EPS Growth 9.3

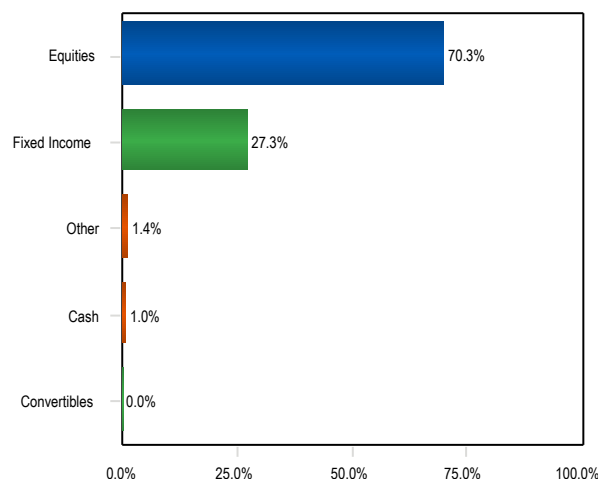
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	12.0	11.4
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.2	-
Tracking Error	1.2	0.0
Consistency	51.7	0.0
Up Market Capture	101.9	100.0
Down Market Capture	106.6	100.0
R-Squared	1.0	1.0

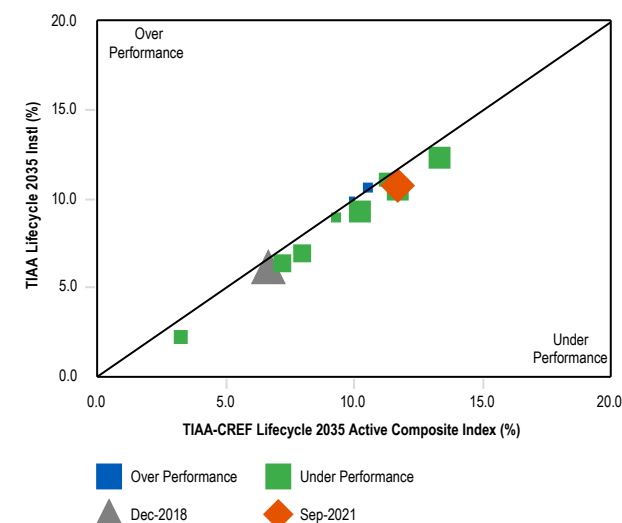
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2035.

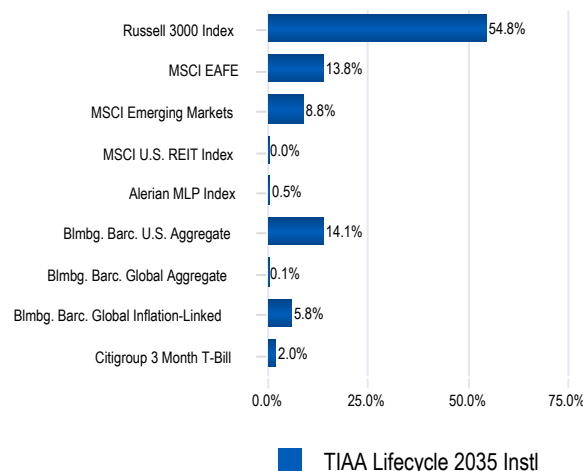
Asset Allocation As of 04/30/2021



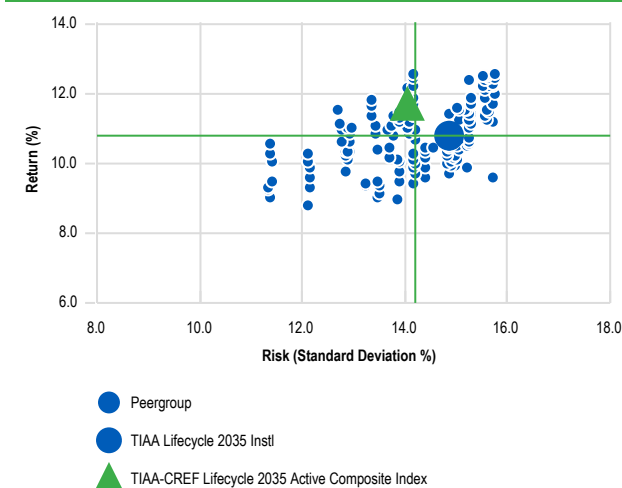
3 Year Rolling Under/Over Performance



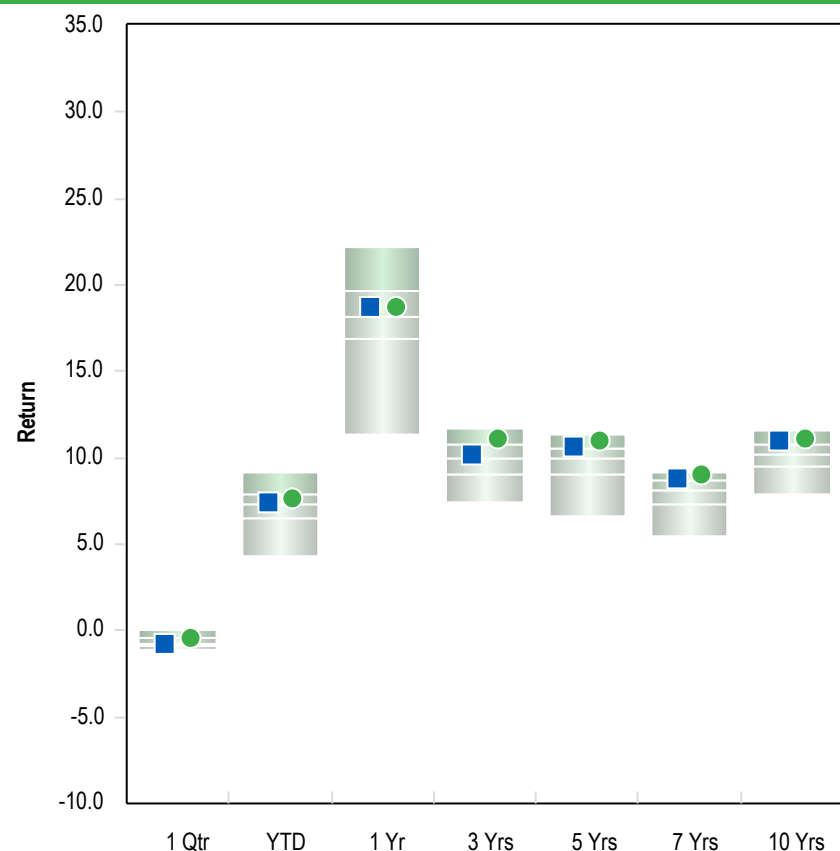
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2030 (MF)



■ TIAA Lifecycle 2030 Instl	-0.8 (63)	7.4 (44)	18.7 (40)	10.2 (43)	10.7 (22)	8.8 (19)	11.0 (17)
● TIAA-CREF Lifecycle 2030 Active Composite Index	-0.5 (26)	7.6 (34)	18.7 (40)	11.1 (17)	11.0 (14)	9.0 (11)	11.1 (15)

5th Percentile	0.1	9.1	22.2	11.7	11.3	9.2	11.6
1st Quartile	-0.4	7.9	19.7	10.7	10.6	8.7	10.8
Median	-0.7	7.3	18.1	10.0	10.0	8.1	10.1
3rd Quartile	-0.9	6.5	16.9	9.0	9.0	7.3	9.5
95th Percentile	-1.1	4.3	11.3	7.5	6.6	5.5	7.9
Population	228	218	214	200	160	124	84

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	8.5	8.5
Minimum Return	-11.1	-9.6
Return	10.2	11.1
Cumulative Return	33.8	37.0
Active Return	-0.7	0.0
Excess Return	9.5	10.2

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	100.2	100.0
Down Market Capture	106.0	100.0

Risk / Return Summary Statistics

Standard Deviation	13.3	12.6
Alpha	-1.3	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.7	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2030;Instl (TCRIX)
 Fund Family : TIAA-CREF
 Ticker : TCRIX
 Peer Group : IM Mixed-Asset Target 2030 (MF)
 Benchmark : TIAA-CREF Lifecycle 2030 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$4,211 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$160,414 Million
 P/E 22.4
 P/B 5.0
 Div. Yield 1.1%
 Annual EPS 2.4
 5Yr EPS 8.4
 3Yr EPS Growth 8.1

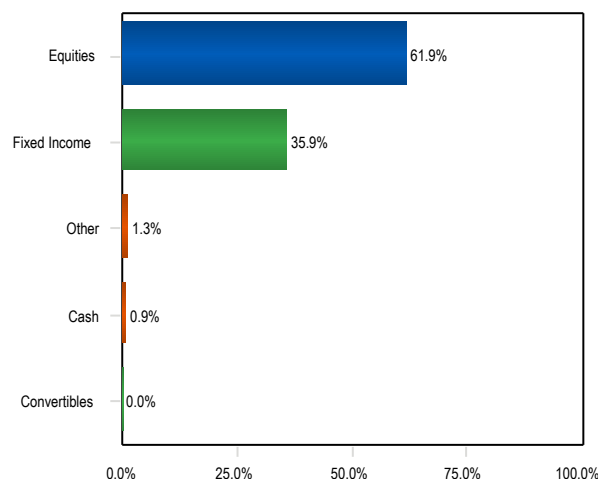
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	10.7	10.2
Beta	1.0	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.2	-
Tracking Error	1.2	0.0
Consistency	46.7	0.0
Up Market Capture	101.3	100.0
Down Market Capture	105.3	100.0
R-Squared	1.0	1.0

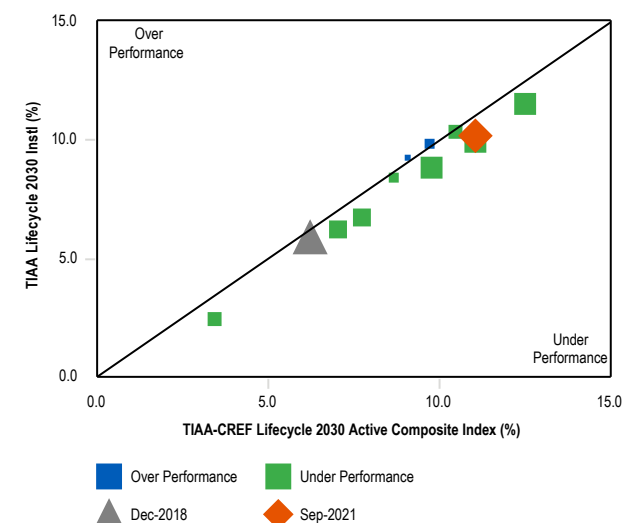
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2030.

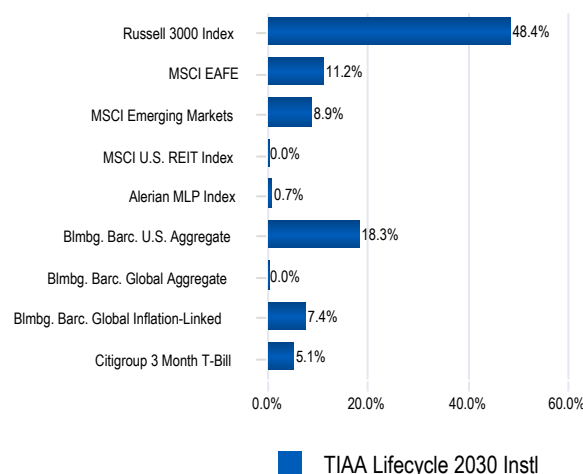
Asset Allocation As of 04/30/2021



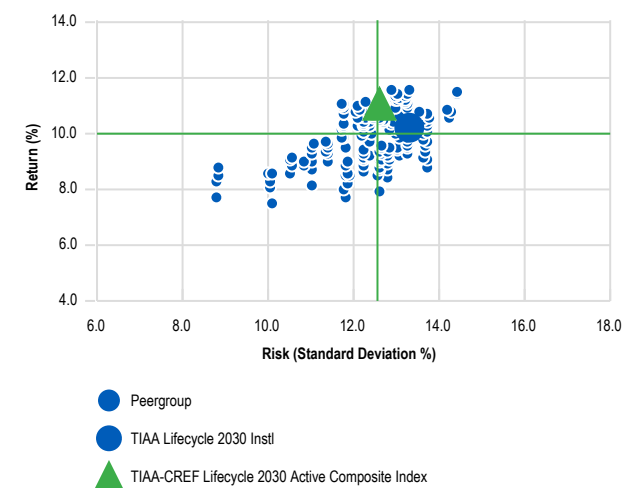
3 Year Rolling Under/Over Performance



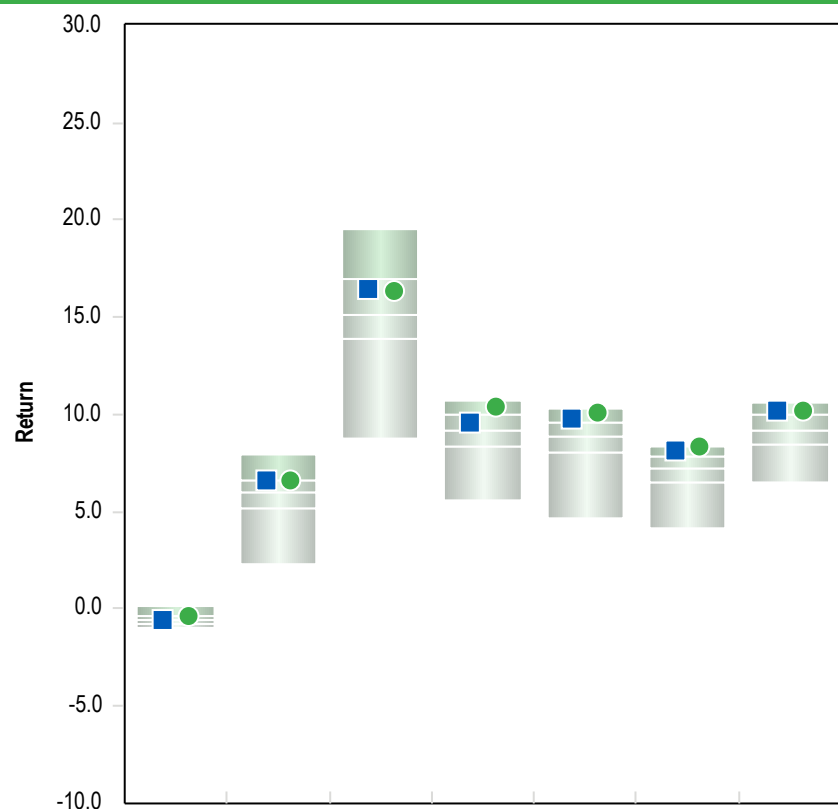
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2025 (MF)



■ TIAA Lifecycle 2025 Instl

● TIAA-CREF Lifecycle 2025 Active Composite Index

5th Percentile	0.2	8.0	19.6	10.8	10.3	8.4	10.6
1st Quartile	-0.3	6.6	17.0	10.0	9.6	7.9	10.0
Median	-0.6	6.0	15.2	9.2	8.9	7.3	9.2
3rd Quartile	-0.7	5.2	13.9	8.3	8.1	6.5	8.5
95th Percentile	-1.0	2.3	8.8	5.6	4.7	4.2	6.5
Population	220	210	208	194	153	118	77

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.6	7.6
Minimum Return	-10.2	-8.5
Return	9.6	10.4
Cumulative Return	31.6	34.5
Active Return	-0.7	0.0
Excess Return	8.7	9.4

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	99.7	100.0
Down Market Capture	105.7	100.0

Risk / Return Summary Statistics

Standard Deviation	11.8	11.2
Alpha	-1.2	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.7	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2025;Instl (TCYIX)
 Fund Family : TIAA-CREF
 Ticker : TCYIX
 Peer Group : IM Mixed-Asset Target 2025 (MF)
 Benchmark : TIAA-CREF Lifecycle 2025 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$3,907 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities : 22
 Avg. Market Cap : \$138,077 Million
 P/E : 19.3
 P/B : 4.3
 Div. Yield : 1.0%
 Annual EPS : 2.0
 5Yr EPS : 7.3
 3Yr EPS Growth : 7.0

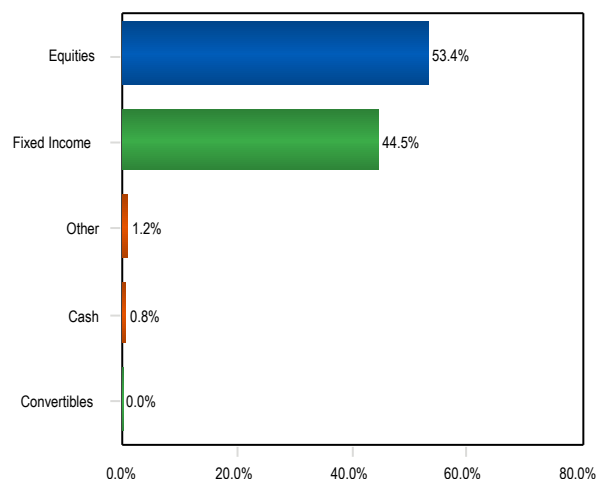
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	9.6	9.0
Beta	1.0	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.2	-
Tracking Error	1.1	0.0
Consistency	48.3	0.0
Up Market Capture	101.0	100.0
Down Market Capture	104.8	100.0
R-Squared	1.0	1.0

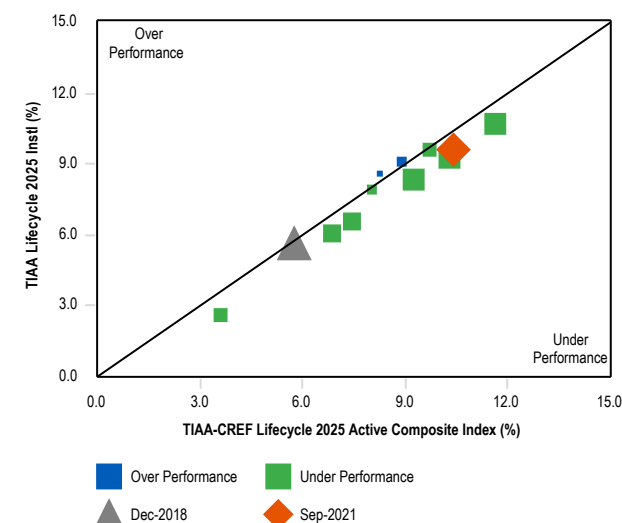
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2025.

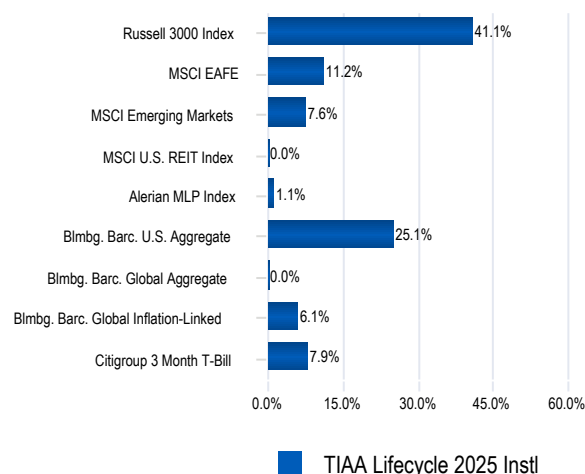
Asset Allocation As of 04/30/2021



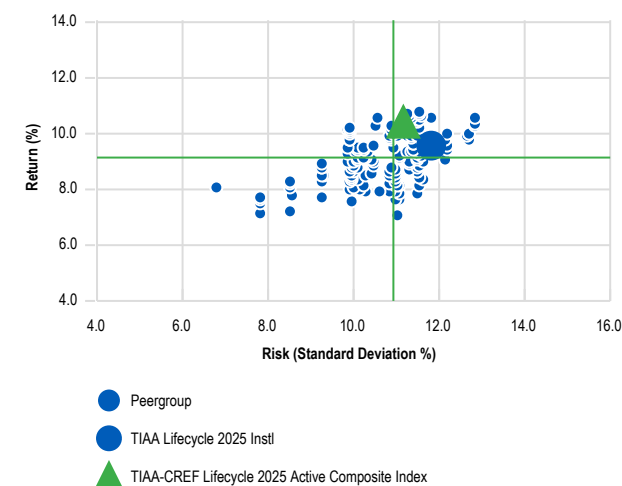
3 Year Rolling Under/Over Performance



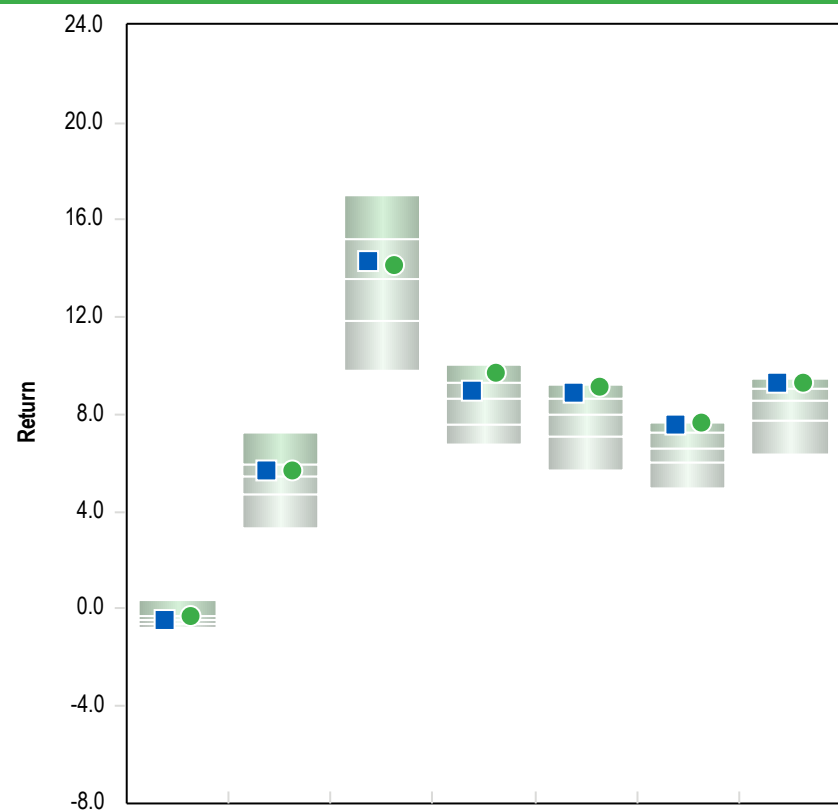
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2020 (MF)



■ TIAA Lifecycle 2020 Instl

● TIAA-CREF Lifecycle 2020 Active Composite Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Lifecycle 2020 Instl	-0.4 (45)	5.7 (42)	14.3 (37)	9.0 (38)	8.9 (14)	7.6 (8)	9.3 (14)
TIAA-CREF Lifecycle 2020 Active Composite Index	-0.2 (25)	5.7 (40)	14.1 (41)	9.7 (15)	9.2 (7)	7.7 (5)	9.3 (13)

5th Percentile	0.4	7.3	17.0	10.0	9.3	7.6	9.5
1st Quartile	-0.3	6.0	15.2	9.3	8.6	7.2	9.1
Median	-0.5	5.5	13.6	8.7	8.0	6.6	8.6
3rd Quartile	-0.6	4.7	11.9	7.6	7.1	6.0	7.8
95th Percentile	-0.8	3.3	9.8	6.8	5.7	5.0	6.4
Population	166	159	159	156	117	87	60

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	6.7	6.7
Minimum Return	-9.2	-7.5
Return	9.0	9.7
Cumulative Return	29.4	32.1
Active Return	-0.6	0.0
Excess Return	8.0	8.6

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	99.3	100.0
Down Market Capture	105.6	100.0

Risk / Return Summary Statistics

Standard Deviation	10.3	9.8
Alpha	-1.2	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.8	0.9

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2020;Instl (TCWIX)
 Fund Family : TIAA-CREF
 Ticker : TCWIX
 Peer Group : IM Mixed-Asset Target 2020 (MF)
 Benchmark : TIAA-CREF Lifecycle 2020 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$2,711 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$117,190 Million
 P/E 16.4
 P/B 3.6
 Div. Yield 0.8%
 Annual EPS 1.7
 5Yr EPS 6.2
 3Yr EPS Growth 6.0

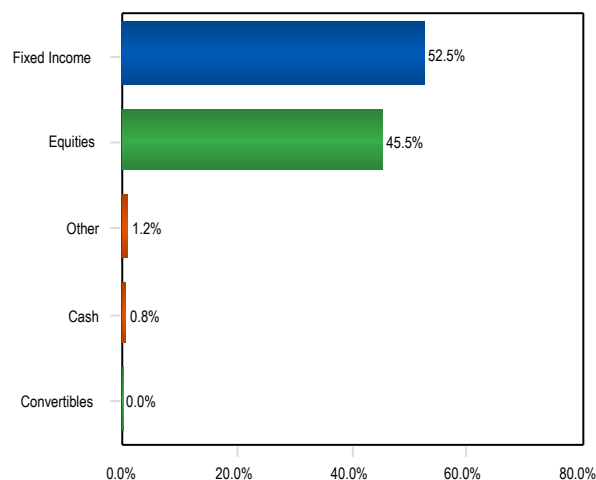
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	8.4	7.9
Beta	1.0	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.2	-
Tracking Error	1.1	0.0
Consistency	43.3	0.0
Up Market Capture	100.7	100.0
Down Market Capture	104.7	100.0
R-Squared	1.0	1.0

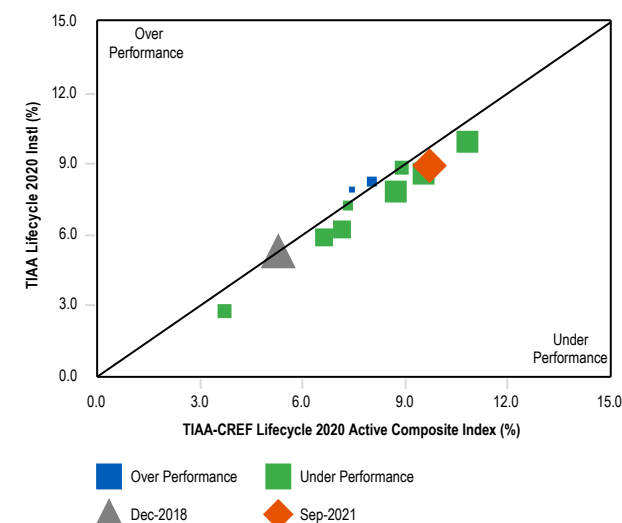
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2020.

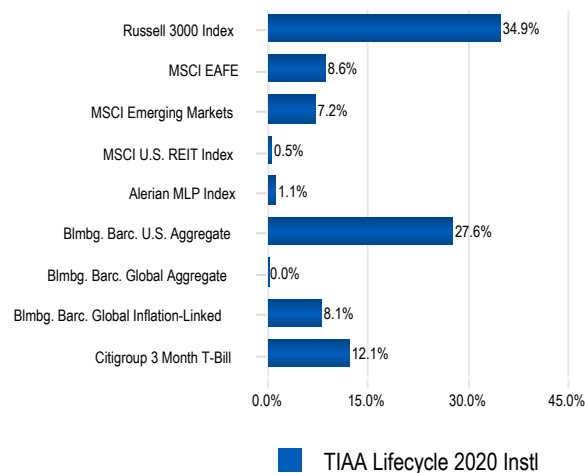
Asset Allocation As of 04/30/2021



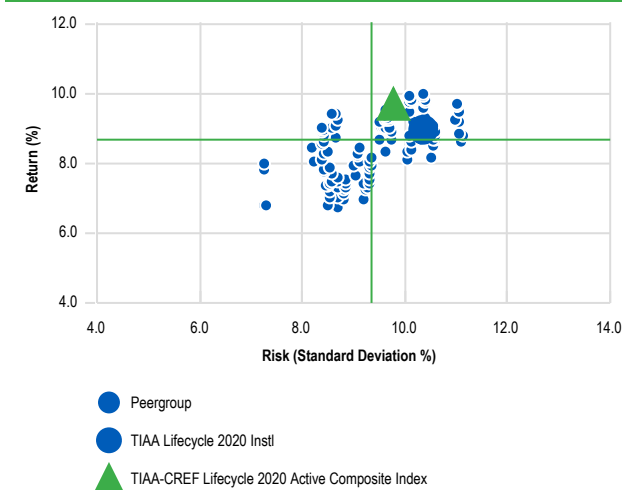
3 Year Rolling Under/Over Performance



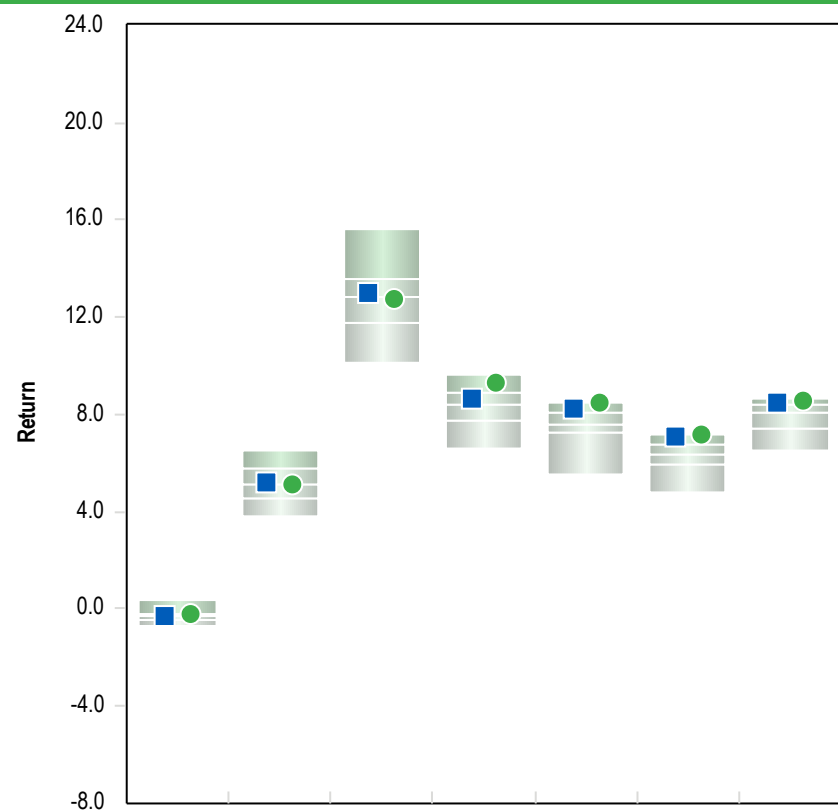
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2015 (MF)



■ TIAA Lifecycle 2015 Instl
 ● TIAA-CREF Lifecycle 2015 Active Composite Index

5th Percentile	0.3	6.5	15.6	9.6	8.5	7.2	8.7
1st Quartile	-0.2	5.8	13.6	8.9	8.1	6.7	8.4
Median	-0.3	5.1	12.9	8.4	7.6	6.4	8.0
3rd Quartile	-0.4	4.6	11.8	7.8	7.2	6.0	7.4
95th Percentile	-0.7	3.8	10.2	6.6	5.5	4.8	6.6
Population	119	112	112	109	75	56	43

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	6.2	6.2
Minimum Return	-8.5	-6.8
Return	8.6	9.3
Cumulative Return	28.2	30.6
Active Return	-0.6	0.0
Excess Return	7.6	8.2

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	99.6	100.0
Down Market Capture	106.4	100.0

Risk / Return Summary Statistics

Standard Deviation	9.4	8.8
Alpha	-1.1	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.2	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.8	0.9

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2015;Instl (TCNIX)
 Fund Family : TIAA-CREF
 Ticker : TCNIX
 Peer Group : IM Mixed-Asset Target 2015 (MF)
 Benchmark : TIAA-CREF Lifecycle 2015 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$1,217 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$104,456 Million
 P/E 14.6
 P/B 3.2
 Div. Yield 0.7%
 Annual EPS 1.6
 5Yr EPS 5.5
 3Yr EPS Growth 5.3

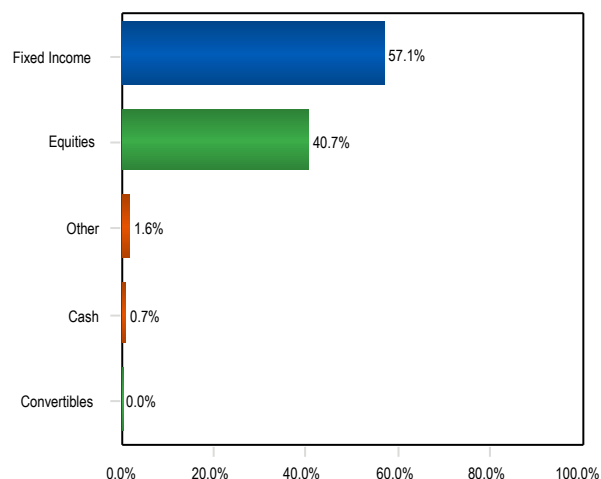
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	7.6	7.1
Beta	1.1	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.1	-
Tracking Error	1.1	0.0
Consistency	46.7	0.0
Up Market Capture	101.1	100.0
Down Market Capture	105.1	100.0
R-Squared	1.0	1.0

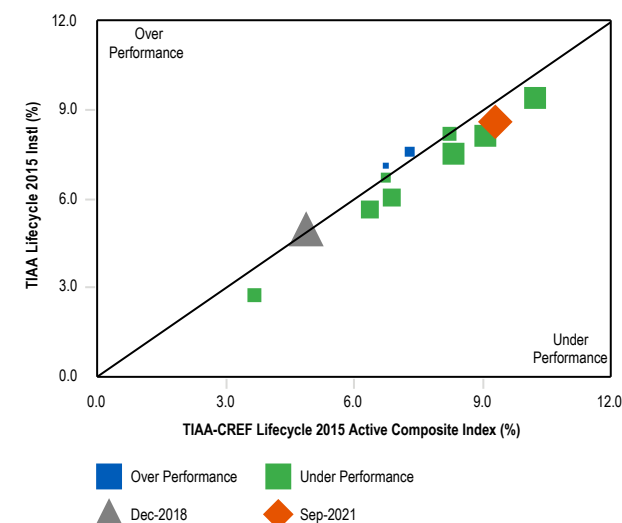
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2015.

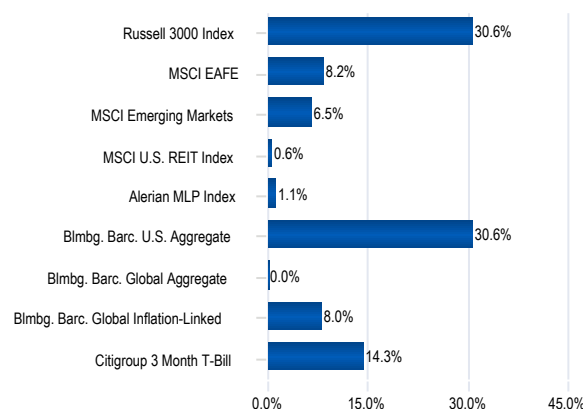
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

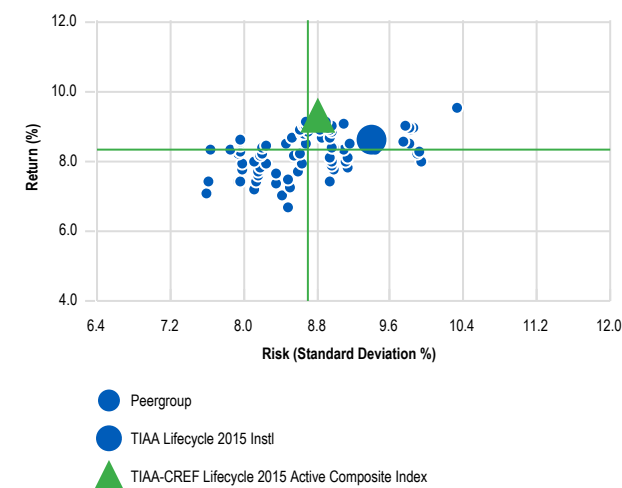


Investment Style Exposure (Returns based) - 36 Months

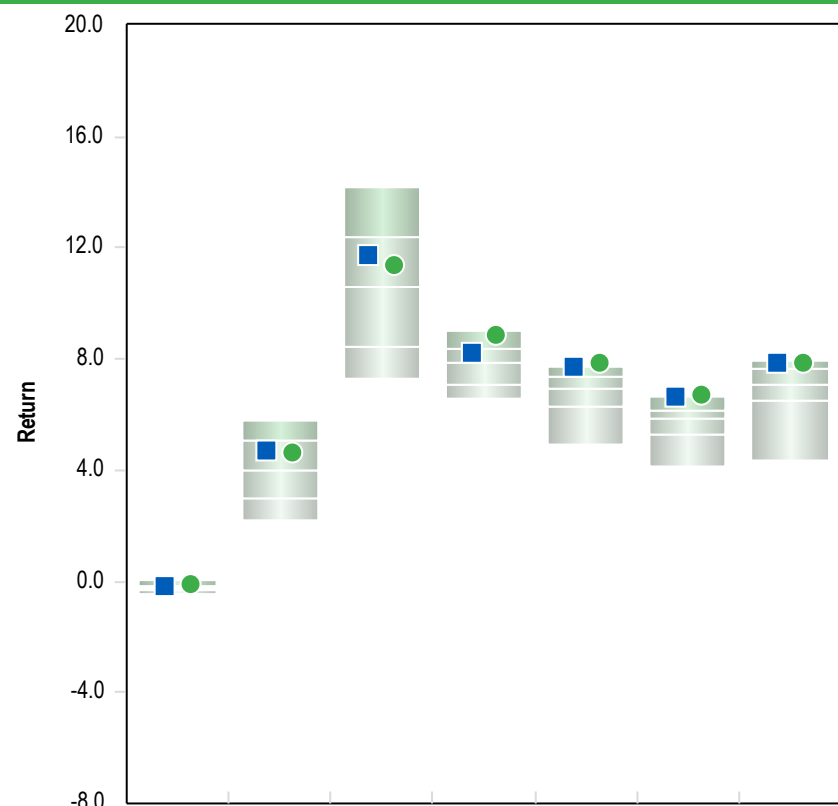


■ TIAA Lifecycle 2015 Instl

Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2010 (MF)



■ TIAA Lifecycle 2010 Instl

● TIAA-CREF Lifecycle 2010 Active Composite Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-0.2 (24)	4.7 (35)	11.8 (26)	8.3 (29)	7.7 (6)	6.6 (4)	7.9 (6)
	-0.1 (17)	4.6 (37)	11.4 (32)	8.9 (9)	7.9 (3)	6.7 (2)	7.9 (7)

5th Percentile	0.1	5.8	14.2	9.0	7.7	6.6	8.0
1st Quartile	-0.2	5.1	12.4	8.3	7.3	6.2	7.6
Median	-0.3	4.0	10.6	7.9	6.9	5.9	7.1
3rd Quartile	-0.4	3.0	8.5	7.0	6.3	5.2	6.5
95th Percentile	-0.5	2.2	7.3	6.6	4.9	4.1	4.3

Population	122	113	113	109	73	61	48
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	5.6	5.7
Minimum Return	-7.9	-6.1
Return	8.3	8.9
Cumulative Return	26.9	29.0
Active Return	-0.5	0.0
Excess Return	7.2	7.7

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	100.0	100.0
Down Market Capture	107.1	100.0

Risk / Return Summary Statistics

Standard Deviation	8.5	7.9
Alpha	-1.1	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.4	-
Sharpe Ratio	0.8	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy 2010;Instl (TCTIX)
 Fund Family : TIAA-CREF
 Ticker : TCTIX
 Peer Group : IM Mixed-Asset Target 2010 (MF)
 Benchmark : TIAA-CREF Lifecycle 2010 Active Composite Index
 Fund Inception : 01/17/2007
 Portfolio Manager : Team Managed
 Total Assets : \$836 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$92,287 Million
 P/E 12.9
 P/B 2.9
 Div. Yield 0.6%
 Annual EPS 1.4
 5Yr EPS 4.9
 3Yr EPS Growth 4.7

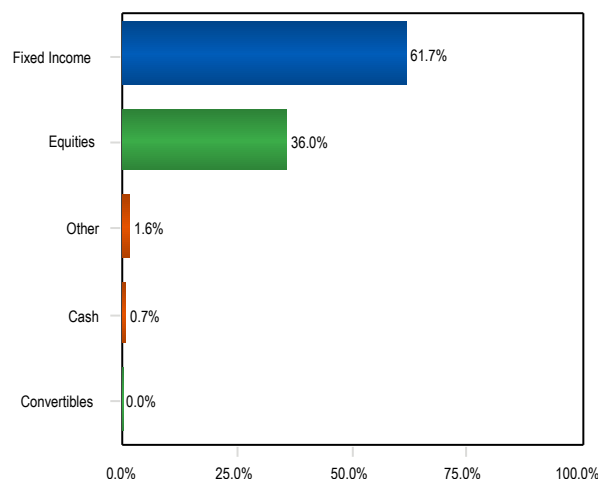
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	6.9	6.5
Beta	1.1	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.1	-
Tracking Error	1.1	0.0
Consistency	48.3	0.0
Up Market Capture	101.4	100.0
Down Market Capture	105.7	100.0
R-Squared	1.0	1.0

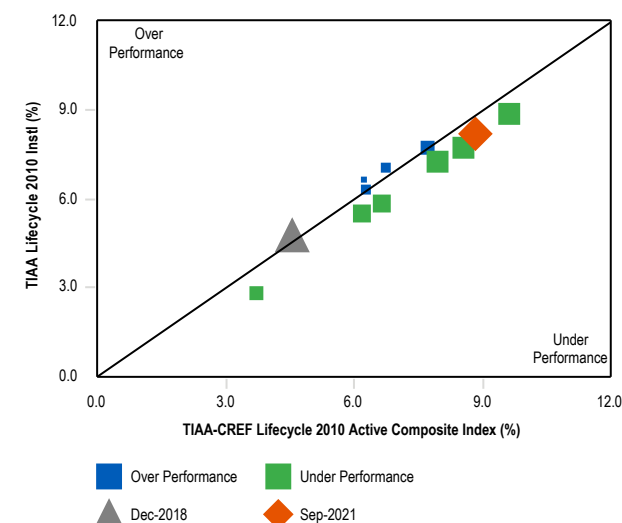
Fund Objective

The Fund seeks high total return over time through a combination of capital appreciation and income by investing in Underlying Funds according to an asset allocation strategy designed for investors planning to retire in or within a few years of 2010.

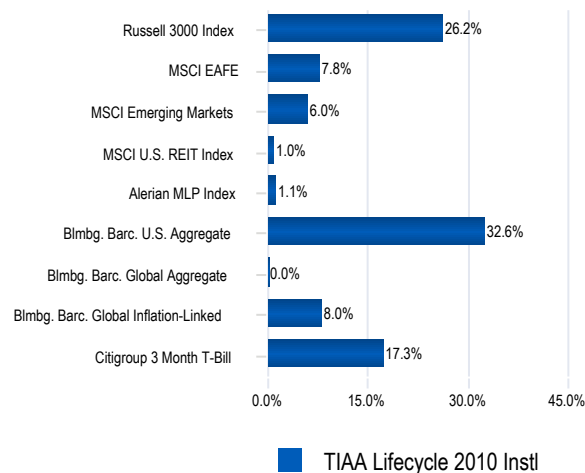
Asset Allocation As of 04/30/2021



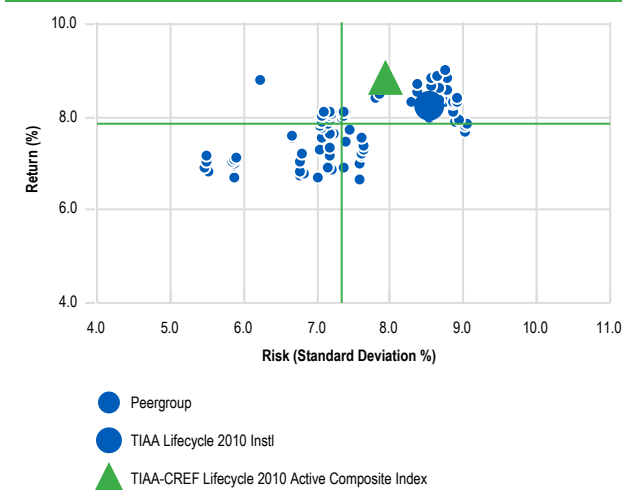
3 Year Rolling Under/Over Performance



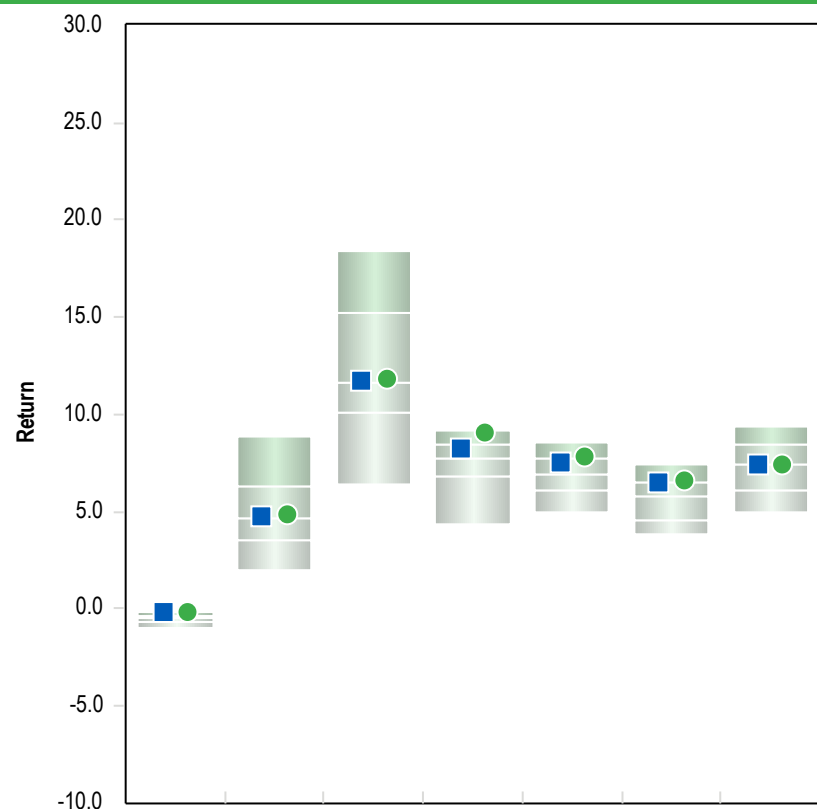
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Retirement Income (MF)



■ TIAA Lifecycle Retire Inc Instl	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	-0.2 (10)	4.8 (48)	11.7 (50)	8.3 (31)	7.6 (29)	6.5 (27)	7.4 (54)
● TIAA-CREF Lifecycle Income Active Composite Index	-0.1 (3)	4.8 (45)	11.9 (50)	9.0 (10)	7.8 (24)	6.7 (22)	7.4 (55)

5th Percentile	-0.2	8.8	18.4	9.2	8.6	7.4	9.4
1st Quartile	-0.3	6.3	15.2	8.5	7.7	6.6	8.4
Median	-0.5	4.7	11.6	7.8	7.0	5.7	7.4
3rd Quartile	-0.6	3.6	10.1	6.8	6.1	4.6	6.1
95th Percentile	-0.9	2.0	6.4	4.4	5.0	3.8	5.0
Population	110	110	110	81	69	33	32

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	5.7	5.7
Minimum Return	-8.0	-6.1
Return	8.3	9.0
Cumulative Return	26.9	29.6
Active Return	-0.7	0.0
Excess Return	7.2	7.8

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	98.7	100.0
Down Market Capture	106.7	100.0

Risk / Return Summary Statistics

Standard Deviation	8.4	7.9
Alpha	-1.2	0.0
Active Return/Risk	-0.1	0.0
Tracking Error	1.3	0.0
Information Ratio	-0.5	-
Sharpe Ratio	0.8	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Lfcy Ret;Inst (TLRIX)
 Fund Family : TIAA-CREF
 Ticker : TLRX
 Peer Group : IM Retirement Income (MF)
 Benchmark : TIAA-CREF Lifecycle Income Active Composite Index
 Fund Inception : 11/30/2007
 Portfolio Manager : Team Managed
 Total Assets : \$245 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.4%

Fund Characteristics As of 04/30/2021

Total Securities 22
 Avg. Market Cap \$93,497 Million
 P/E 13.1
 P/B 2.9
 Div. Yield 0.7%
 Annual EPS 1.4
 5Yr EPS 4.9
 3Yr EPS Growth 4.8

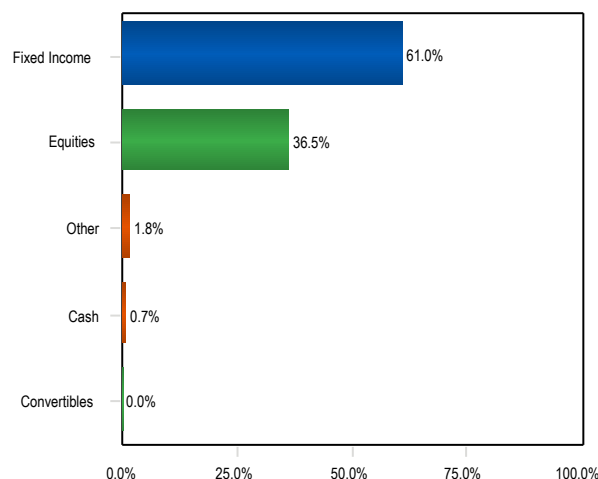
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	6.8	6.4
Beta	1.1	1.0
Sharpe Ratio	0.9	1.0
Information Ratio	-0.2	-
Tracking Error	1.1	0.0
Consistency	50.0	0.0
Up Market Capture	100.4	100.0
Down Market Capture	104.9	100.0
R-Squared	1.0	1.0

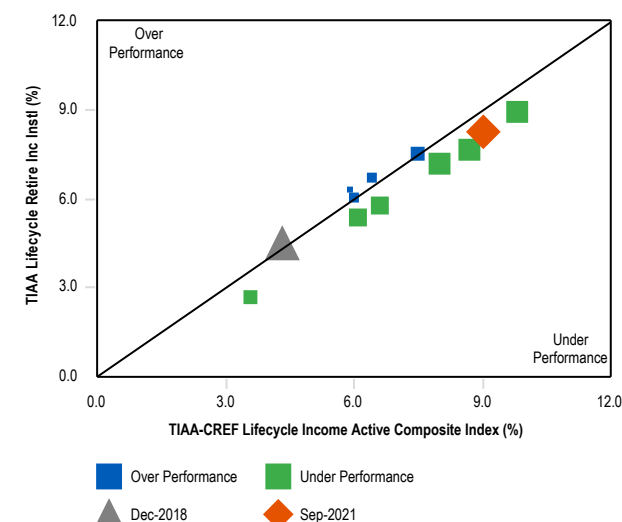
Fund Objective

The Fund seeks high total return over time consistent with an emphasis on both capital growth and income. The Fund seeks to invest in a diversified portfolio consisting of about 40% stocks and 60% bonds.

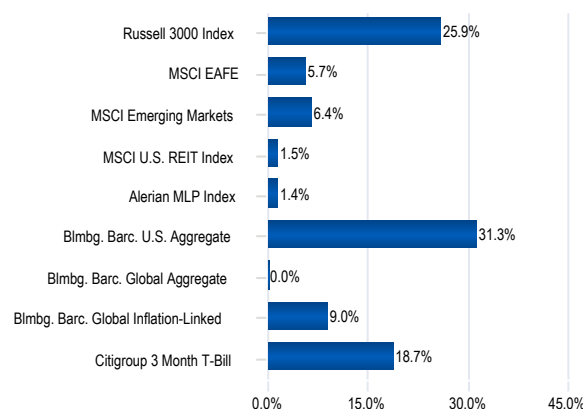
Asset Allocation As of 04/30/2021



3 Year Rolling Under/Over Performance

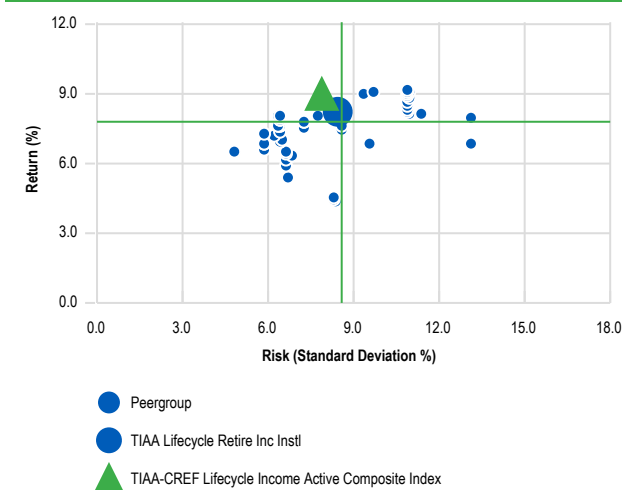


Investment Style Exposure (Returns based) - 36 Months

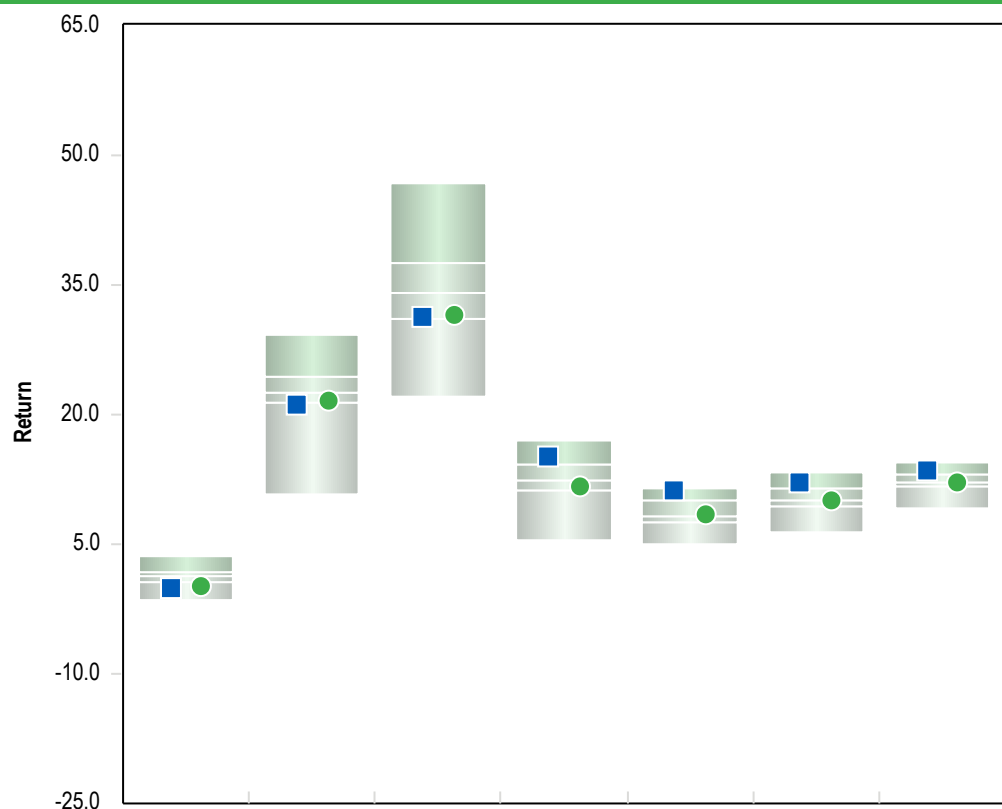


■ TIAA Lifecycle Retire Inc Instl

Peer Group Scattergram - 36 Months



IM Real Estate Sector (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ TIAA Real Est Secs-Inst	-0.2 (91)	21.1 (79)	31.4 (71)	15.2 (16)	11.2 (11)	12.1 (10)	13.6 (16)
● FTSE NAREIT All Equity REITs	0.2 (90)	21.6 (74)	31.5 (70)	11.7 (67)	8.4 (50)	10.0 (54)	12.1 (48)

5th Percentile	3.6	29.3	46.8	16.9	11.5	13.3	14.5
1st Quartile	1.8	24.4	37.6	14.1	10.0	11.5	13.1
Median	1.3	22.5	34.0	12.4	8.3	10.2	12.1
3rd Quartile	0.7	21.5	31.1	11.2	7.5	9.4	11.7
95th Percentile	-1.4	10.8	22.1	5.5	5.0	6.4	9.1

Population	255	251	245	228	201	176	148
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.1	11.6
Minimum Return	-15.8	-18.7
Return	15.2	11.7
Cumulative Return	53.1	39.5
Active Return	2.8	0.0
Excess Return	14.5	11.7

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	102.2	100.0
Down Market Capture	87.1	100.0

Risk / Return Summary Statistics

Standard Deviation	16.6	18.4
Alpha	4.2	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.9	0.0
Information Ratio	1.0	-
Sharpe Ratio	0.9	0.6

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

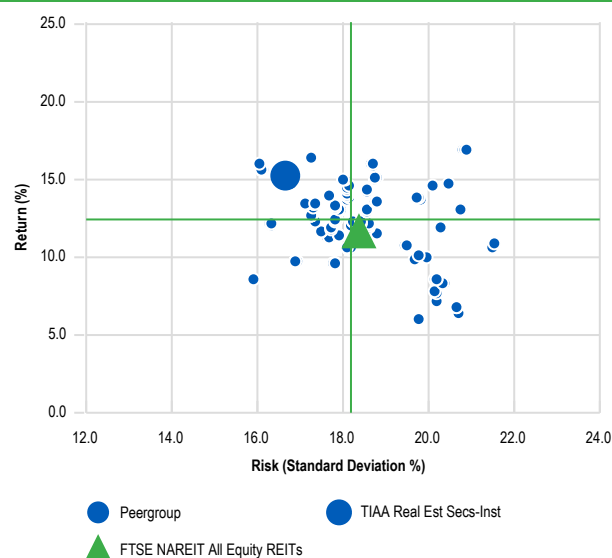
Fund Information

Product Name : TIAA-CREF:Real Est;Inst (TIREX)
 Fund Family : TIAA-CREF
 Ticker : TIREX
 Peer Group : IM Real Estate Sector (MF)
 Benchmark : FTSE NAREIT All Equity REITs
 Fund Inception : 10/01/2002
 Portfolio Manager : Copp/Lee
 Total Assets : \$2,575 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 39%

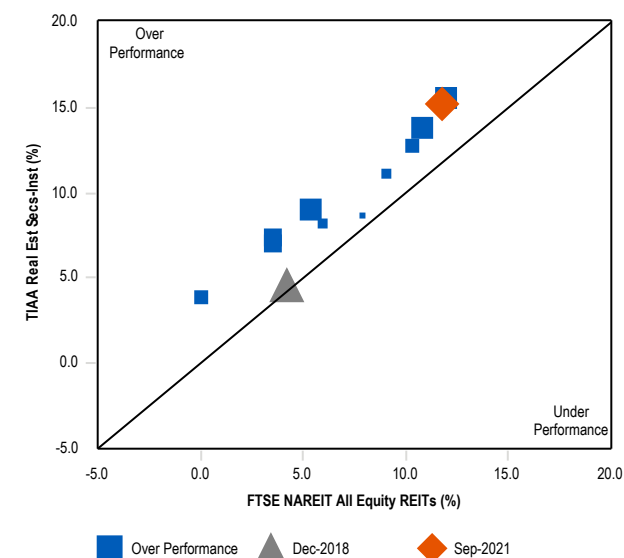
Fund Characteristics As of 03/31/2021

Total Securities 71
 Avg. Market Cap \$32,239 Million
 P/E 46.1
 P/B 5.5
 Div. Yield 3.0%
 Annual EPS -8.0
 5Yr EPS 8.3
 3Yr EPS Growth 11.6

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



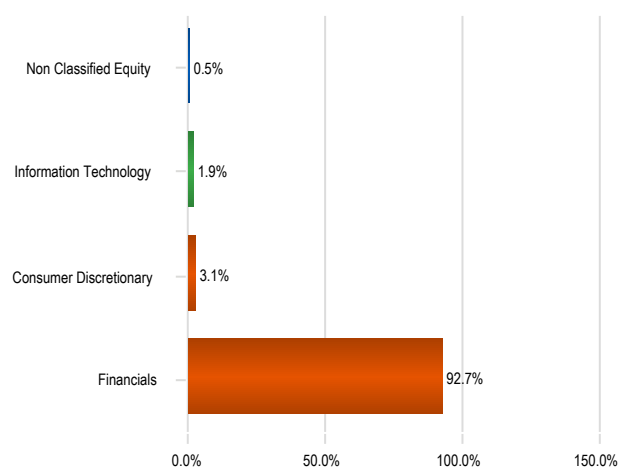
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.3	15.6
Beta	0.9	1.0
Sharpe Ratio	0.7	0.5
Information Ratio	0.9	-
Tracking Error	2.5	0.0
Consistency	60.0	0.0
Up Market Capture	102.5	100.0
Down Market Capture	87.8	100.0
R-Squared	1.0	1.0

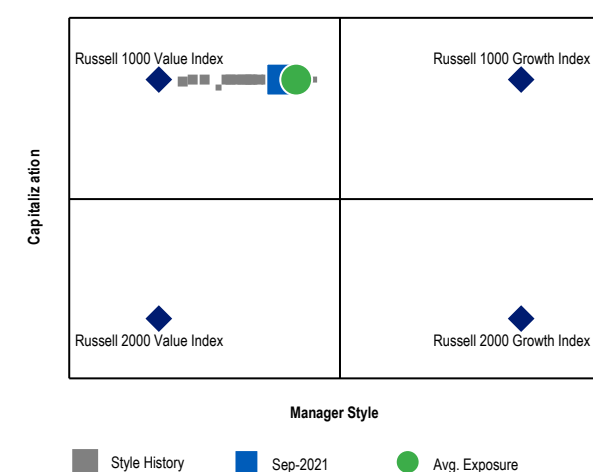
Fund Objective

The Fund seeks to obtain a favorable long-term total return through both capital appreciation and current income, by investing primarily in equity and fixed-income securities of companies principally engaged in or related to the real estate industry.

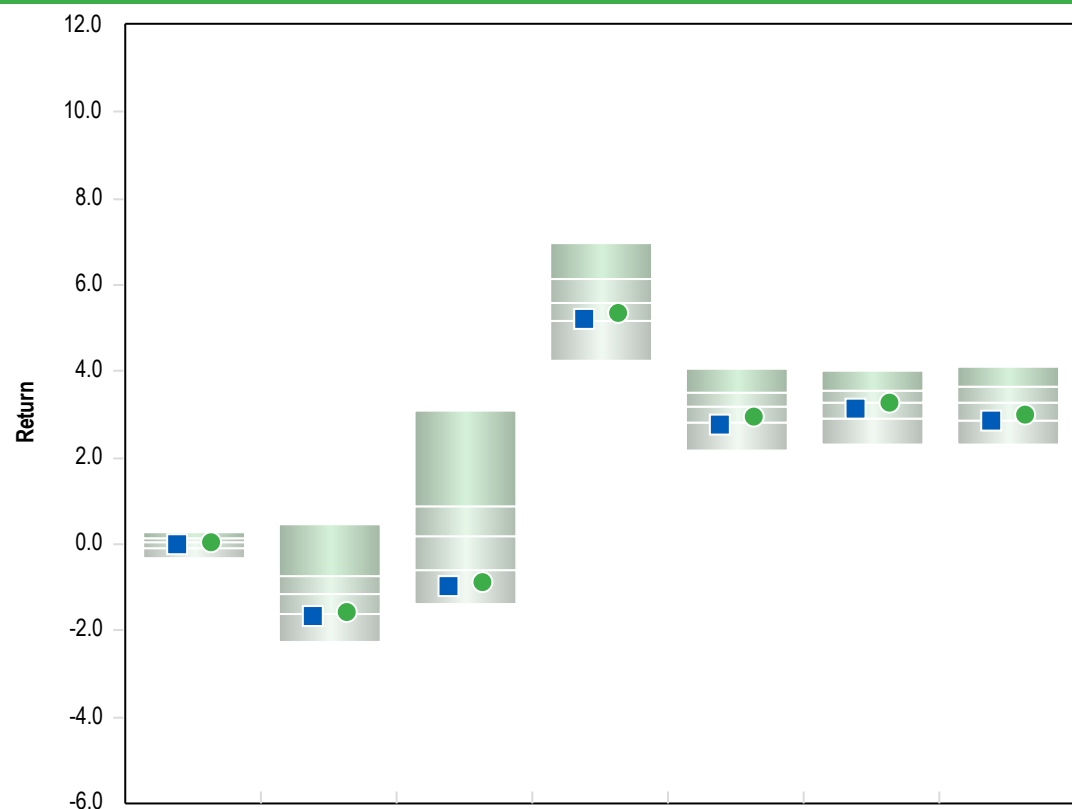
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Broad Market Core Fixed Income (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Bond Index-Inst	0.0 (53)	-1.6 (77)	-1.0 (87)	5.2 (72)	2.8 (77)	3.1 (63)	2.9 (76)
Blmbg. U.S. Aggregate	0.1 (44)	-1.6 (71)	-0.9 (83)	5.4 (63)	2.9 (66)	3.3 (52)	3.0 (66)

5th Percentile	0.3	0.5	3.1	6.9	4.1	4.0	4.1
1st Quartile	0.1	-0.7	0.9	6.2	3.5	3.6	3.6
Median	0.0	-1.2	0.2	5.6	3.2	3.3	3.3
3rd Quartile	-0.1	-1.6	-0.6	5.2	2.8	2.9	2.9
95th Percentile	-0.3	-2.3	-1.4	4.2	2.2	2.3	2.3

Population	502	496	490	465	411	351	305
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.6	2.6
Minimum Return	-1.5	-1.4
Return	5.2	5.4
Cumulative Return	16.5	16.9
Active Return	-0.1	0.0
Excess Return	4.0	4.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	104.6	100.0

Risk / Return Summary Statistics

Standard Deviation	3.6	3.5
Alpha	-0.2	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.3	0.0
Information Ratio	-0.4	-
Sharpe Ratio	1.1	1.2

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

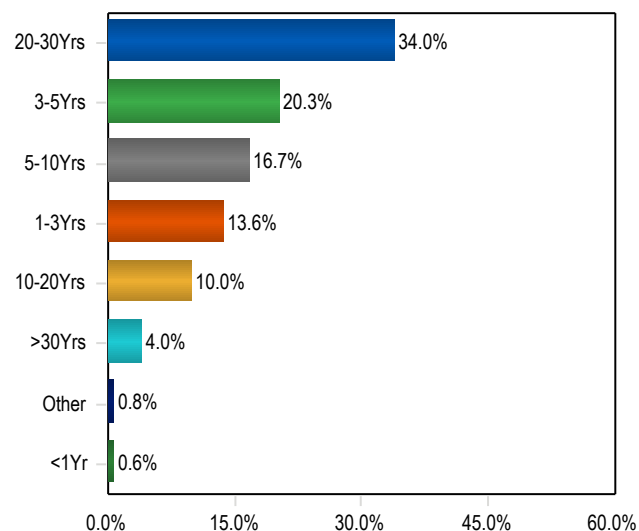
Fund Information

Product Name : TIAA-CREF:Bond Indx;Inst (TBIIIX)
 Fund Family : TIAA-CREF
 Ticker : TBIIIX
 Peer Group : IM U.S. Broad Market Core Fixed Income (MF)
 Benchmark : Blmbg. U.S. Aggregate
 Fund Inception : 09/14/2009
 Portfolio Manager : Chen/Tsang
 Total Assets : \$9,875 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 32%

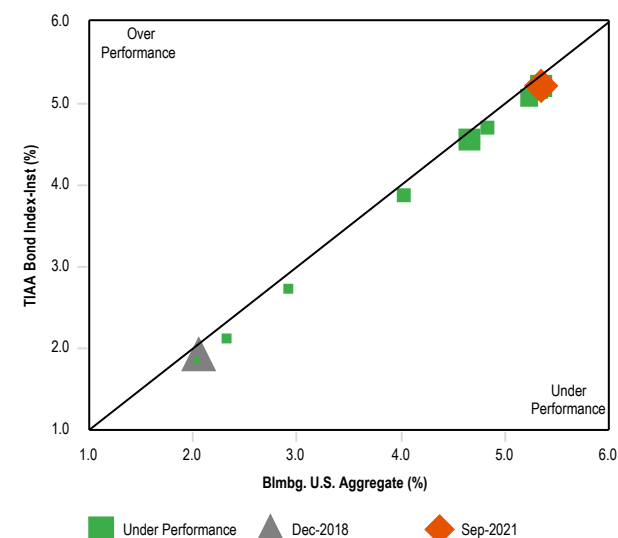
Fund Characteristics As of 03/31/2021

Avg. Coupon : 2.67 %
 Nominal Maturity : 8.20 Years
 Effective Maturity :
 Duration : 6.41 Years
 SEC 30 Day Yield : 2.8
 Avg. Credit Quality : AAA

Maturity Distribution As of 03/31/2021



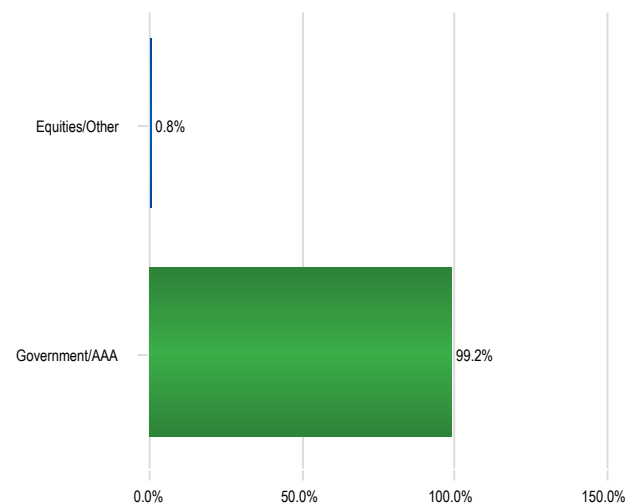
3 Year Rolling Under/Over Performance



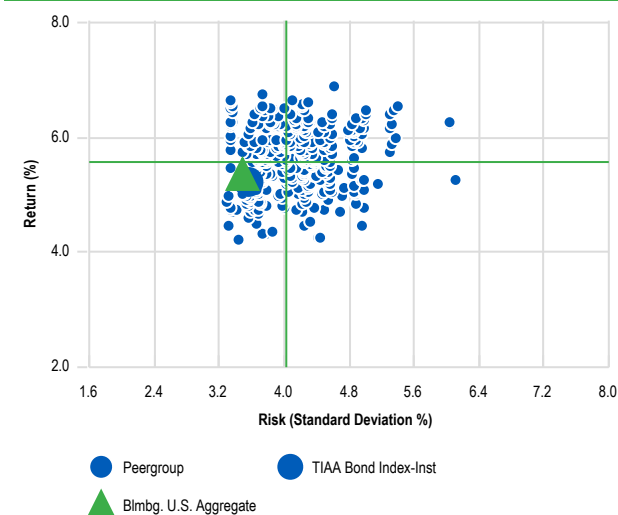
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.3	3.3
Beta	1.0	1.0
Sharpe Ratio	0.5	0.6
Information Ratio	-0.6	-
Tracking Error	0.3	0.0
Consistency	38.3	0.0
Up Market Capture	97.9	100.0
Down Market Capture	101.3	100.0
R-Squared	1.0	1.0

Quality Allocation As of 03/31/2021



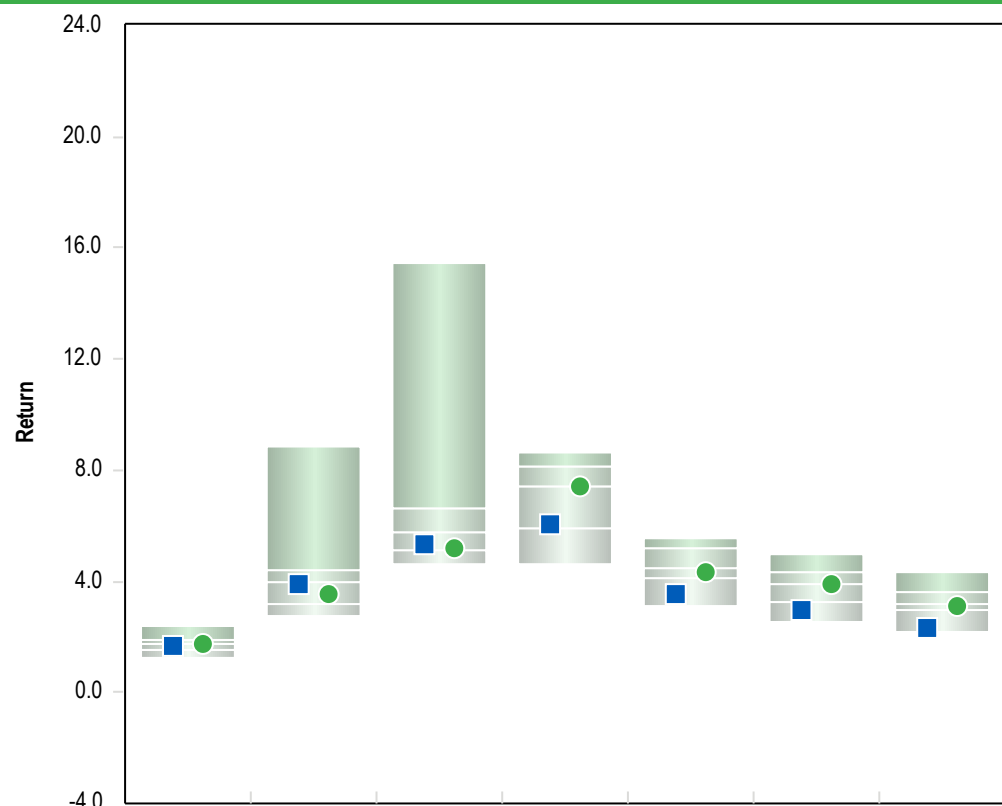
Peer Group Scattergram - 36 Months



Fund Objective

The Fund seeks a favorable long term total return. The Fund invests at least 80% of its assets bonds within its benchmark and portfolio tracking index, the Barclay's Capital U.S. Aggregate Bond Index.

IM U.S. TIPS (MF)



■ CREF Inflation-Linked Bond R3

● Blmbg. U.S. TIPS

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
CREF Inflation-Linked Bond R3	1.7 (64)	3.9 (58)	5.4 (66)	6.1 (74)	3.6 (88)	3.0 (84)	2.3 (92)
Blmbg. U.S. TIPS	1.8 (46)	3.5 (64)	5.2 (72)	7.4 (39)	4.3 (71)	3.9 (48)	3.1 (63)

5th Percentile	2.4	8.8	15.5	8.6	5.5	5.0	4.3
1st Quartile	1.9	4.4	6.6	8.1	5.2	4.3	3.6
Median	1.7	4.0	5.8	7.4	4.5	3.9	3.2
3rd Quartile	1.5	3.1	5.1	5.9	4.1	3.3	3.0
95th Percentile	1.2	2.7	4.6	4.6	3.1	2.5	2.2

Population	210	209	205	200	174	144	118
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.2	2.8
Minimum Return	-1.5	-1.8
Return	6.1	7.4
Cumulative Return	19.4	24.0
Active Return	-1.3	0.0
Excess Return	4.8	6.1

Risk Summary Statistics

Beta	0.7	1.0
Up Market Capture	75.9	100.0
Down Market Capture	60.2	100.0

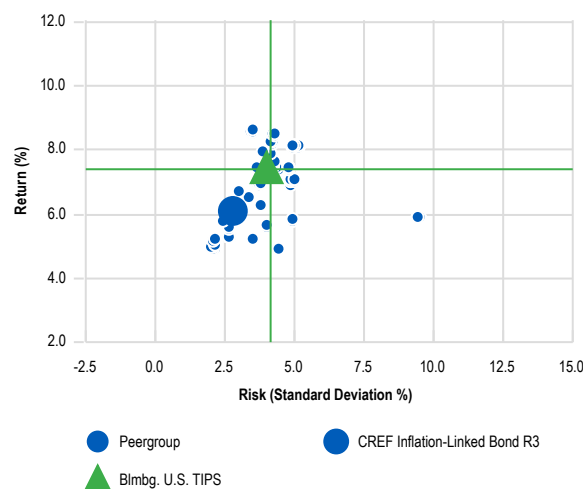
Risk / Return Summary Statistics

Standard Deviation	2.8	4.0
Alpha	1.1	0.0
Active Return/Risk	-0.5	0.0
Tracking Error	1.6	0.0
Information Ratio	-0.9	-
Sharpe Ratio	1.7	1.5

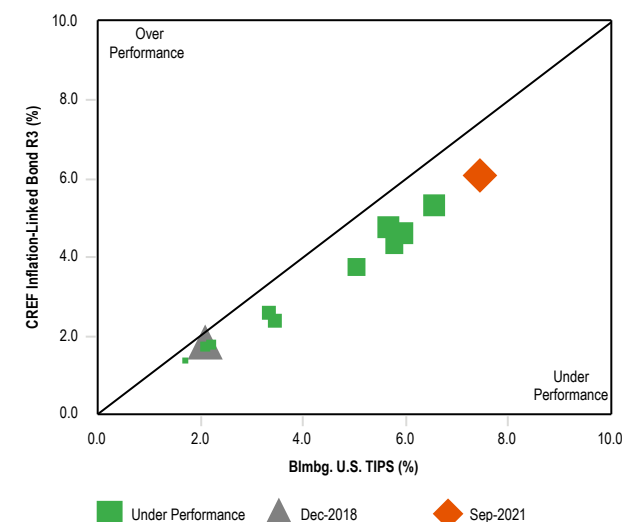
Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	1.0	1.0

Peer Group Scattergram - 36 Months



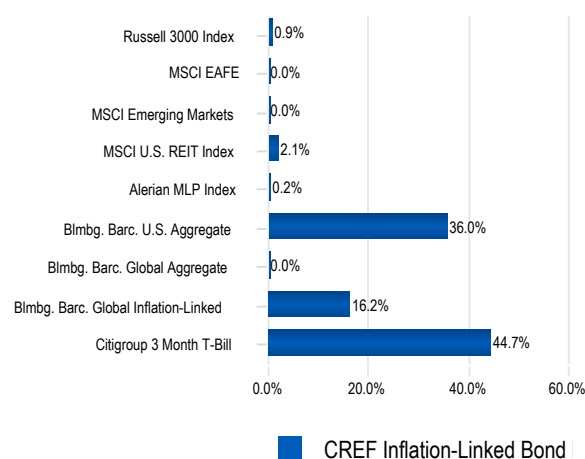
3 Year Rolling Under/Over Performance



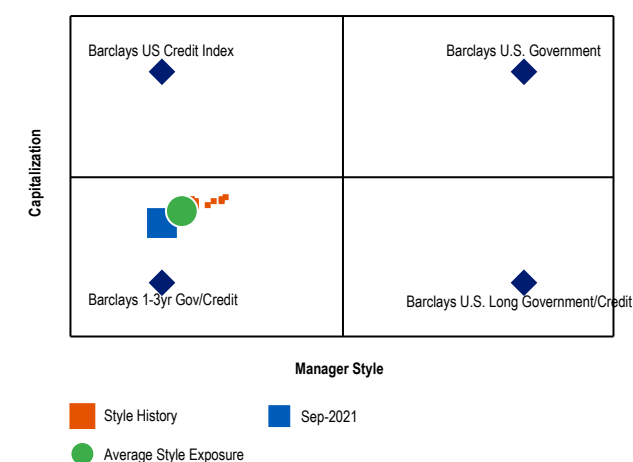
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	2.6	3.7
Beta	0.7	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	-0.6	-
Tracking Error	1.3	0.0
Consistency	45.0	0.0
Up Market Capture	74.9	100.0
Down Market Capture	65.3	100.0
R-Squared	0.9	1.0

Investment Style Exposure (Returns based) - 36 Months



Style Map - 36 Months



IM U.S. Taxable Money Market (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
TIAA Money Market-Inst	0.0 (88)	0.0 (89)	0.0 (51)	1.0 (16)	1.0 (19)	0.8 (17)	0.5 (17)
FTSE 3 Month T-Bill	0.0 (8)	0.0 (7)	0.1 (6)	1.1 (5)	1.1 (10)	0.8 (11)	0.6 (10)

5th Percentile	0.0	0.0	0.1	1.1	1.2	0.9	0.7
1st Quartile	0.0	0.0	0.0	1.0	1.0	0.7	0.5
Median	0.0	0.0	0.0	0.9	0.9	0.6	0.4
3rd Quartile	0.0	0.0	0.0	0.8	0.7	0.5	0.4
95th Percentile	0.0	0.0	0.0	0.6	0.5	0.3	0.2

Population	786	775	763	713	670	563	540
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	0.2	0.2
Minimum Return	0.0	0.0
Return	1.0	1.1
Cumulative Return	3.1	3.5
Active Return	-0.1	0.0
Excess Return	-0.2	0.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	89.5	100.0
Down Market Capture	-	-

Risk / Return Summary Statistics

Standard Deviation	0.3	0.3
Alpha	-0.1	0.0
Active Return/Risk	-0.4	0.0
Tracking Error	0.0	0.0
Information Ratio	-4.1	-
Sharpe Ratio	-1.3	-0.3

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

Fund Information

Product Name : TIAA-CREF:Money Mkt;Inst (TCIXX)
 Fund Family : TIAA-CREF
 Ticker : TCIXX
 Peer Group : IM U.S. Taxable Money Market (MF)
 Benchmark : FTSE 3 Month T-Bill
 Fund Inception : 07/01/1999
 Portfolio Manager : Kemper/Hurst
 Total Assets : \$786 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : -

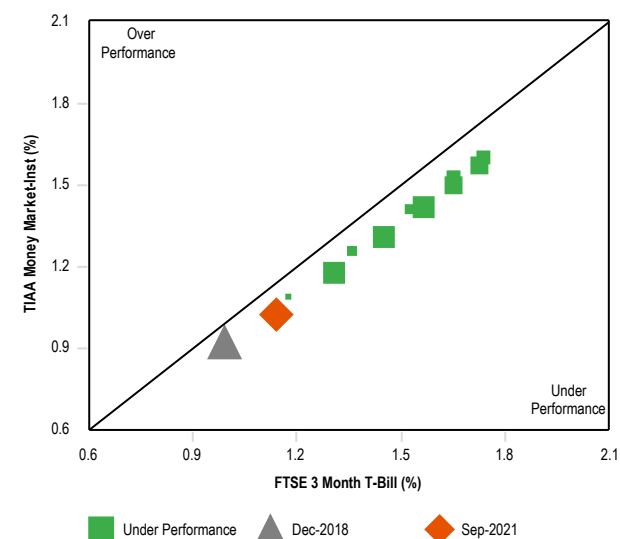
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	0.2	0.3
Beta	1.0	1.0
Sharpe Ratio	-1.4	-0.3
Information Ratio	-4.6	-
Tracking Error	0.0	0.0
Consistency	1.7	0.0
Up Market Capture	90.1	100.0
Down Market Capture	-	-
R-Squared	1.0	1.0

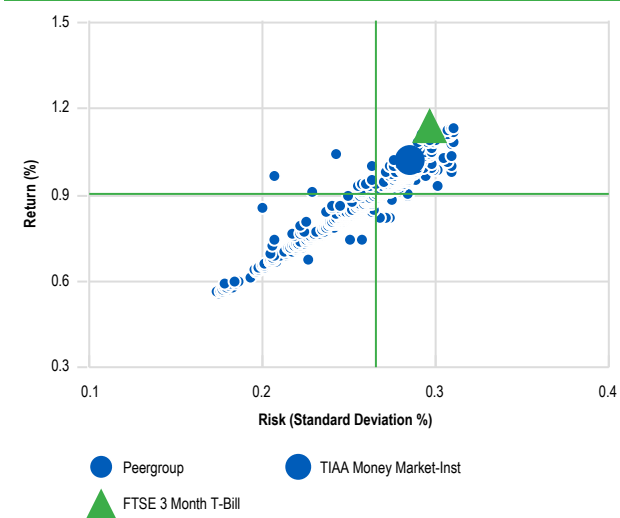
Fund Objective

The Fund seeks high current income consistent with maintaining liquidity and preserving capital. The Fund invests its assets in high-quality short-term money market instruments and also seeks to maintain a stable net asset value of \$1.00 per share.

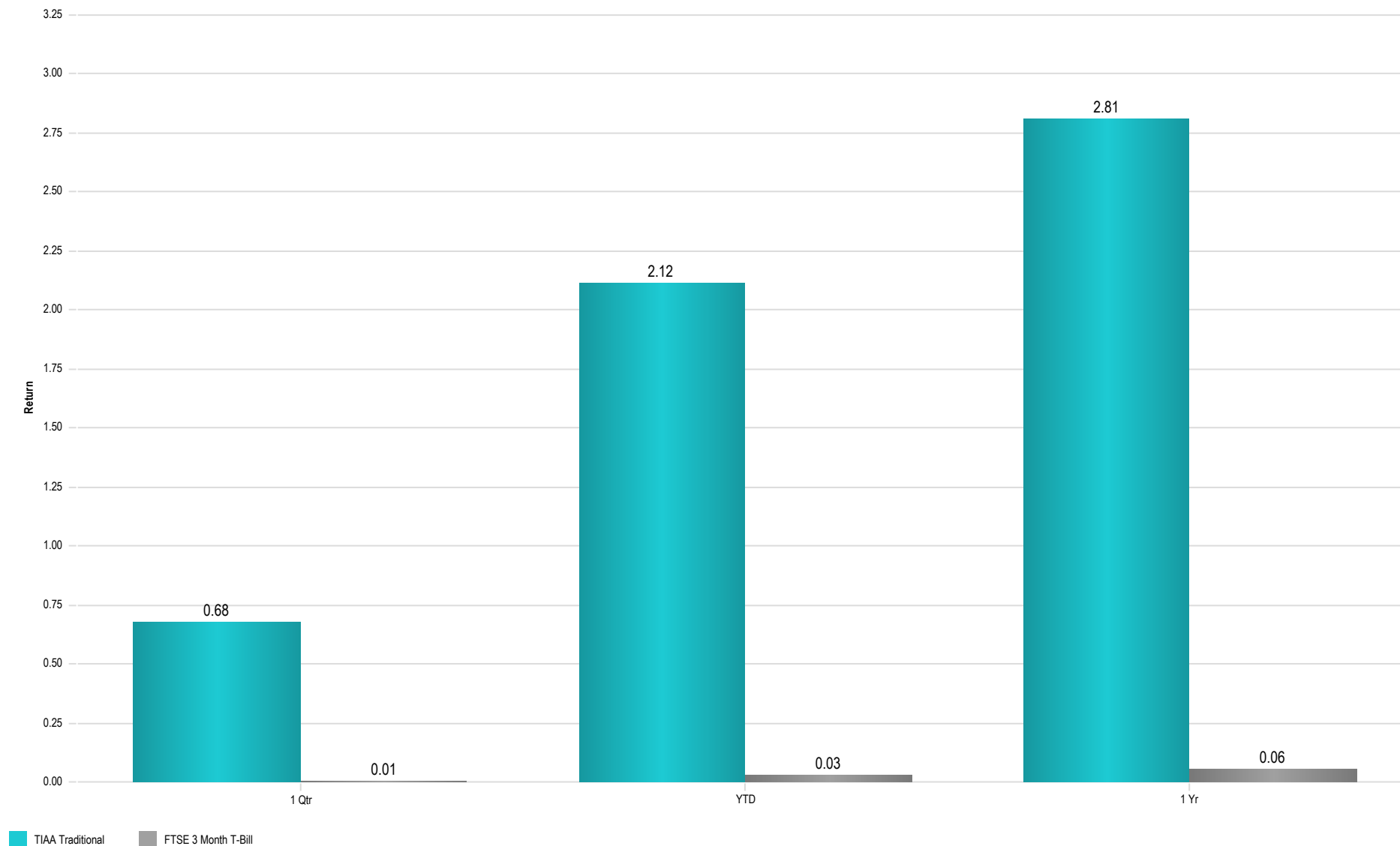
3 Year Rolling Under/Over Performance

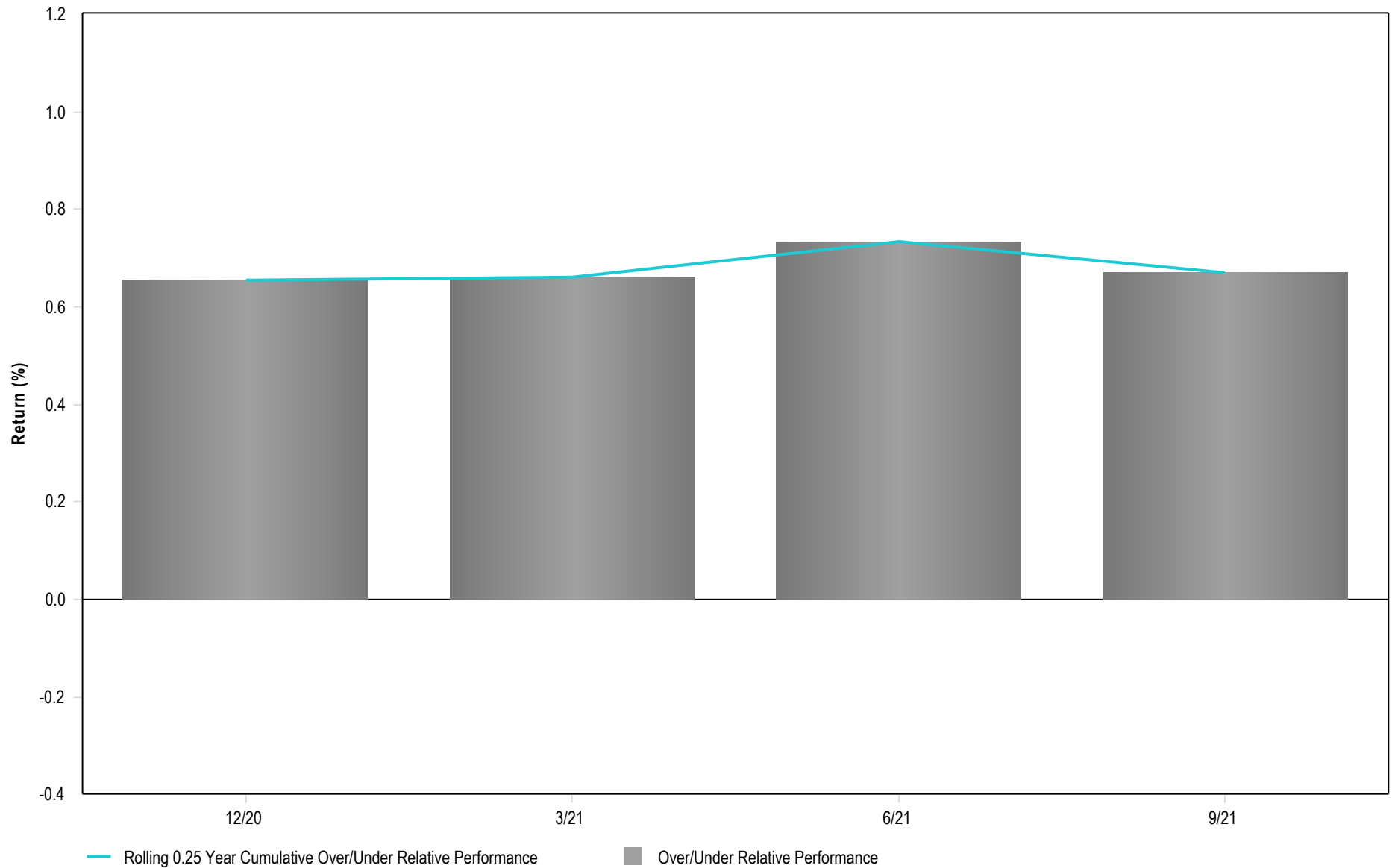


Peer Group Scattergram - 36 Months



Comparative Performance

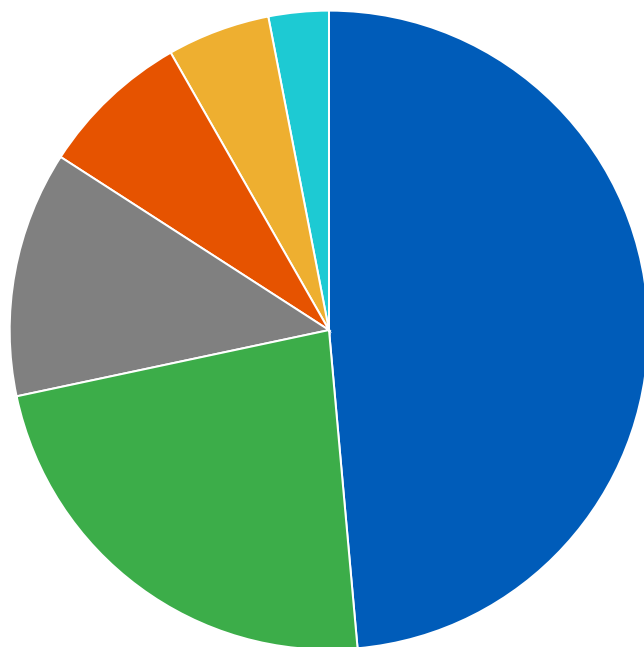




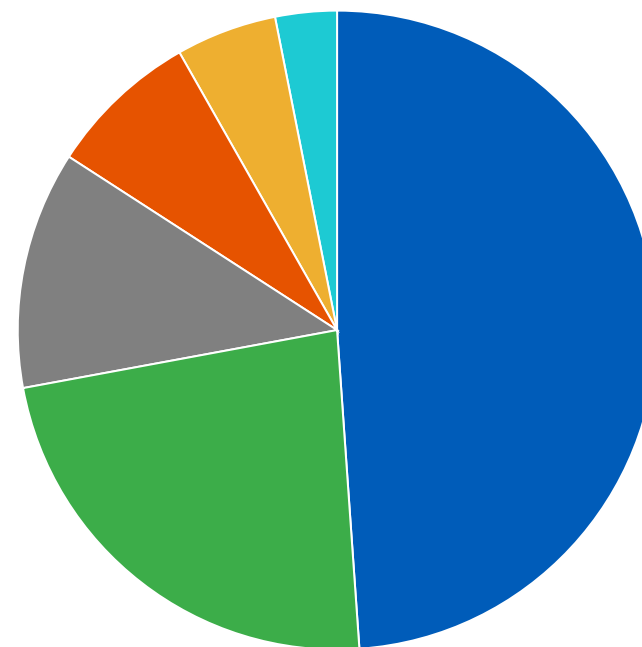
Voya

June 30, 2021 : \$463,469,360

September 30, 2021 : \$461,452,154

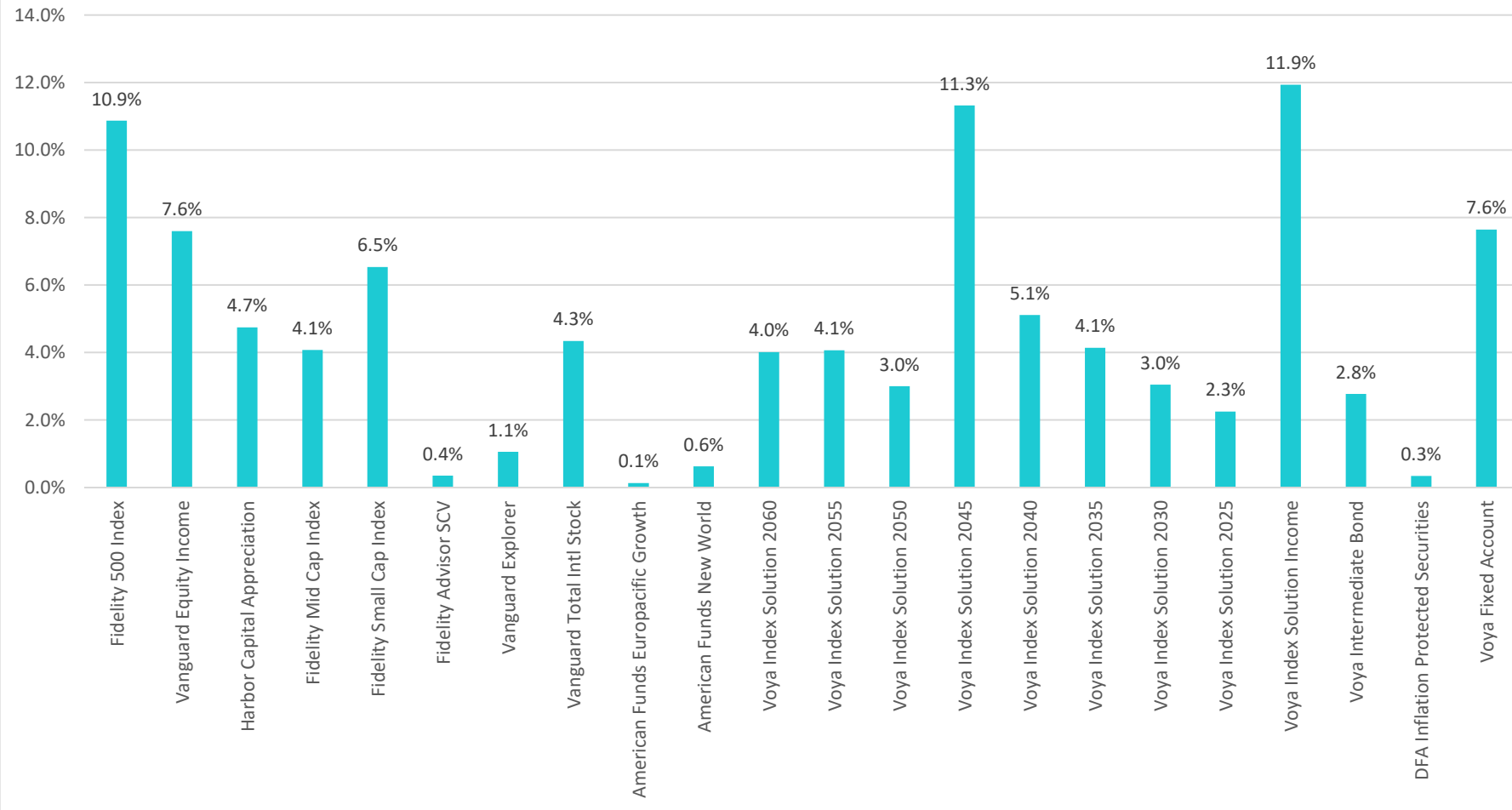


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	225,137,611	48.6
Domestic Equity : Large Cap Funds	107,065,636	23.1
Domestic Equity : Non-Large Cap Funds	57,660,583	12.4
Fixed Account/Stable Value	35,345,462	7.6
International Equity Funds	24,136,534	5.2
Fixed Income Funds	14,123,535	3.0

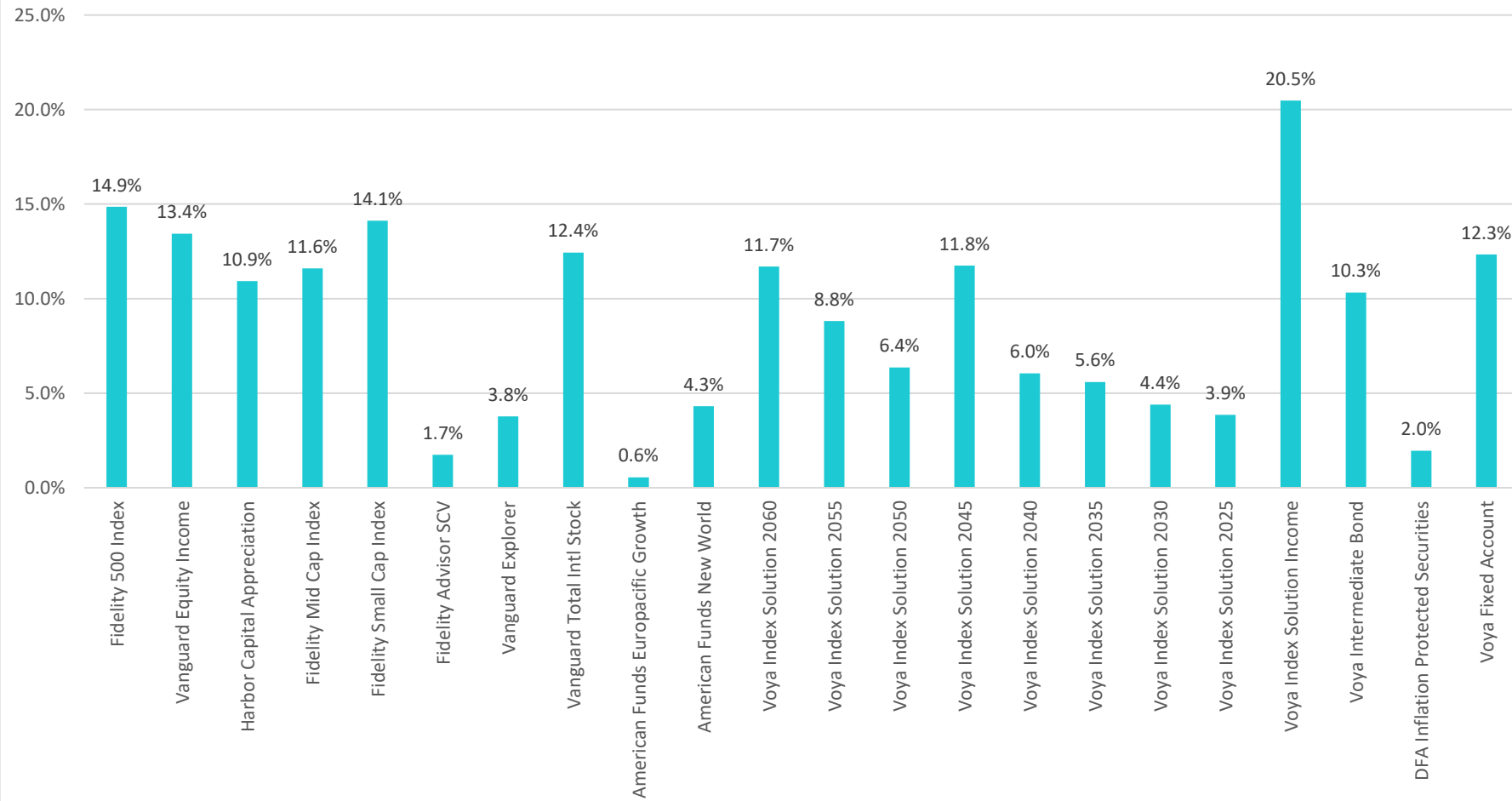


	Market Value (\$)	Allocation (%)
Target-Date Retirement Funds	225,609,985	48.9
Domestic Equity : Large Cap Funds	107,082,040	23.2
Domestic Equity : Non-Large Cap Funds	55,532,077	12.0
Fixed Account/Stable Value	35,274,608	7.6
International Equity Funds	23,546,783	5.1
Fixed Income Funds	14,406,661	3.1

Voya Dollar Weighed Asset Allocation



Voya Participant Weighed Asset Allocation



Fund Monitor

September 30, 2021

Fund	Performance				Risk	Comment/Status
	3 Year vs Index	3 Year vs Peers	5 Year vs Index	5 Year vs Peers	Standard Deviation	
Fidelity 500 Index	Pass	N/A	Pass	N/A	Pass	
Vanguard Equity Income	Pass	Pass	Pass	Pass	Pass	
Harbor Capital Appreciation	Pass	Pass	Pass	Pass	Pass	
Fidelity Mid Cap Index	Pass	N/A	Pass	N/A	Pass	
Fidelity Small Cap Index	Pass	N/A	Pass	N/A	Pass	
Fidelity Advisor SCV	N/A	N/A	N/A	N/A	Pass	
Vanguard Explorer	Pass	Pass	Pass	Pass	Pass	
Vanguard Total Intl Stock	Pass	N/A	Pass	N/A	Pass	
American Funds Europacific Growth	Pass	Pass	Pass	Pass	Pass	
American Funds New World	Pass	Pass	Pass	Pass	Pass	
Voya Index Solution 2060	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2055	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2050	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2045	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2040	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2035	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2030	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2025	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution 2020	Pass	N/A	Pass	N/A	Pass	
Voya Index Solution Income	Pass	N/A	Pass	N/A	Pass	
Voya Intermediate Bond	Pass	Pass	Pass	Pass	Pass	
DFA Inflation Protected Securities	Pass	Pass	Pass	Pass	Pass	
Voya Fixed Account	Pass	Fail	Pass	Pass	Pass	

Index funds must return within 30 basis points of their respective benchmarks

Actively managed funds must outperform respective benchmarks

Actively managed funds must rank in the top half of their respective peer universes

Total Fund Allocation and Performance

As of September 30, 2021

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund Composite - Voya	461,452,154	100.0							
Domestic Equity : Large Cap Funds	107,082,040	23.2							
Fidelity 500 Index	50,147,859	10.9	0.6 (29)	15.9 (33)	30.0 (41)	16.0 (47)	16.9 (45)	14.0 (41)	16.6 (39)
S&P 500			0.6	15.9	30.0	16.0	16.9	14.0	16.6
IM U.S. Large Cap Equity (MF) Median			0.0	14.8	28.7	15.4	16.2	13.1	15.7
Vanguard Equity Income	35,040,302	7.6	-0.2 (34)	15.6 (62)	30.8 (79)	10.6 (30)	11.8 (33)	10.5 (12)	13.7 (21)
Russell 1000 Value Index			-0.8	16.1	35.0	10.1	10.9	9.3	13.5
IM U.S. Large Cap Value Equity (MF) Median			-0.7	16.9	35.6	9.7	11.3	9.0	12.9
Harbor Capital Appreciation	21,893,879	4.7	0.4 (55)	10.1 (86)	24.0 (70)	23.7 (13)	24.6 (8)	19.5 (10)	20.2 (11)
Russell 1000 Growth Index			1.2	14.3	27.3	22.0	22.8	18.5	19.7
IM U.S. Large Cap Growth Equity (MF) Median			0.5	13.0	26.0	20.6	21.2	17.1	18.5
Domestic Equity : Non-Large Cap Funds	55,532,077	12.0							
Fidelity Mid Cap Index	18,826,177	4.1	-0.9 (60)	15.2 (44)	38.1 (45)	14.2 (44)	14.4 (48)	12.1 (50)	15.5 (43)
Russell Midcap Index			-0.9	15.2	38.1	14.2	14.4	12.2	15.5
IM U.S. Mid Cap Equity (MF) Median			-0.4	13.9	36.5	12.7	13.9	12.1	14.9
Fidelity Small Cap Index	30,170,191	6.5	-4.4 (90)	12.4 (82)	47.5 (66)	10.6 (28)	13.6 (22)	12.1 (17)	14.8 (20)
Russell 2000 Index			-4.4	12.4	47.7	10.5	13.5	11.9	14.6
IM U.S. Small Cap Core Equity (MF) Median			-2.3	17.3	49.9	9.1	11.8	10.4	13.5
Fidelity Advisor SCV	1,638,615	0.4	1.5 (2)	30.9 (18)	74.4 (20)				
Russell 2000 Value Index			-3.0	22.9	63.9	8.6	11.0	10.2	13.2
IM U.S. Small Cap Value Equity (MF) Median			-2.1	23.6	63.5	8.2	10.0	8.7	12.6
Vanguard Explorer	4,897,094	1.1	-0.9 (23)	12.1 (25)	42.0 (29)	16.0 (41)	19.0 (39)	15.1 (37)	17.3 (30)
Russell 2000 Growth Index			-5.7	2.8	33.3	11.7	15.3	13.2	15.7
IM U.S. Small Cap Growth Equity (MF) Median			-2.3	8.2	36.9	14.2	17.7	14.4	16.2

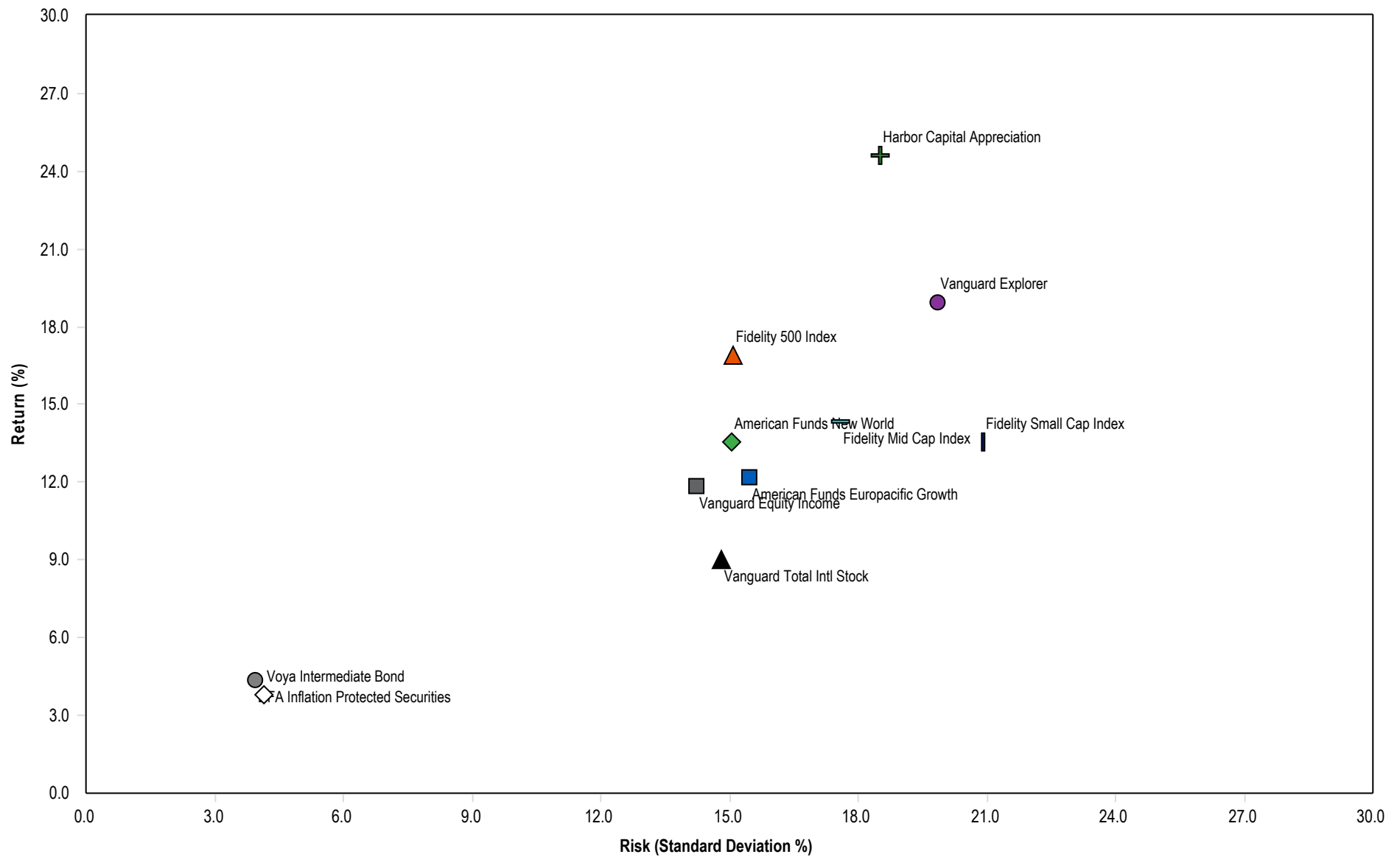
Total Fund Allocation and Performance

As of September 30, 2021

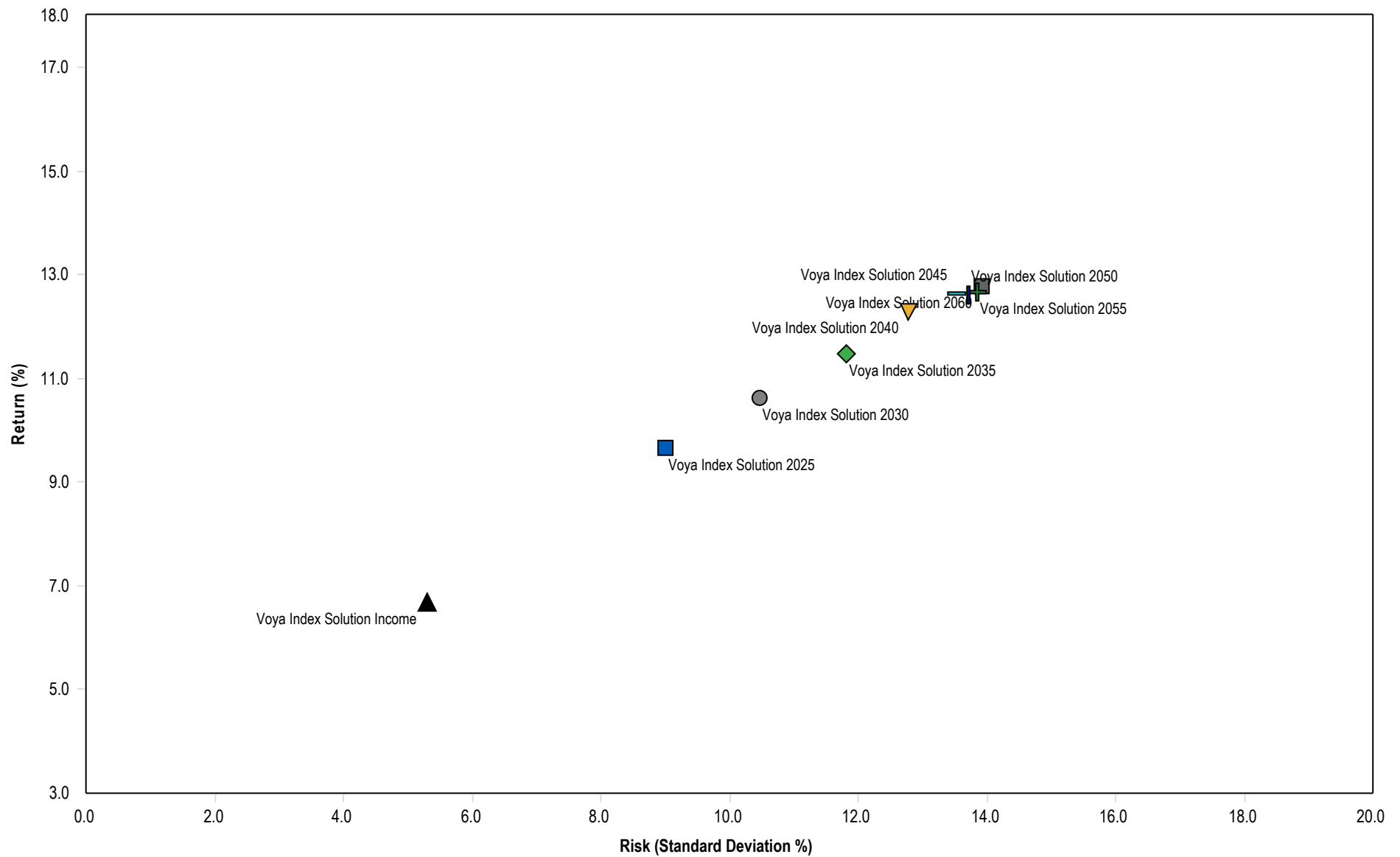
	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
International Equity Funds	23,546,783	5.1							
Vanguard Total Intl Stock	20,042,535	4.3	-3.0 (57)	6.4 (48)	24.4 (45)	8.3 (54)	9.0 (48)	6.0 (50)	7.9 (54)
Vanguard Spliced Total Int'l Stock Index (Net)			-2.5	6.9	25.4	8.5	9.3	6.2	7.9
IM International Equity (MF) Median			-2.5	6.1	23.2	8.6	8.9	6.0	8.1
American Funds Europacific Growth	599,386	0.1	-2.3 (56)	4.0 (67)	24.8 (18)	13.2 (19)	12.2 (21)	9.0 (17)	10.6 (10)
MSCI AC World ex USA (Net)			-3.0	5.9	23.9	8.0	8.9	5.7	7.5
IM International Large Cap Growth Equity (MF) Median			-1.7	5.5	20.6	11.5	10.8	7.5	9.1
American Funds New World	2,904,861	0.6	-4.8 (24)	4.9 (21)	25.3 (23)	15.7 (11)	13.5 (8)	9.4 (7)	10.1 (3)
MSCI Emerging Markets Index			-8.0	-1.0	18.6	9.0	9.6	6.0	6.5
IM Emerging Markets Equity (MF) Median			-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
Target-Date Retirement Funds	225,609,985	48.9							
Voya Index Solution 2060	18,522,605	4.0	-1.2 (47)	11.0 (41)	27.2 (58)	12.4 (38)	12.8 (42)		
S&P Target Date 2060 Index			-0.8	11.1	27.3	11.5	12.5	10.1	12.4
IM Mixed-Asset Target 2060+ (MF) Median			-1.2	10.8	27.6	12.1	12.7	10.4	
Voya Index Solution 2055	18,765,791	4.1	3.5 (1)	16.1 (1)	33.0 (1)	14.1 (1)	13.7 (3)	10.8 (9)	12.8 (16)
S&P Target Date 2055 Index			-0.8	11.3	27.5	11.5	12.3	10.0	12.3
IM Mixed-Asset Target 2055 (MF) Median			-1.2	10.7	27.3	12.0	12.4	9.9	12.1
Voya Index Solution 2050	13,859,073	3.0	-1.2 (48)	10.8 (44)	26.6 (54)	12.2 (40)	12.6 (41)	10.0 (44)	
S&P Target Date 2050+ Index			-0.8	11.1	27.1	11.4	12.2	9.9	12.2
IM Mixed-Asset Target 2050 (MF) Median			-1.2	10.6	26.8	12.0	12.3	9.8	12.0
Voya Index Solution 2045	52,219,115	11.3	-1.2 (58)	10.7 (39)	26.5 (44)	12.3 (35)	12.6 (31)	10.0 (40)	12.3 (25)
S&P Target Date 2045 Index			-0.8	10.8	26.4	11.3	11.9	9.7	11.9
IM Mixed-Asset Target 2045 (MF) Median			-1.1	10.4	25.9	11.9	12.1	9.6	11.7

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Voya Index Solution 2040	23,603,219	5.1	-1.0 (50)	10.1 (32)	25.0 (36)	12.1 (29)	12.3 (27)	9.8 (36)	
S&P Target Date 2040 Index			-0.7	10.2	25.0	11.0	11.5	9.5	11.5
IM Mixed-Asset Target 2040 (MF) Median			-1.0	9.7	24.1	11.4	11.6	9.3	11.4
Voya Index Solution 2035	19,095,749	4.1	-0.9 (51)	8.7 (47)	22.0 (43)	11.2 (38)	11.5 (33)	9.2 (37)	11.4 (33)
S&P Target Date 2035 Index			-0.6	9.2	22.6	10.4	10.9	9.0	11.0
IM Mixed-Asset Target 2035 (MF) Median			-0.9	8.6	21.7	10.8	10.9	8.8	10.8
Voya Index Solution 2030	14,072,713	3.0	-0.6 (35)	7.6 (35)	19.5 (28)	10.6 (28)	10.6 (24)	8.7 (24)	
S&P Target Date 2030 Index			-0.5	7.8	19.2	9.6	9.9	8.3	10.2
IM Mixed-Asset Target 2030 (MF) Median			-0.7	7.3	18.1	10.0	10.0	8.1	10.1
Voya Index Solution 2025	10,386,985	2.3	-0.5 (45)	6.6 (25)	16.4 (34)	10.0 (23)	9.7 (22)	7.9 (25)	9.7 (38)
S&P Target Date 2025 Index			-0.3	6.6	16.2	9.0	9.0	7.6	9.4
IM Mixed-Asset Target 2025 (MF) Median			-0.6	6.0	15.2	9.2	8.9	7.3	9.2
Voya Index Solution Income	55,084,735	11.9	-0.2 (6)	3.6 (75)	9.6 (82)	8.0 (38)	6.7 (54)	5.8 (46)	6.6 (66)
S&P Target Date Retirement Income Index			0.0	3.1	8.1	6.9	5.9	5.2	5.8
IM Retirement Income (MF) Median			-0.5	4.7	11.6	7.8	7.0	5.7	7.4
Fixed Income Funds	14,406,661	3.1							
Voya Intermediate Bond	12,810,444	2.8	0.2 (16)	-0.9 (32)	0.9 (24)	6.1 (28)	3.8 (13)	4.0 (6)	
Blmbg. U.S. Aggregate			0.1	-1.6	-0.9	5.4	2.9	3.3	3.0
IM U.S. Broad Market Core Fixed Income (MF) Median			0.0	-1.2	0.2	5.6	3.2	3.3	3.3
DFA Inflation Protected Securities	1,596,217	0.3	2.0 (6)	3.5 (49)	5.2 (56)	7.8 (9)	4.4 (21)	4.0 (6)	3.2 (8)
Blmbg. U.S. TIPS			1.8	3.5	5.2	7.4	4.3	3.9	3.1
IM U.S. TIPS (MF) Median			1.6	3.5	5.4	6.6	3.8	3.1	2.5

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Fixed Account/Stable Value	35,274,608	7.6							
<i>FTSE 3 Month T-Bill</i>			0.0	0.0	0.1	1.1	1.1	0.8	0.6
Voya Fixed Account	35,274,608	7.6	0.4 (2)	1.3 (2)	1.8 (5)	2.0 (70)	2.1 (4)	2.3 (3)	2.5 (1)
<i>FTSE 3 Month T-Bill</i>			0.0	0.0	0.1	1.1	1.1	0.8	0.6
IM U.S. Short Term Treasury/Govt Bonds (MF) Median			0.0	-0.3	-0.2	2.4	1.4	1.3	1.0



Calculation based on monthly periodicity.



Calculation based on monthly periodicity.

State ORP (Voya)

Fund Line-Up Statistics

September 30, 2021

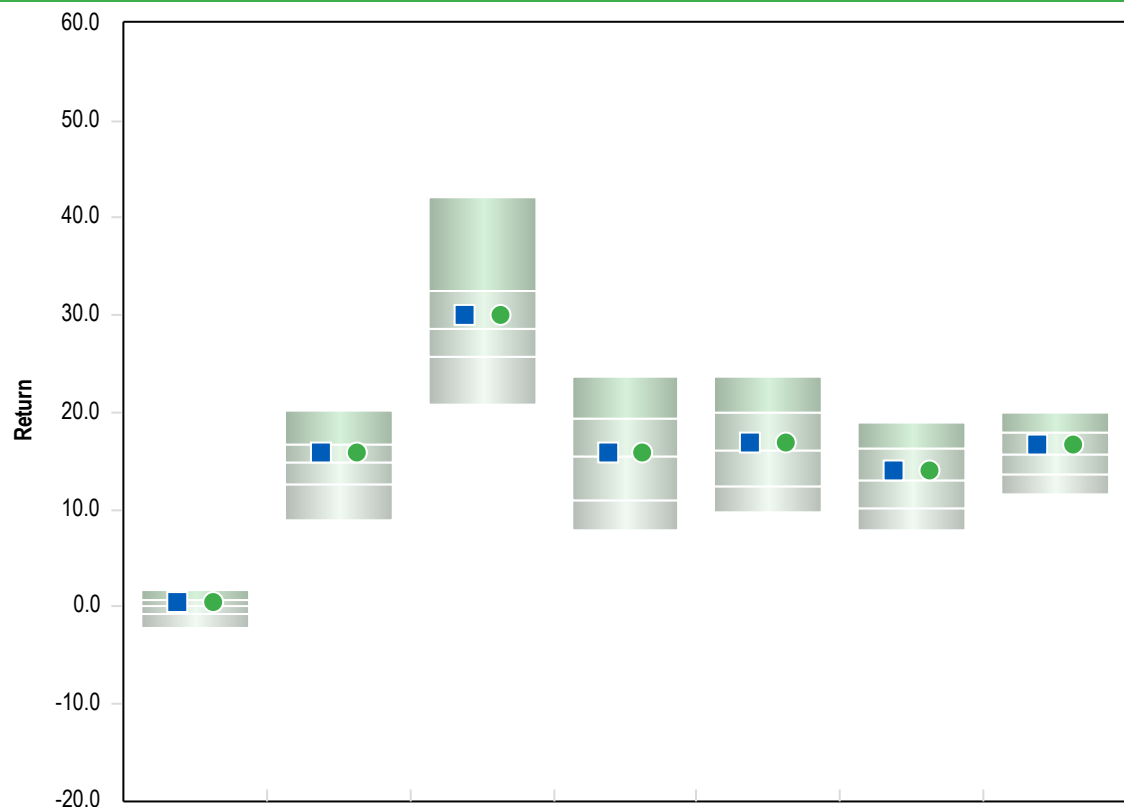
Fund	Ticker	Net Expense Ratio (%)	5-Year Standard Deviation (%)	Return (%) 1 Year	Return (%) 3 Years	Return (%) 5 Years
Domestic Equity						
Fidelity 500 Index	FXAIX	0.02	15.1	30.0	16.0	16.9
Vanguard Equity Income	VEIRX	0.19	14.2	30.8	10.6	11.8
Harbor Capital Appreciation	HACAX	0.67	18.5	24.0	23.7	24.6
Fidelity Mid Cap Index	FSMDX	0.03	17.6	38.1	14.2	14.4
Fidelity Small Cap Index	FSSNX	0.03	20.9	47.5	10.6	13.6
Fidelity Advisor SCV	FIKNX	0.81	N/A	74.4		
Vanguard Explorer	VEXRX	0.30	19.8	42.0	16.0	19.0
International Equity						
Vanguard Total Intl Stock	VTIAX	0.11	14.8	24.4	8.3	9.0
American Funds Europacific Growth	RERGX	0.46	15.5	24.8	13.2	12.2
American Funds New World	RNWXG	0.59	15.1	25.3	15.7	13.5
Target Date						
Voya Index Solution 2060	VSZIX	0.15	13.9	27.2	12.4	12.8
Voya Index Solution 2055	VSZHX	0.15	14.0	33.0	14.1	13.7
Voya Index Solution 2050	VSZGX	0.15	13.7	26.6	12.2	12.6
Voya Index Solution 2045	VSZFX	0.16	13.5	26.5	12.3	12.6
Voya Index Solution 2040	VSZEX	0.16	12.8	25.0	12.1	12.3
Voya Index Solution 2035	VSZDX	0.16	11.8	22.0	11.2	11.5
Voya Index Solution 2030	VSZCX	0.16	10.5	19.5	10.6	10.6
Voya Index Solution 2025	VSZBX	0.16	9.0	16.4	10.0	9.7
Voya Index Solution Income	VSZJX	0.16	5.3	9.6	8.0	6.7
Fixed Income						
Voya Intermediate Bond	IIBZX	0.30	4.2	0.9	6.1	3.8
DFA Inflation Protected Securities	DIPSX	0.11	3.9	5.2	7.8	4.4
MMF/Stable Value						
Voya Fixed Account	N/A	0.00	0.9	1.8	2.0	2.1

Expense Ratio and Standard Deviation: Lower is better

Return: Higher is better

IM U.S. Large Cap Equity (MF)

Risk Return Statistics - 3 Years



Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	12.8	12.8
Minimum Return	-12.3	-12.4
Return	16.0	16.0
Cumulative Return	56.0	56.1
Active Return	0.0	0.0
Excess Return	15.5	15.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0

Risk / Return Summary Statistics

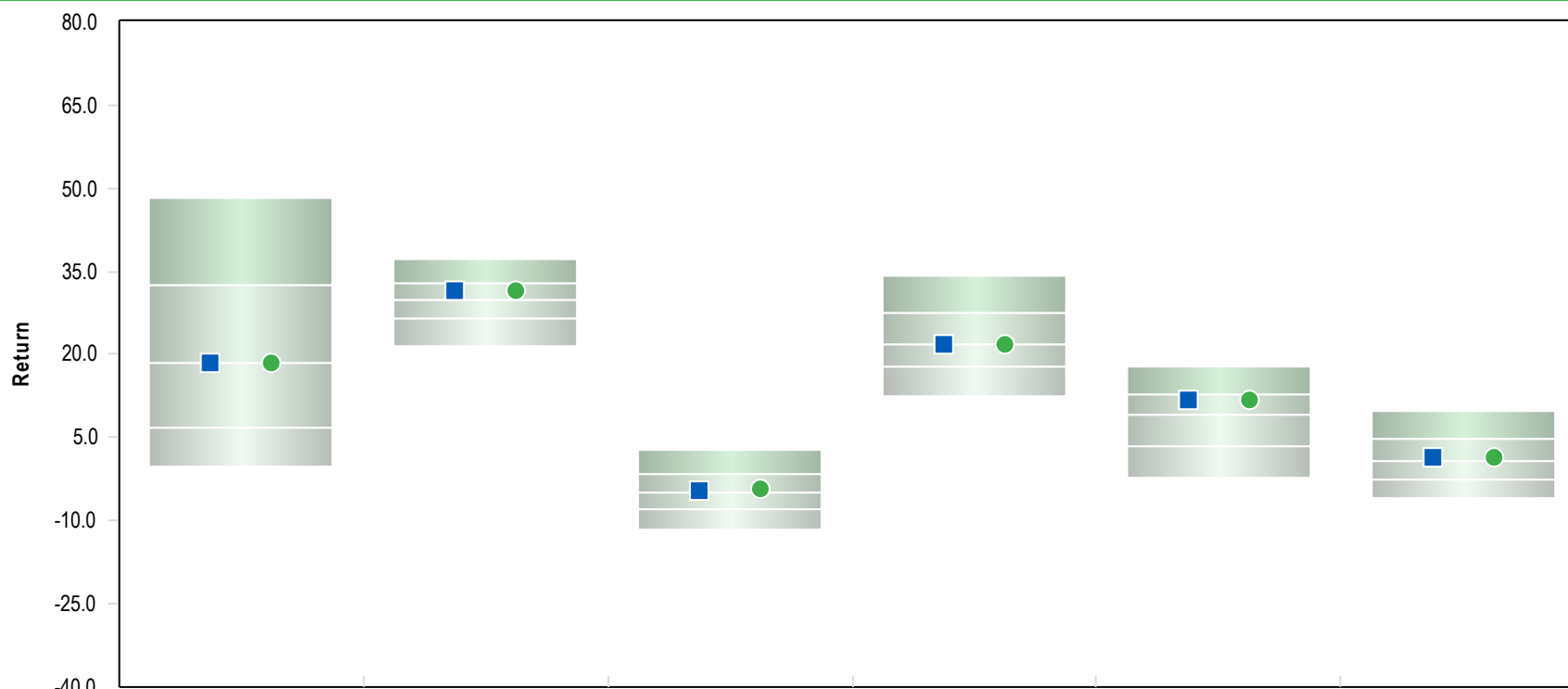
Standard Deviation	18.5	18.6
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.0	0.0
Information Ratio	-0.8	-
Sharpe Ratio	0.8	0.8

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Fidelity 500 Index	0.6 (29)	15.9 (33)	30.0 (41)	16.0 (47)	16.9 (45)	14.0 (41)	16.6 (39)
S&P 500	0.6 (29)	15.9 (33)	30.0 (40)	16.0 (47)	16.9 (45)	14.0 (41)	16.6 (39)
5th Percentile	1.8	20.2	42.3	23.6	23.8	19.1	20.1
1st Quartile	0.7	16.7	32.4	19.4	20.1	16.3	17.9
Median	0.0	14.8	28.7	15.4	16.2	13.1	15.7
3rd Quartile	-0.8	12.6	25.7	11.0	12.3	10.1	13.6
95th Percentile	-2.2	8.9	20.8	7.9	9.7	7.9	11.6
Population	1,943	1,904	1,874	1,706	1,521	1,357	1,179

IM U.S. Large Cap Equity (MF)



■ Fidelity 500 Index
● S&P 500

	2020	2019	2018	2017	2016	2015
	18.4 (50)	31.5 (38)	-4.4 (45)	21.8 (51)	12.0 (30)	1.4 (46)
	18.4 (50)	31.5 (38)	-4.4 (45)	21.8 (51)	12.0 (30)	1.4 (46)
5th Percentile	48.2	37.3	2.7	34.3	17.9	9.7
1st Quartile	32.7	33.0	-1.7	27.7	12.9	4.9
Median	18.3	30.0	-5.0	21.9	9.1	0.8
3rd Quartile	6.9	26.7	-7.9	17.8	3.6	-2.5
95th Percentile	-0.3	21.4	-11.5	12.5	-2.3	-6.0
Population	1,874	1,854	1,867	1,796	1,711	1,579

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

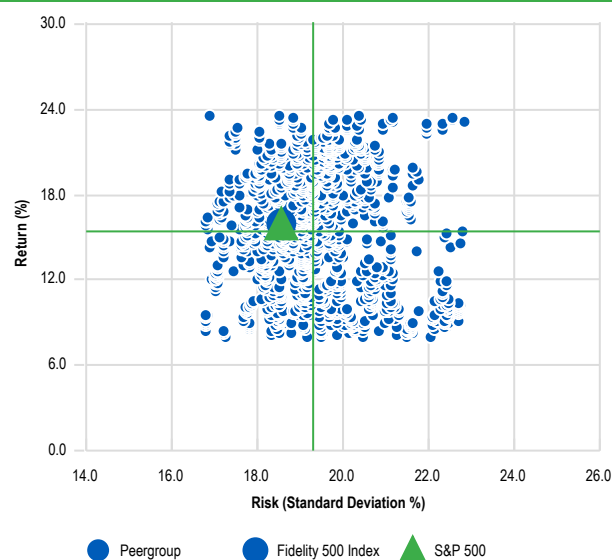
Fund Information

Product Name : Fidelity 500 Index Fund (FXAIX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FXAIX
 Peer Group : IM U.S. Large Cap Equity (MF)
 Benchmark : S&P 500
 Fund Inception : 05/04/2011
 Portfolio Manager : Team Managed
 Total Assets : \$333,288 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 7%

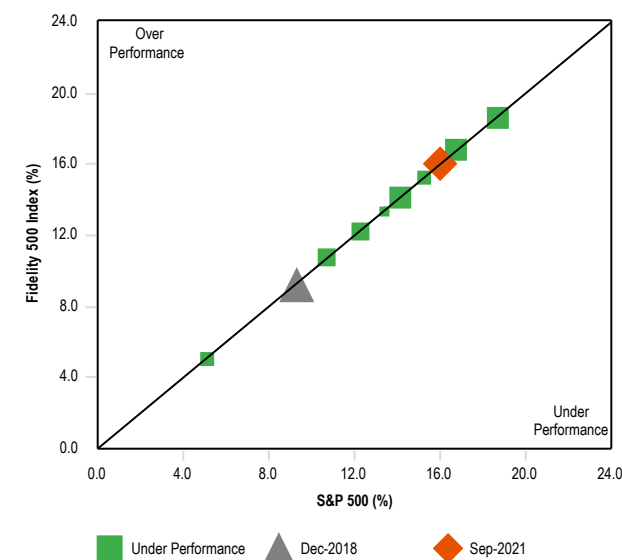
Fund Characteristics As of 04/30/2021

Total Securities 509
 Avg. Market Cap \$496,183 Million
 P/E 35.4
 P/B 10.4
 Div. Yield 1.8%
 Annual EPS 8.8
 5Yr EPS 16.8
 3Yr EPS Growth 15.8

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



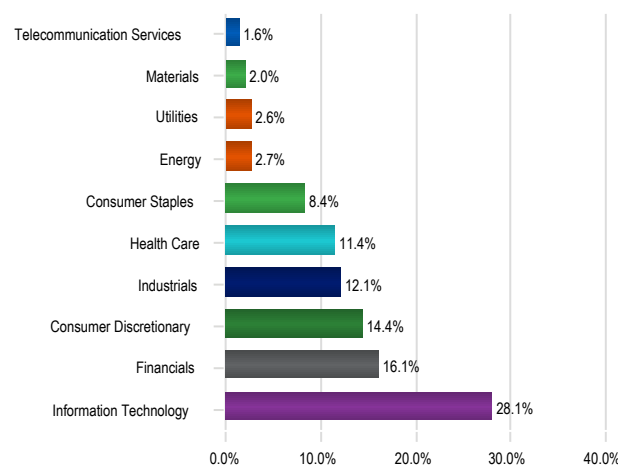
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.1	15.1
Beta	1.0	1.0
Sharpe Ratio	1.0	1.0
Information Ratio	-0.8	-
Tracking Error	0.0	0.0
Consistency	45.0	0.0
Up Market Capture	100.0	100.0
Down Market Capture	100.0	100.0
R-Squared	1.0	1.0

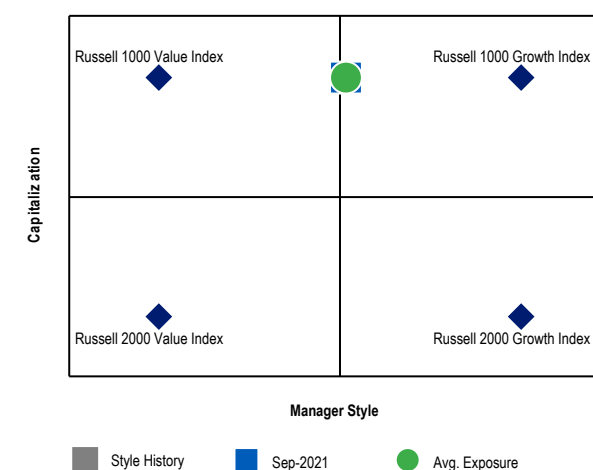
Fund Objective

The Fund seeks a total return which corresponds to that of the S&P 500 Index. The Fund invests at least 80% of its assets in common stocks included in the Index. The Fund may lend securities to earn income and uses statistical sampling techniques in stock selection.

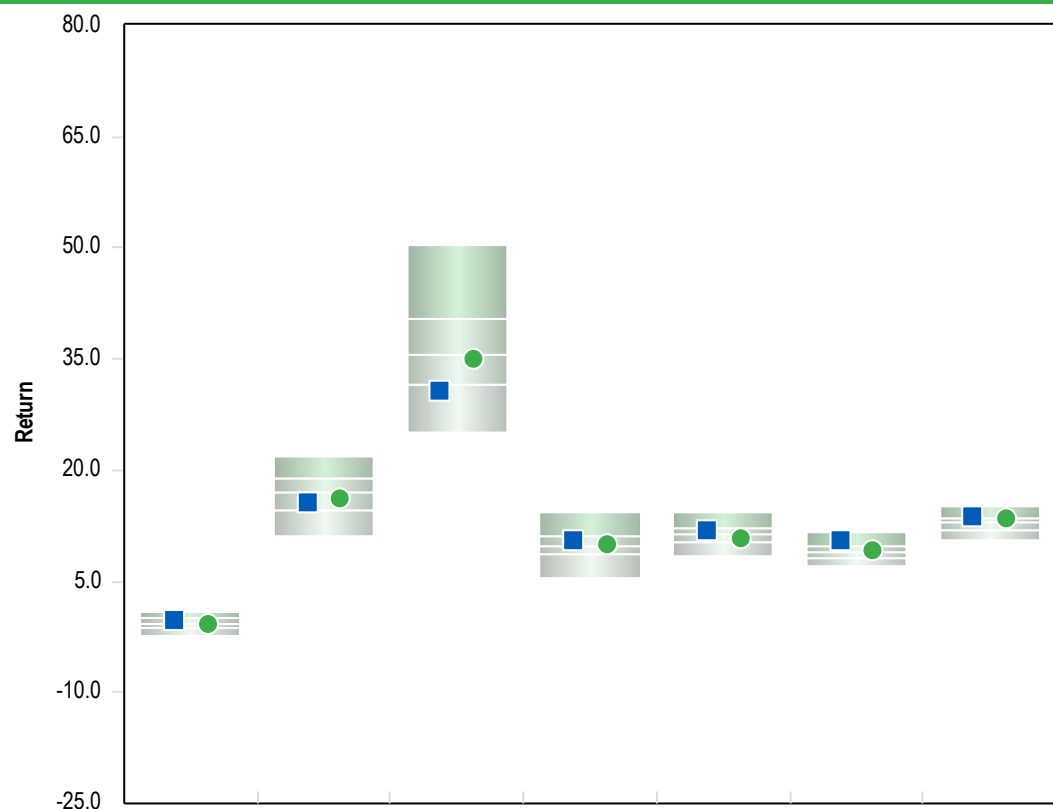
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Large Cap Value Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Vanguard Equity Income	-0.2 (34)	15.6 (62)	30.8 (79)	10.6 (30)	11.8 (33)	10.5 (12)	13.7 (21)
● Russell 1000 Value Index	-0.8 (54)	16.1 (57)	35.0 (53)	10.1 (41)	10.9 (59)	9.3 (38)	13.5 (29)

5th Percentile	0.8	21.9	50.3	14.2	14.4	11.5	15.0
1st Quartile	0.0	18.9	40.5	11.0	12.1	9.7	13.6
Median	-0.7	16.9	35.6	9.7	11.3	9.0	12.9
3rd Quartile	-1.4	14.7	31.5	8.6	10.2	8.2	12.0
95th Percentile	-2.4	11.1	25.1	5.4	8.3	7.0	10.6

Population	484	473	470	441	403	355	310
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.9	13.5
Minimum Return	-13.4	-17.1
Return	10.6	10.1
Cumulative Return	35.4	33.4
Active Return	0.0	0.0
Excess Return	10.5	10.5

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	92.4	100.0
Down Market Capture	88.0	100.0

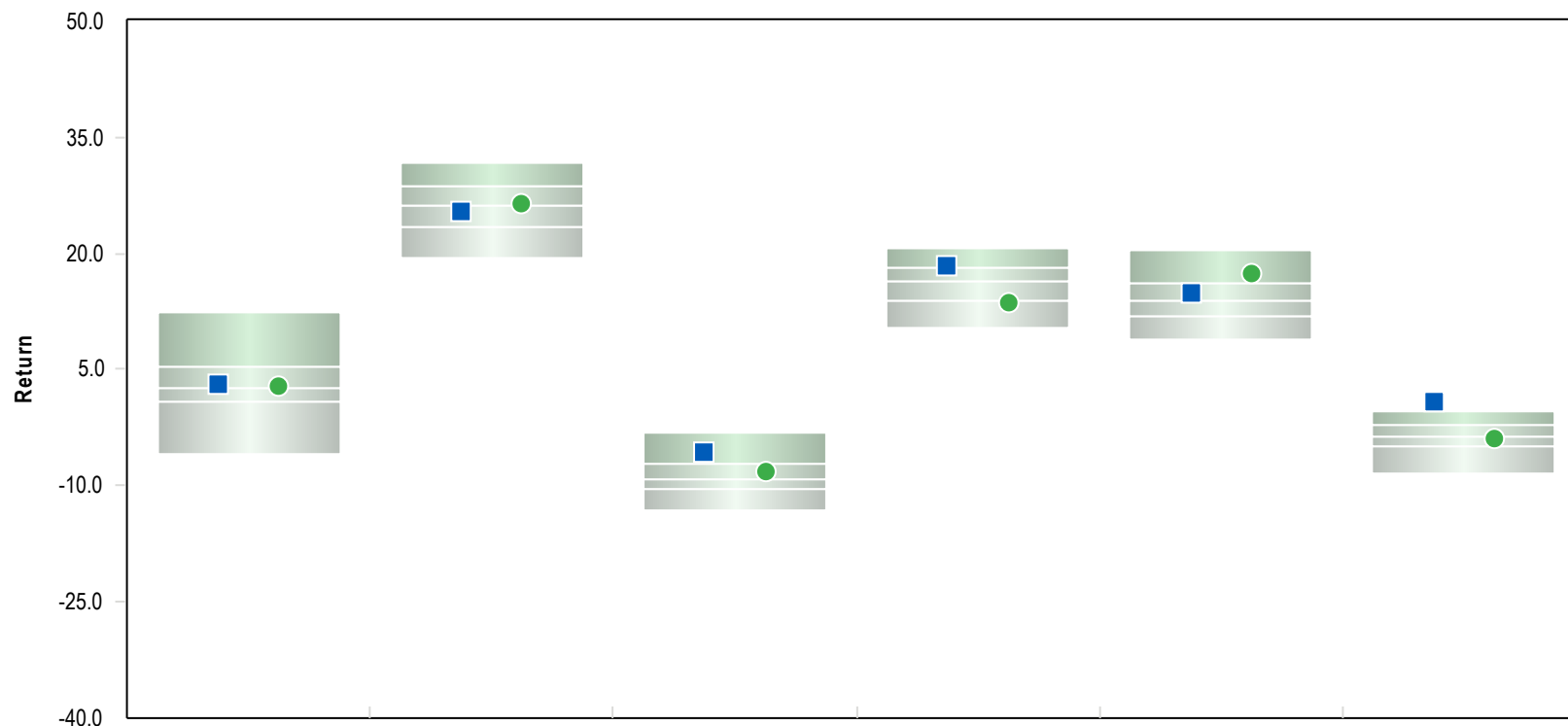
Risk / Return Summary Statistics

Standard Deviation	17.4	19.9
Alpha	1.6	0.0
Active Return/Risk	0.0	0.0
Tracking Error	3.5	0.0
Information Ratio	0.0	-
Sharpe Ratio	0.6	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. Large Cap Value Equity (MF)



■ Vanguard Equity Income
● Russell 1000 Value Index

	2020	2019	2018	2017	2016	2015
Vanguard Equity Income	3.1 (43)	25.3 (62)	-5.6 (14)	18.5 (23)	14.8 (38)	0.9 (4)
Russell 1000 Value Index	2.8 (48)	26.5 (45)	-8.3 (36)	13.7 (77)	17.3 (19)	-3.8 (58)

5th Percentile	12.3	31.7	-3.0	20.8	20.4	-0.3
1st Quartile	5.3	28.8	-7.2	18.2	16.3	-2.1
Median	2.6	26.1	-9.1	16.3	13.8	-3.5
3rd Quartile	0.9	23.5	-10.4	13.9	12.0	-5.0
95th Percentile	-6.0	19.5	-13.1	10.5	8.8	-8.4
Population	484	477	486	472	454	413

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

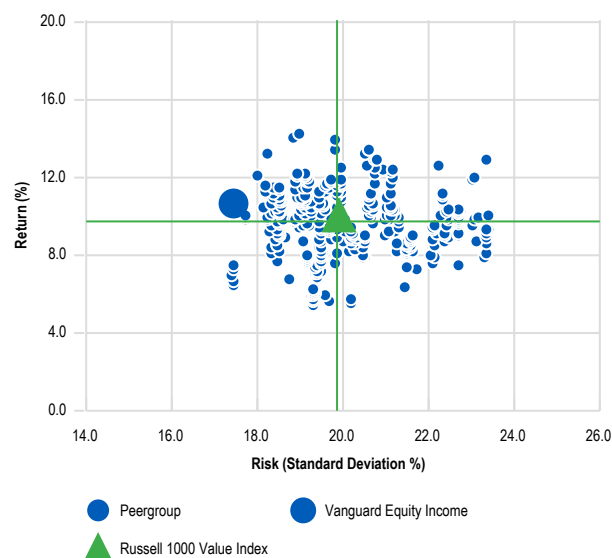
Fund Information

Product Name : Vanguard Equity Inc;Adm (VEIRX)
 Fund Family : Vanguard Group Inc
 Ticker : VEIRX
 Peer Group : IM U.S. Large Cap Value Equity (MF)
 Benchmark : Russell 1000 Value Index
 Fund Inception : 08/13/2001
 Portfolio Manager : Team Managed
 Total Assets : \$41,637 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.2%
 Net Expense : 0.2%
 Turnover : 35%

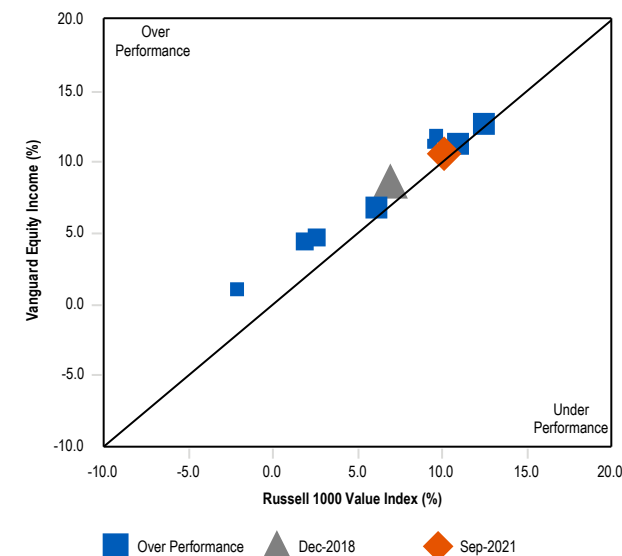
Fund Characteristics As of 03/31/2021

Total Securities 197
 Avg. Market Cap \$153,456 Million
 P/E 27.5
 P/B 6.1
 Div. Yield 2.7%
 Annual EPS -3.9
 5Yr EPS 6.1
 3Yr EPS Growth 6.8

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



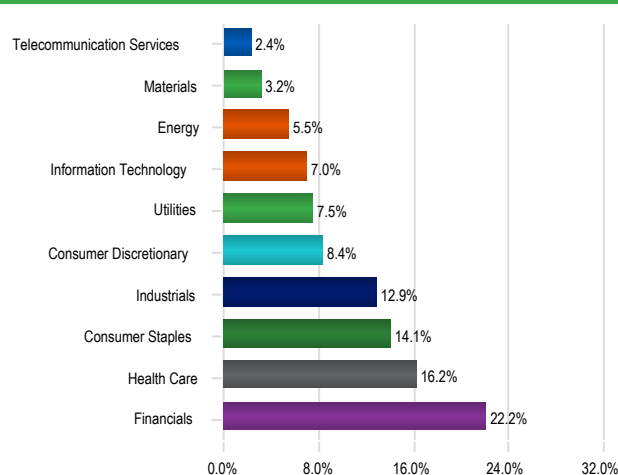
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.2	16.2
Beta	0.9	1.0
Sharpe Ratio	0.8	0.7
Information Ratio	0.2	-
Tracking Error	3.0	0.0
Consistency	53.3	0.0
Up Market Capture	93.4	100.0
Down Market Capture	84.7	100.0
R-Squared	1.0	1.0

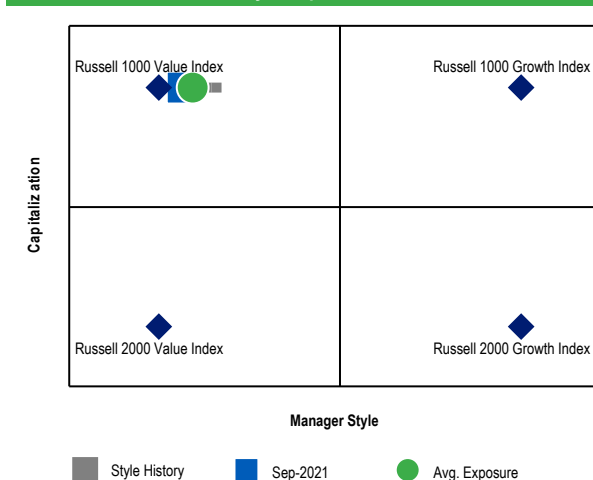
Fund Objective

The Fund seeks to provide an above-average level of current income and reasonable long-term capital appreciation. It invests in common stocks of mid-size and large companies whose stocks typically pay above-average levels of dividend income and are, in the opinion of the advisor, undervalued relative to similar stocks.

Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Large Cap Growth Equity (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Harbor Capital Appreciation	0.4 (55)	10.1 (86)	24.0 (70)	23.7 (13)	24.6 (8)	19.5 (10)	20.2 (11)
Russell 1000 Growth Index	1.2 (24)	14.3 (33)	27.3 (33)	22.0 (25)	22.8 (24)	18.5 (19)	19.7 (20)

5th Percentile	2.6	17.4	31.0	24.8	25.4	20.2	20.7
1st Quartile	1.1	14.8	27.9	22.0	22.8	18.2	19.4
Median	0.5	13.0	26.0	20.6	21.2	17.1	18.5
3rd Quartile	-0.2	11.4	23.5	18.8	19.8	16.0	17.6
95th Percentile	-2.4	8.4	20.0	16.7	18.3	14.4	15.8

Population	660	653	650	592	535	483	418
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	15.0	14.8
Minimum Return	-10.5	-9.8
Return	23.7	22.0
Cumulative Return	89.5	81.6
Active Return	2.0	0.0
Excess Return	22.8	20.8

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	108.4	100.0
Down Market Capture	107.7	100.0

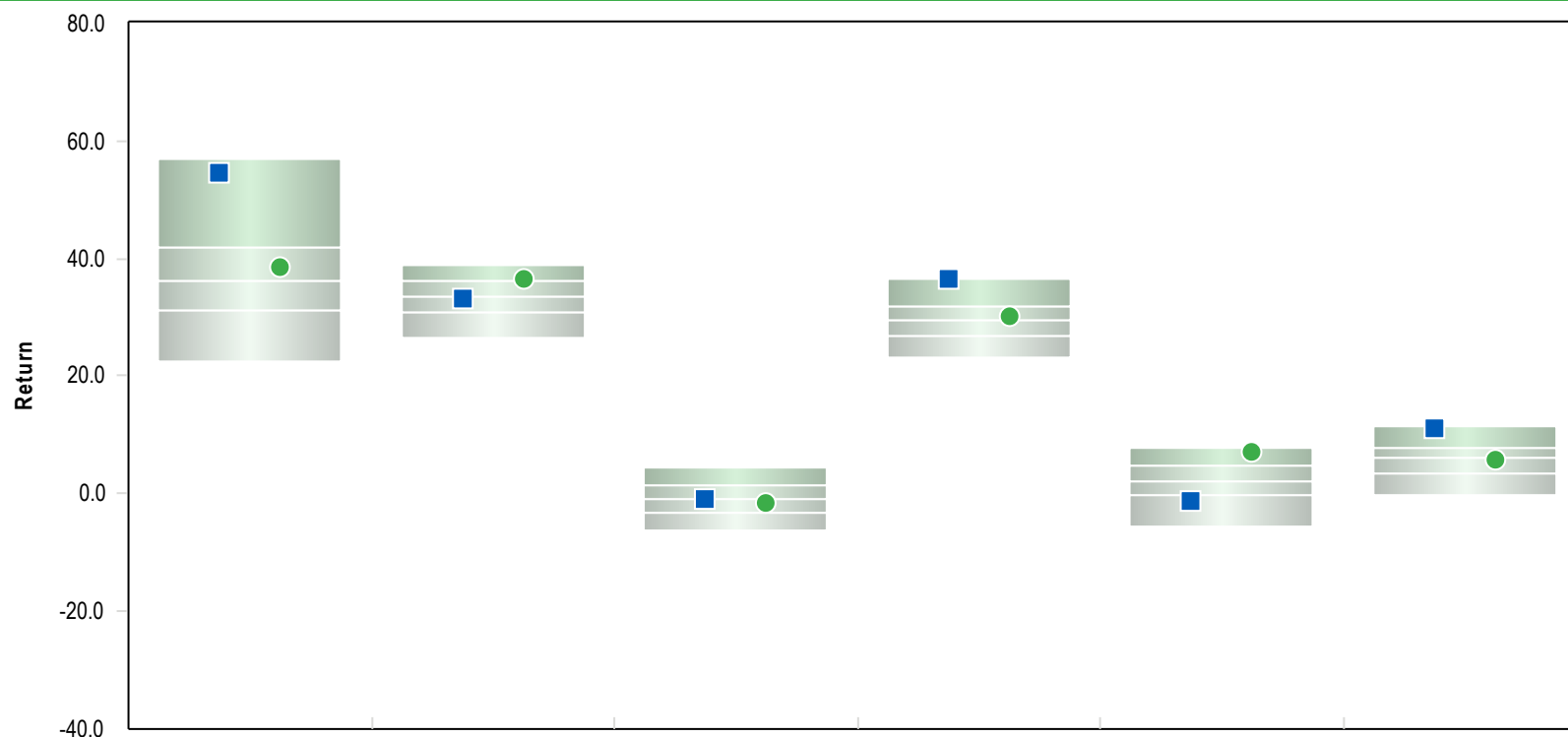
Risk / Return Summary Statistics

Standard Deviation	22.6	19.9
Alpha	-0.4	0.0
Active Return/Risk	0.1	0.0
Tracking Error	5.2	0.0
Information Ratio	0.4	-
Sharpe Ratio	1.0	1.0

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. Large Cap Growth Equity (MF)



■ Harbor Capital Appreciation

● Russell 1000 Growth Index

	2020	2019	2018	2017	2016	2015
Harbor Capital Appreciation	54.4 (9)	33.3 (51)	-1.0 (53)	36.6 (5)	-1.1 (81)	11.0 (7)
Russell 1000 Growth Index	38.5 (37)	36.4 (21)	-1.5 (58)	30.2 (41)	7.1 (8)	5.7 (54)
5th Percentile	57.1	39.0	4.5	36.6	7.6	11.4
1st Quartile	41.9	36.1	1.5	31.9	4.9	7.9
Median	36.2	33.4	-0.9	29.5	2.2	6.0
3rd Quartile	31.3	30.9	-3.2	26.7	-0.2	3.4
95th Percentile	22.4	26.4	-6.2	23.2	-5.6	-0.1
Population	645	641	670	651	622	577

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

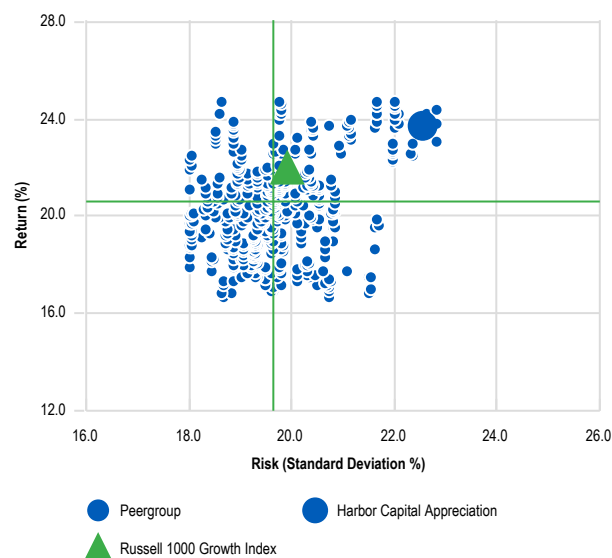
Fund Information

Product Name : Harbor:Cap Apprec;Inst (HACAX)
 Fund Family : Harbor Capital Advisors Inc
 Ticker : HACAX
 Peer Group : IM U.S. Large Cap Growth Equity (MF)
 Benchmark : Russell 1000 Growth Index
 Fund Inception : 12/29/1987
 Portfolio Manager : Team Managed
 Total Assets : \$27,241 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.7%
 Net Expense : 0.7%
 Turnover : 51%

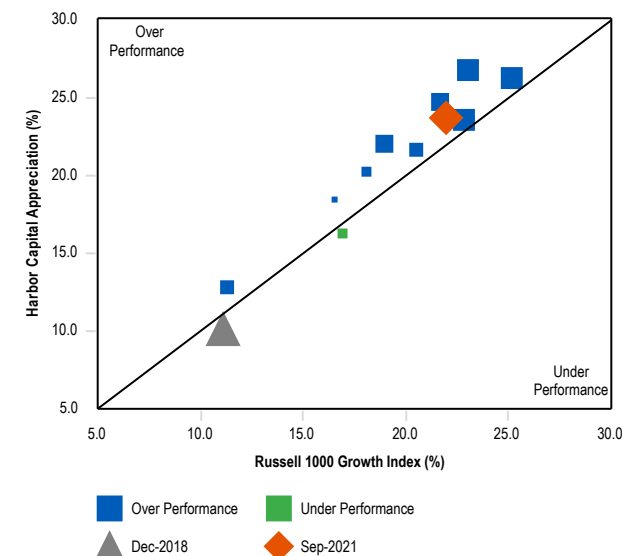
Fund Characteristics As of 03/31/2021

Total Securities 59
 Avg. Market Cap \$539,754 Million
 P/E 49.3
 P/B 16.4
 Div. Yield 0.8%
 Annual EPS 29.1
 5Yr EPS 32.8
 3Yr EPS Growth 27.9

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



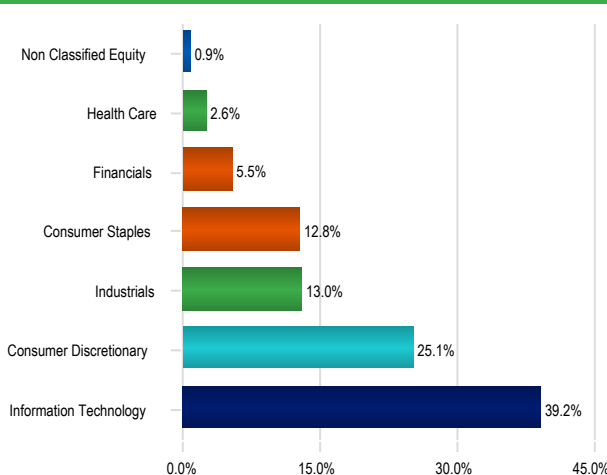
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	18.5	16.3
Beta	1.1	1.0
Sharpe Ratio	1.2	1.3
Information Ratio	0.4	-
Tracking Error	4.8	0.0
Consistency	51.7	0.0
Up Market Capture	107.3	100.0
Down Market Capture	105.7	100.0
R-Squared	0.9	1.0

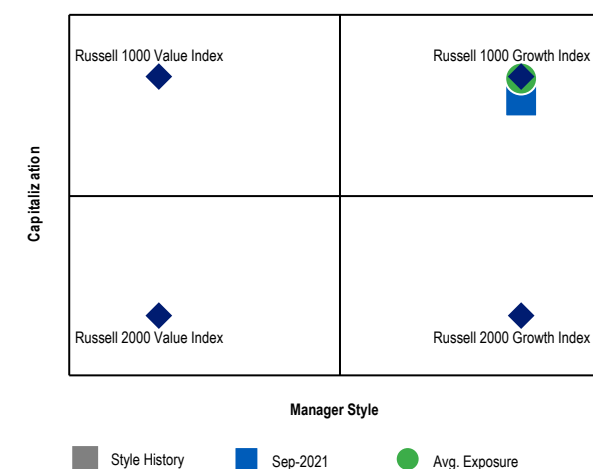
Fund Objective

The Fund seeks long-term growth of capital through investment in equity securities of larger established companies with above-average prospects for growth.

Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM U.S. Mid Cap Equity (MF)



■ Fidelity Mid Cap Index
● Russell Midcap Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Fidelity Mid Cap Index	-0.9 (60)	15.2 (44)	38.1 (45)	14.2 (44)	14.4 (48)	12.1 (50)	15.5 (43)
Russell Midcap Index	-0.9 (60)	15.2 (44)	38.1 (44)	14.2 (44)	14.4 (48)	12.2 (50)	15.5 (43)

5th Percentile	2.6	22.2	54.0	23.5	23.6	17.9	18.8
1st Quartile	0.5	17.8	43.0	18.3	19.0	15.3	16.9
Median	-0.4	13.9	36.5	12.7	13.9	12.1	14.9
3rd Quartile	-1.6	8.9	30.5	9.9	10.7	9.1	13.0
95th Percentile	-3.5	4.4	23.1	6.4	7.8	6.7	10.9

Population	871	848	829	782	704	608	509
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	14.3	14.4
Minimum Return	-19.5	-19.5
Return	14.2	14.2
Cumulative Return	49.0	49.0
Active Return	0.0	0.0
Excess Return	14.7	14.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	99.9	100.0
Down Market Capture	99.8	100.0

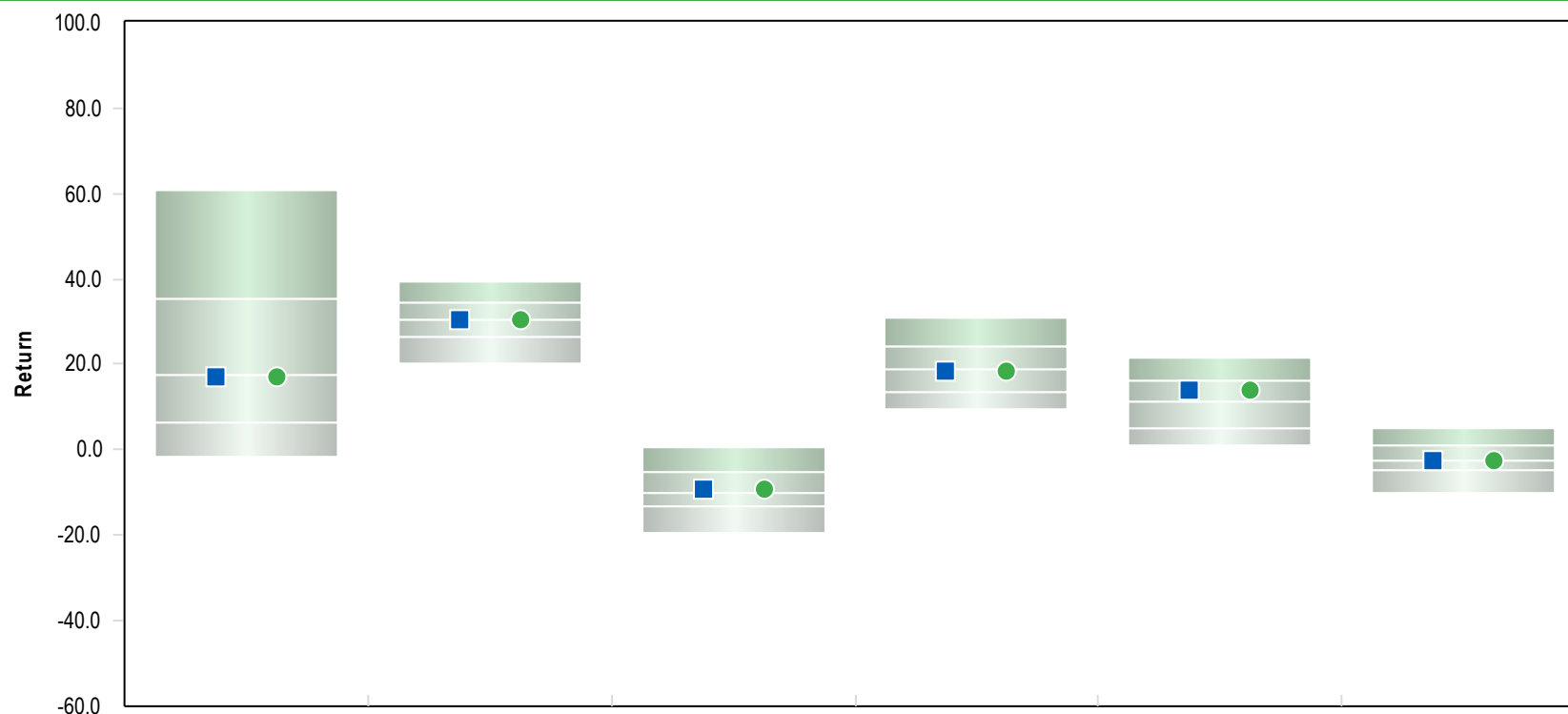
Risk / Return Summary Statistics

Standard Deviation	22.0	22.0
Alpha	0.0	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.1	0.0
Information Ratio	0.1	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. Mid Cap Equity (MF)



■ Fidelity Mid Cap Index

● Russell Midcap Index

2020

17.1 (51)

17.1 (51)

2019

30.5 (47)

30.5 (47)

2018

-9.0 (45)

-9.1 (45)

2017

18.5 (51)

18.5 (51)

2016

13.9 (38)

13.8 (39)

2015

-2.4 (50)

-2.4 (49)

5th Percentile

60.9

39.3

0.8

31.0

21.4

5.0

1st Quartile

35.3

34.4

-5.2

24.4

16.2

1.0

Median

17.4

30.3

-9.9

18.7

11.4

-2.5

3rd Quartile

6.2

26.3

-13.3

13.7

5.1

-4.9

95th Percentile

-1.6

20.4

-19.4

9.3

0.8

-10.1

Population

835

855

889

859

797

739

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

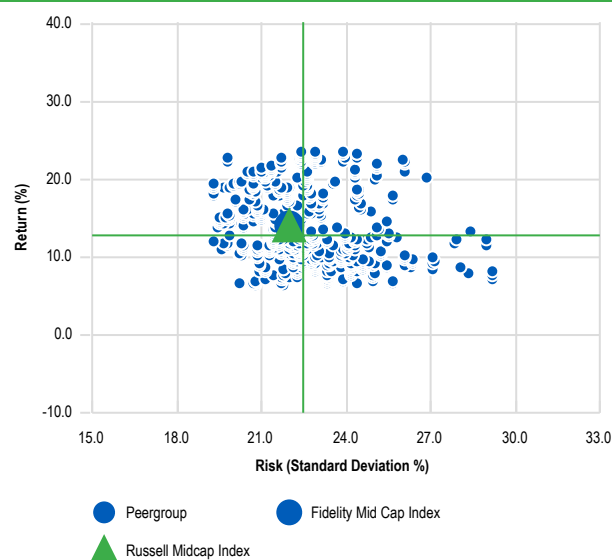
Fund Information

Product Name : Fidelity Mid Cap Index (FSMDX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FSMDX
 Peer Group : IM U.S. Mid Cap Equity (MF)
 Benchmark : Russell Midcap Index
 Fund Inception : 09/08/2011
 Portfolio Manager : Team Managed
 Total Assets : \$22,168 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 14%

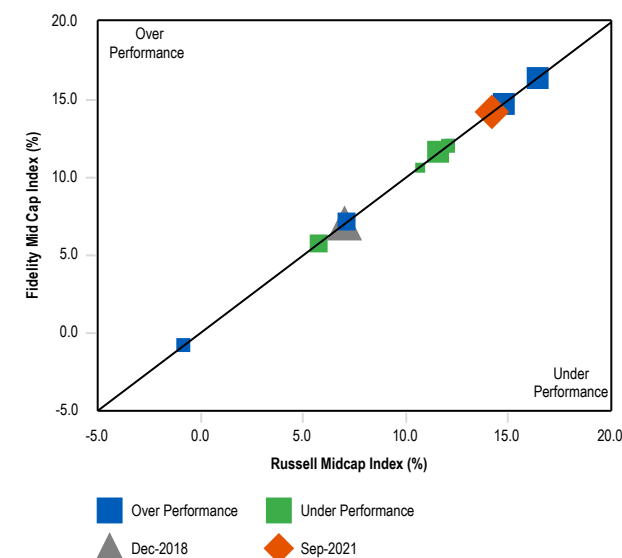
Fund Characteristics As of 04/30/2021

Total Securities 828
 Avg. Market Cap \$22,901 Million
 P/E 35.3
 P/B 7.4
 Div. Yield 1.9%
 Annual EPS 0.6
 5Yr EPS 11.5
 3Yr EPS Growth 11.3

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



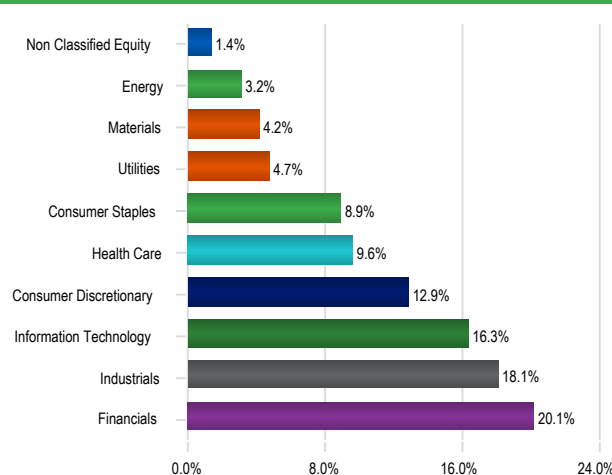
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	17.6	17.6
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	-0.3	-
Tracking Error	0.1	0.0
Consistency	50.0	0.0
Up Market Capture	99.9	100.0
Down Market Capture	99.9	100.0
R-Squared	1.0	1.0

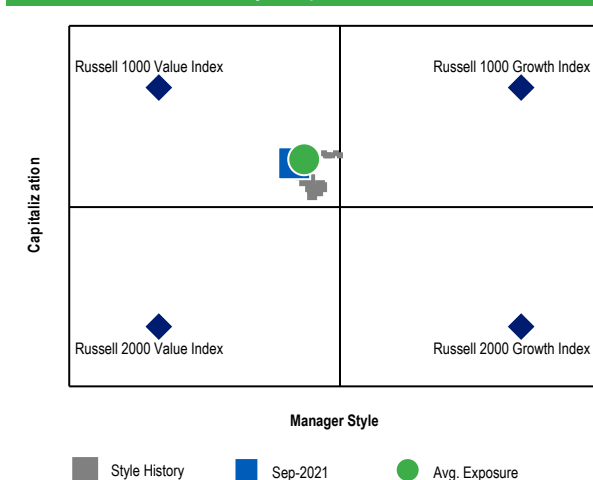
Fund Objective

The Fund seeks to provide investment results that correspond to the total return of stocks of mid-capitalization United States companies. The Fund normally investing at least 80% of assets in securities included in the Russell Midcap Index and lending securities to earn income.

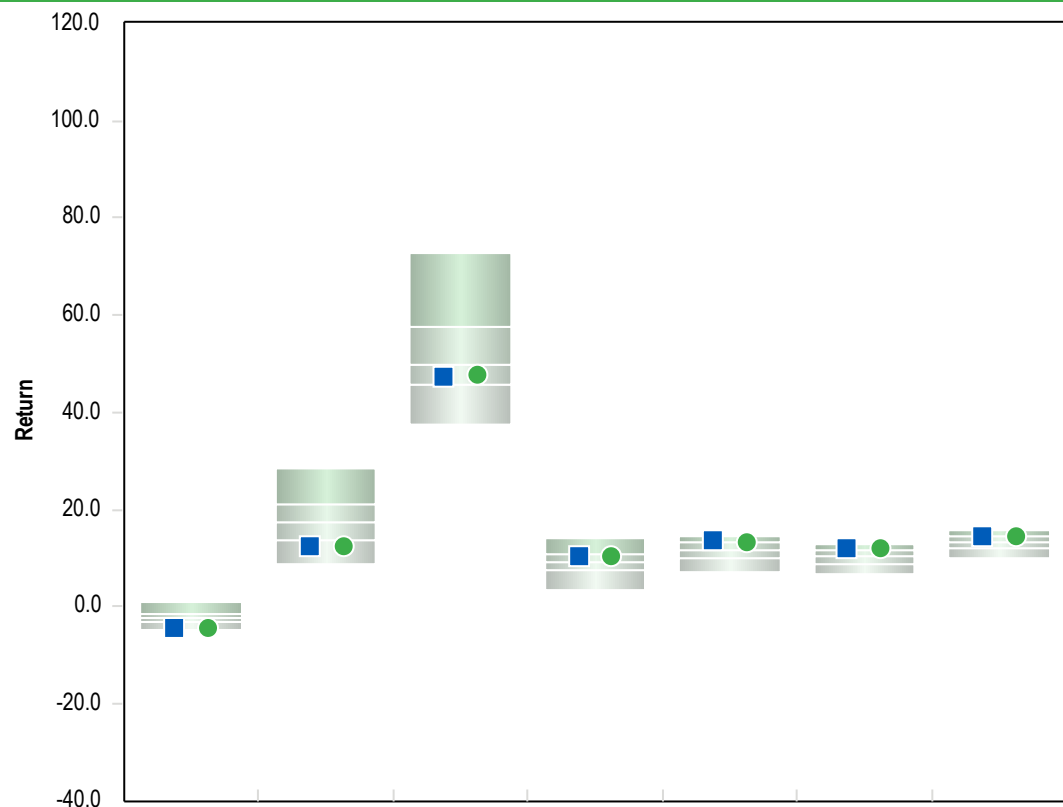
Sector Allocation As of 04/30/2021



Style Map - 36 Months



IM U.S. Small Cap Core Equity (MF)



■ Fidelity Small Cap Index
● Russell 2000 Index

1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
-4.4 (90)	12.4 (82)	47.5 (66)	10.6 (28)	13.6 (22)	12.1 (17)	14.8 (20)
-4.4 (88)	12.4 (82)	47.7 (65)	10.5 (28)	13.5 (24)	11.9 (21)	14.6 (23)

5th Percentile	0.8	28.6	73.0	14.1	14.6	12.7	15.9
1st Quartile	-1.2	21.2	57.6	10.7	13.4	11.7	14.6
Median	-2.3	17.3	49.9	9.1	11.8	10.4	13.5
3rd Quartile	-3.3	13.7	45.9	7.5	10.1	9.0	12.3
95th Percentile	-4.8	8.9	37.6	3.5	7.2	6.9	10.1

Population	752	741	736	700	621	518	428
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	18.4	18.4
Minimum Return	-21.7	-21.7
Return	10.6	10.5
Cumulative Return	35.3	35.1
Active Return	0.0	0.0
Excess Return	12.2	12.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.1	100.0
Down Market Capture	100.0	100.0

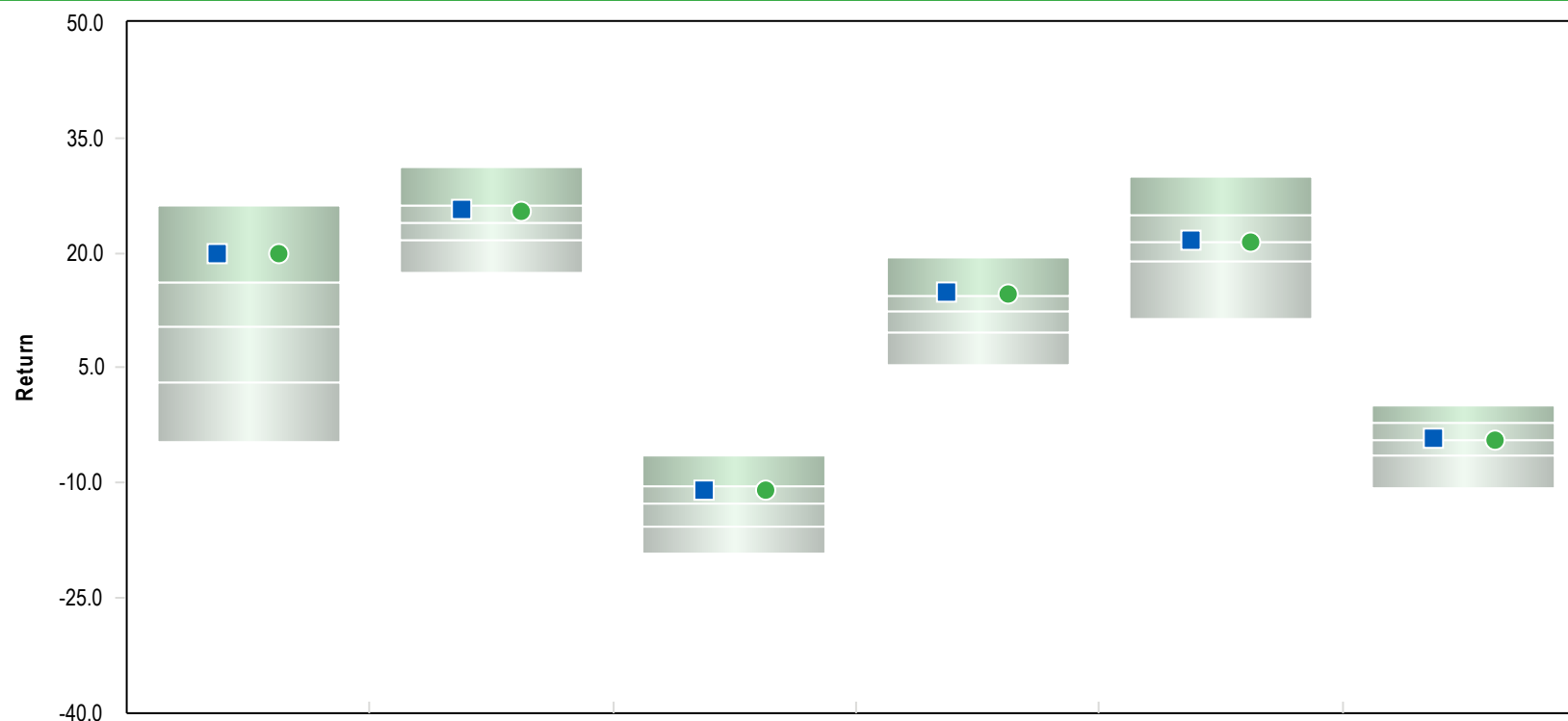
Risk / Return Summary Statistics

Standard Deviation	25.3	25.3
Alpha	0.1	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.1	0.0
Information Ratio	0.6	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. Small Cap Core Equity (MF)



■ Fidelity Small Cap Index

● Russell 2000 Index

	2020	2019	2018	2017	2016	2015
Fidelity Small Cap Index	20.0 (13)	25.7 (29)	-10.9 (30)	14.9 (19)	21.6 (48)	-4.2 (49)
Russell 2000 Index	20.0 (13)	25.5 (32)	-11.0 (33)	14.6 (22)	21.3 (51)	-4.4 (53)
5th Percentile	26.3	31.2	-6.4	19.5	30.0	0.2
1st Quartile	16.2	26.1	-10.5	14.3	25.0	-2.2
Median	10.4	23.9	-12.7	12.4	21.4	-4.3
3rd Quartile	3.1	21.7	-15.8	9.6	18.9	-6.3
95th Percentile	-4.8	17.3	-19.3	5.4	11.5	-10.6
Population	762	782	820	816	747	671

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

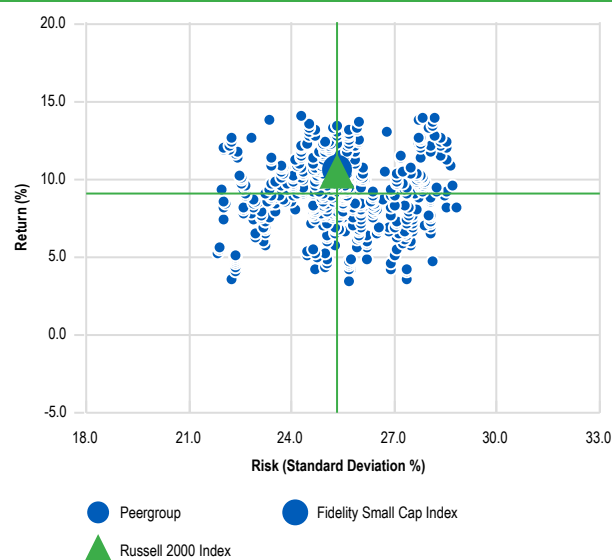
Fund Information

Product Name : Fidelity Small Cap Index (FSSNX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FSSNX
 Peer Group : IM U.S. Small Cap Core Equity (MF)
 Benchmark : Russell 2000 Index
 Fund Inception : 09/08/2011
 Portfolio Manager : Team Managed
 Total Assets : \$21,536 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.0%
 Net Expense : 0.0%
 Turnover : 17%

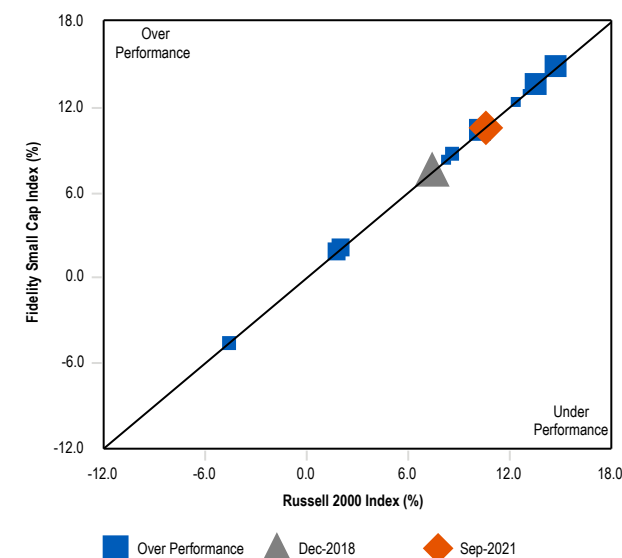
Fund Characteristics As of 01/31/2021

Total Securities 2,044
 Avg. Market Cap \$3,681 Million
 P/E 33.8
 P/B 6.6
 Div. Yield 2.6%
 Annual EPS 3.9
 5Yr EPS 10.3
 3Yr EPS Growth 12.7

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



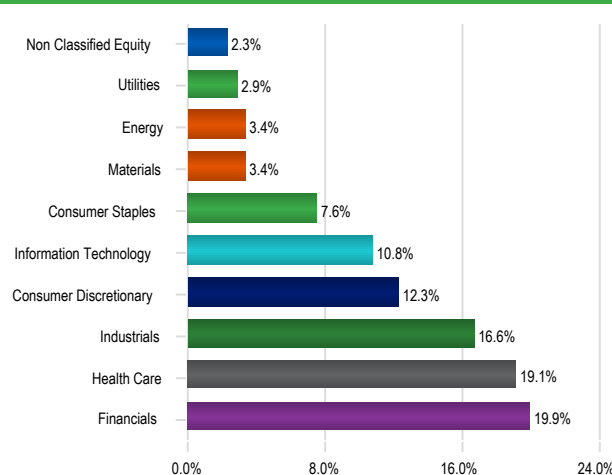
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	20.9	20.9
Beta	1.0	1.0
Sharpe Ratio	0.7	0.7
Information Ratio	1.1	-
Tracking Error	0.1	0.0
Consistency	58.3	0.0
Up Market Capture	100.2	100.0
Down Market Capture	99.9	100.0
R-Squared	1.0	1.0

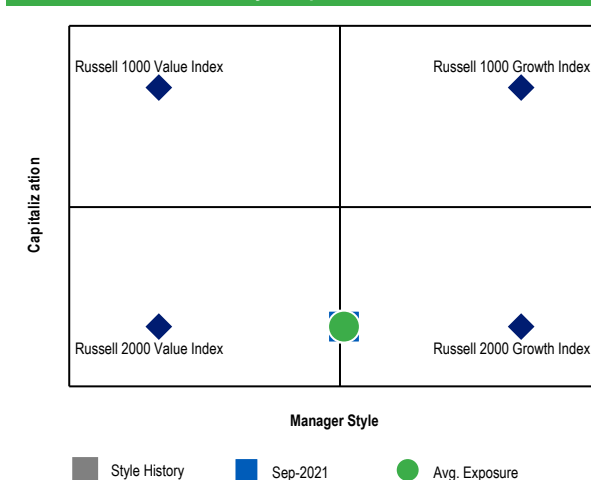
Fund Objective

The Fund seeks to provide investment results that correspond to the total return of stocks of small-capitalization United States companies. The Fund normally investing at least 80% of assets in securities included in the Russell 2000 Index and lends securities to earn income for the fund.

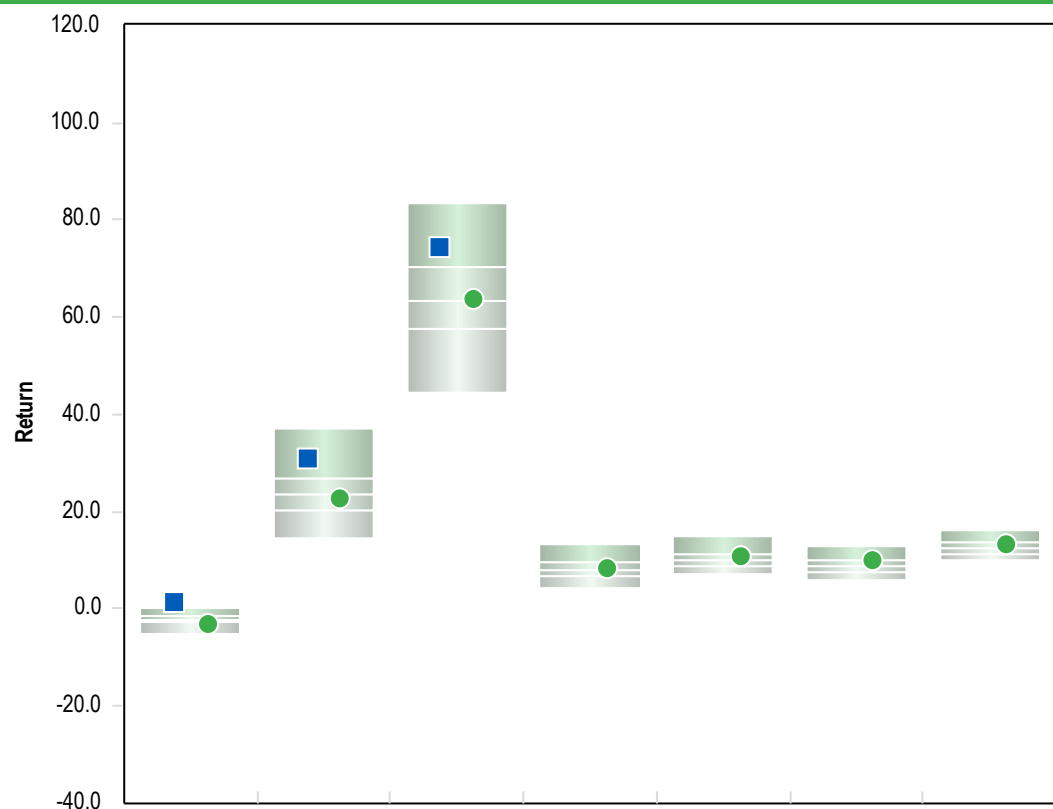
Sector Allocation As of 01/31/2021



Style Map - 36 Months



IM U.S. Small Cap Value Equity (MF)



■ Fidelity Advisor SCV
● Russell 2000 Value Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	1.5 (2)	30.9 (18)	74.4 (20)	-	-	-	-
	-3.0 (78)	22.9 (58)	63.9 (48)	8.6 (42)	11.0 (32)	10.2 (22)	13.2 (31)

5th Percentile	0.4	36.9	83.4	13.4	15.1	12.8	16.0
1st Quartile	-1.3	26.9	70.3	9.5	11.3	10.1	13.5
Median	-2.1	23.6	63.5	8.2	10.0	8.7	12.6
3rd Quartile	-2.8	20.3	57.8	6.8	8.8	7.7	11.4
95th Percentile	-5.3	14.5	44.3	4.5	7.1	5.9	10.1

Population	241	238	236	216	203	185	156
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	-	19.3
Minimum Return	-	-24.7
Return	-	8.6
Cumulative Return	-	28.0
Active Return	-	0.0
Excess Return	-	10.8

Risk Summary Statistics

Beta	-	1.0
Up Market Capture	-	100.0
Down Market Capture	-	100.0

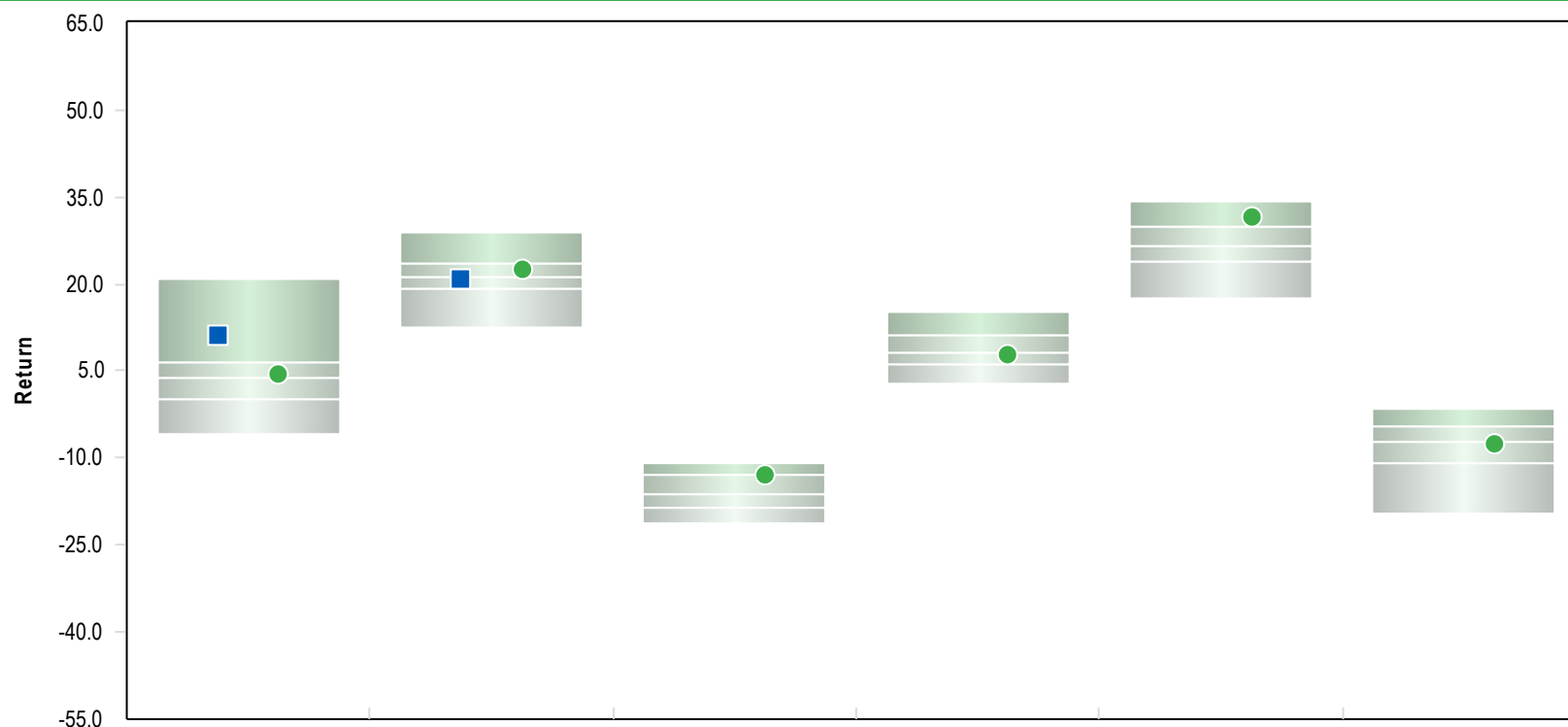
Risk / Return Summary Statistics

Standard Deviation	-	26.6
Alpha	-	0.0
Active Return/Risk	-	0.0
Tracking Error	-	0.0
Information Ratio	-	-
Sharpe Ratio	-	0.4

Correlation Statistics

R-Squared	-	1.0
Actual Correlation	-	1.0

IM U.S. Small Cap Value Equity (MF)



■ Fidelity Advisor SCV
● Russell 2000 Value Index

5th Percentile	20.8	29.0	-10.8	15.4	34.3	-1.5
1st Quartile	6.6	23.5	-13.0	11.2	29.9	-4.6
Median	3.8	21.3	-16.1	8.3	26.6	-7.1
3rd Quartile	0.1	19.0	-18.7	6.1	23.7	-10.8
95th Percentile	-5.8	12.6	-21.3	2.7	17.6	-19.6
Population	236	250	257	244	233	213

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

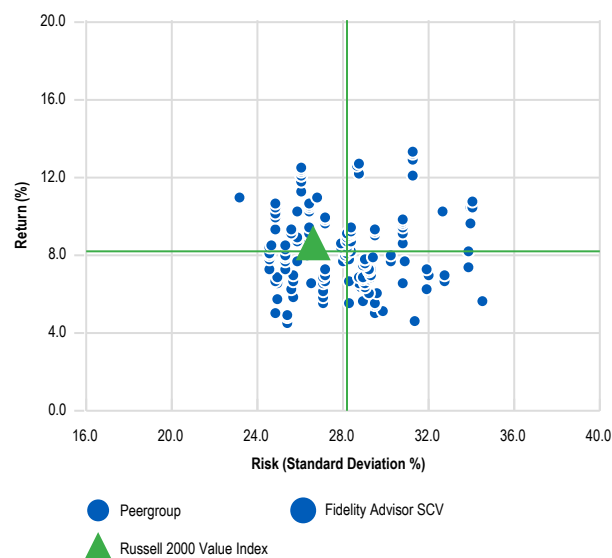
Fund Information

Product Name : Fidelity Adv SC Val;Z (FIKNX)
 Fund Family : Fidelity Management & Research Company
 Ticker : FIKNX
 Peer Group : IM U.S. Small Cap Value Equity (MF)
 Benchmark : Russell 2000 Value Index
 Fund Inception : 10/02/2018
 Portfolio Manager : Janssen/Kelleher
 Total Assets : \$351 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.8%
 Net Expense : 0.8%
 Turnover : 109%

Fund Characteristics As of 01/31/2021

Total Securities 96
 Avg. Market Cap \$4,166 Million
 P/E 22.9
 P/B 2.5
 Div. Yield 2.4%
 Annual EPS 6.5
 5Yr EPS 9.2
 3Yr EPS Growth 8.3

Peer Group Scattergram - 36 Months



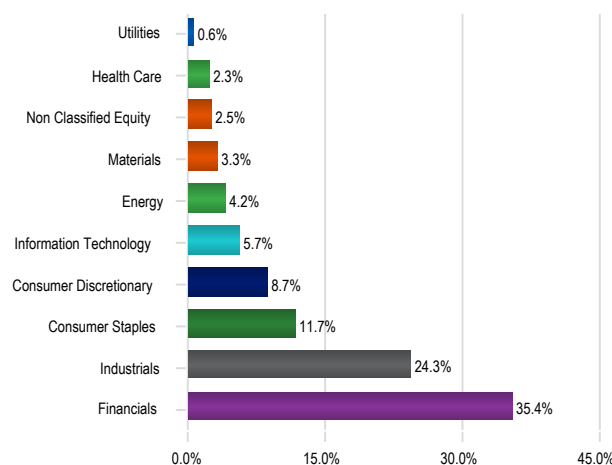
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	-	22.2
Beta	-	1.0
Sharpe Ratio	-	0.5
Information Ratio	-	-
Tracking Error	-	0.0
Consistency	-	0.0
Up Market Capture	-	100.0
Down Market Capture	-	100.0
R-Squared	-	1.0

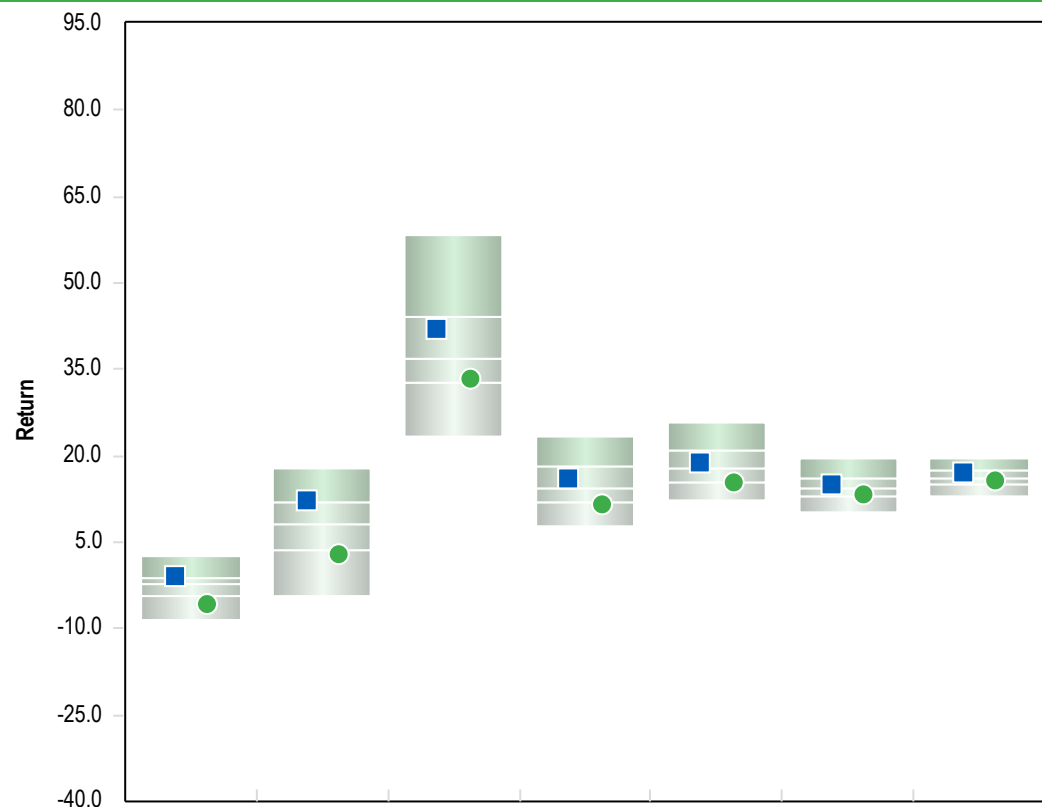
Fund Objective

The Fund seeks capital appreciation by investing at least 80% of assets in securities of companies with small market capitalizations. The Fund also invests in securities of companies that it believes are undervalued in the marketplace.

Sector Allocation As of 01/31/2021



IM U.S. Small Cap Growth Equity (MF)



■ Vanguard Explorer
● Russell 2000 Growth Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Vanguard Explorer	-0.9 (23)	12.1 (25)	42.0 (29)	16.0 (41)	19.0 (39)	15.1 (37)	17.3 (30)
Russell 2000 Growth Index	-5.7 (88)	2.8 (81)	33.3 (73)	11.7 (78)	15.3 (76)	13.2 (72)	15.7 (64)

5th Percentile	2.5	17.9	58.4	23.2	25.7	19.6	19.6
1st Quartile	-1.1	12.0	44.2	18.1	20.9	16.2	17.5
Median	-2.3	8.2	36.9	14.2	17.7	14.4	16.2
3rd Quartile	-4.3	3.5	32.7	11.9	15.3	13.0	14.9
95th Percentile	-8.5	-4.3	23.2	7.7	12.4	10.1	13.1

Population	386	385	384	354	304	271	233
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	16.7	17.6
Minimum Return	-19.6	-19.1
Return	16.0	11.7
Cumulative Return	55.9	39.4
Active Return	3.6	0.0
Excess Return	16.8	13.2

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	99.4	100.0
Down Market Capture	85.9	100.0

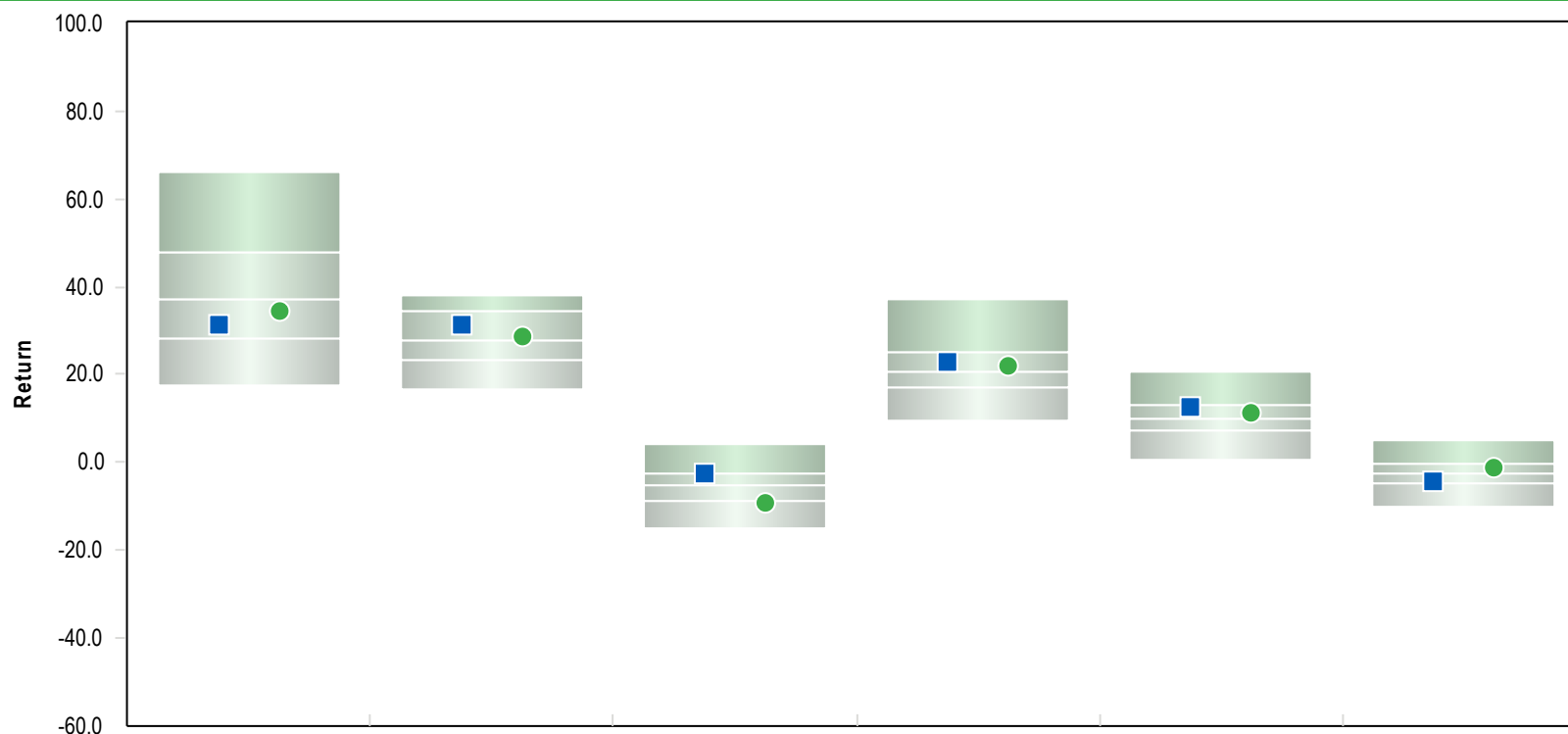
Risk / Return Summary Statistics

Standard Deviation	24.4	25.3
Alpha	4.5	0.0
Active Return/Risk	0.1	0.0
Tracking Error	5.3	0.0
Information Ratio	0.7	-
Sharpe Ratio	0.7	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. Small Cap Growth Equity (MF)



■ Vanguard Explorer

● Russell 2000 Growth Index

	2020	2019	2018	2017	2016	2015
	31.5 (68)	31.4 (35)	-2.4 (25)	23.1 (36)	12.5 (32)	-4.2 (71)
	34.6 (59)	28.5 (47)	-9.3 (79)	22.2 (41)	11.3 (41)	-1.4 (37)
5th Percentile	66.3	38.0	4.2	37.2	20.5	5.0
1st Quartile	48.0	34.4	-2.5	25.1	13.2	-0.3
Median	37.2	27.7	-5.1	20.7	9.9	-2.3
3rd Quartile	28.1	23.6	-8.6	17.3	7.3	-4.6
95th Percentile	17.6	16.7	-15.0	9.4	0.6	-10.2
Population	389	386	392	369	343	329

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

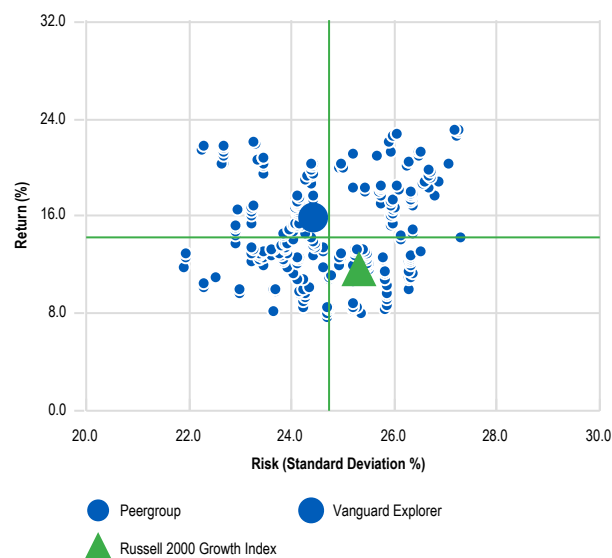
Fund Information

Product Name : Vanguard Explorer,Adm (VEXRX)
 Fund Family : Vanguard Group Inc
 Ticker : VEXRX
 Peer Group : IM U.S. Small Cap Growth Equity (MF)
 Benchmark : Russell 2000 Growth Index
 Fund Inception : 11/12/2001
 Portfolio Manager : Team Managed
 Total Assets : \$19,667 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 43%

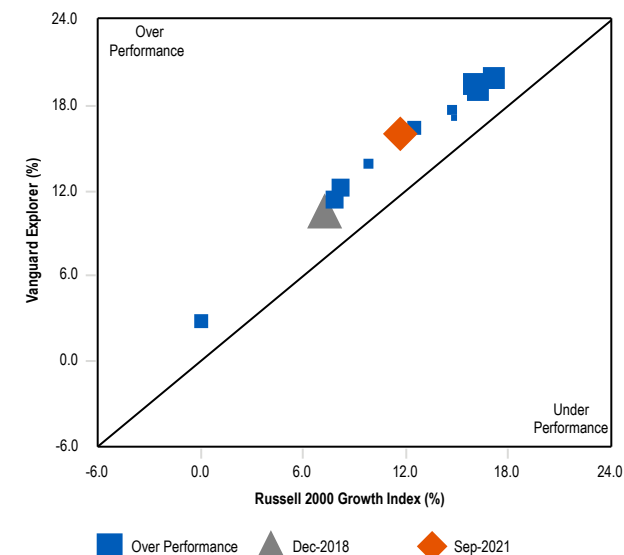
Fund Characteristics As of 03/31/2021

Total Securities 711
 Avg. Market Cap \$9,569 Million
 P/E 40.6
 P/B 8.4
 Div. Yield 1.4%
 Annual EPS 5.8
 5Yr EPS 15.9
 3Yr EPS Growth 18.2

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



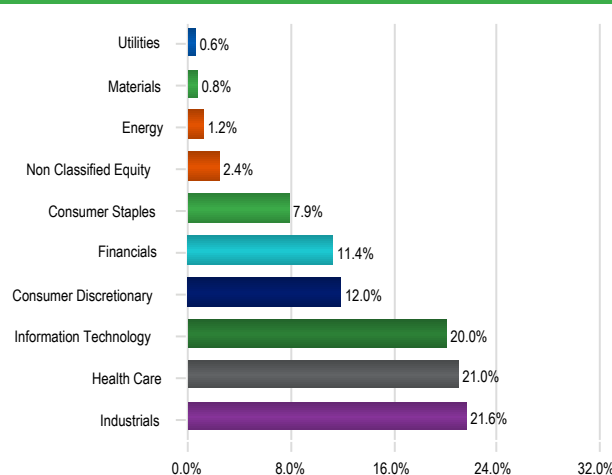
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	19.8	20.8
Beta	0.9	1.0
Sharpe Ratio	0.9	0.7
Information Ratio	0.7	-
Tracking Error	4.5	0.0
Consistency	60.0	0.0
Up Market Capture	99.5	100.0
Down Market Capture	83.2	100.0
R-Squared	1.0	1.0

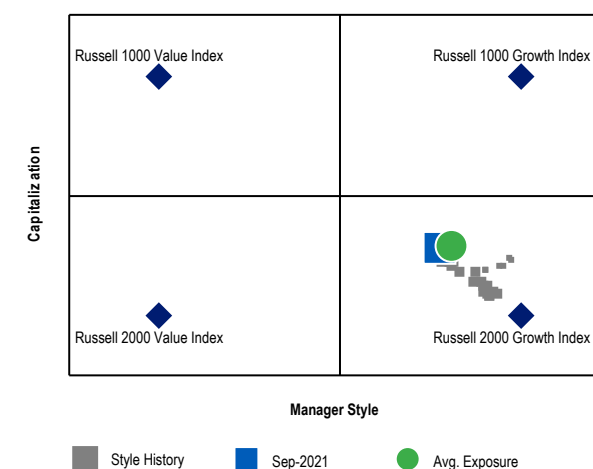
Fund Objective

The Fund seeks long-term capital growth by investing mainly in stocks of small firms. These tend to be unseasoned firms, but are considered to have superior growth potential. These companies provide little or no dividend income.

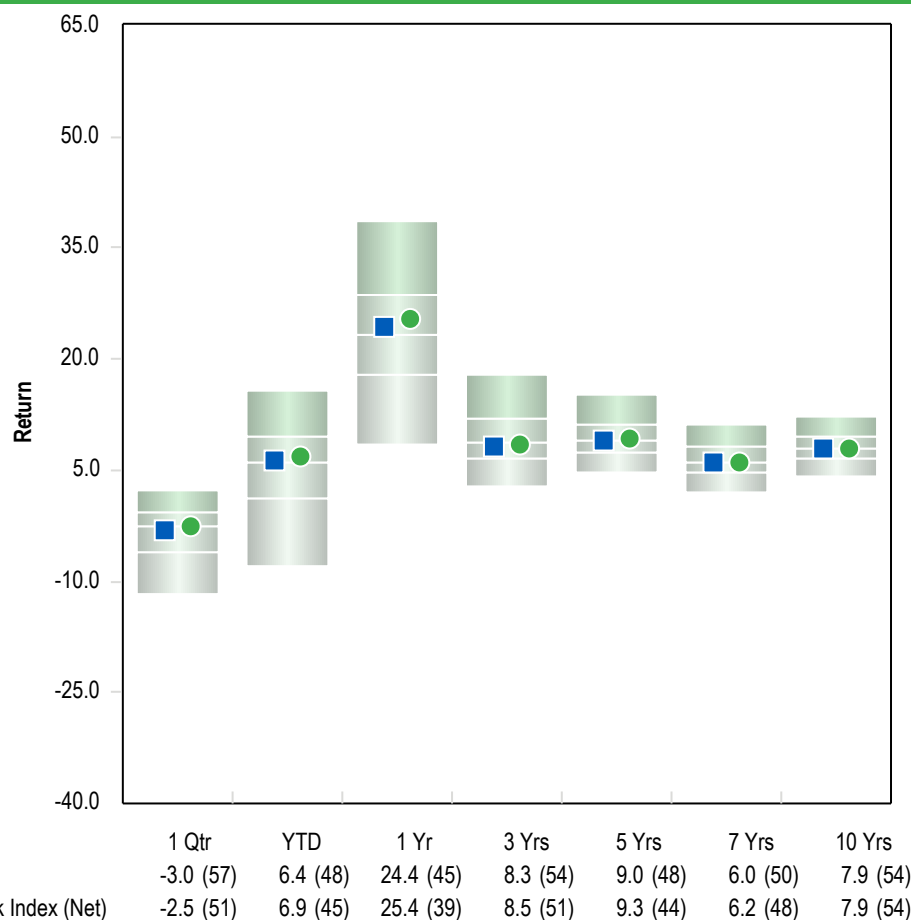
Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM International Equity (MF)



Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.0	13.5
Minimum Return	-16.1	-15.0
Return	8.3	8.5
Cumulative Return	27.1	27.8
Active Return	-0.2	0.0
Excess Return	8.5	8.6

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	100.2	100.0
Down Market Capture	101.1	100.0

Risk / Return Summary Statistics

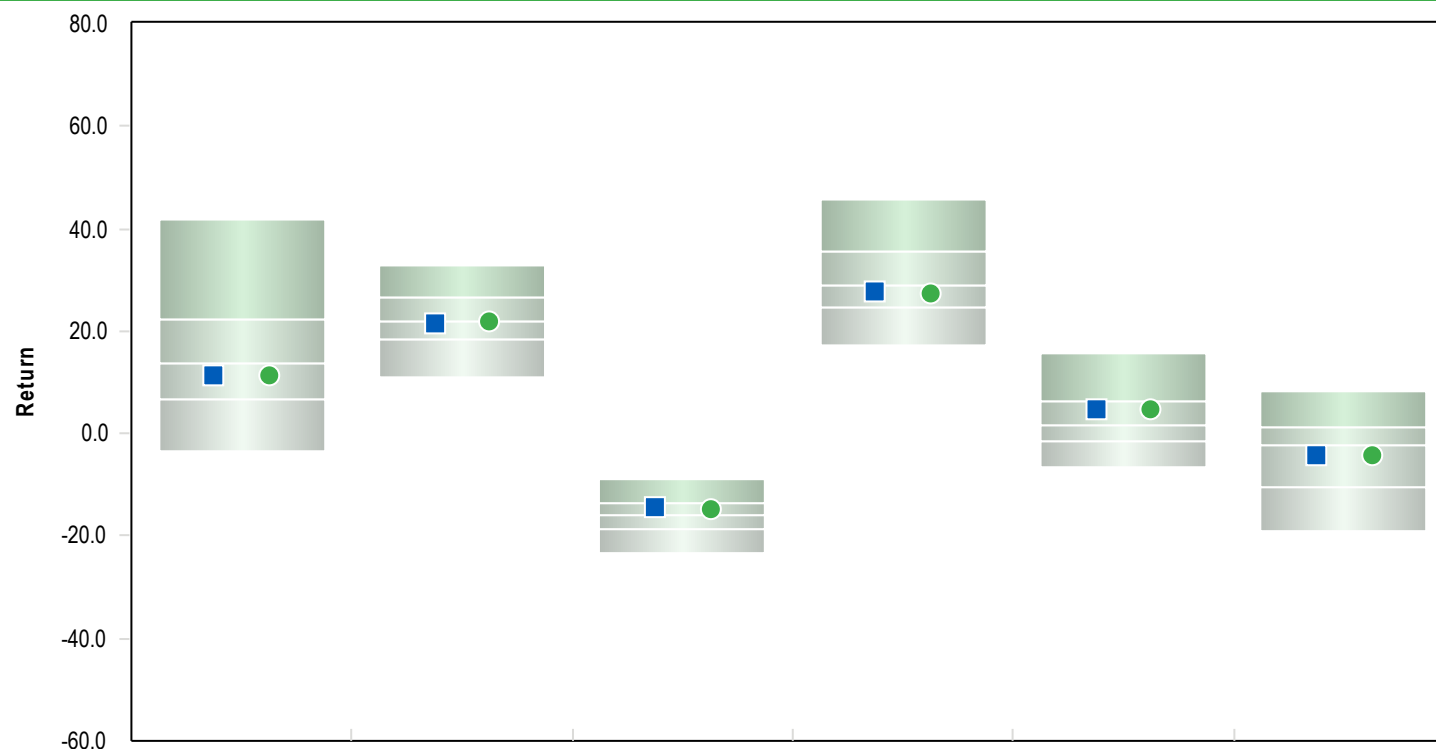
Standard Deviation	17.9	17.8
Alpha	-0.2	0.0
Active Return/Risk	0.0	0.0
Tracking Error	1.5	0.0
Information Ratio	-0.1	-
Sharpe Ratio	0.5	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

5th Percentile	2.4	15.6	38.7	17.8	15.2	11.2	12.3
1st Quartile	-0.6	9.6	28.8	12.0	11.1	8.1	9.6
Median	-2.5	6.1	23.2	8.6	8.9	6.0	8.1
3rd Quartile	-6.1	1.1	17.9	6.5	7.4	4.6	6.6
95th Percentile	-11.9	-7.9	8.5	2.7	4.6	2.0	4.2
Population	3,055	2,967	2,928	2,642	2,248	1,846	1,426

IM International Equity (MF)



■ Vanguard Total Intl Stock

● Vanguard Spliced Total Int'l Stock Index (Net)

	2020	2019	2018	2017	2016	2015
Vanguard Total Intl Stock	11.3 (57)	21.5 (55)	-14.4 (34)	27.6 (58)	4.7 (34)	-4.3 (58)
Vanguard Spliced Total Int'l Stock Index (Net)	11.2 (57)	21.8 (52)	-14.6 (36)	27.4 (58)	4.7 (33)	-4.3 (58)

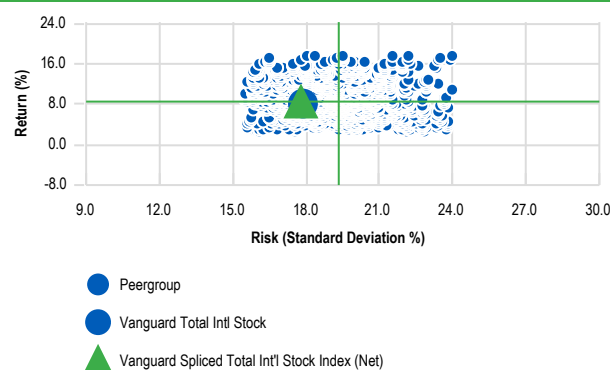
5th Percentile	41.6	32.9	-8.8	45.6	15.6	8.3
1st Quartile	22.4	26.5	-13.6	35.4	6.5	1.3
Median	13.8	22.0	-16.0	28.8	1.8	-2.3
3rd Quartile	6.7	18.3	-18.6	24.8	-1.3	-10.3
95th Percentile	-3.6	11.1	-23.3	17.2	-6.5	-19.1
Population	3,035	3,105	3,094	2,998	2,786	2,402

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

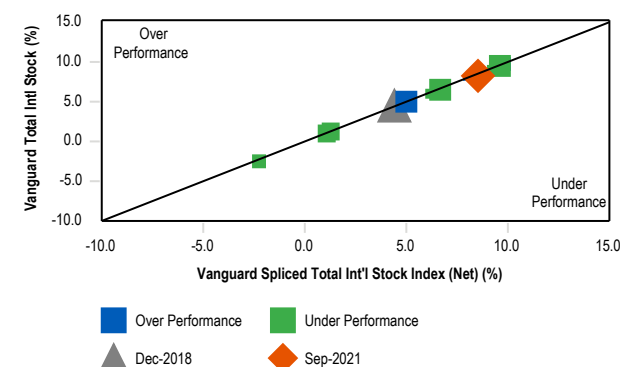
Fund Information

Product Name : Vanguard Tot I S;Adm (VTIAX)
 Fund Family : Vanguard Group Inc
 Ticker : VTIAX
 Peer Group : IM International Equity (MF)
 Benchmark : Vanguard Spliced Total Int'l Stock Index (Net)
 Fund Inception : 11/29/2010
 Portfolio Manager : Perre/Franquin
 Total Assets : \$78,426 Million
 Total Assets Date : 04/30/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 7%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



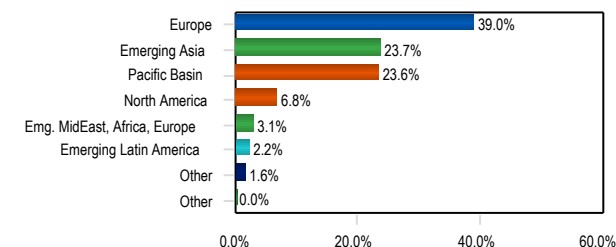
Fund Characteristics As of 04/30/2021

Total Securities 7,551
 Avg. Market Cap \$91,978 Million
 P/E 29.6
 P/B 4.5
 Div. Yield 2.5%
 Annual EPS 4.1
 5Yr EPS 8.2
 3Yr EPS Growth 4.7

Top 5 Countries As of 04/30/2021

Japan 15.6 %
 China 10.0 %
 United Kingdom 8.4 %
 Canada 6.7 %
 France 5.8 %

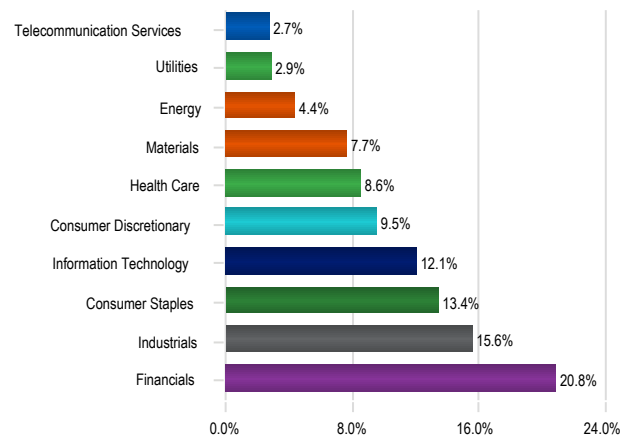
Regional Allocation As of 04/30/2021



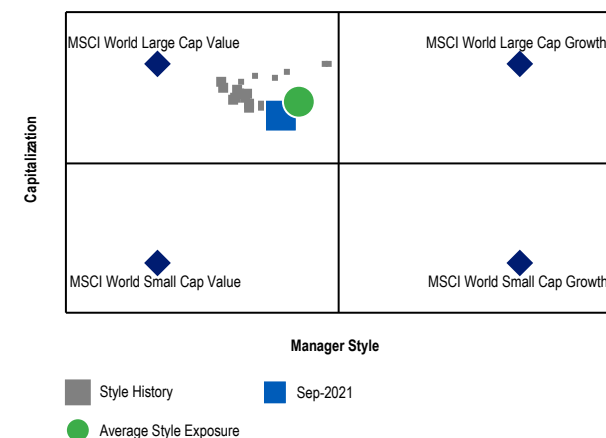
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.8	14.7
Beta	1.0	1.0
Sharpe Ratio	0.6	0.6
Information Ratio	-0.1	-
Tracking Error	1.5	0.0
Consistency	48.3	0.0
Up Market Capture	99.5	100.0
Down Market Capture	100.4	100.0
R-Squared	1.0	1.0

Sector Allocation As of 04/30/2021



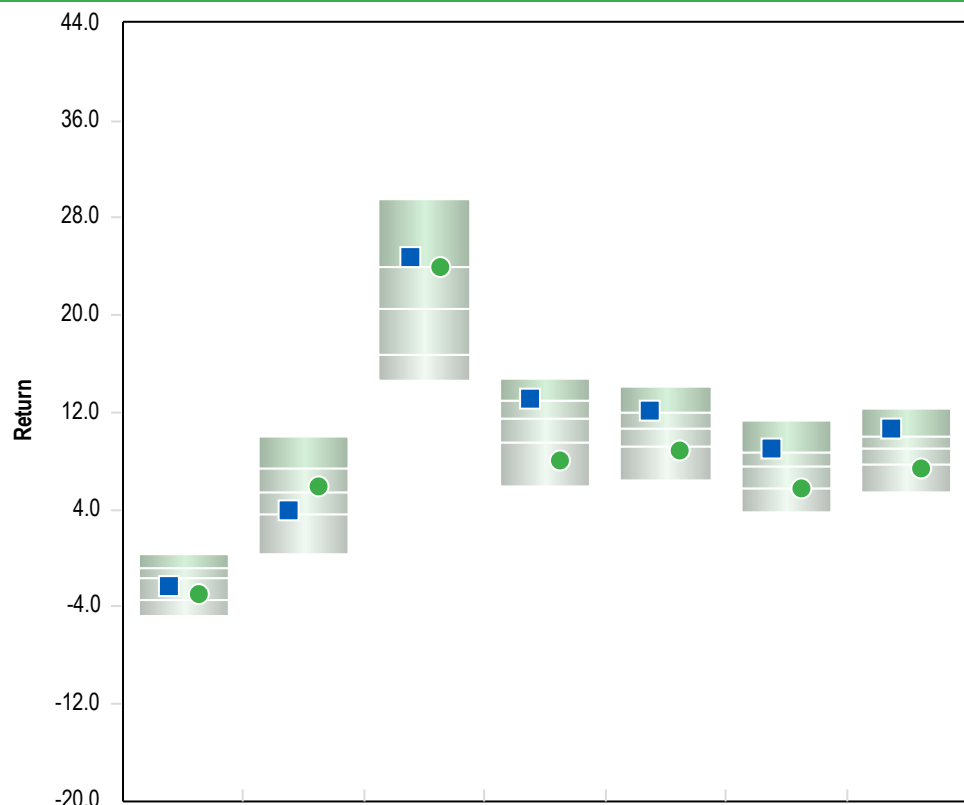
Style Map - 36 Months



Fund Objective

The Fund seeks to track the performance of a benchmark index that measures the investment return of stocks issued by companies located in developed and emerging markets, excluding the United States.

IM International Large Cap Growth Equity (MF)



■ American Funds Europacific Growth
● MSCI AC World ex USA (Net)

5th Percentile	0.3	10.1	29.6	14.9	14.1	11.3	12.3
1st Quartile	-0.7	7.4	24.0	13.0	12.0	8.6	10.0
Median	-1.7	5.5	20.6	11.5	10.8	7.5	9.1
3rd Quartile	-3.4	3.6	16.7	9.6	9.2	5.7	7.7
95th Percentile	-4.7	0.3	14.7	5.9	6.5	3.8	5.5
Population	229	219	215	189	153	134	116

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	13.4	13.5
Minimum Return	-14.7	-14.5
Return	13.2	8.0
Cumulative Return	45.1	26.1
Active Return	4.9	0.0
Excess Return	13.1	8.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	114.4	100.0
Down Market Capture	95.7	100.0

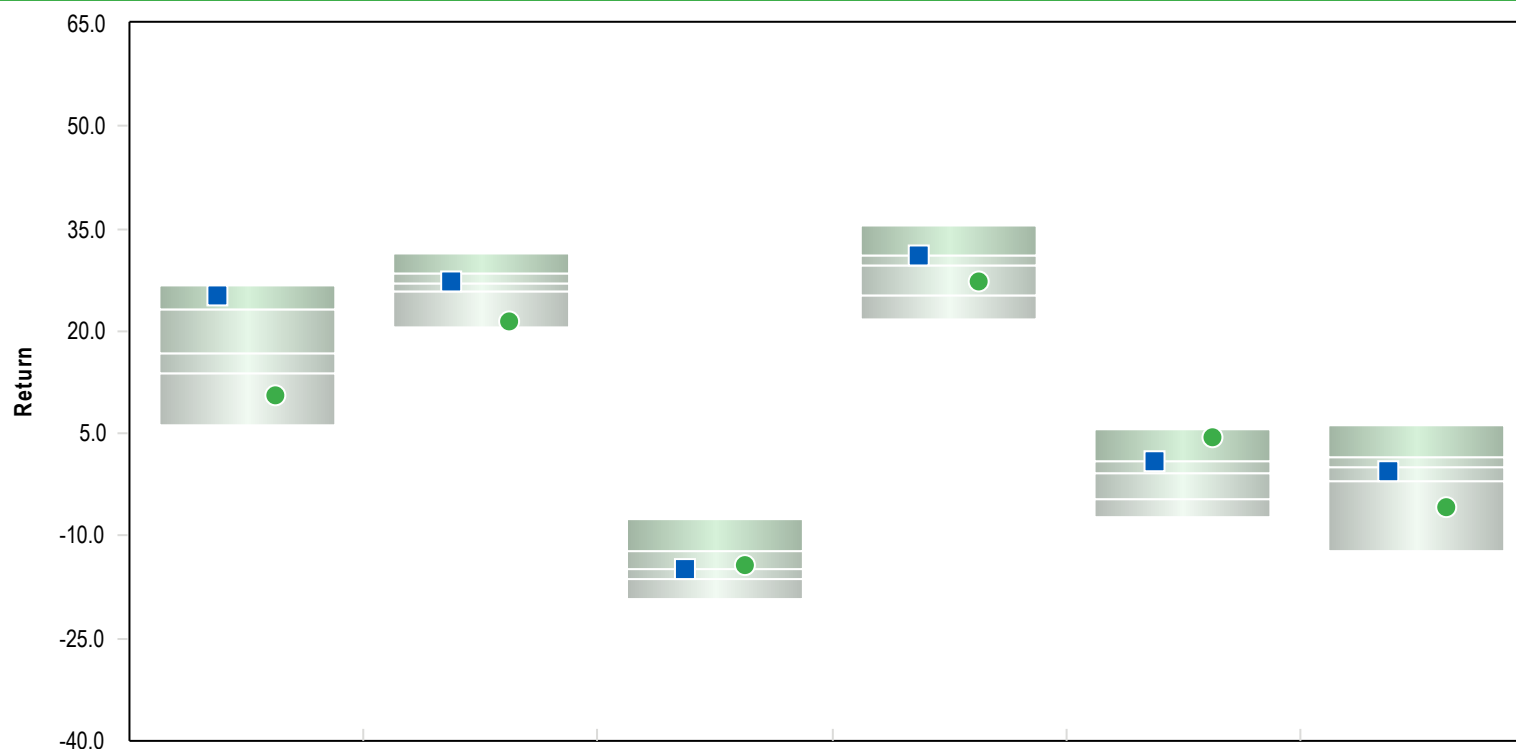
Risk / Return Summary Statistics

Standard Deviation	18.6	17.5
Alpha	4.6	0.0
Active Return/Risk	0.3	0.0
Tracking Error	3.6	0.0
Information Ratio	1.4	-
Sharpe Ratio	0.7	0.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM International Large Cap Growth Equity (MF)



■ American Funds Europacific Growth

● MSCI AC World ex USA (Net)

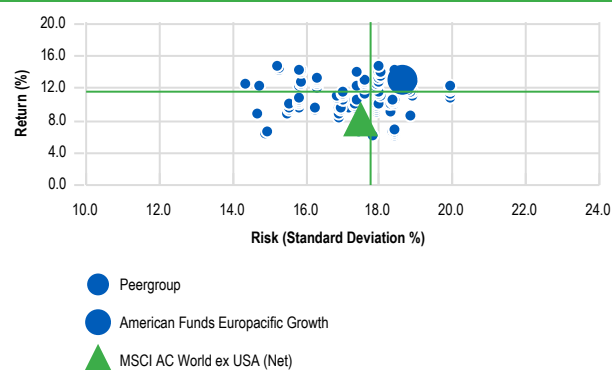
	2020	2019	2018	2017	2016	2015
American Funds Europacific Growth	25.3 (10)	27.4 (41)	-14.9 (48)	31.2 (24)	1.0 (25)	-0.5 (56)
MSCI AC World ex USA (Net)	10.7 (86)	21.5 (94)	-14.2 (43)	27.2 (65)	4.5 (10)	-5.7 (90)
5th Percentile	26.8	31.5	-7.6	35.3	5.5	6.3
1st Quartile	23.2	28.3	-12.3	31.1	1.0	1.7
Median	16.7	27.0	-15.0	29.5	-0.9	0.0
3rd Quartile	13.8	25.8	-16.3	25.2	-4.5	-2.0
95th Percentile	6.3	20.6	-19.2	21.8	-7.2	-12.1
Population	218	203	202	190	174	155

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

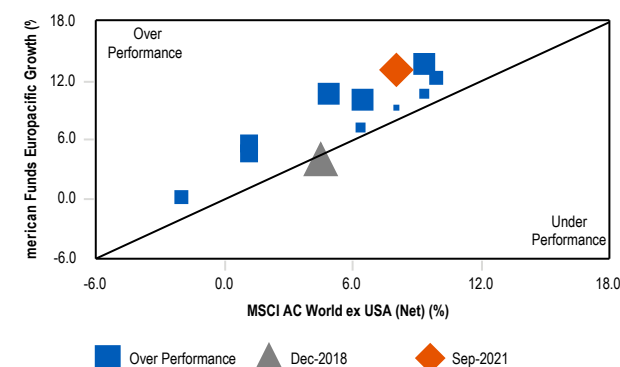
Fund Information

Product Name : American Funds EuPc;R6 (RERGX)
 Fund Family : American Funds
 Ticker : RERGX
 Peer Group : IM International Large Cap Growth Equity (MF)
 Benchmark : MSCI AC World ex USA (Net)
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$92,069 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.5%
 Net Expense : 0.5%
 Turnover : 32%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



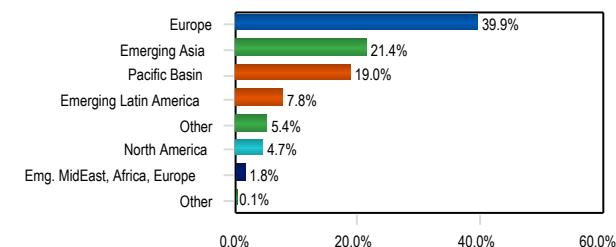
Fund Characteristics As of 03/31/2021

Total Securities : 355
 Avg. Market Cap : \$111,844 Million
 P/E : 40.6
 P/B : 7.5
 Div. Yield : 1.5%
 Annual EPS : 13.4
 5Yr EPS : 15.9
 3Yr EPS Growth : 13.1

Top 5 Countries As of 03/31/2021

Japan : 11.4 %
 China : 9.3 %
 Netherlands : 8.4 %
 India : 7.8 %
 France : 7.1 %

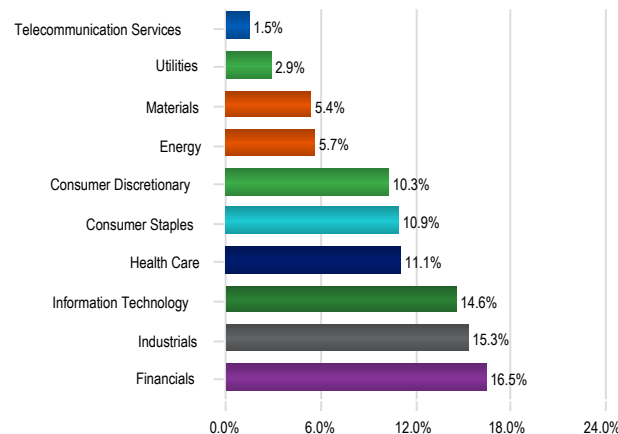
Regional Allocation As of 03/31/2021



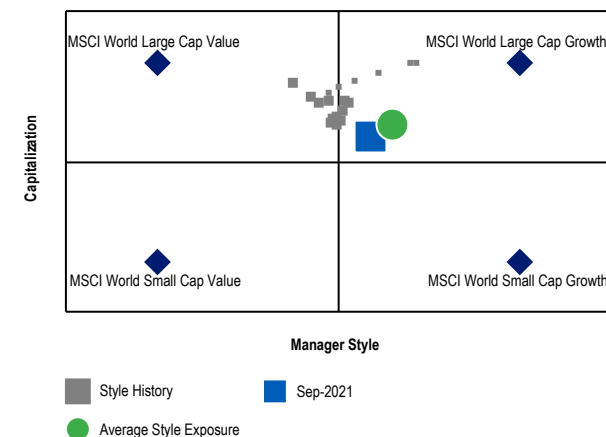
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.5	14.5
Beta	1.0	1.0
Sharpe Ratio	0.7	0.6
Information Ratio	0.9	-
Tracking Error	3.5	0.0
Consistency	58.3	0.0
Up Market Capture	109.3	100.0
Down Market Capture	94.6	100.0
R-Squared	1.0	1.0

Sector Allocation As of 03/31/2021



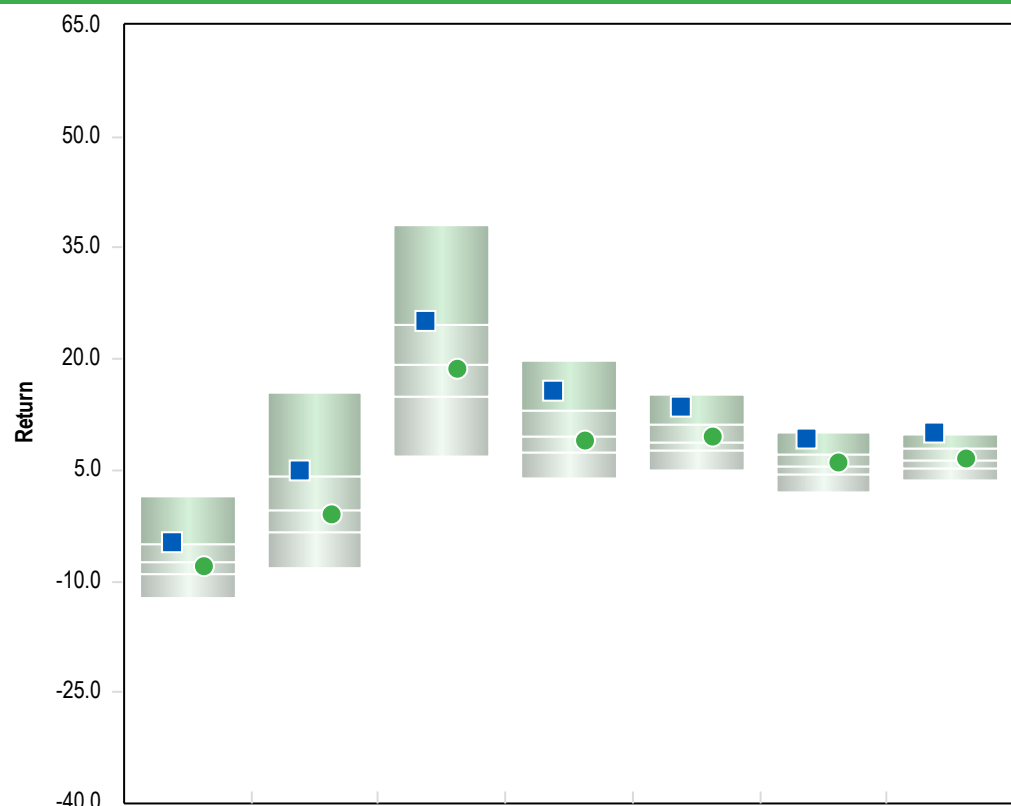
Style Map - 36 Months



Fund Objective

The Fund seeks to provide long-term growth of capital by investing in companies based outside the United States. The Fund invests in companies based chiefly in Europe and the Pacific Basin, ranging from small firms to large corporations.

IM Emerging Markets Equity (MF)



■ American Funds New World
● MSCI Emerging Markets Index

5th Percentile	1.5	15.3	38.1	19.7	15.2	10.0	9.7
1st Quartile	-4.9	4.1	24.5	13.1	11.1	7.0	7.8
Median	-7.5	-0.3	19.2	9.5	8.8	5.4	6.2
3rd Quartile	-9.1	-3.4	15.0	7.3	7.5	4.4	5.1
95th Percentile	-12.3	-8.1	6.7	3.8	5.1	1.9	3.5
Population	823	790	778	701	593	482	317

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.9	9.3
Minimum Return	-15.4	-15.4
Return	15.7	9.0
Cumulative Return	54.7	29.4
Active Return	5.8	0.0
Excess Return	15.1	9.3

Risk Summary Statistics

Beta	0.9	1.0
Up Market Capture	104.8	100.0
Down Market Capture	79.8	100.0

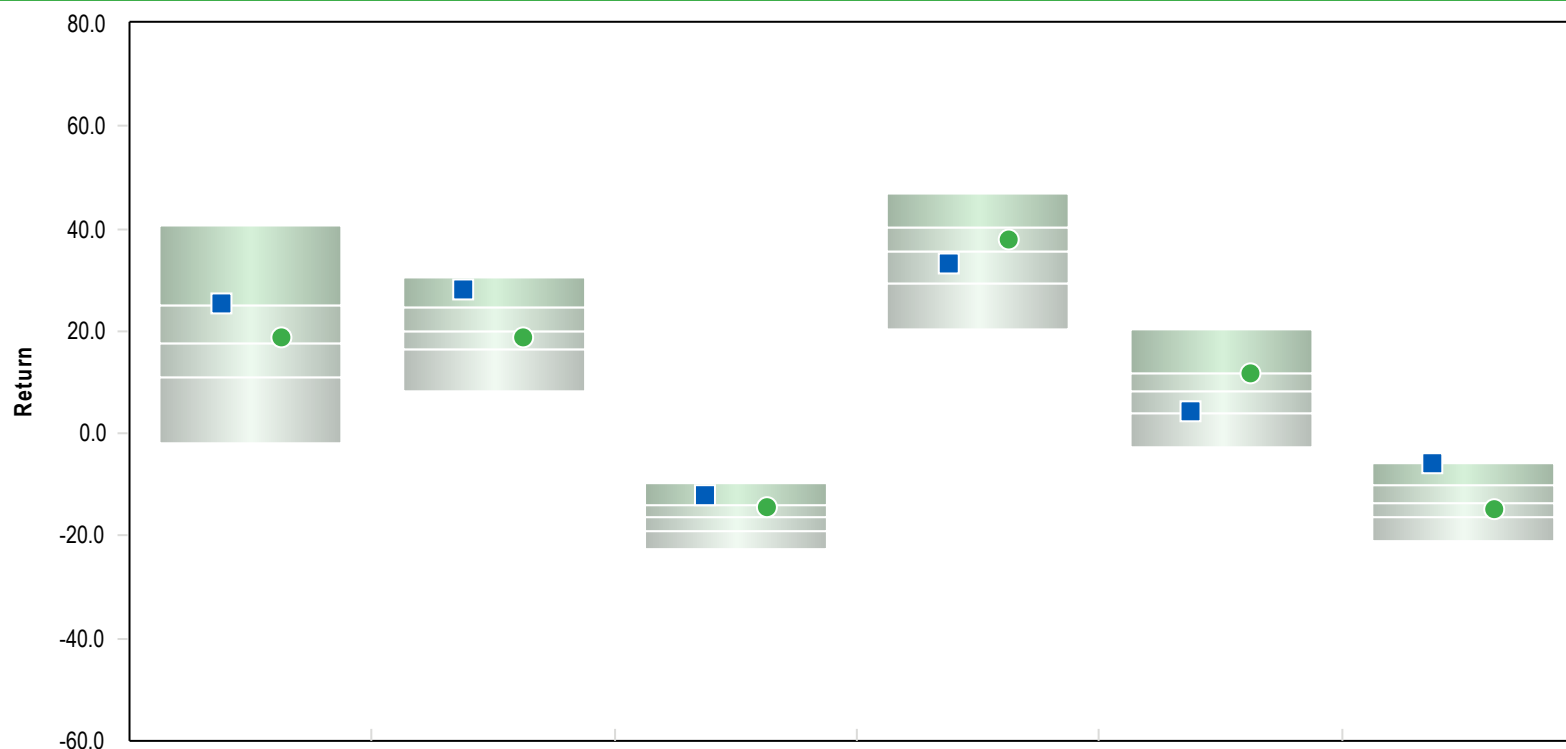
Risk / Return Summary Statistics

Standard Deviation	18.0	19.1
Alpha	7.3	0.0
Active Return/Risk	0.3	0.0
Tracking Error	6.7	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.8	0.5

Correlation Statistics

R-Squared	0.9	1.0
Actual Correlation	0.9	1.0

IM Emerging Markets Equity (MF)



■ American Funds New World
● MSCI Emerging Markets Index

	2020	2019	2018	2017	2016	2015
American Funds New World	25.3 (24)	28.0 (12)	-12.0 (12)	33.1 (62)	4.3 (73)	-5.6 (5)
MSCI Emerging Markets Index	18.7 (44)	18.9 (58)	-14.2 (28)	37.8 (37)	11.6 (27)	-14.6 (61)

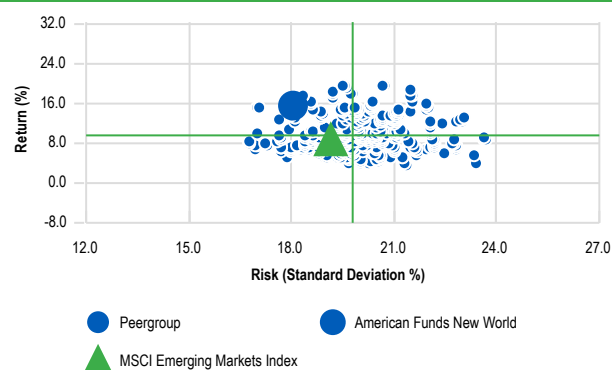
5th Percentile	40.7	30.6	-9.7	46.8	20.2	-5.8
1st Quartile	24.9	24.5	-14.0	40.4	11.8	-10.0
Median	17.5	20.1	-16.4	35.4	8.4	-13.7
3rd Quartile	10.8	16.3	-19.0	29.4	4.0	-16.2
95th Percentile	-1.9	8.1	-22.6	20.4	-2.7	-20.9
Population	805	847	844	814	750	656

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

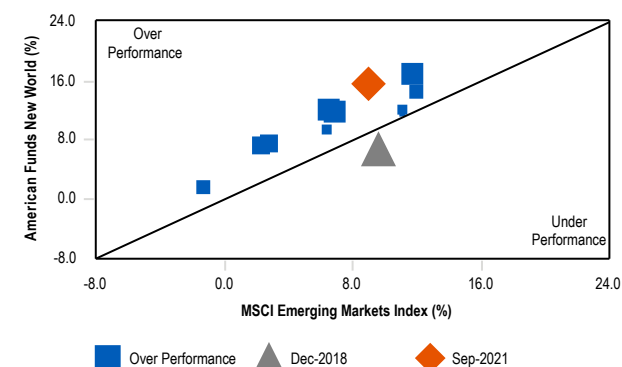
Fund Information

Product Name : American Funds NWld;R6 (RNWGX)
 Fund Family : American Funds
 Ticker : RNWGX
 Peer Group : IM Emerging Markets Equity (MF)
 Benchmark : MSCI Emerging Markets Index
 Fund Inception : 05/01/2009
 Portfolio Manager : Team Managed
 Total Assets : \$9,965 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.6%
 Net Expense : 0.6%
 Turnover : 40%

Peer Group Scattergram - 36 Months



3 Year Rolling Under/Over Performance



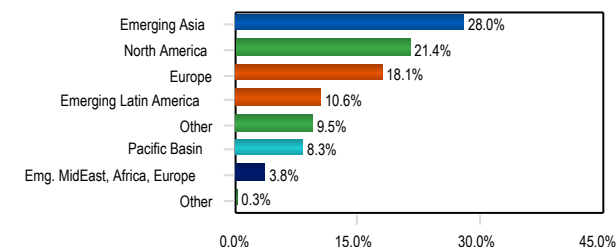
Fund Characteristics As of 03/31/2021

Total Securities 547
 Avg. Market Cap \$179,844 Million
 P/E 40.7
 P/B 8.5
 Div. Yield 1.3%
 Annual EPS 17.5
 5Yr EPS 19.8
 3Yr EPS Growth 16.9

Top 5 Countries As of 03/31/2021

United States 20.3 %
 China 16.3 %
 Unidentified 8.5 %
 India 8.0 %
 Brazil 7.5 %

Regional Allocation As of 03/31/2021



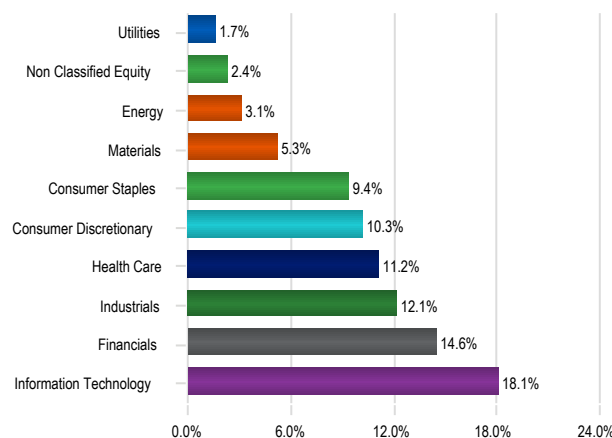
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	15.1	16.5
Beta	0.9	1.0
Sharpe Ratio	0.8	0.6
Information Ratio	0.6	-
Tracking Error	6.0	0.0
Consistency	50.0	0.0
Up Market Capture	96.5	100.0
Down Market Capture	75.2	100.0
R-Squared	0.9	1.0

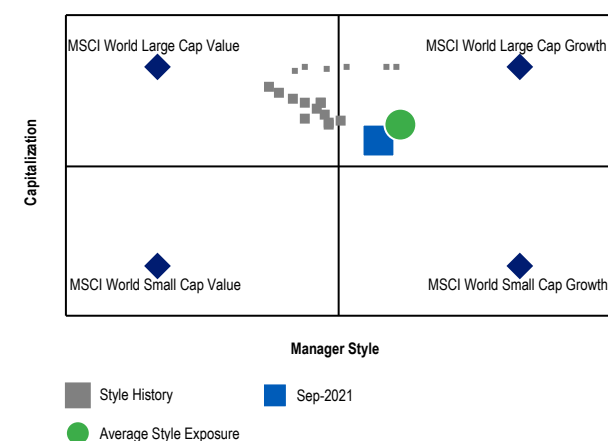
Fund Objective

The Fund seeks long-term capital appreciation. Under normal conditions, the fund invests in common stocks of companies with significant exposure to countries with developing economies and/or markets. The securities markets of these countries may be referred to as emerging markets. It may also invest in junk bonds.

Sector Allocation As of 03/31/2021



Style Map - 36 Months



IM Mixed-Asset Target 2060+ (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Voya Index Solution 2060	-1.2 (47)	11.0 (41)	27.2 (58)	12.4 (38)	12.8 (42)	-	-
S&P Target Date 2060 Index	-0.8 (18)	11.1 (32)	27.3 (55)	11.5 (67)	12.5 (58)	10.1 (71)	12.4 (-)

5th Percentile	-0.4	12.8	29.9	13.8	13.7	10.9	-
1st Quartile	-0.9	11.4	28.5	12.9	13.2	10.7	-
Median	-1.2	10.8	27.6	12.1	12.7	10.4	-
3rd Quartile	-1.4	10.4	25.7	11.2	11.8	10.0	-
95th Percentile	-1.7	9.1	23.6	9.9	10.6	9.3	-

Population	317	301	286	192	114	28	0
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.9	11.5
Minimum Return	-13.6	-13.4
Return	12.4	11.5
Cumulative Return	42.1	38.7
Active Return	0.9	0.0
Excess Return	12.1	11.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	103.4	100.0
Down Market Capture	100.9	100.0

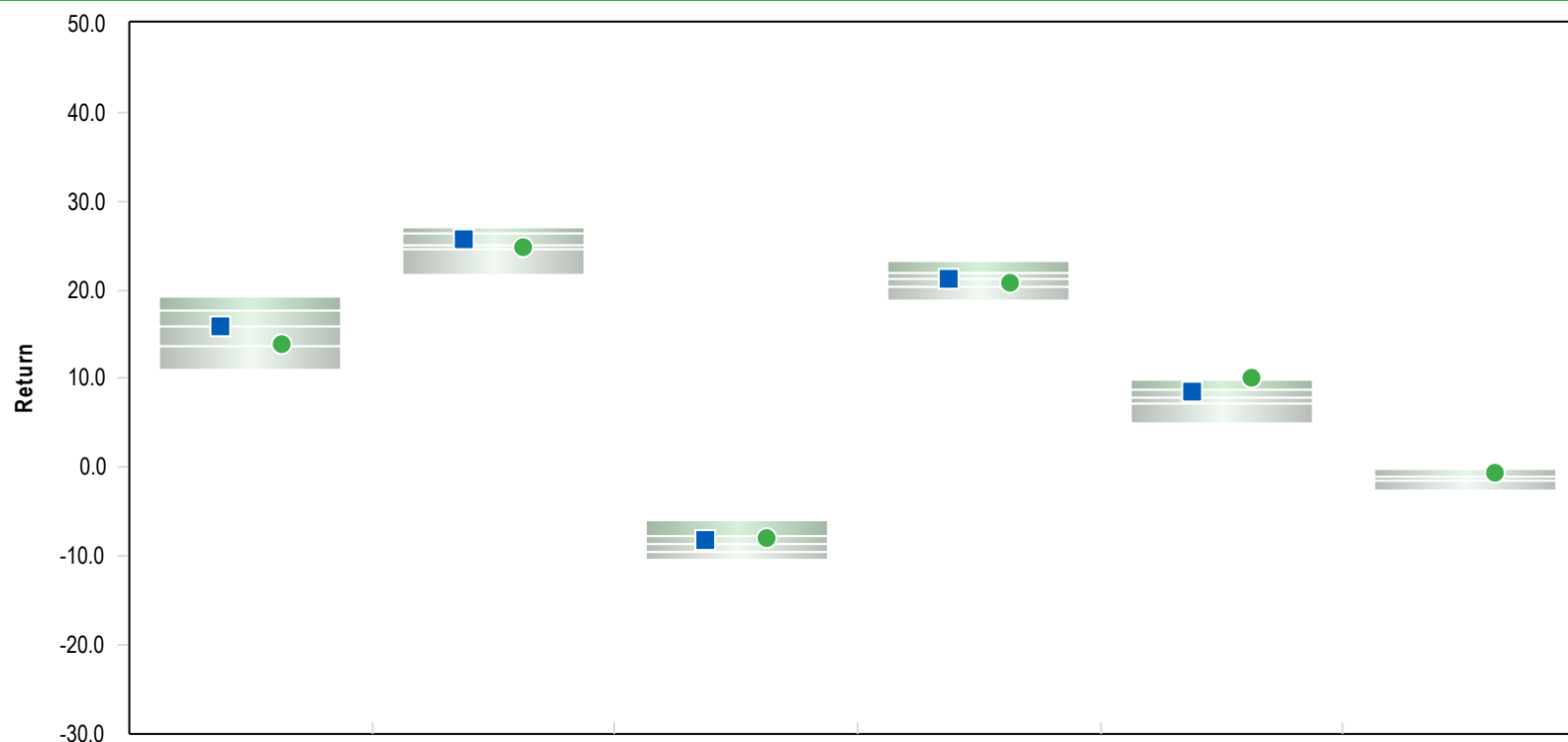
Risk / Return Summary Statistics

Standard Deviation	17.3	16.9
Alpha	0.6	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.9	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2060+ (MF)

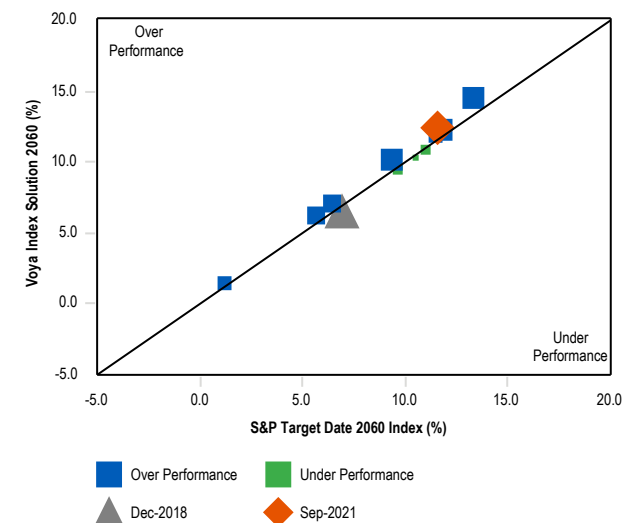


■ Voya Index Solution 2060
● S&P Target Date 2060 Index

	2020	2019	2018	2017	2016	2015
	15.9 (52)	25.6 (37)	-8.3 (43)	21.3 (53)	8.6 (30)	-0.7 (34)
	14.0 (71)	24.7 (68)	-7.9 (35)	20.7 (68)	10.1 (4)	
5th Percentile	19.3	27.1	-5.9	23.2	9.9	0.2
1st Quartile	17.8	26.3	-7.7	21.9	8.8	-0.2
Median	16.0	25.1	-8.7	21.3	7.9	-1.0
3rd Quartile	13.7	24.5	-9.6	20.3	7.2	-1.5
95th Percentile	11.0	21.7	-10.5	18.7	4.9	-2.5
Population	236	206	191	149	92	37

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

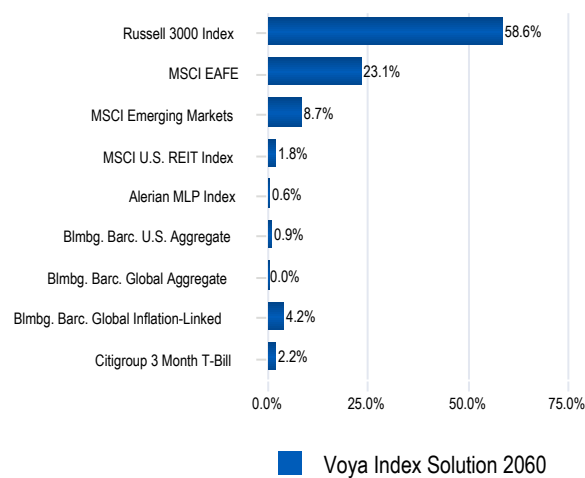
3 Year Rolling Under/Over Performance



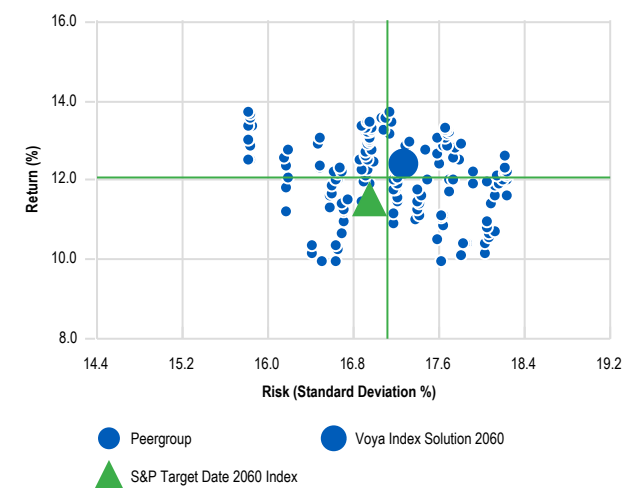
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.9	13.6
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	0.3	-
Tracking Error	0.9	0.0
Consistency	51.7	0.0
Up Market Capture	102.1	100.0
Down Market Capture	101.7	100.0
R-Squared	1.0	1.0

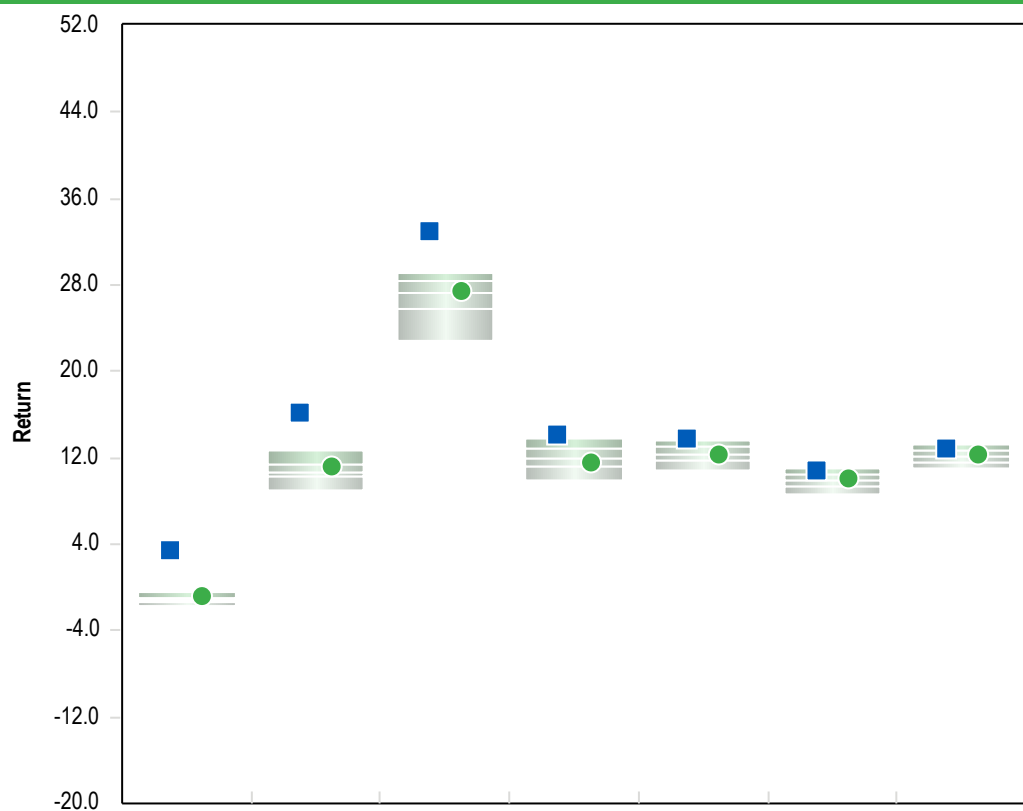
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2055 (MF)



■ Voya Index Solution 2055
● S&P Target Date 2055 Index

5th Percentile	-0.5	12.6	29.1	13.8	13.6	11.0	13.2
1st Quartile	-1.0	11.4	28.3	12.9	13.0	10.5	12.7
Median	-1.2	10.7	27.3	12.0	12.4	9.9	12.1
3rd Quartile	-1.4	10.2	25.7	11.3	11.7	9.3	11.6
95th Percentile	-1.7	9.0	22.8	9.9	10.9	8.6	11.0
Population	214	204	204	190	147	108	56

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.8	11.5
Minimum Return	-13.5	-13.4
Return	14.1	11.5
Cumulative Return	48.4	38.6
Active Return	2.4	0.0
Excess Return	13.6	11.2

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	108.6	100.0
Down Market Capture	101.0	100.0

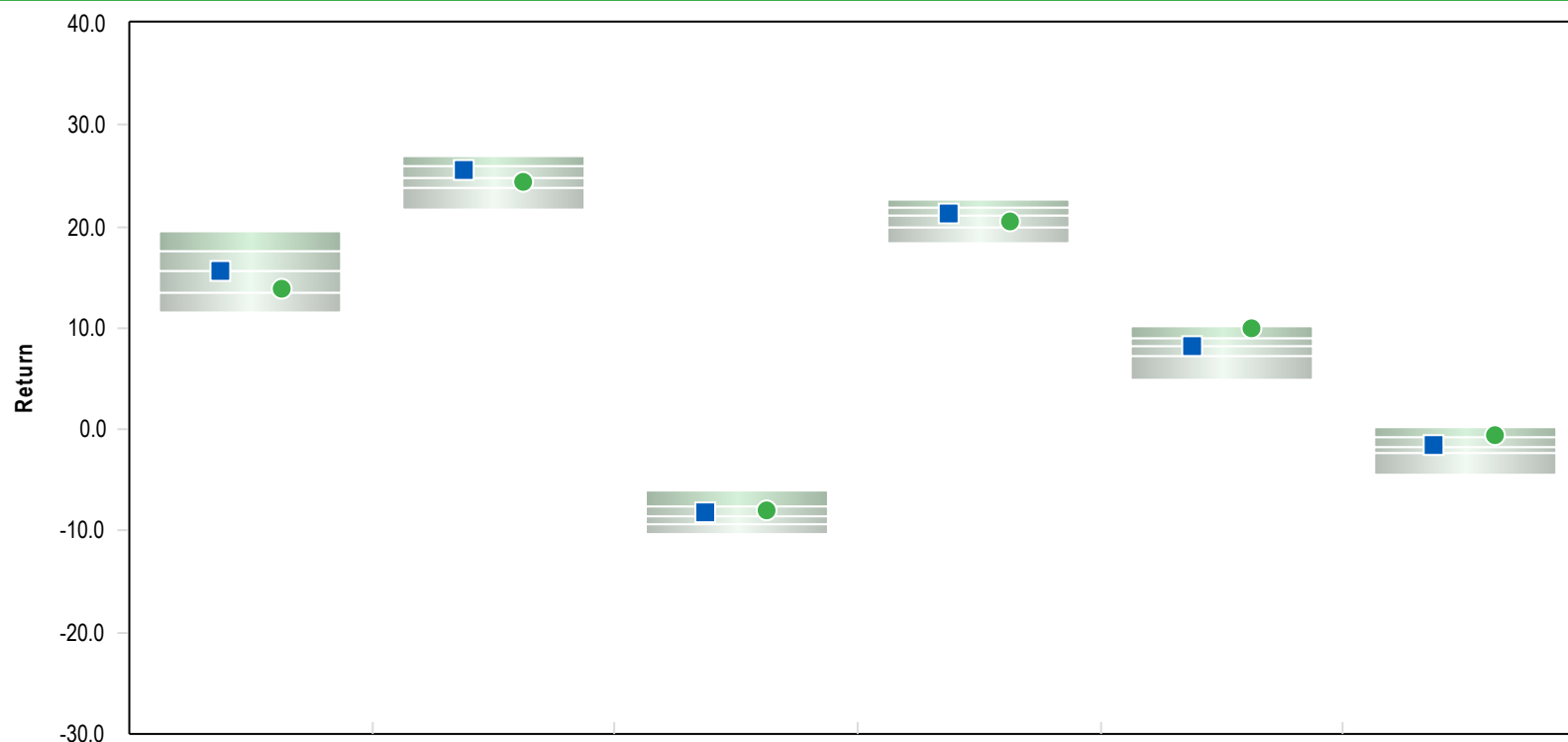
Risk / Return Summary Statistics

Standard Deviation	17.3	16.9
Alpha	2.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	2.8	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2055 (MF)

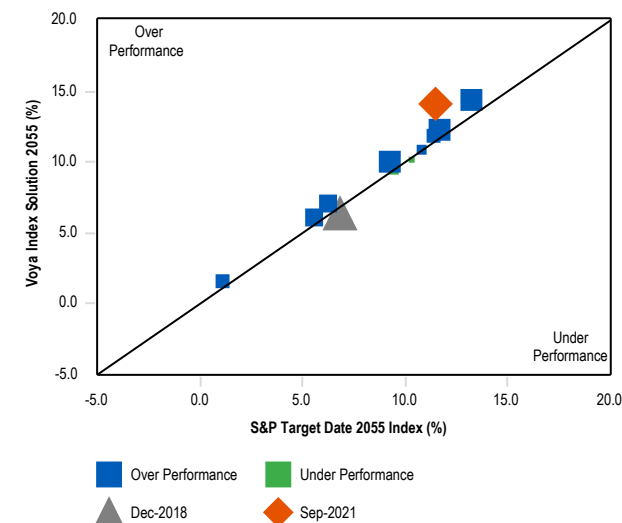


■ Voya Index Solution 2055
 ● S&P Target Date 2055 Index

5th Percentile	19.5	26.9	-6.0	22.6	10.2	0.2
1st Quartile	17.6	25.9	-7.6	21.8	9.1	-0.8
Median	15.6	24.9	-8.5	21.1	8.2	-1.7
3rd Quartile	13.4	23.8	-9.3	20.0	7.2	-2.4
95th Percentile	11.6	21.7	-10.3	18.3	4.9	-4.4
Population	196	219	209	193	173	150

Parentheses contain percentile rankings.
 Calculation based on monthly periodicity.

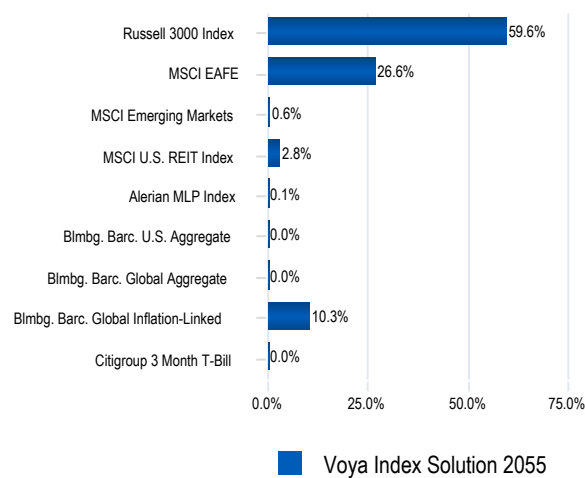
3 Year Rolling Under/Over Performance



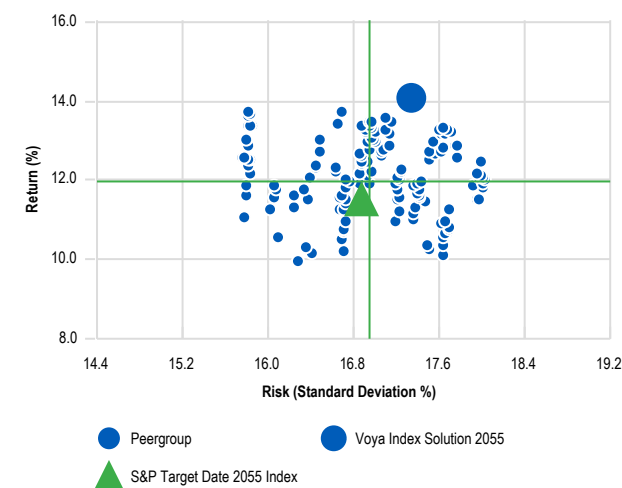
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	14.0	13.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.6	-
Tracking Error	2.2	0.0
Consistency	56.7	0.0
Up Market Capture	106.3	100.0
Down Market Capture	102.0	100.0
R-Squared	1.0	1.0

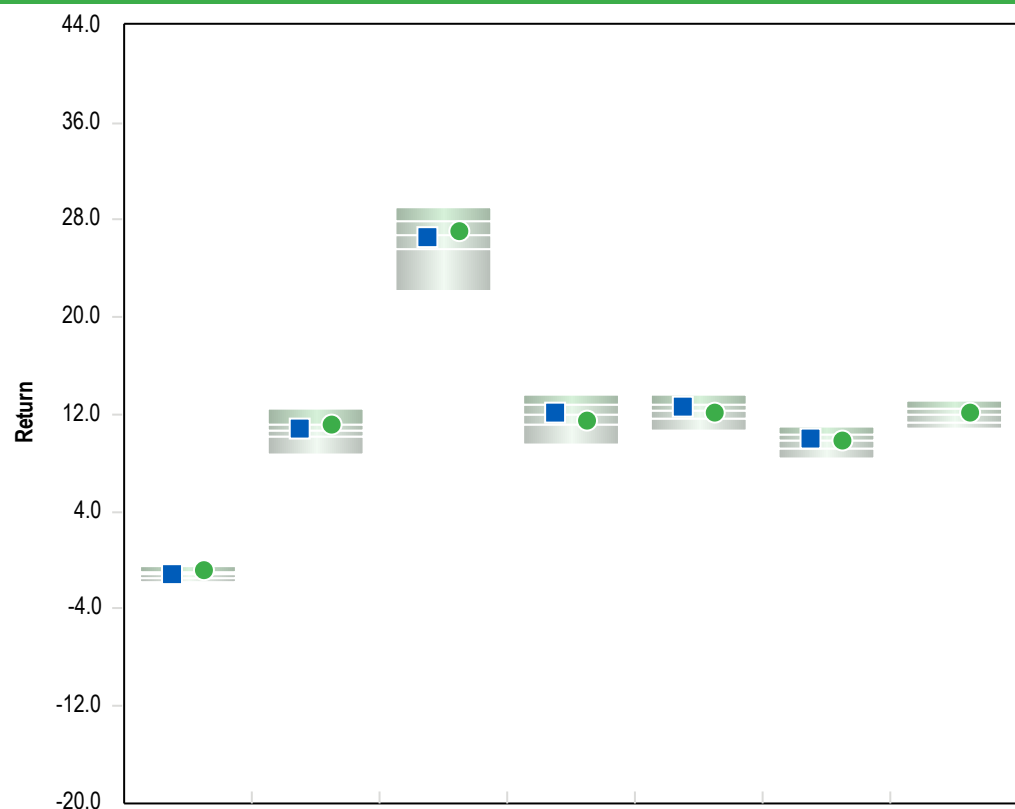
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2050 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Voya Index Solution 2050	-1.2 (48)	10.8 (44)	26.6 (54)	12.2 (40)	12.6 (41)	10.0 (44)	-
● S&P Target Date 2050+ Index	-0.8 (16)	11.1 (28)	27.1 (45)	11.4 (68)	12.2 (53)	9.9 (46)	12.2 (40)

5th Percentile	-0.4	12.5	29.1	13.7	13.6	11.0	13.2
1st Quartile	-0.9	11.2	27.9	12.8	12.9	10.3	12.4
Median	-1.2	10.6	26.8	12.0	12.3	9.8	12.0
3rd Quartile	-1.4	10.1	25.7	11.2	11.7	9.1	11.4
95th Percentile	-1.7	8.8	22.2	9.6	10.6	8.3	10.9

Population	216	206	206	192	152	116	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.7	11.4
Minimum Return	-13.3	-13.2
Return	12.2	11.4
Cumulative Return	41.4	38.4
Active Return	0.8	0.0
Excess Return	11.9	11.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	103.3	100.0
Down Market Capture	101.2	100.0

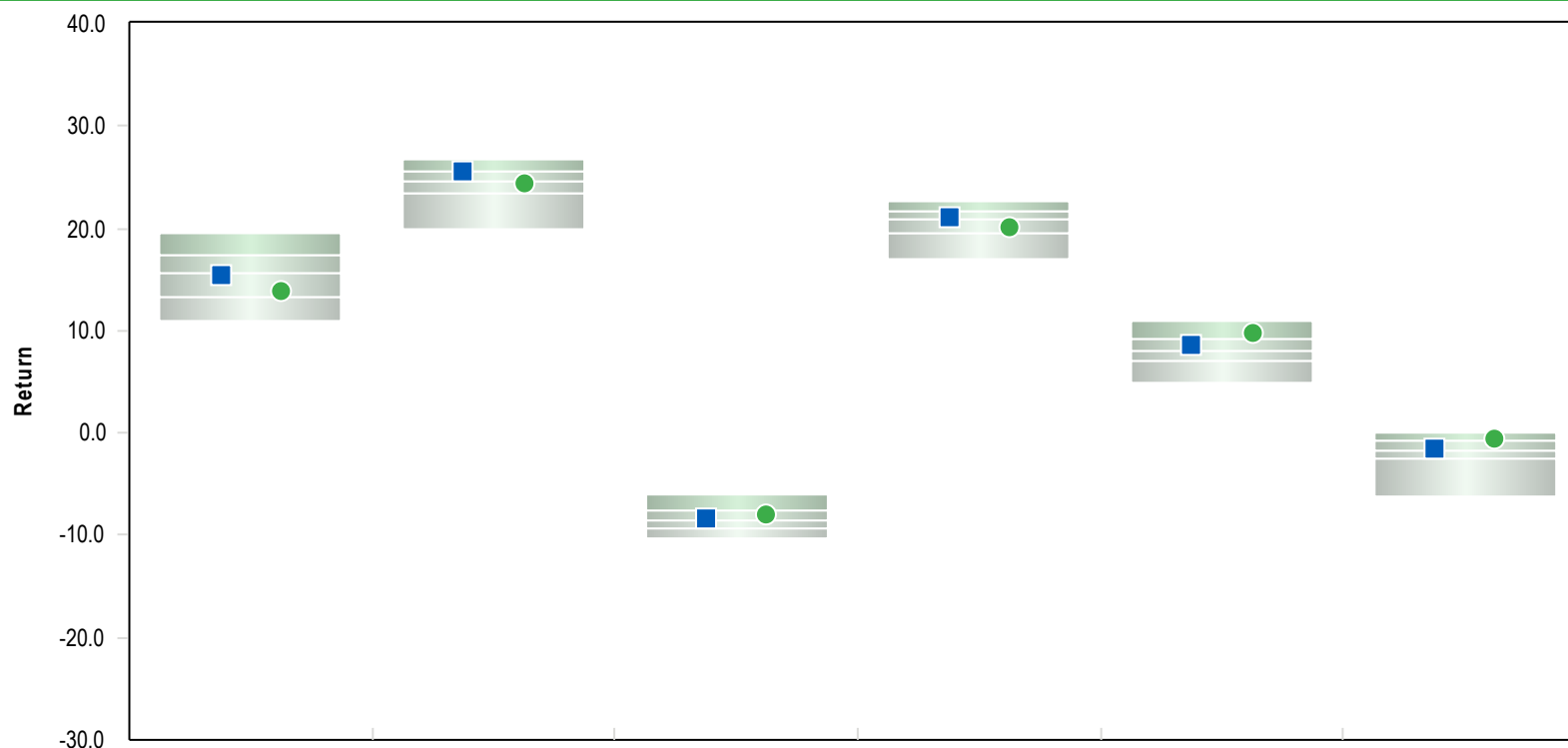
Risk / Return Summary Statistics

Standard Deviation	17.0	16.7
Alpha	0.6	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.8	0.0
Information Ratio	0.9	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2050 (MF)



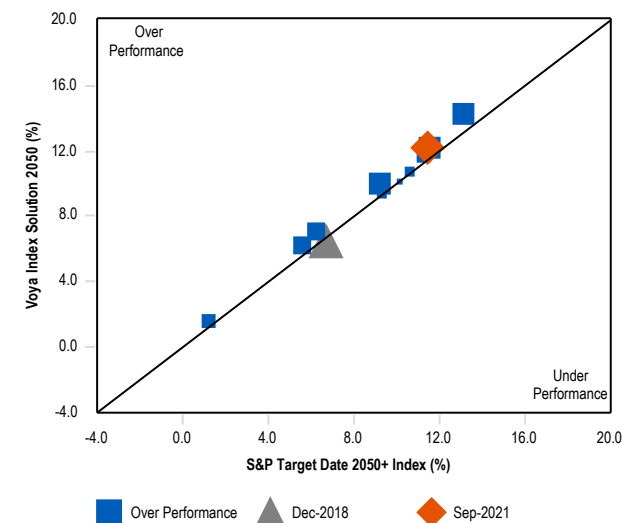
■ Voya Index Solution 2050

● S&P Target Date 2050+ Index

	2020	2019	2018	2017	2016	2015
	15.5 (52)	25.6 (28)	-8.3 (43)	21.0 (46)	8.6 (39)	-1.5 (47)
	13.9 (65)	24.4 (60)	-7.9 (35)	20.2 (67)	9.7 (14)	-0.5 (16)
5th Percentile	19.5	26.7	-5.9	22.6	10.9	0.1
1st Quartile	17.4	25.6	-7.6	21.6	9.1	-0.8
Median	15.5	24.7	-8.5	20.8	8.1	-1.6
3rd Quartile	13.3	23.4	-9.3	19.6	7.1	-2.5
95th Percentile	10.9	19.9	-10.2	16.9	4.9	-6.2
Population	206	231	229	218	192	174

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

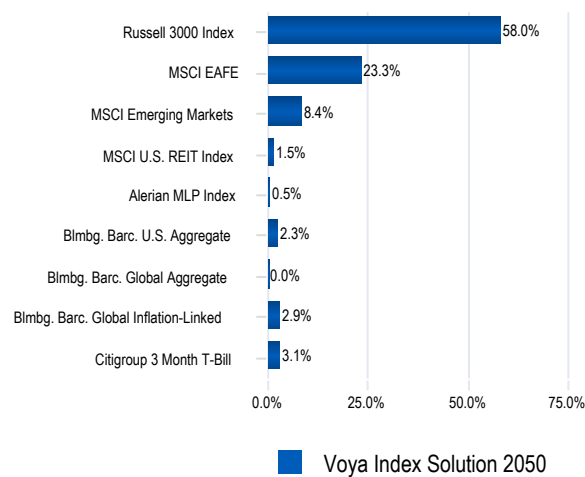
3 Year Rolling Under/Over Performance



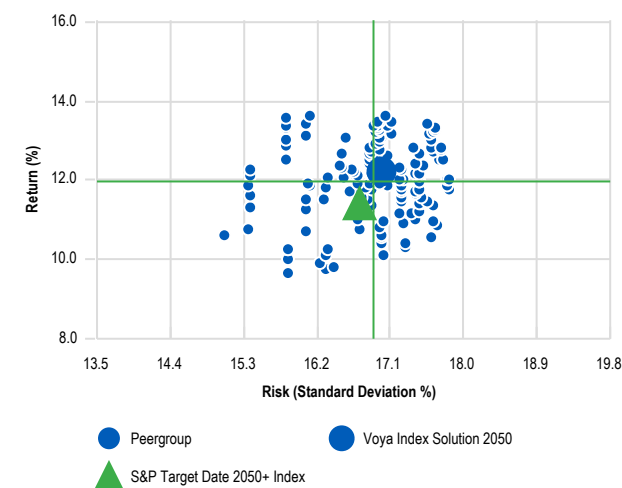
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.7	13.4
Beta	1.0	1.0
Sharpe Ratio	0.8	0.8
Information Ratio	0.5	-
Tracking Error	0.9	0.0
Consistency	53.3	0.0
Up Market Capture	102.7	100.0
Down Market Capture	102.2	100.0
R-Squared	1.0	1.0

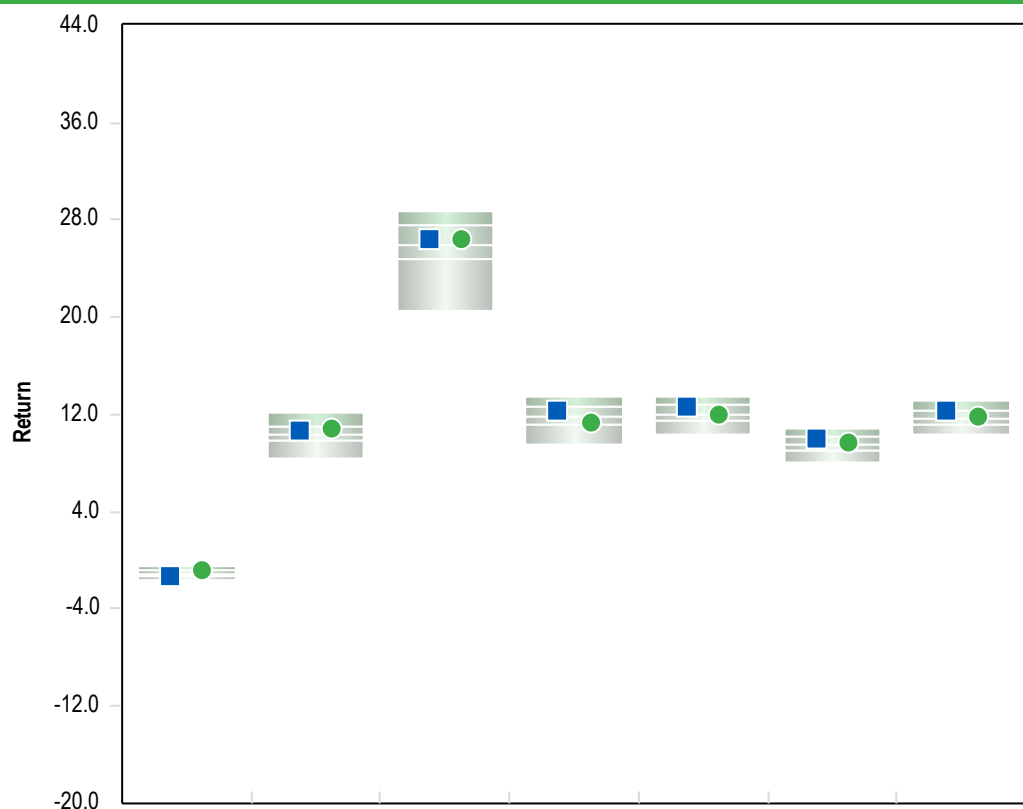
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2045 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Voya Index Solution 2045	-1.2 (58)	10.7 (39)	26.5 (44)	12.3 (35)	12.6 (31)	10.0 (40)	12.3 (25)
S&P Target Date 2045 Index	-0.8 (19)	10.8 (32)	26.4 (45)	11.3 (69)	11.9 (55)	9.7 (45)	11.9 (39)

5th Percentile	-0.4	12.1	28.7	13.5	13.4	10.8	13.1
1st Quartile	-0.9	11.0	27.6	12.7	12.8	10.2	12.3
Median	-1.1	10.4	25.9	11.9	12.1	9.6	11.7
3rd Quartile	-1.4	9.9	24.8	11.1	11.5	9.0	11.2
95th Percentile	-1.7	8.3	20.6	9.5	10.4	8.1	10.3

Population	214	204	204	190	149	114	76
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.6	11.1
Minimum Return	-13.0	-13.0
Return	12.3	11.3
Cumulative Return	41.7	37.9
Active Return	1.0	0.0
Excess Return	11.9	10.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.4	100.0
Down Market Capture	101.7	100.0

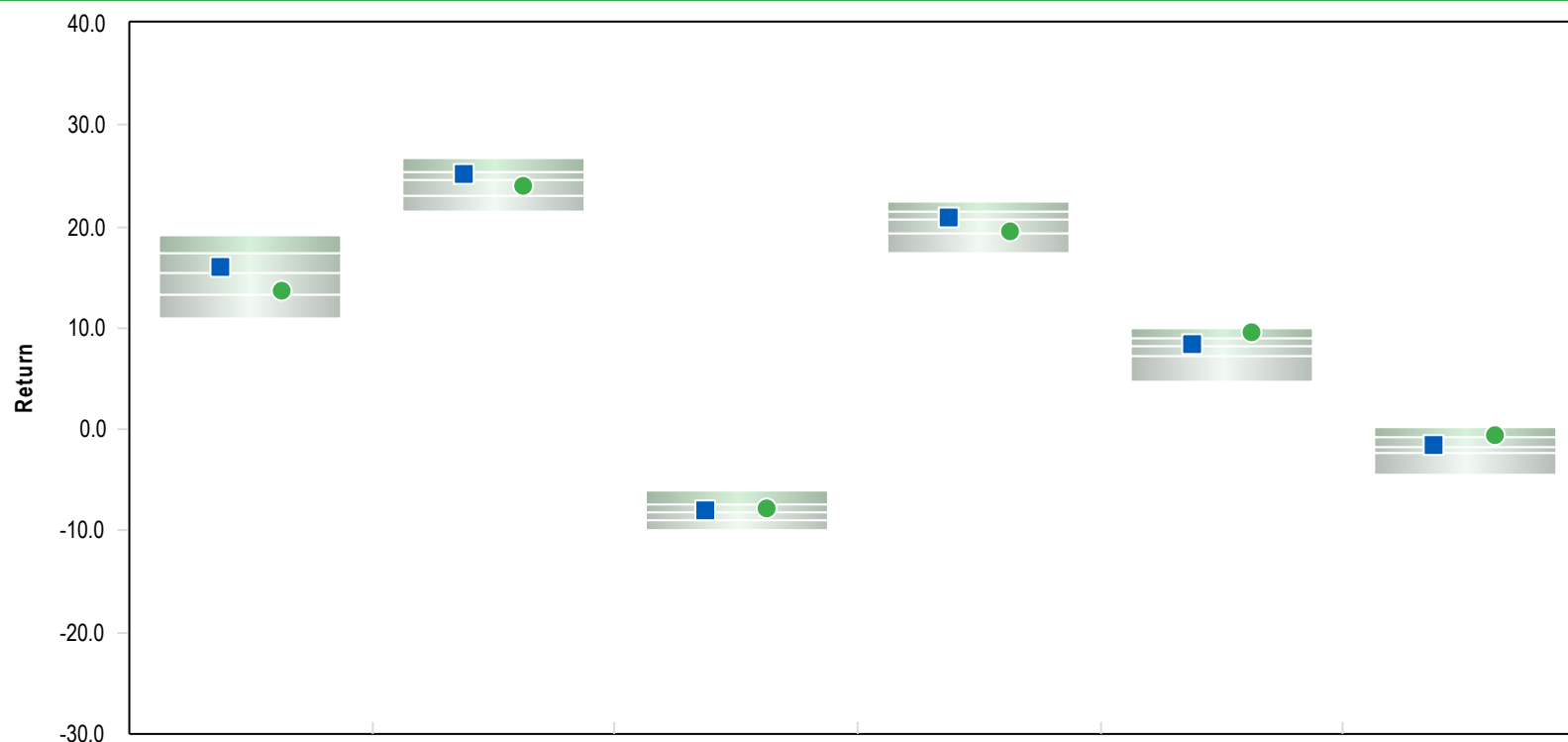
Risk / Return Summary Statistics

Standard Deviation	16.8	16.4
Alpha	0.7	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.9	0.0
Information Ratio	1.1	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2045 (MF)

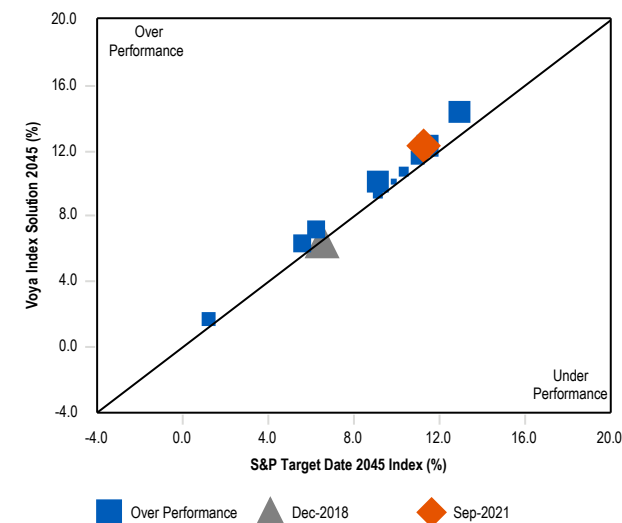


■ Voya Index Solution 2045
● S&P Target Date 2045 Index

5th Percentile	19.2	26.7	-5.9	22.5	10.1	0.1
1st Quartile	17.3	25.5	-7.4	21.4	9.1	-0.8
Median	15.4	24.6	-8.2	20.6	8.1	-1.7
3rd Quartile	13.3	23.1	-9.0	19.3	7.1	-2.4
95th Percentile	10.9	21.5	-10.0	17.3	4.7	-4.5
Population	196	219	209	195	175	155

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

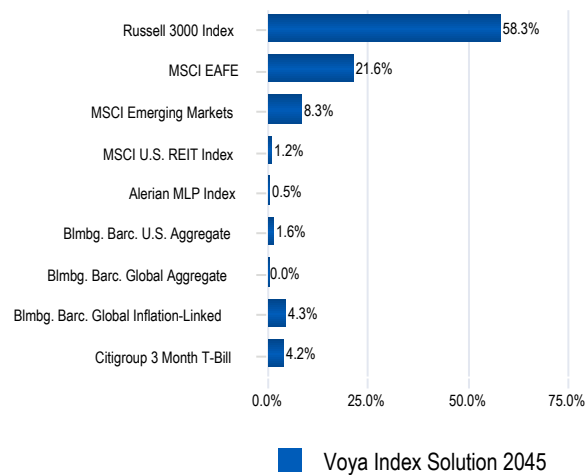
3 Year Rolling Under/Over Performance



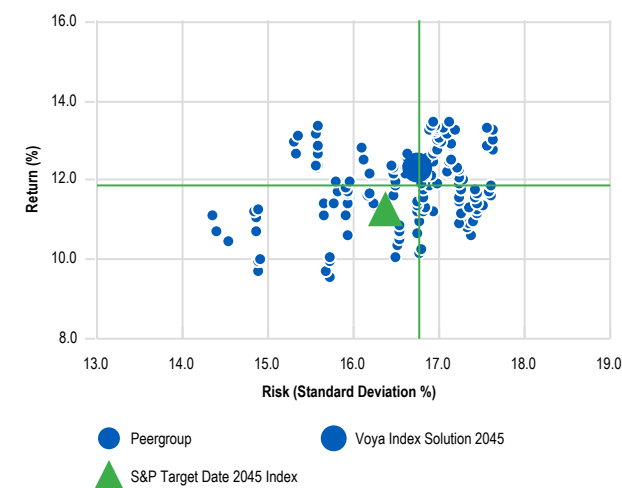
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	13.5	13.2
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.7	-
Tracking Error	0.9	0.0
Consistency	51.7	0.0
Up Market Capture	104.2	100.0
Down Market Capture	102.7	100.0
R-Squared	1.0	1.0

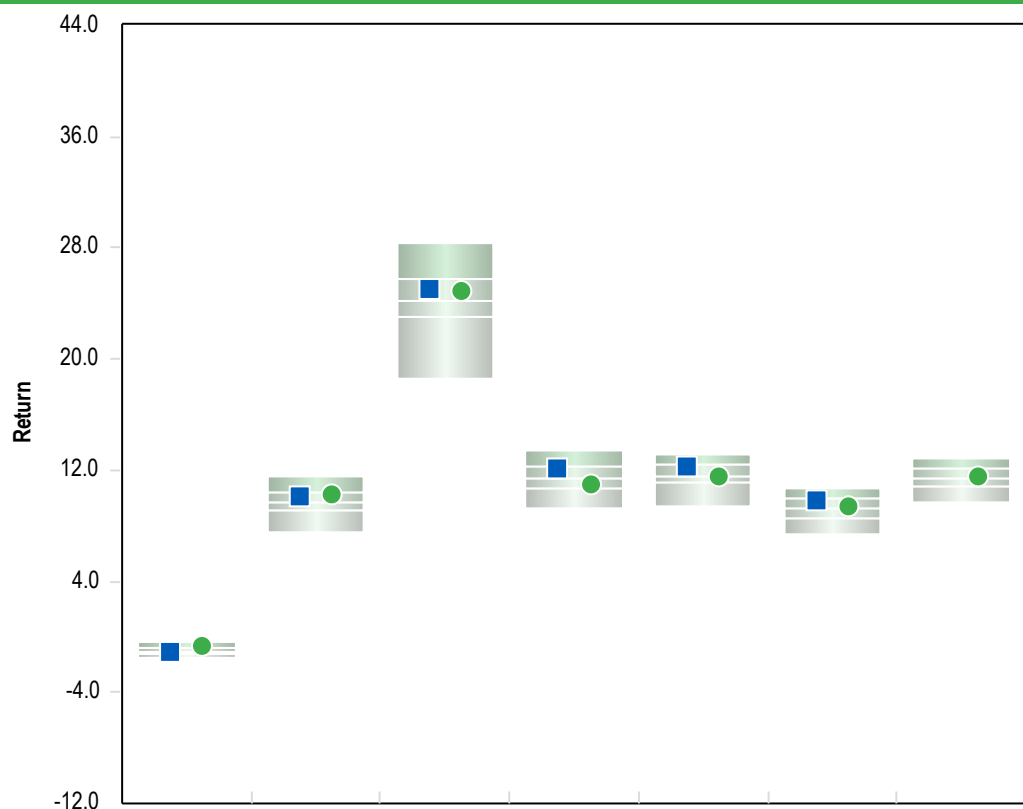
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2040 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Voya Index Solution 2040	-1.0 (50)	10.1 (32)	25.0 (36)	12.1 (29)	12.3 (27)	9.8 (36)	-
S&P Target Date 2040 Index	-0.7 (23)	10.2 (29)	25.0 (36)	11.0 (64)	11.5 (53)	9.5 (43)	11.5 (43)

5th Percentile	-0.3	11.5	28.3	13.4	13.2	10.6	12.9
1st Quartile	-0.7	10.4	25.8	12.3	12.3	10.0	12.1
Median	-1.0	9.7	24.1	11.4	11.6	9.3	11.4
3rd Quartile	-1.3	9.1	23.0	10.6	11.1	8.6	10.8
95th Percentile	-1.5	7.5	18.7	9.2	9.4	7.4	9.7

Population	228	212	210	196	152	116	84
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	11.0	10.6
Minimum Return	-12.2	-12.5
Return	12.1	11.0
Cumulative Return	40.9	36.7
Active Return	1.0	0.0
Excess Return	11.6	10.5

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	103.2	100.0
Down Market Capture	99.1	100.0

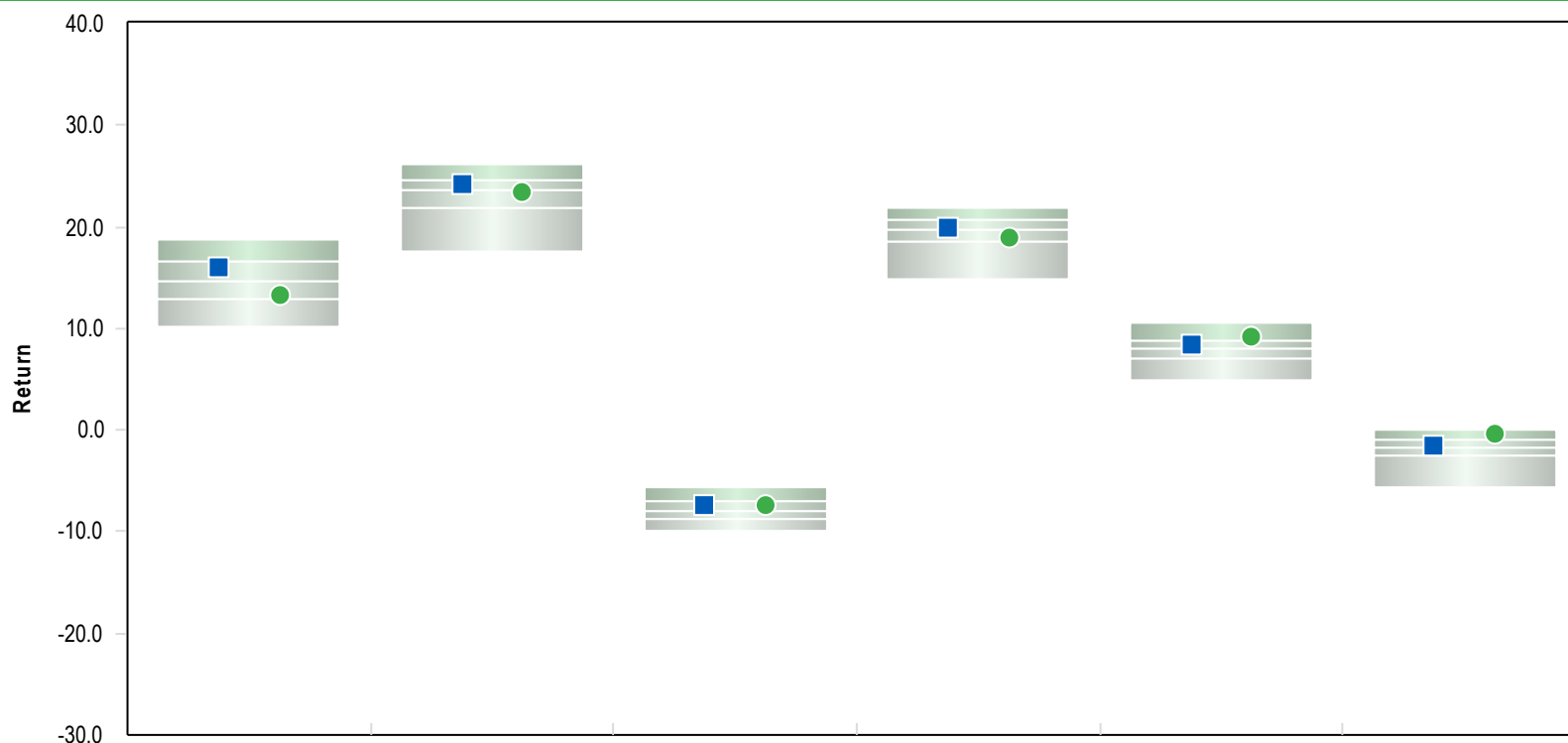
Risk / Return Summary Statistics

Standard Deviation	15.8	15.7
Alpha	1.0	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.9	0.0
Information Ratio	1.2	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2040 (MF)

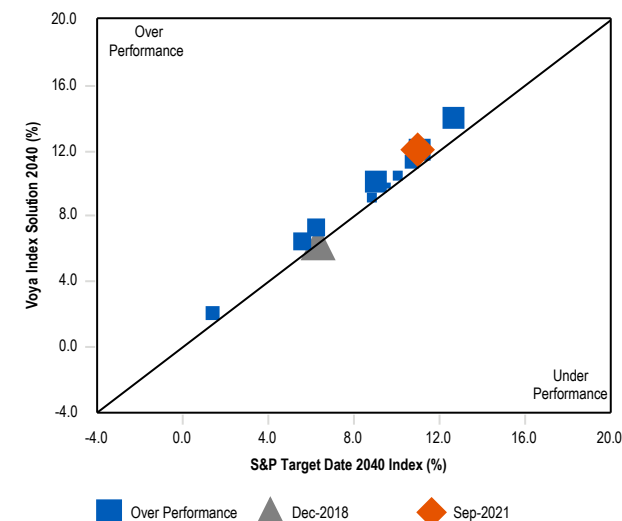


■ Voya Index Solution 2040
● S&P Target Date 2040 Index

5th Percentile	18.7	26.2	-5.6	21.8	10.6	0.1
1st Quartile	16.7	24.5	-7.1	20.8	8.7	-0.9
Median	14.7	23.6	-8.0	19.7	7.9	-1.7
3rd Quartile	12.8	21.9	-8.7	18.5	7.0	-2.5
95th Percentile	10.1	17.5	-9.8	14.9	4.8	-5.6
Population	211	235	229	222	197	179

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

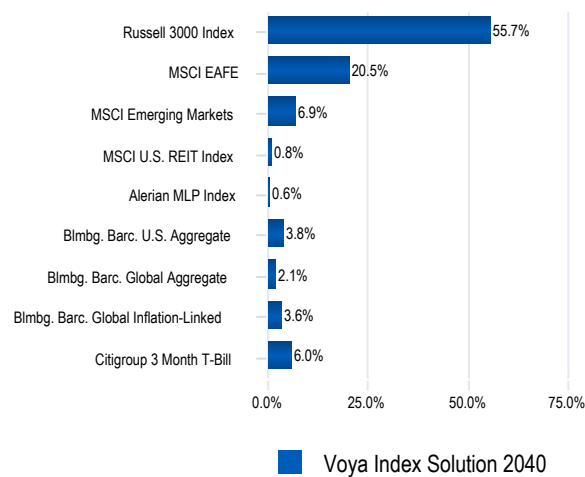
3 Year Rolling Under/Over Performance



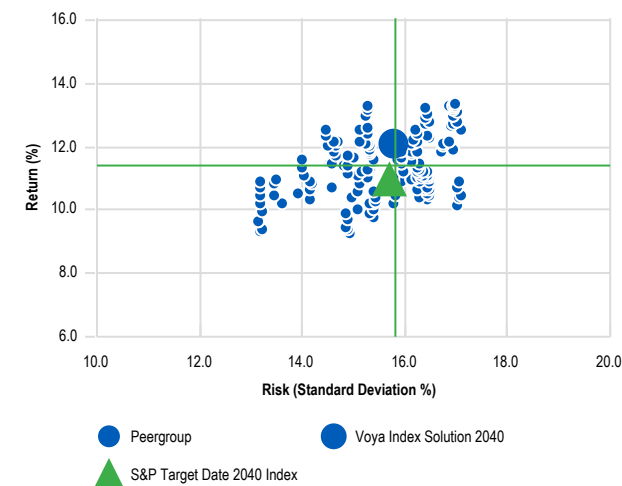
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	12.8	12.6
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.8	-
Tracking Error	0.9	0.0
Consistency	55.0	0.0
Up Market Capture	103.3	100.0
Down Market Capture	100.4	100.0
R-Squared	1.0	1.0

Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2035 (MF)



■ Voya Index Solution 2035
 ● S&P Target Date 2035 Index

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Voya Index Solution 2035	-0.9 (51)	8.7 (47)	22.0 (43)	11.2 (38)	11.5 (33)	9.2 (37)	11.4 (33)
S&P Target Date 2035 Index	-0.6 (26)	9.2 (28)	22.6 (32)	10.4 (64)	10.9 (53)	9.0 (44)	11.0 (47)

5th Percentile	-0.1	10.5	25.4	12.6	12.5	10.1	12.5
1st Quartile	-0.6	9.3	23.3	11.7	11.6	9.5	11.6
Median	-0.9	8.6	21.7	10.8	10.9	8.8	10.8
3rd Quartile	-1.1	7.9	20.1	10.1	10.3	8.2	10.1
95th Percentile	-1.3	6.2	16.3	8.8	8.9	6.9	9.0

Population	220	210	208	194	153	114	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	10.0	9.8
Minimum Return	-11.4	-11.6
Return	11.2	10.4
Cumulative Return	37.5	34.7
Active Return	0.7	0.0
Excess Return	10.6	9.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	102.2	100.0
Down Market Capture	99.0	100.0

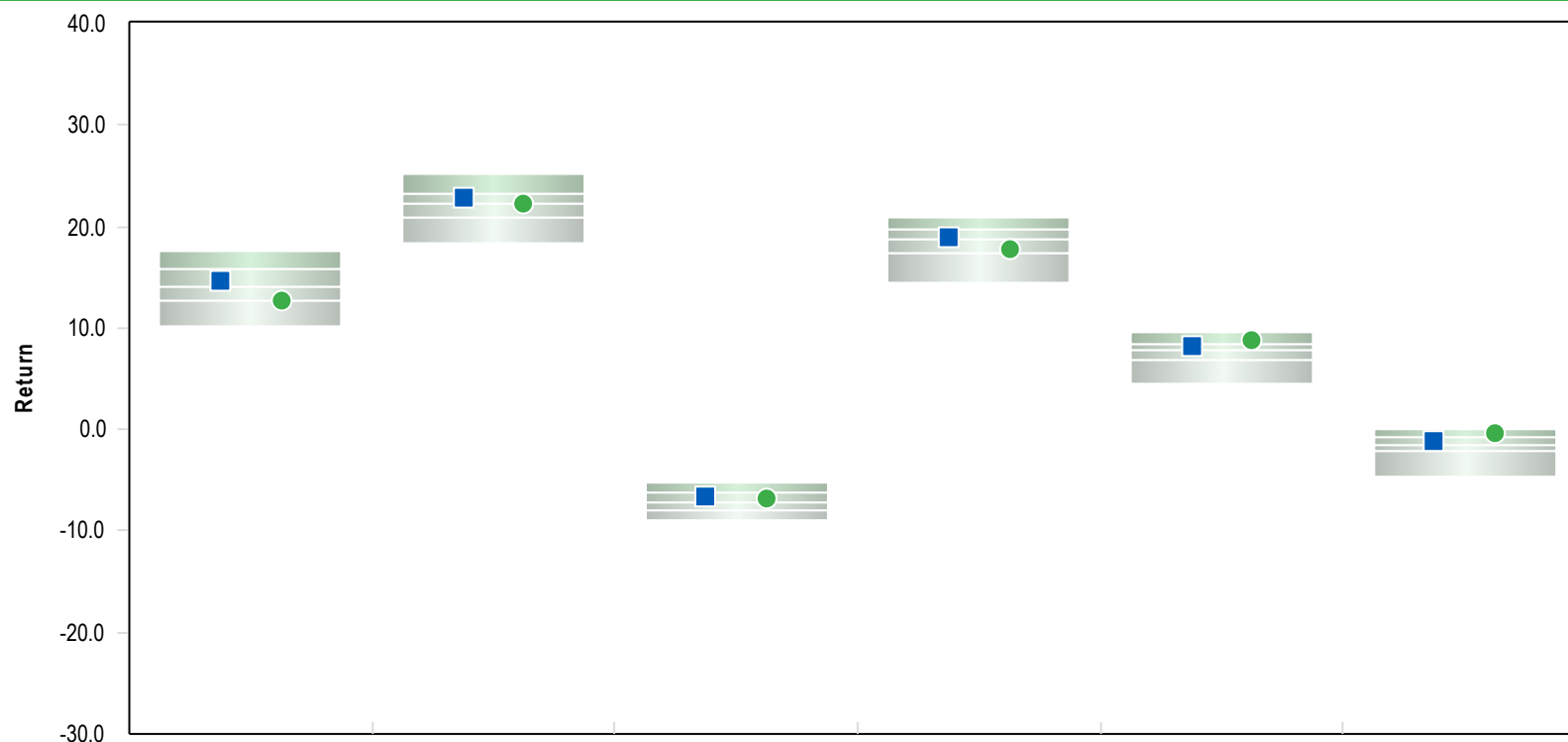
Risk / Return Summary Statistics

Standard Deviation	14.6	14.5
Alpha	0.7	0.0
Active Return/Risk	0.0	0.0
Tracking Error	0.7	0.0
Information Ratio	1.0	-
Sharpe Ratio	0.7	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2035 (MF)

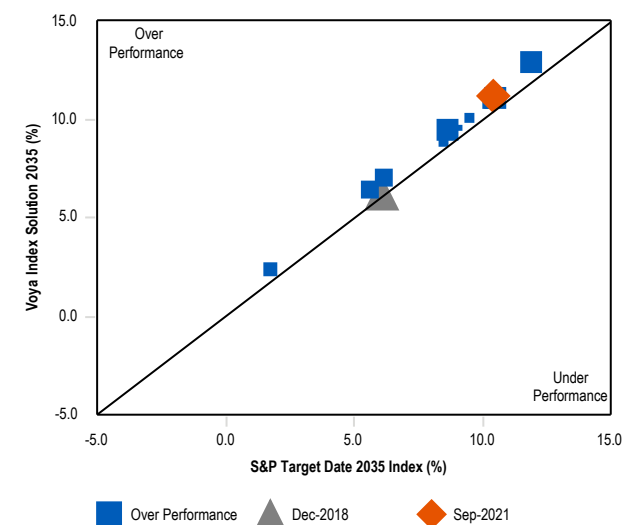


■ Voya Index Solution 2035
 ● S&P Target Date 2035 Index

	2020	2019	2018	2017	2016	2015
	14.7 (44)	22.9 (32)	-6.6 (36)	18.9 (47)	8.2 (37)	-1.2 (38)
	12.8 (75)	22.2 (52)	-6.9 (44)	17.8 (71)	8.9 (15)	-0.3 (15)
5th Percentile	17.6	25.2	-5.2	20.9	9.7	0.1
1st Quartile	15.8	23.1	-6.2	19.7	8.5	-0.7
Median	14.1	22.3	-7.3	18.7	7.7	-1.5
3rd Quartile	12.7	20.8	-7.9	17.4	6.9	-2.2
95th Percentile	10.2	18.3	-8.9	14.4	4.5	-4.6
Population	200	223	213	199	179	155

Parentheses contain percentile rankings.
 Calculation based on monthly periodicity.

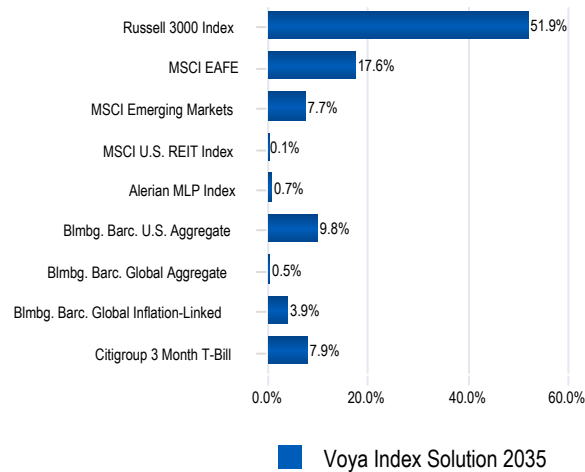
3 Year Rolling Under/Over Performance



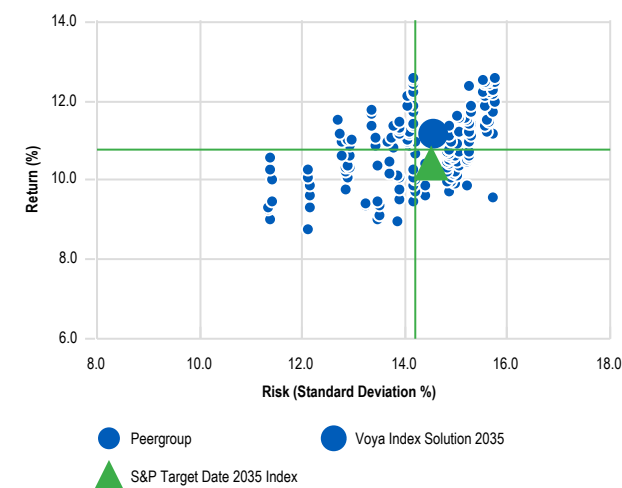
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	11.8	11.7
Beta	1.0	1.0
Sharpe Ratio	0.9	0.8
Information Ratio	0.7	-
Tracking Error	0.8	0.0
Consistency	56.7	0.0
Up Market Capture	102.7	100.0
Down Market Capture	100.1	100.0
R-Squared	1.0	1.0

Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2030 (MF)



■ Voya Index Solution 2030
 ● S&P Target Date 2030 Index

5th Percentile	0.1	9.1	22.2	11.7	11.3	9.2	11.6
1st Quartile	-0.4	7.9	19.7	10.7	10.6	8.7	10.8
Median	-0.7	7.3	18.1	10.0	10.0	8.1	10.1
3rd Quartile	-0.9	6.5	16.9	9.0	9.0	7.3	9.5
95th Percentile	-1.1	4.3	11.3	7.5	6.6	5.5	7.9
Population	228	218	214	200	160	124	84

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	9.0	8.5
Minimum Return	-10.1	-10.2
Return	10.6	9.6
Cumulative Return	35.4	31.8
Active Return	0.9	0.0
Excess Return	9.8	8.9

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	103.2	100.0
Down Market Capture	98.5	100.0

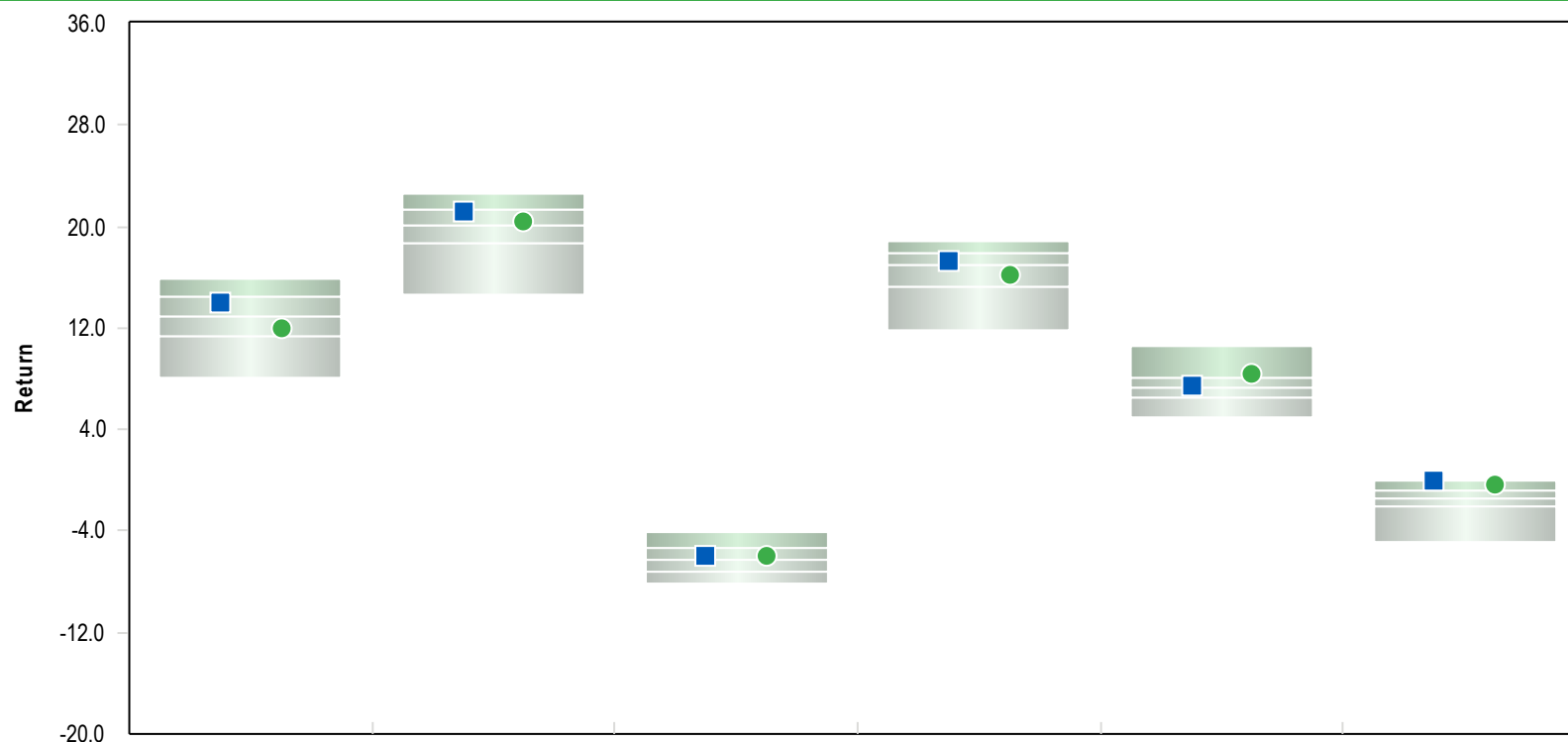
Risk / Return Summary Statistics

Standard Deviation	12.9	12.8
Alpha	0.9	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.7	0.0
Information Ratio	1.3	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2030 (MF)

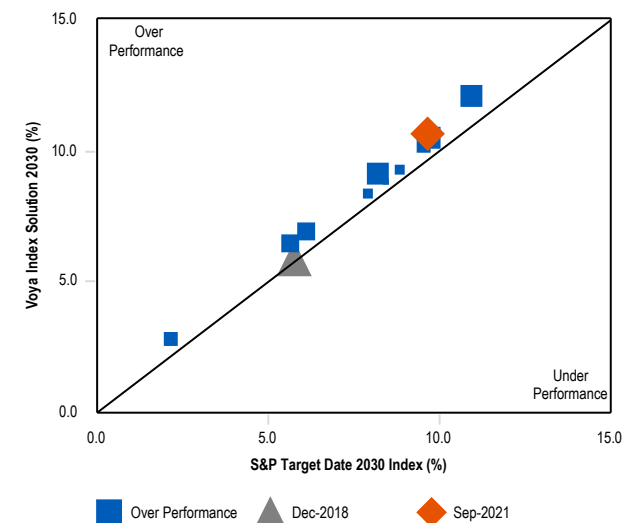


■ Voya Index Solution 2030
 ● S&P Target Date 2030 Index

	2020	2019	2018	2017	2016	2015
	14.0 (37)	21.2 (29)	-5.9 (40)	17.3 (39)	7.5 (42)	-0.1 (7)
	11.9 (65)	20.4 (48)	-6.0 (42)	16.2 (61)	8.3 (19)	-0.3 (10)
5th Percentile	15.9	22.5	-4.2	18.8	10.5	0.0
1st Quartile	14.5	21.3	-5.3	17.8	8.1	-0.8
Median	12.9	20.1	-6.3	16.9	7.3	-1.5
3rd Quartile	11.3	18.6	-7.2	15.2	6.5	-2.1
95th Percentile	8.0	14.6	-8.2	11.9	4.9	-4.9
Population	215	239	237	230	205	187

Parentheses contain percentile rankings.
 Calculation based on monthly periodicity.

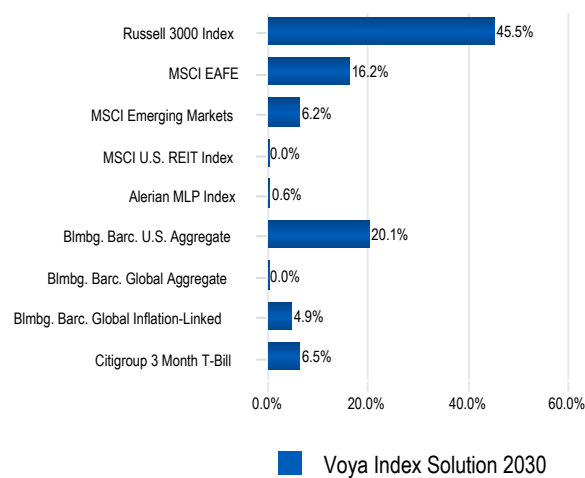
3 Year Rolling Under/Over Performance



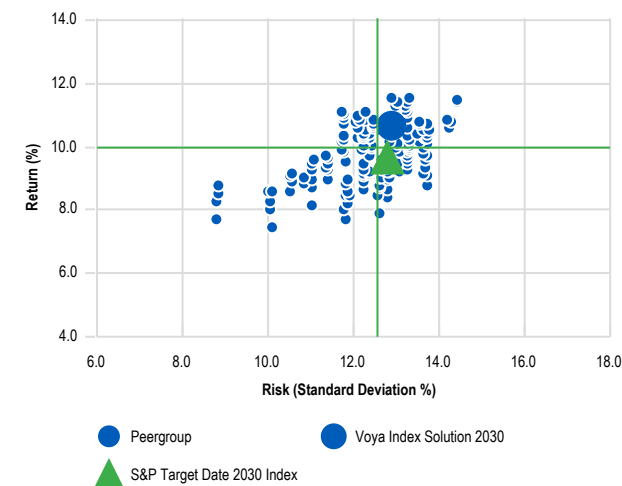
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	10.5	10.3
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.8	-
Tracking Error	0.8	0.0
Consistency	60.0	0.0
Up Market Capture	103.4	100.0
Down Market Capture	99.8	100.0
R-Squared	1.0	1.0

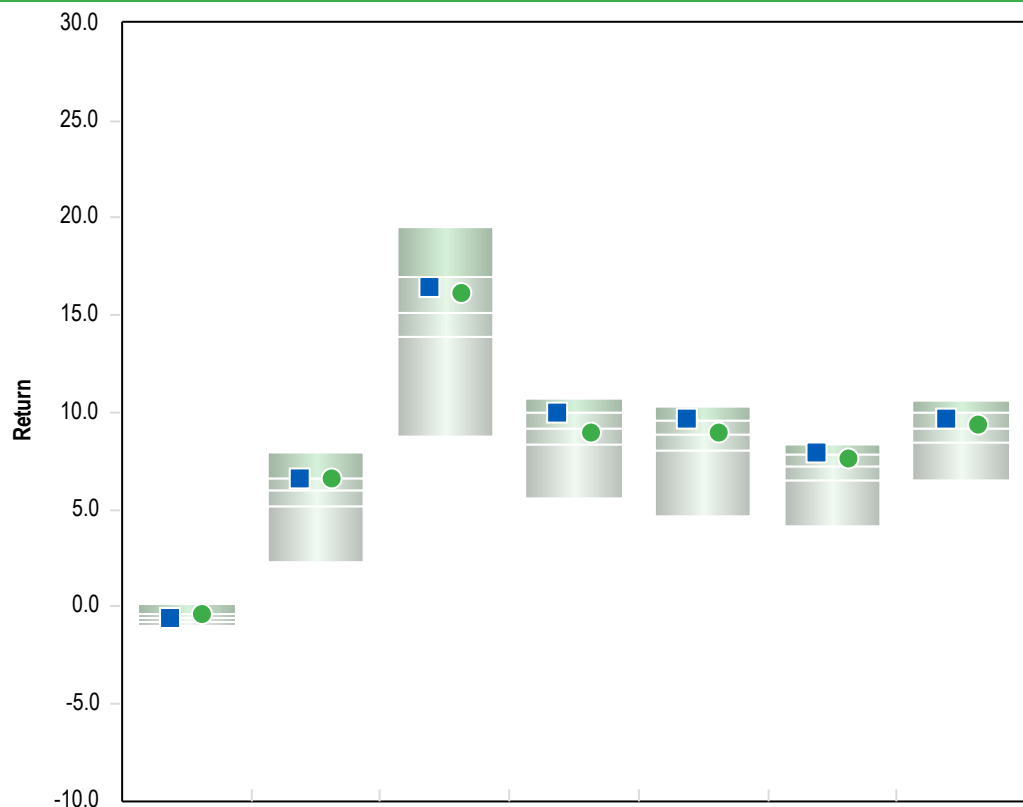
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Mixed-Asset Target 2025 (MF)



	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
■ Voya Index Solution 2025	-0.5 (45)	6.6 (25)	16.4 (34)	10.0 (23)	9.7 (22)	7.9 (25)	9.7 (38)
● S&P Target Date 2025 Index	-0.3 (26)	6.6 (29)	16.2 (38)	9.0 (58)	9.0 (46)	7.6 (32)	9.4 (46)

5th Percentile	0.2	8.0	19.6	10.8	10.3	8.4	10.6
1st Quartile	-0.3	6.6	17.0	10.0	9.6	7.9	10.0
Median	-0.6	6.0	15.2	9.2	8.9	7.3	9.2
3rd Quartile	-0.7	5.2	13.9	8.3	8.1	6.5	8.5
95th Percentile	-1.0	2.3	8.8	5.6	4.7	4.2	6.5

Population	220	210	208	194	153	118	77
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	7.8	7.3
Minimum Return	-8.6	-8.8
Return	10.0	9.0
Cumulative Return	33.3	29.3
Active Return	1.0	0.0
Excess Return	9.1	8.0

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.0	100.0
Down Market Capture	97.8	100.0

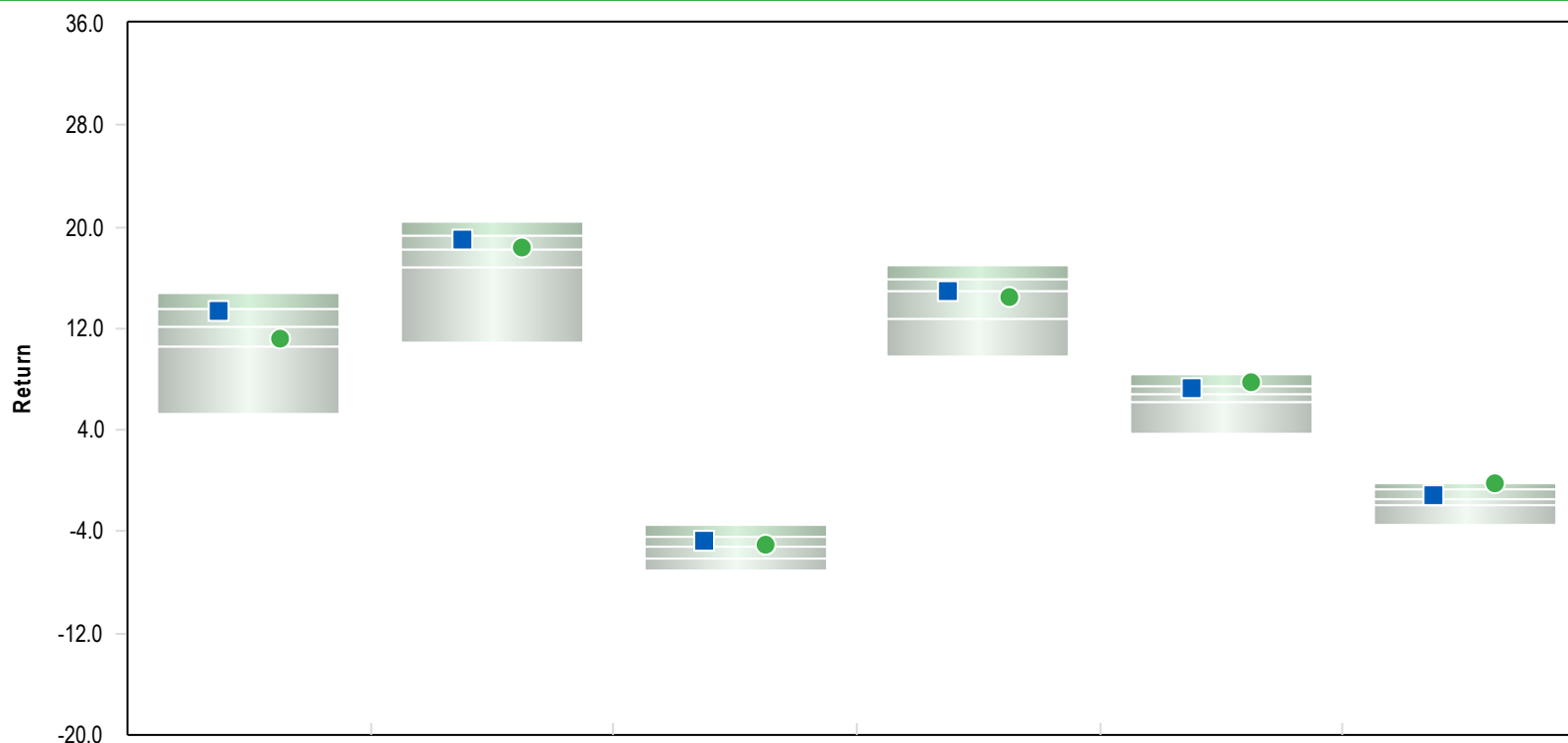
Risk / Return Summary Statistics

Standard Deviation	11.1	11.0
Alpha	0.9	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.8	0.0
Information Ratio	1.2	-
Sharpe Ratio	0.8	0.7

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Mixed-Asset Target 2025 (MF)

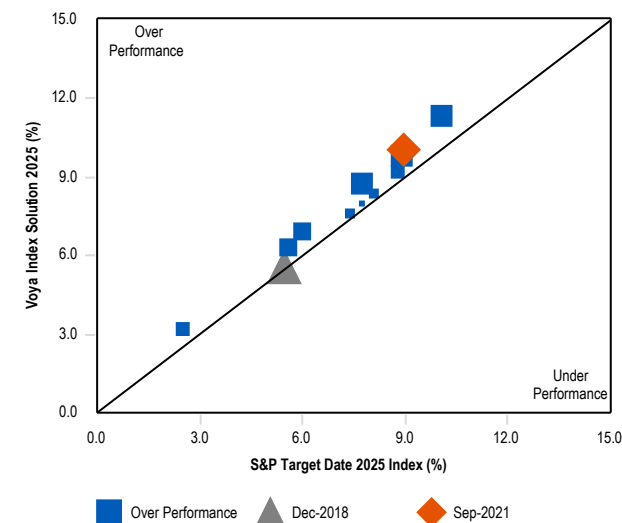


■ Voya Index Solution 2025
● S&P Target Date 2025 Index

5th Percentile	14.8	20.4	-3.4	16.9	8.4	-0.2
1st Quartile	13.6	19.3	-4.4	15.8	7.5	-0.7
Median	12.1	18.2	-5.2	15.0	6.9	-1.4
3rd Quartile	10.5	16.9	-6.2	12.7	6.1	-1.9
95th Percentile	5.3	10.9	-7.1	9.8	3.6	-3.5
Population	204	227	217	203	183	163

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

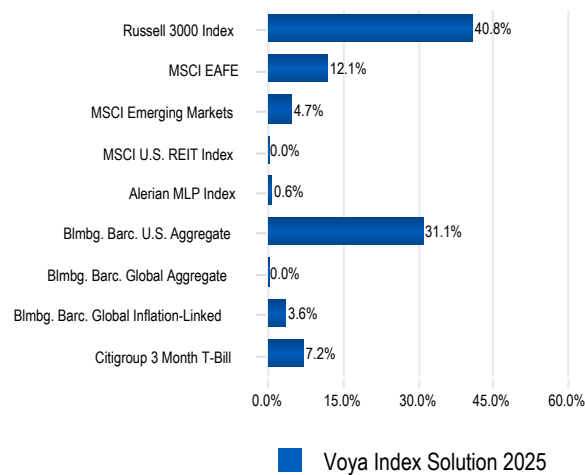
3 Year Rolling Under/Over Performance



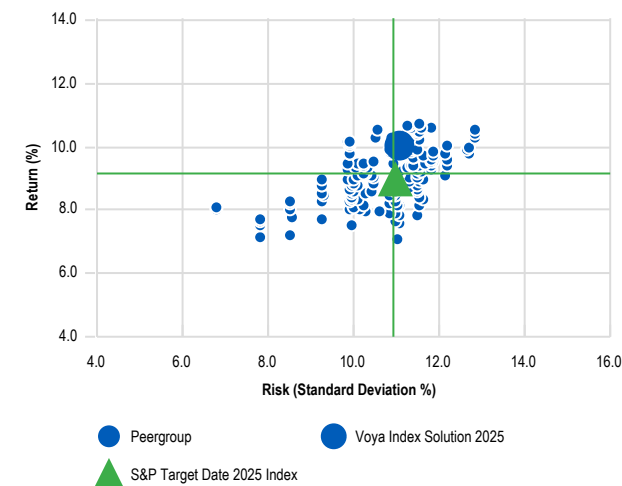
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	9.0	8.9
Beta	1.0	1.0
Sharpe Ratio	0.9	0.9
Information Ratio	0.8	-
Tracking Error	0.7	0.0
Consistency	51.7	0.0
Up Market Capture	103.0	100.0
Down Market Capture	98.5	100.0
R-Squared	1.0	1.0

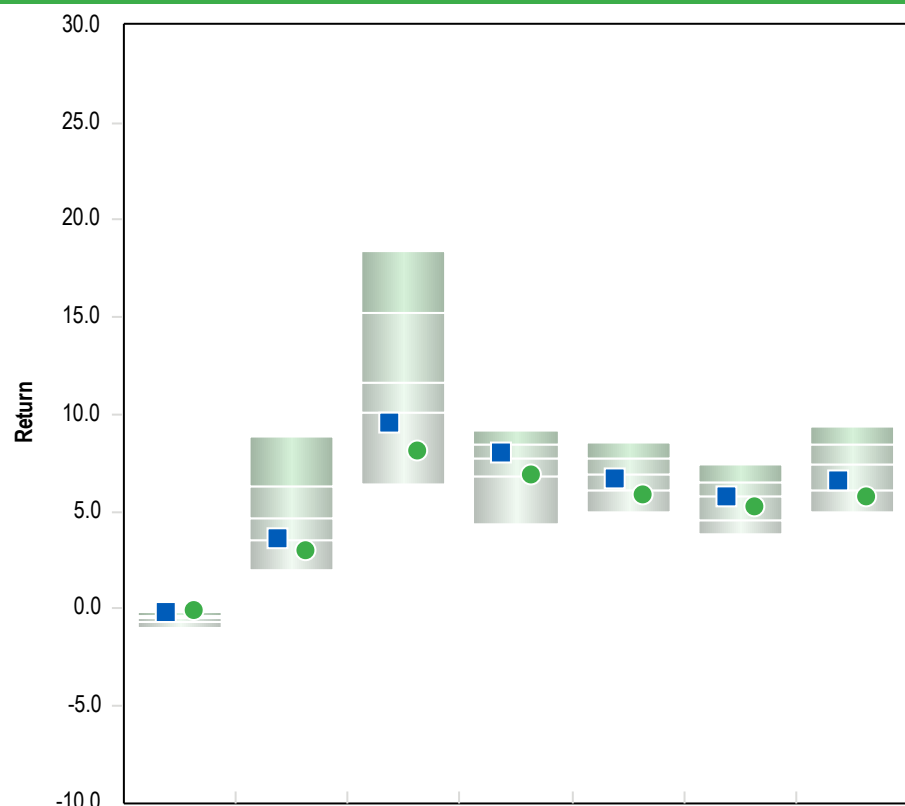
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM Retirement Income (MF)



■ Voya Index Solution Income
● S&P Target Date Retirement Income Index

5th Percentile	-0.2	8.8	18.4	9.2	8.6	7.4	9.4
1st Quartile	-0.3	6.3	15.2	8.5	7.7	6.6	8.4
Median	-0.5	4.7	11.6	7.8	7.0	5.7	7.4
3rd Quartile	-0.6	3.6	10.1	6.8	6.1	4.6	6.1
95th Percentile	-0.9	2.0	6.4	4.4	5.0	3.8	5.0
Population	110	110	110	81	69	33	32

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	4.8	4.8
Minimum Return	-4.7	-5.3
Return	8.0	6.9
Cumulative Return	26.1	22.1
Active Return	1.1	0.0
Excess Return	6.8	5.7

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	106.6	100.0
Down Market Capture	95.3	100.0

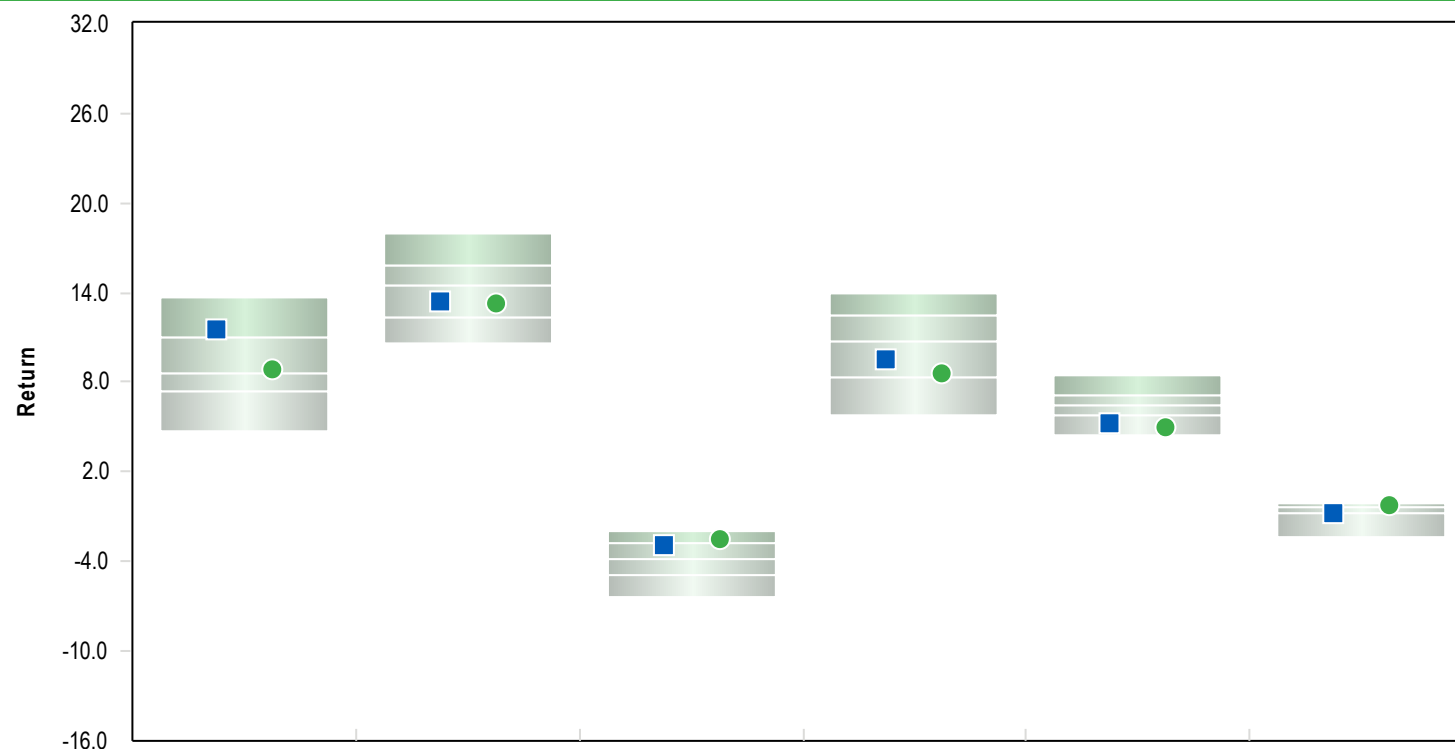
Risk / Return Summary Statistics

Standard Deviation	6.4	6.4
Alpha	1.2	0.0
Active Return/Risk	0.2	0.0
Tracking Error	0.9	0.0
Information Ratio	1.2	-
Sharpe Ratio	1.0	0.9

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM Retirement Income (MF)

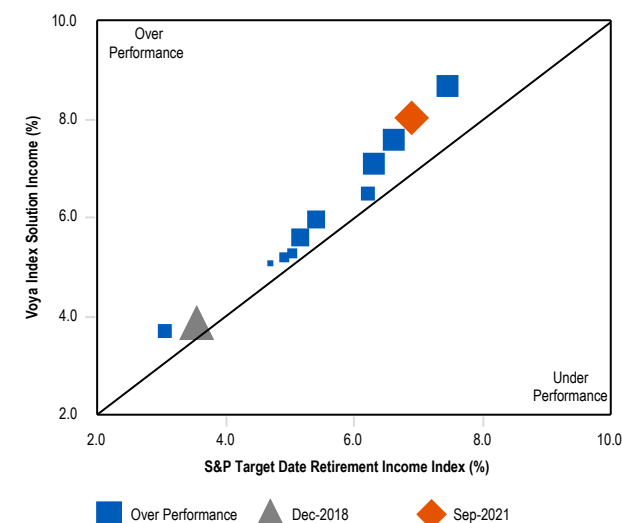


■ Voya Index Solution Income
 ● S&P Target Date Retirement Income Index

	2020	2019	2018	2017	2016	2015
Voya Index Solution Income	11.5 (20)	13.5 (60)	-2.8 (28)	9.6 (59)	5.3 (82)	-0.7 (71)
S&P Target Date Retirement Income Index	8.8 (43)	13.3 (62)	-2.5 (17)	8.5 (73)	5.0 (88)	-0.2 (30)
5th Percentile	13.7	18.0	-2.0	13.9	8.5	0.1
1st Quartile	11.0	15.8	-2.8	12.5	7.1	-0.1
Median	8.6	14.4	-3.8	10.7	6.5	-0.4
3rd Quartile	7.4	12.3	-4.9	8.3	5.8	-0.8
95th Percentile	4.7	10.7	-6.3	5.8	4.5	-2.4
Population	103	85	116	112	108	69

Parentheses contain percentile rankings.
 Calculation based on monthly periodicity.

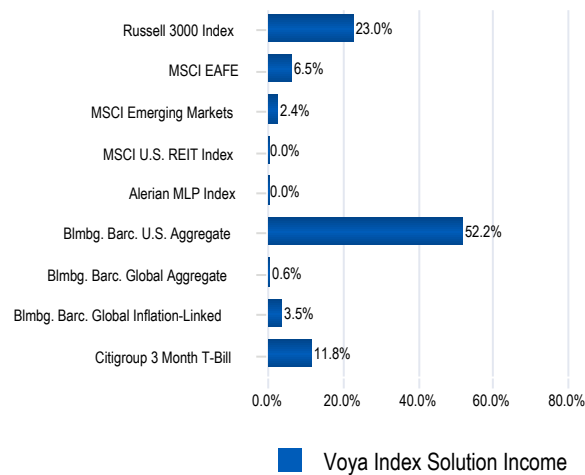
3 Year Rolling Under/Over Performance



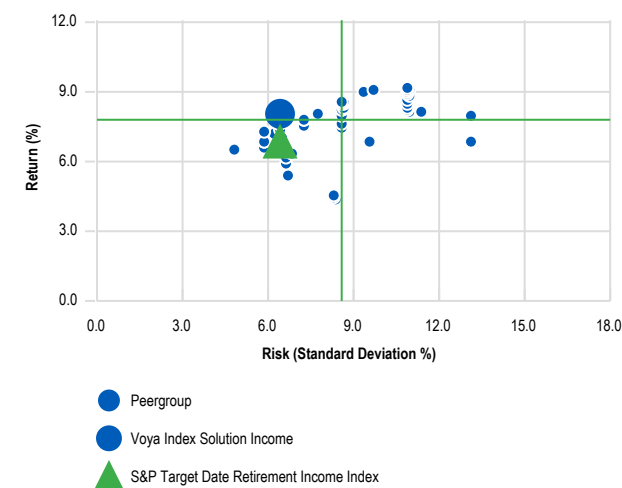
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	5.3	5.2
Beta	1.0	1.0
Sharpe Ratio	1.0	0.9
Information Ratio	0.9	-
Tracking Error	0.8	0.0
Consistency	56.7	0.0
Up Market Capture	106.7	100.0
Down Market Capture	98.8	100.0
R-Squared	1.0	1.0

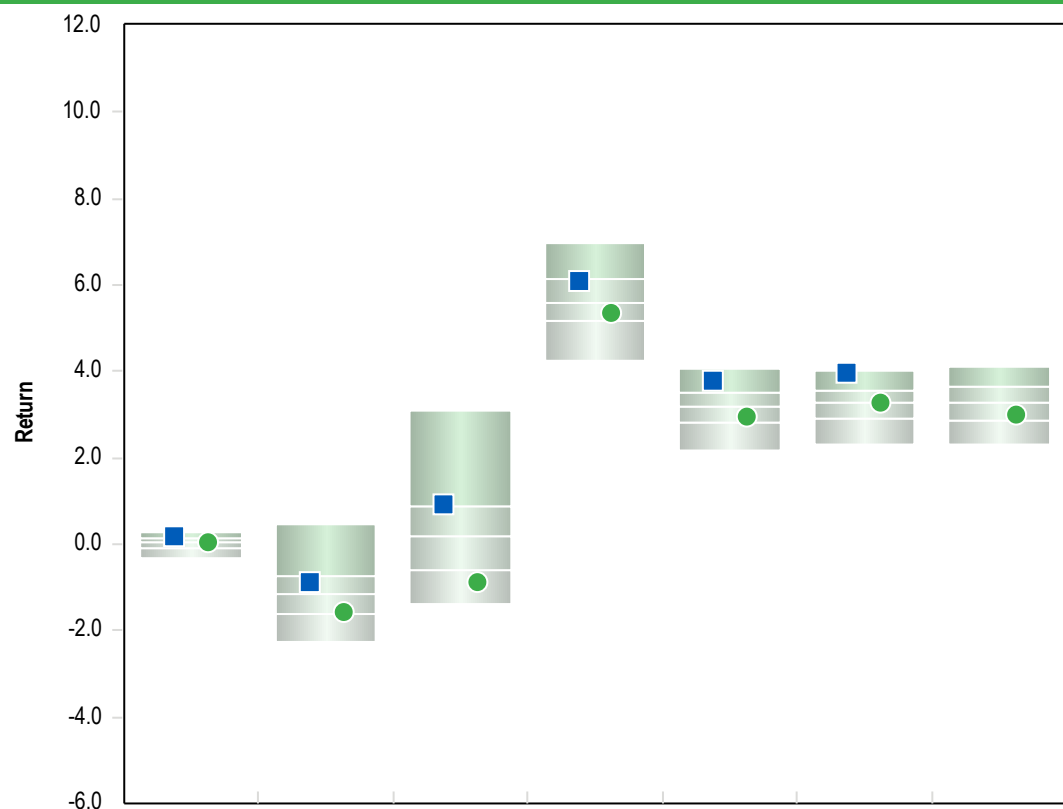
Investment Style Exposure (Returns based) - 36 Months



Peer Group Scattergram - 36 Months



IM U.S. Broad Market Core Fixed Income (MF)



■ Voya Intermediate Bond
● Blmbg. U.S. Aggregate

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
Voya Intermediate Bond	0.2 (16)	-0.9 (32)	0.9 (24)	6.1 (28)	3.8 (13)	4.0 (6)	-
Blmbg. U.S. Aggregate	0.1 (44)	-1.6 (71)	-0.9 (83)	5.4 (63)	2.9 (66)	3.3 (52)	3.0 (66)

5th Percentile	0.3	0.5	3.1	6.9	4.1	4.0	4.1
1st Quartile	0.1	-0.7	0.9	6.2	3.5	3.6	3.6
Median	0.0	-1.2	0.2	5.6	3.2	3.3	3.3
3rd Quartile	-0.1	-1.6	-0.6	5.2	2.8	2.9	2.9
95th Percentile	-0.3	-2.3	-1.4	4.2	2.2	2.3	2.3

Population	502	496	490	465	411	351	305
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Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	2.9	2.6
Minimum Return	-4.9	-1.4
Return	6.1	5.4
Cumulative Return	19.4	16.9
Active Return	0.8	0.0
Excess Return	4.9	4.1

Risk Summary Statistics

Beta	1.1	1.0
Up Market Capture	121.4	100.0
Down Market Capture	135.8	100.0

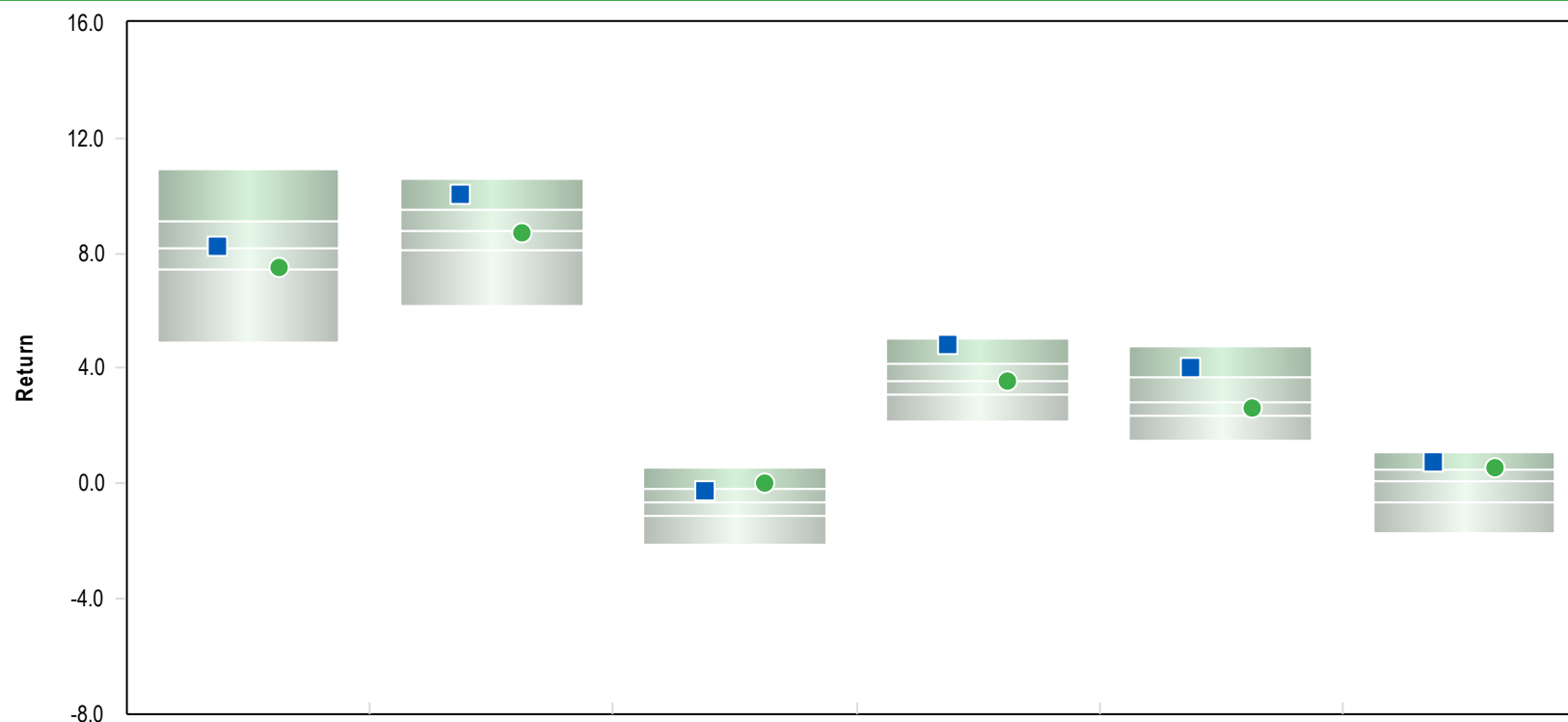
Risk / Return Summary Statistics

Standard Deviation	4.9	3.5
Alpha	0.0	0.0
Active Return/Risk	0.2	0.0
Tracking Error	2.9	0.0
Information Ratio	0.3	-
Sharpe Ratio	1.0	1.2

Correlation Statistics

R-Squared	0.7	1.0
Actual Correlation	0.8	1.0

IM U.S. Broad Market Core Fixed Income (MF)



■ Voya Intermediate Bond

● Blmbg. U.S. Aggregate

	2020	2019	2018	2017	2016	2015
Voya Intermediate Bond	8.2 (50)	10.1 (11)	-0.3 (31)	4.8 (7)	4.0 (16)	0.7 (13)
Blmbg. U.S. Aggregate	7.5 (72)	8.7 (53)	0.0 (18)	3.5 (54)	2.6 (61)	0.5 (20)

5th Percentile	10.9	10.6	0.6	5.0	4.8	1.1
1st Quartile	9.1	9.5	-0.2	4.1	3.7	0.5
Median	8.2	8.8	-0.6	3.6	2.9	0.1
3rd Quartile	7.4	8.1	-1.1	3.1	2.4	-0.6
95th Percentile	4.9	6.2	-2.1	2.1	1.5	-1.7
Population	488	511	506	498	469	433

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

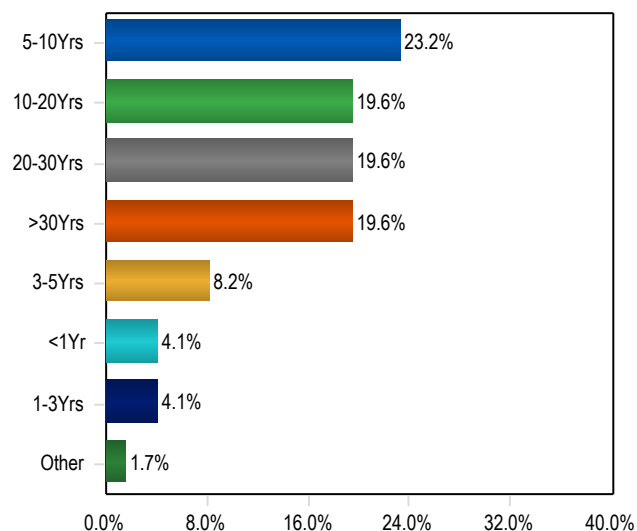
Fund Information

Product Name : Voya: Intmdt Bd; R6 (IIBZX)
 Fund Family : Voya Investments LLC
 Ticker : IIBZX
 Peer Group : IM U.S. Broad Market Core Fixed Income (MF)
 Benchmark : Blmbg. U.S. Aggregate
 Fund Inception : 05/31/2013
 Portfolio Manager : Toms/Goodson/Parrish
 Total Assets : \$2,971 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.3%
 Net Expense : 0.3%
 Turnover : 253%

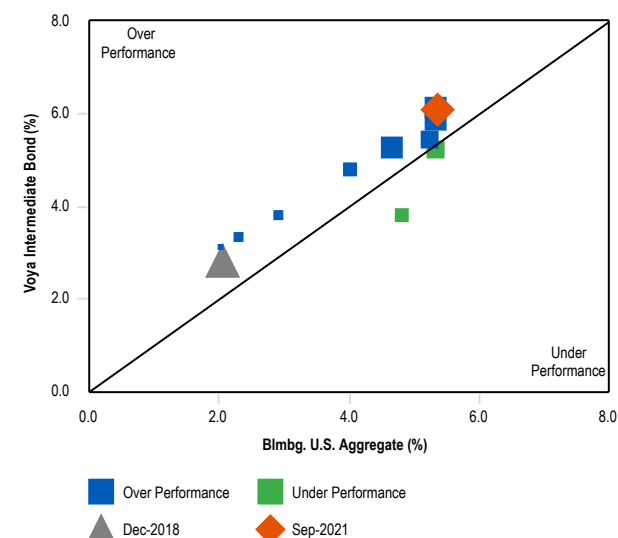
Fund Characteristics As of 03/31/2021

Avg. Coupon 3.32 %
 Nominal Maturity
 Effective Maturity 7.92 Years
 Duration 6.38 Years
 SEC 30 Day Yield
 Avg. Credit Quality A

Maturity Distribution As of 03/31/2021



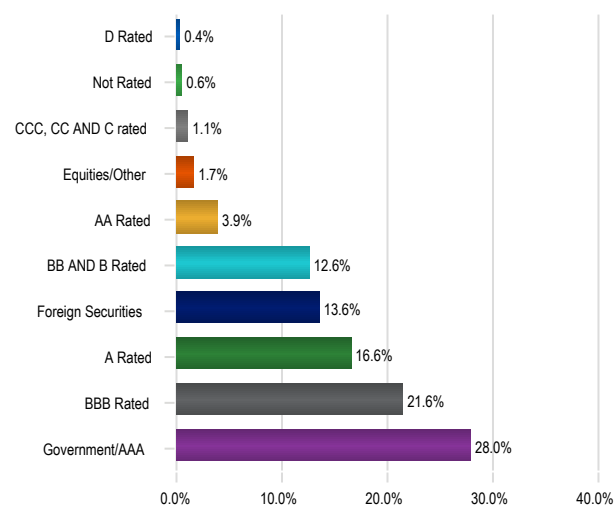
3 Year Rolling Under/Over Performance



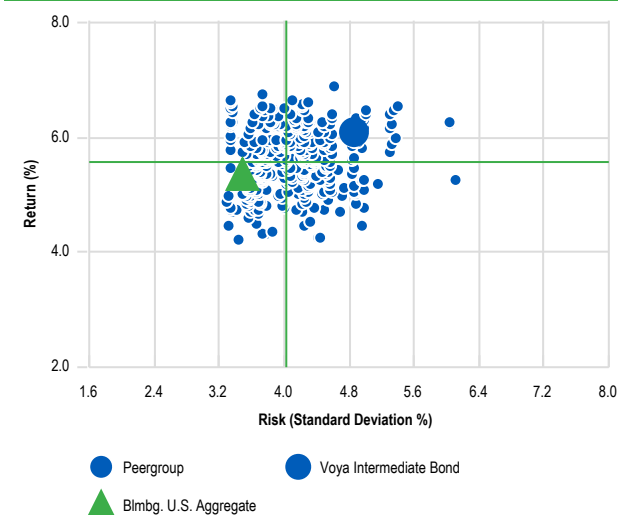
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	4.2	3.3
Beta	1.1	1.0
Sharpe Ratio	0.6	0.6
Information Ratio	0.4	-
Tracking Error	2.2	0.0
Consistency	73.3	0.0
Up Market Capture	119.4	100.0
Down Market Capture	110.4	100.0
R-Squared	0.7	1.0

Quality Allocation As of 03/31/2021



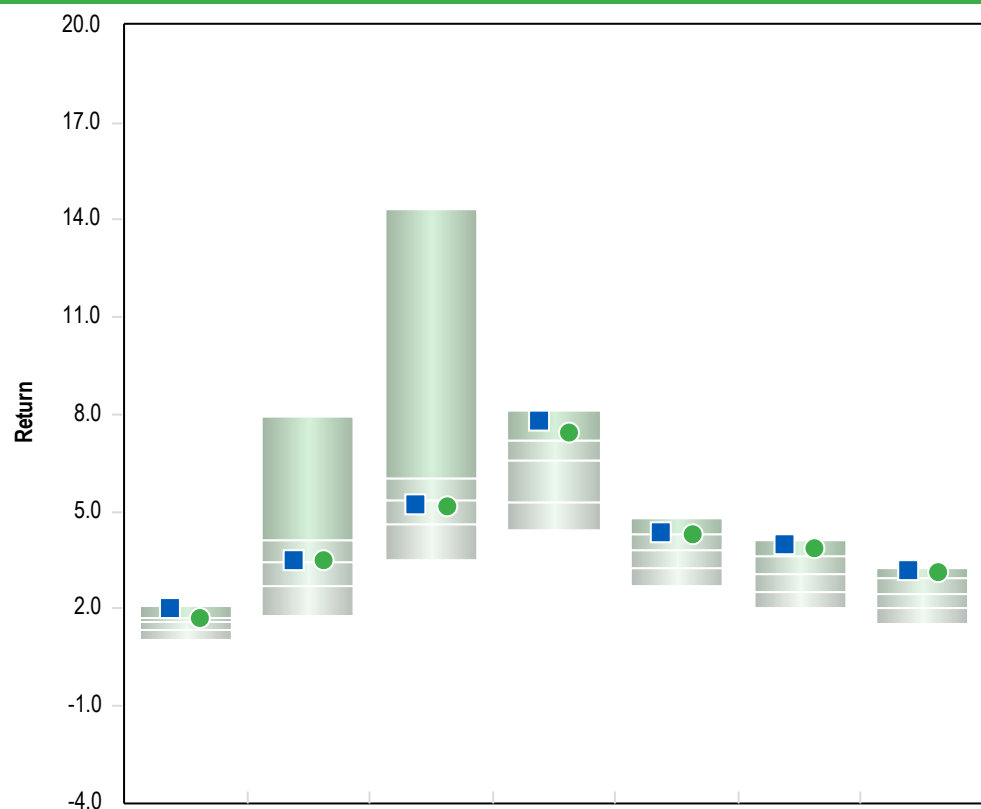
Peer Group Scattergram - 36 Months



Fund Objective

The Fund seeks a high level of current income consistent with the preservation of capital and liquidity, by normally investing at least 65% of its assets in debt securities rated BBB or better.

IM U.S. TIPS (MF)



■ DFA Inflation Protected Securities
● Blmbg. U.S. TIPS

	1 Qtr	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs
	2.0 (6)	3.5 (49)	5.2 (56)	7.8 (9)	4.4 (21)	4.0 (6)	3.2 (8)
	1.8 (24)	3.5 (49)	5.2 (56)	7.4 (18)	4.3 (24)	3.9 (11)	3.1 (12)
5th Percentile	2.1	8.0	14.3	8.1	4.8	4.1	3.3
1st Quartile	1.7	4.1	6.0	7.2	4.3	3.7	2.9
Median	1.6	3.5	5.4	6.6	3.8	3.1	2.5
3rd Quartile	1.4	2.7	4.6	5.3	3.2	2.5	2.0
95th Percentile	1.0	1.8	3.5	4.4	2.7	2.0	1.5
Population	210	209	205	200	174	144	118

Risk Return Statistics - 3 Years

Return Summary Statistics

	Portfolio	Benchmark
Maximum Return	3.2	2.8
Minimum Return	-2.0	-1.8
Return	7.8	7.4
Cumulative Return	25.3	24.0
Active Return	0.3	0.0
Excess Return	6.5	6.1

Risk Summary Statistics

Beta	1.0	1.0
Up Market Capture	104.8	100.0
Down Market Capture	105.1	100.0

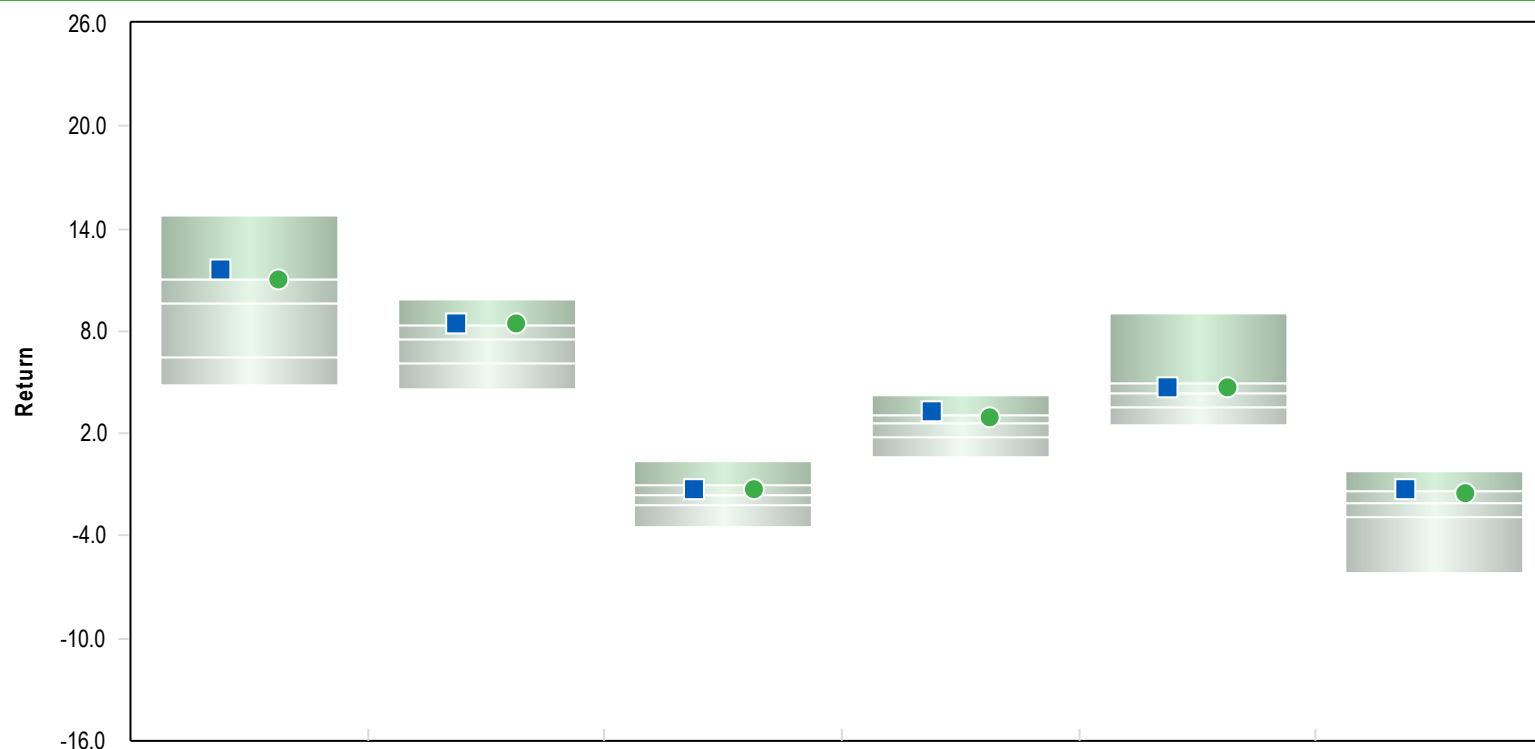
Risk / Return Summary Statistics

Standard Deviation	4.2	4.0
Alpha	0.2	0.0
Active Return/Risk	0.1	0.0
Tracking Error	0.8	0.0
Information Ratio	0.4	-
Sharpe Ratio	1.5	1.5

Correlation Statistics

R-Squared	1.0	1.0
Actual Correlation	1.0	1.0

IM U.S. TIPS (MF)



■ DFA Inflation Protected Securities

● Blmbg. U.S. TIPS

	2020	2019	2018	2017	2016	2015
	11.7 (17)	8.5 (18)	-1.3 (36)	3.3 (21)	4.7 (39)	-1.2 (22)
	11.0 (25)	8.4 (19)	-1.3 (35)	3.0 (30)	4.7 (37)	-1.4 (27)
5th Percentile	14.8	9.9	0.4	4.2	9.1	-0.2
1st Quartile	11.0	8.3	-1.0	3.1	5.0	-1.4
Median	9.6	7.5	-1.6	2.6	4.4	-2.1
3rd Quartile	6.4	6.1	-2.2	1.7	3.6	-2.9
95th Percentile	4.9	4.6	-3.5	0.6	2.5	-6.1
Population	206	221	227	228	220	197

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

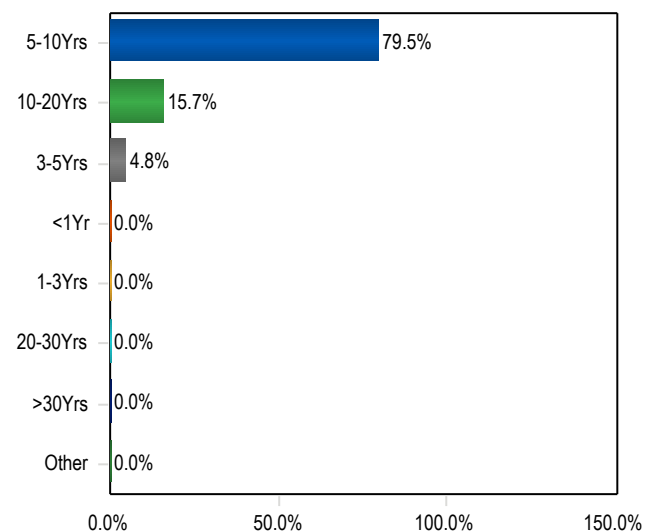
Fund Information

Product Name : DFA Inflation Protected Securities (DIPSX)
 Fund Family : Dimensional Fund Advisors LP
 Ticker : DIPSX
 Peer Group : IM U.S. TIPS (MF)
 Benchmark : Blmbg. U.S. TIPS
 Fund Inception : 09/18/2006
 Portfolio Manager : Plecha/Kolerich/Hutchison
 Total Assets : \$6,585 Million
 Total Assets Date : 05/31/2021
 Gross Expense : 0.1%
 Net Expense : 0.1%
 Turnover : 15%

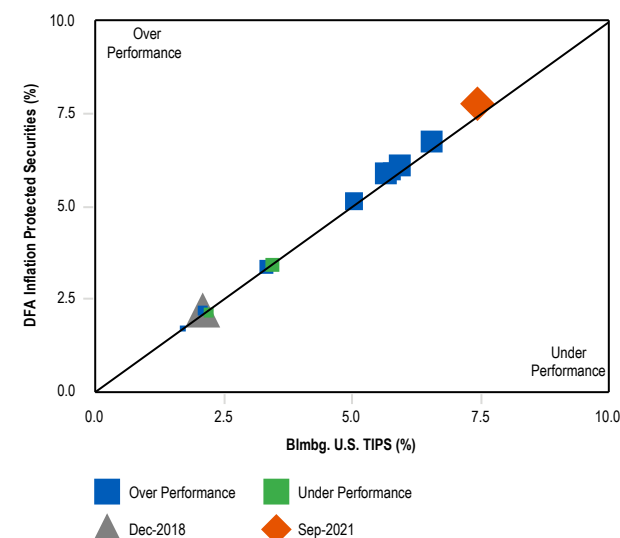
Fund Characteristics As of 03/31/2021

Avg. Coupon : 1.71 %
 Nominal Maturity : 8.12 Years
 Effective Maturity :
 Duration : 7.55 Years
 SEC 30 Day Yield : 0.6
 Avg. Credit Quality : AAA

Maturity Distribution As of 03/31/2021



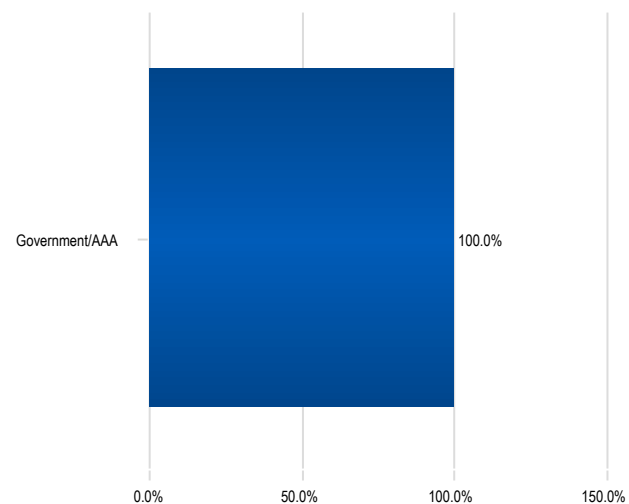
3 Year Rolling Under/Over Performance



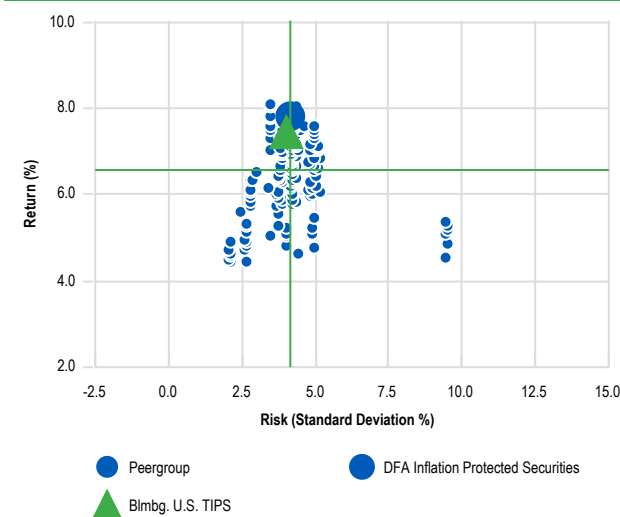
Portfolio Statistics - 5 Years

	Portfolio	Benchmark
Standard Deviation	3.9	3.7
Beta	1.1	1.0
Sharpe Ratio	0.8	0.9
Information Ratio	0.1	-
Tracking Error	0.8	0.0
Consistency	50.0	0.0
Up Market Capture	106.5	100.0
Down Market Capture	113.3	100.0
R-Squared	1.0	1.0

Quality Allocation As of 03/31/2021



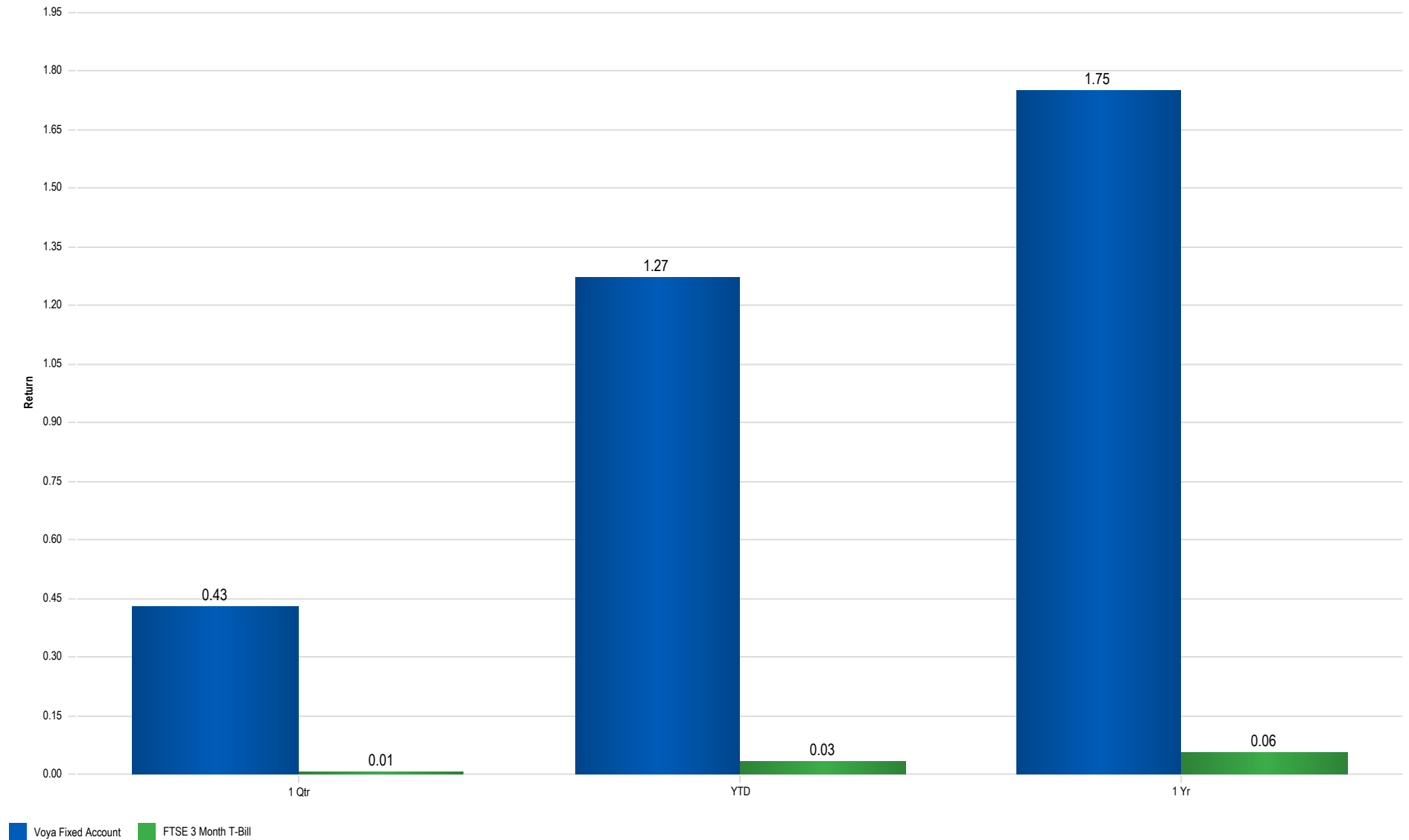
Peer Group Scattergram - 36 Months

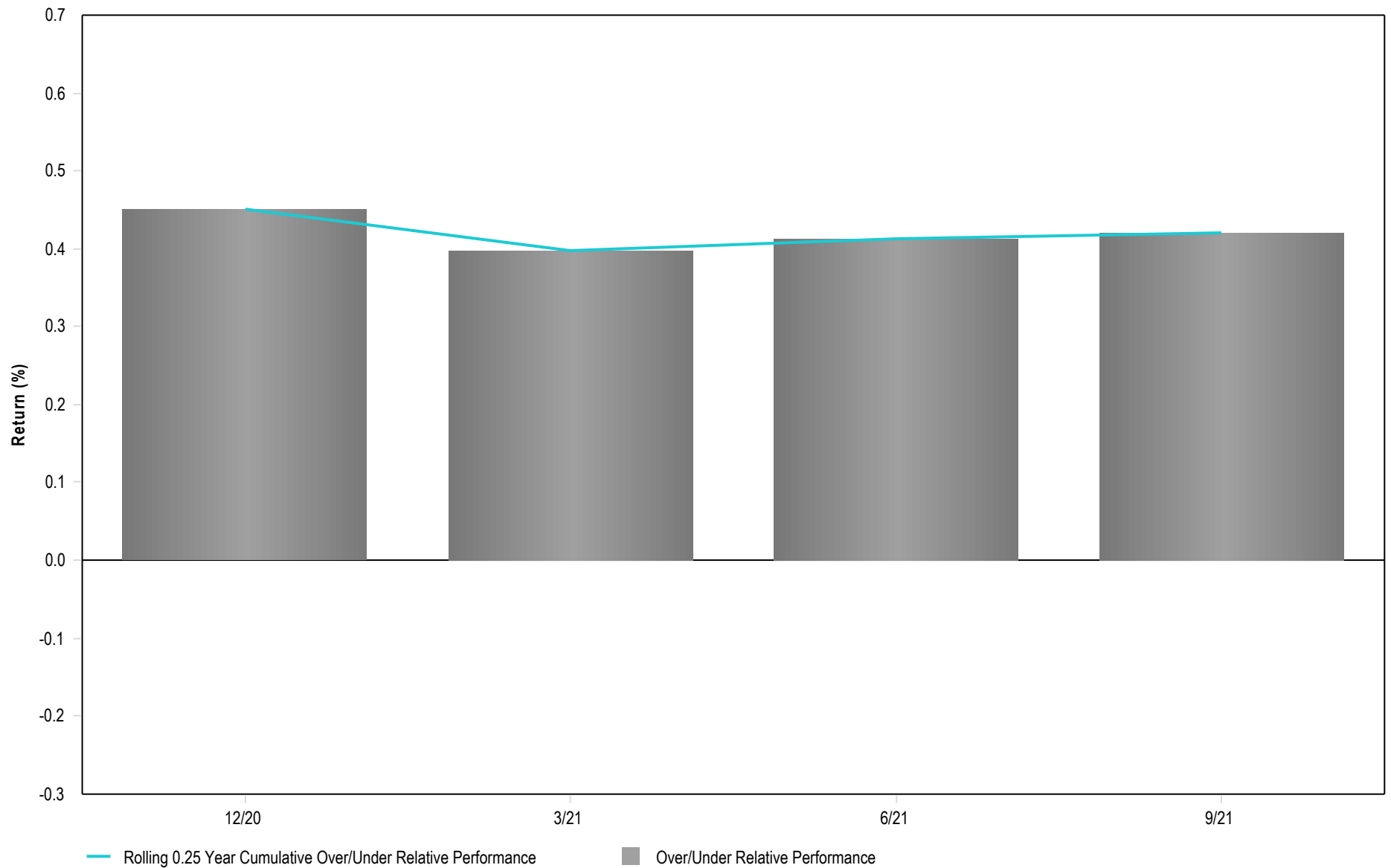


Fund Objective

The Fund seeks to provide inflation-protection and earn current income. The Fund will invest primarily in inflation-protected debt securities issued by the U.S. Treasury, but may also invest in inflation-protected debt securities issued by U.S. Government agencies and instrumentalities.

Comparative Performance

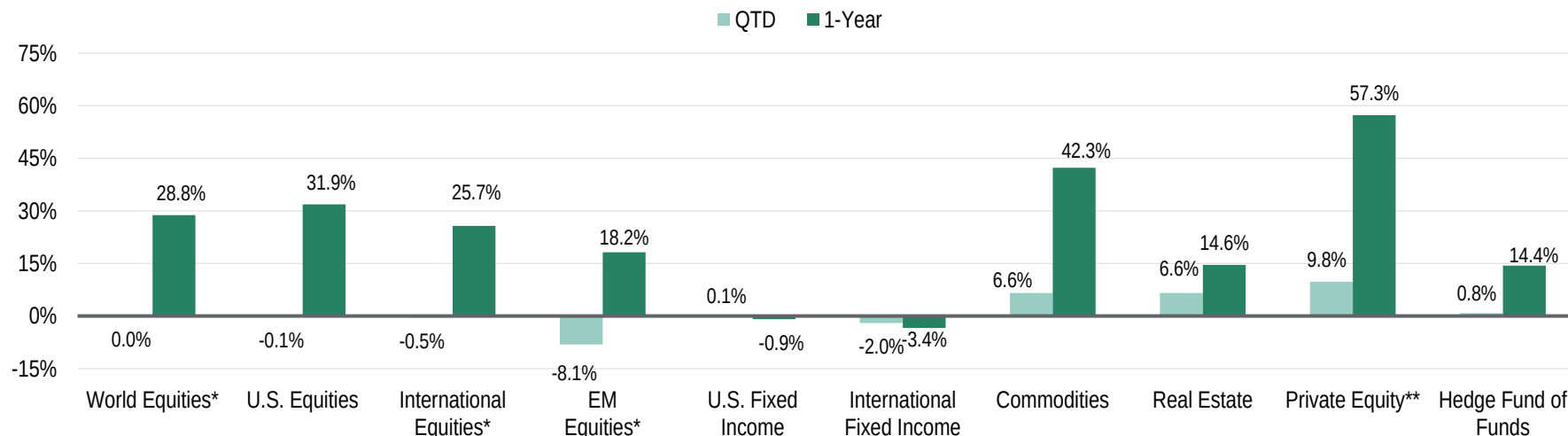




Appendix

Quarter In Review

Summary of Investment Returns



Quarterly Synopsis

- World equity markets were flat overall in the quarter. Investor concerns over global growth and inflation hampered stocks.
- U.S. equities were lower. Worries continued over inflation and slowing GDP growth.
- International equities also declined, with inflation concerns helping erase previous gains after a positive earnings season in the Eurozone.
- Emerging market equity tumbled with a selloff in Chinese stocks amid concerns about supply chain disruptions.
- U.S. fixed income was flat. Yields were lower early in the quarter but rose in September as market sentiment turned more negative.
- Non-U.S. fixed income fell. While economic activity in the Eurozone was strong, inflation in the region hit a decade high.
- Hedge funds increased a bit. Relative value strategies performed best in the quarter.
- Commodities posted another strong gain with energy prices surging higher.

* Net Dividends Reinvested

** Performance as of Q1 2021 because more recent performance data is not yet available.

Sources: Investment Metrics, Thomson One, FactSet

Index Returns

Asset Class	Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
World Equity	MSCI World ¹	-0.01	13.04	28.82	13.14	13.74	12.68
U.S. Equity	Russell 3000	-0.10	14.99	31.88	16.00	16.85	16.60
Non-U.S. Equity	MSCI EAFE ¹	-0.45	8.35	25.73	7.62	8.81	8.10
Emerging Market Equity	MSCI EM ¹	-8.09	-1.25	18.20	8.58	9.23	6.09
U.S. Fixed Income	Bloomberg Barclays U.S. Aggregate	0.05	-1.55	-0.90	5.36	2.94	3.01
Non-U.S. Fixed Income	FTSE ² Non-U.S. WGBI (Unhedged)	-1.97	-7.86	-3.41	2.89	0.76	0.50
Commodities	Bloomberg Commodity Index	6.59	29.13	42.29	6.86	4.54	-2.66
Real Estate	NFI-ODCE ³	6.59	13.11	14.59	7.05	7.50	9.92
Private Equity	Thomson Reuters US Private Equity ⁴	9.8	9.8	57.3	22.5	19.5	14.8
Hedge Funds	HFRI Fund of Funds Composite	0.83	5.83	14.41	6.53	5.82	4.47

¹ Net Dividends Reinvested

² Formerly Citigroup Non-U.S. WGBI. Citigroup's fixed income indices were purchased by London Stock Exchange Group (LSEG) and were all rebranded to FTSE by July 31, 2018.

FTSE Russell is a unit of LSEG's Information Services Division and a wholly owned subsidiary of LSEG.

³ NCREIF Fund Index (NFI) – Open End Diversified Core Equity (ODCE)

⁴ Performance as of Q1 2021 because more recent performance data is not yet available.

Sources: Investment Metrics, Thomson One, FactSet

Index Returns

Equity Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
S&P 500®	0.58	15.92	30.00	15.99	16.90	16.63
Russell 1000	0.21	15.19	30.96	16.43	17.11	16.76
Russell 1000 Growth	1.16	14.30	27.32	22.00	22.84	19.68
Russell 1000 Value	-0.78	16.14	35.01	10.07	10.94	13.51
Russell 2000	-4.36	12.41	47.68	10.54	13.45	14.63
Russell 2000 Growth	-5.65	2.82	33.27	11.70	15.34	15.74
Russell 2000 Value	-2.98	22.92	63.92	8.58	11.03	13.22
Russell 3000	-0.10	14.99	31.88	16.00	16.85	16.60
MSCI EAFE*	-0.45	8.35	25.73	7.62	8.81	8.10
MSCI World*	-0.01	13.04	28.82	13.14	13.74	12.68
MSCI EM*	-8.09	-1.25	18.20	8.58	9.23	6.09

Fixed-Income Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Blbg Bar U.S. Aggregate	0.05	-1.55	-0.90	5.36	2.94	3.01
Blbg Bar U.S. Govt/Credit	0.04	-1.93	-1.13	5.94	3.24	3.24
Blbg Bar U.S. Intermediate Govt/Credit	0.02	-0.87	-0.40	4.63	2.60	2.52
Blbg Bar U.S. L/T Govt/Credit	0.07	-4.57	-2.97	10.12	5.21	5.76
Blbg Bar U.S. Government	0.08	-2.42	-3.20	4.88	2.26	2.21
Blbg Bar U.S. Credit	-0.03	-1.30	1.45	7.10	4.37	4.60
Blbg Bar U.S. Mortgage-Backed Securities	0.10	-0.67	-0.43	3.85	2.17	2.41
Blbg Bar U.S. Corporate High Yield	0.89	4.53	11.28	6.91	6.52	7.42
FTSE Non-U.S. WGBI (Unhedged)***	-1.97	-7.86	-3.41	2.89	0.76	0.50
FTSE 3-Month T-Bill***	0.01	0.03	0.06	1.14	1.13	0.60

Other Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Hueler Stable Value	0.42	1.33	1.84	2.24	2.15	2.03
Bloomberg Commodity	6.59	29.13	42.29	6.86	4.54	-2.66
HFRI Fund of Funds Composite	0.83	5.83	14.41	6.53	5.82	4.47
NCREIF NFI-ODCE	6.59	13.11	14.59	7.05	7.50	9.92
Thomson Reuters Private Equity**	9.8	9.8	57.3	22.5	19.5	14.8

* Net Dividends Reinvested

** Performance reported as of Q1 2021 because more recent performance data is not yet available.

***Formerly Citigroup Non-U.S. WGBI. Citigroup's fixed income indices were purchased by London Stock Exchange Group (LSEG) and were all rebranded to FTSE by July 31, 2018. FTSE Russell is a unit of LSEG's Information Services Division and a wholly owned subsidiary of LSEG

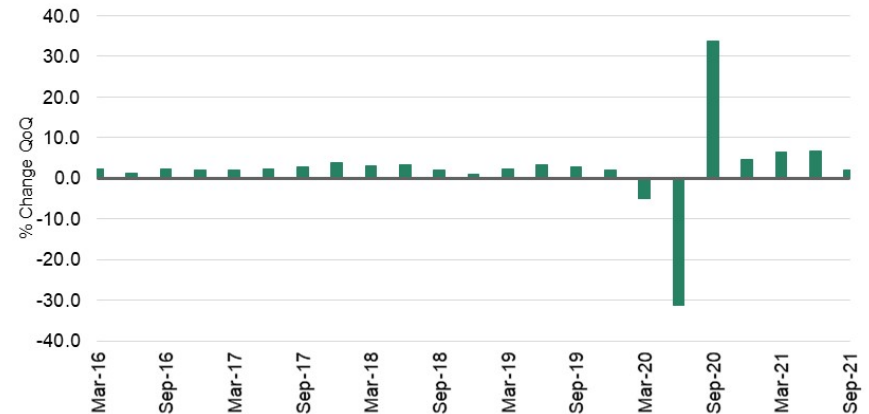
Sources: eVestment Alliance, Hueler Analytics, Investment Metrics, Thomson One, FactSet

Quarter In Review: U.S. Economy

GDP Growth

- U.S. GDP growth rose 2.0% in the quarter ending September 30 over the prior quarter. It was a sharp slowdown from the previous quarter's 6.7% growth number.
- The recent slowdown comes as government stimulus, which buoyed growth earlier in 2021, has phased out.
- Continuing labor shortages, a surge in COVID cases with the rise of the Delta variant, and supply chain bottlenecks also led growth to be lower.
- Consumer spending was also down in the quarter, rising only 1.6% after a 12% increase in the previous quarter.

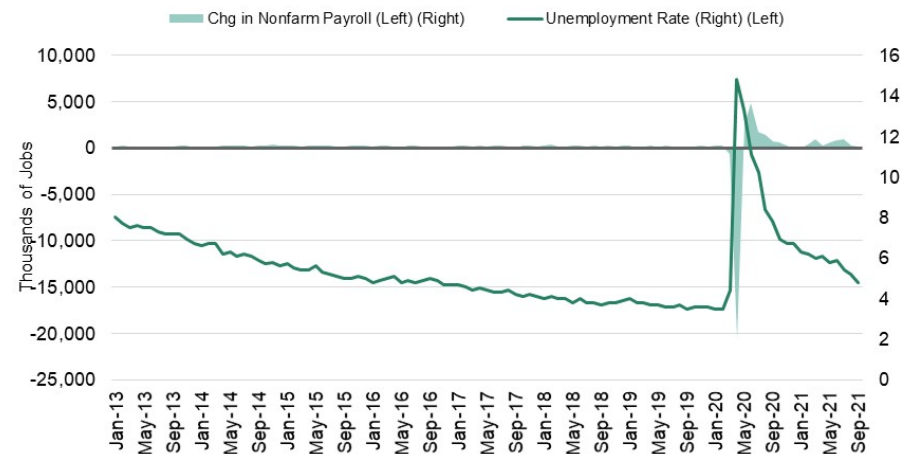
U.S. Real GDP Growth



Employment Picture

- The unemployment rate was 4.8% in September, a decline from the previous quarter's level. Nonfarm payrolls rose by 1.4 million over the quarter, though in September payrolls only grew by 194,000. While the unemployment rate is the lowest since March 2020, labor shortages persist in several sectors and job growth slowed late in the quarter.
- The leisure and hospitality sector gained the most in September (74k), as bars and restaurants continue to reopen. Professional and business services (60k) and retail (56k) were sectors where jobs grew.
- Despite these gains, the U.S. remains about 5 million jobs short of its February 2020 level.

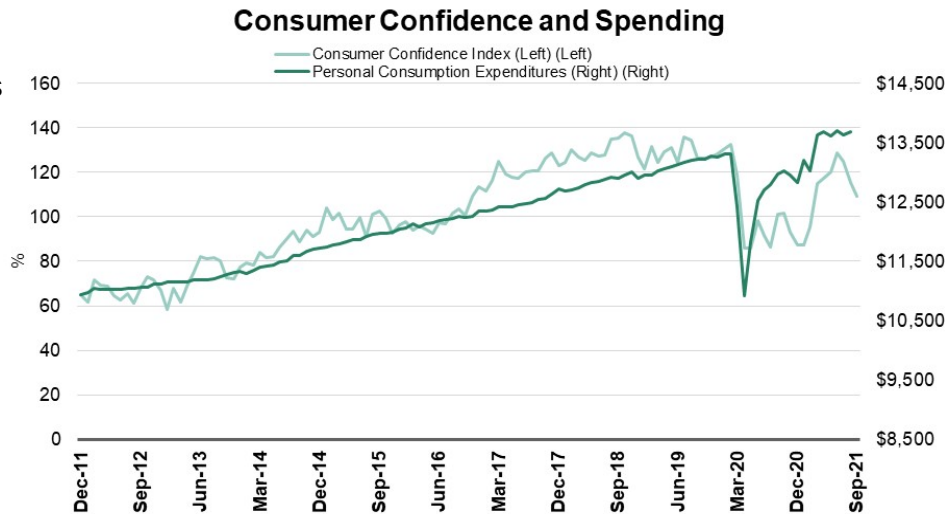
U.S. Nonfarm Payrolls and Unemployment Rate



Quarter In Review: U.S. Economy

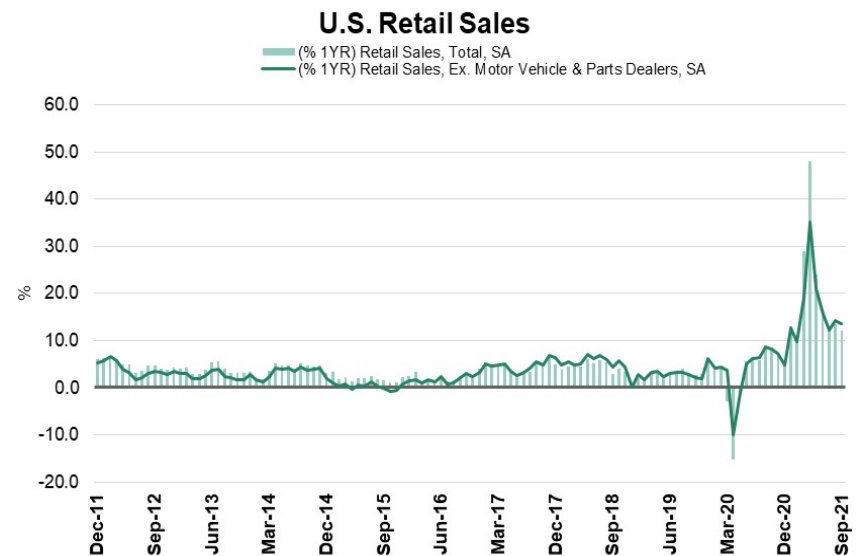
Consumer Confidence and Spending

- Consumer confidence fell to a seven-month low in September as the Delta variant's effect on the economy led to growing concerns about growth.
- Personal consumption expenditures rose in August*.



Retail Sales

- Retail sales were up 13.9% from one year ago.
- Demand for goods was still strong, even though enhanced government benefits came to an end in September. Children returning to school and more adults going back to the office account for some of the increase.
- Sporting goods, music and book stores had some of the biggest increases in September.

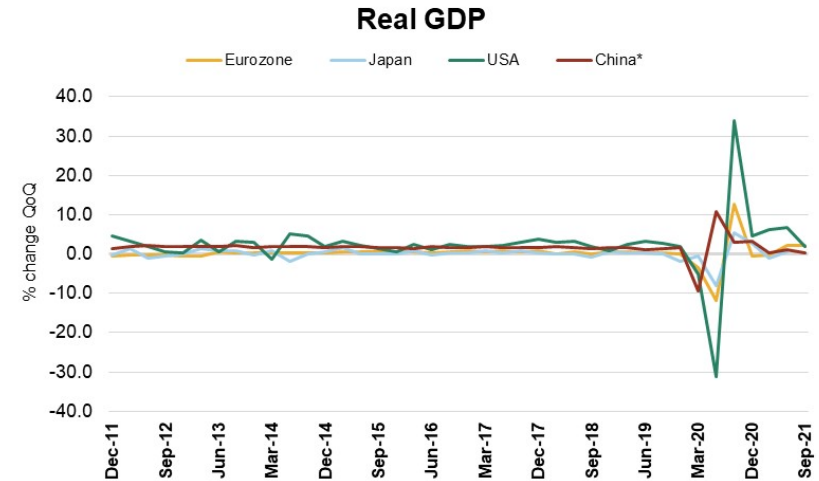


*The most recent data available.
Source this page: FactSet

Quarter In Review: Global Economy

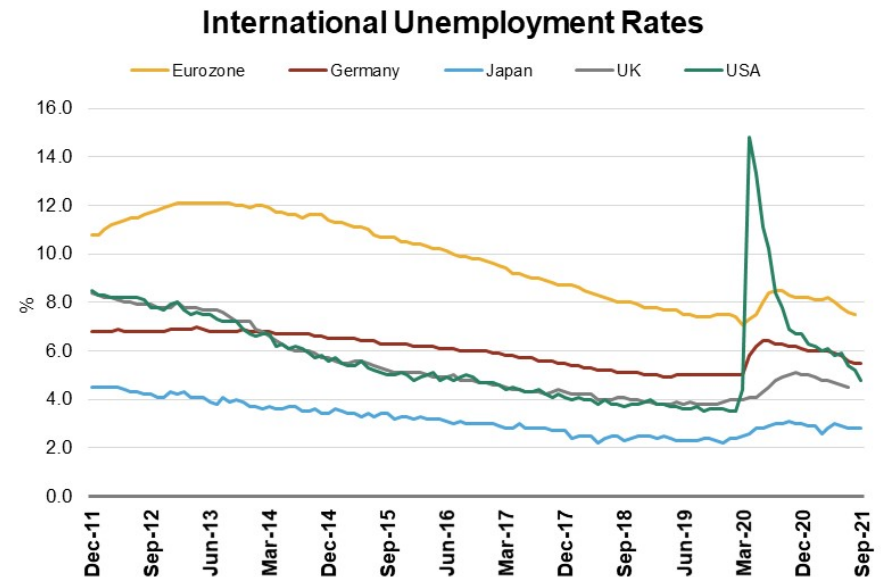
World GDP Growth

- Eurozone GDP rose 2.2% quarter over quarter (QoQ), slightly ahead of market expectations. Strong domestic demand and exports helped growth.
- China's GDP grew at a rate of 0.2% in the quarter ending September 30, the weakest quarterly growth rate since early 2020. The country's annual growth rate rose 4.9%.
- Japan's GDP rose 0.5% in the quarter ending June 30**. Household consumption and fixed investment both rose in the quarter.
- U.S. GDP increased 2.0% in the quarter ending September 30.



Global Employment Picture

- Eurozone unemployment was 7.5% in August 2021**, in line with expectations. The labor market continues to show signs of improvement as the region recovers from the pandemic.
- Germany and Netherlands had two of the lowest unemployment rates in the EU, with higher rates seen in Spain (14%) and Italy (9.3%).
- Japan's unemployment rate was at to 2.8% in September, in line with market consensus.



*Quarter over quarter data calculations began in 2011.

**Most recent data available.

Source this page: FactSet

Quarter In Review: Global Equity Overview

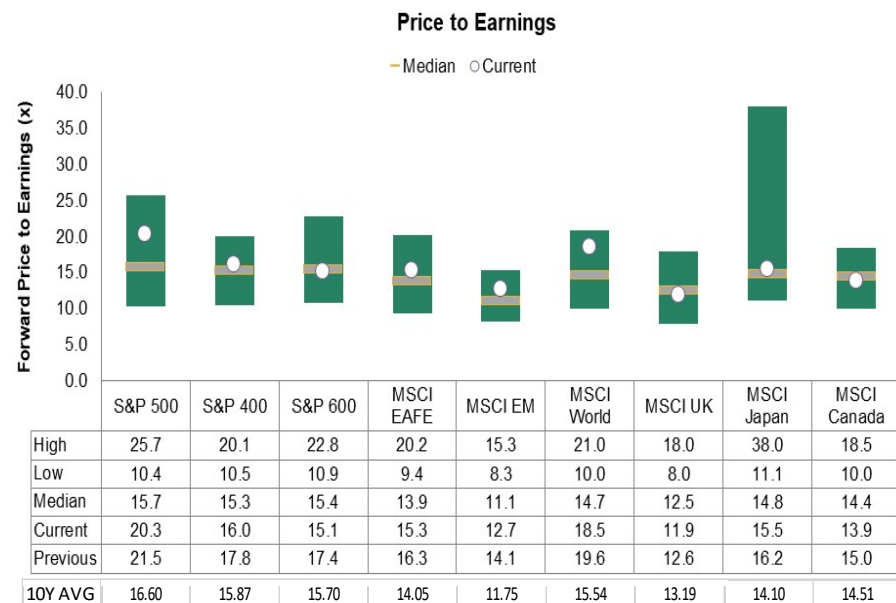
Equity Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
S&P 500	0.58	15.92	30.00	15.99	16.90	16.63
MSCI Europe, Australasia and Far East (EAFE)*	-0.45	8.35	25.73	7.62	8.81	8.10
MSCI Emerging Markets (EM)*	-8.09	-1.25	18.20	8.58	9.23	6.09

All data in the table are percentages.

* Net dividends reinvested

Global Equity Performance and Valuations

- US (+0.6%) and developed international (-0.5%) markets were relatively flat for the quarter ending September 30, while emerging markets (-8.1%) were dragged down by country specific issues as the year to date return for the MSCI EM index has become negative.
- Markets were primarily positive during the first two months of the quarter with a strong earnings season; however fears around inflation drove a September correction, which erased July and August gains.
- Vaccination rates continued to increase during the third quarter, with several European nations fully vaccinating 75% of their population. However, Covid-19 cases saw another sharp increase when the Delta variant became the dominant strain globally.
- Valuations, using price-to-earnings as a proxy, have dropped slightly during the third quarter across the board; however, most regions remain above their 10-year averages, with Canada and the UK being exceptions.



Data range is from 3/31/00-9/30/21. P/E ratios are forward 12 months.

Quarter In Review: U.S. Equity

U.S. Equity Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
S&P 500	0.58	15.92	30.00	15.99	16.90	16.63
Russell 1000	0.21	15.19	30.96	16.43	17.11	16.76
Russell 1000 Growth	1.16	14.30	27.32	22.00	22.84	19.68
Russell 1000 Value	-0.78	16.14	35.01	10.07	10.94	13.51
Russell 2000	-4.36	12.41	47.68	10.54	13.45	14.63
Russell 2000 Growth	-5.65	2.82	33.27	11.70	15.34	15.74
Russell 2000 Value	-2.98	22.92	63.92	8.58	11.03	13.22
Russell Midcap	-0.93	15.17	38.11	14.22	14.39	15.52
Russell 3000	-0.10	14.99	31.88	16.00	16.85	16.60

All data in the tables are percentages.

Performance

- The US market was up just +0.6% during the quarter, as inflation and another surge in Covid-19 cases caused by the Delta variant were notable headwinds.
- Large cap growth stocks supported broad US markets as the Russell 1000 growth rose by 1.2% while the Russell 3000 fell -0.1%. Value underperformed growth within large cap, while the opposite was the case within smaller cap stocks as the Russell 2000 Value (-3.0%) outperformed the Russell 2000 Growth (-5.7%). Small cap stocks broadly underperformed during the quarter as increased uncertainty regarding economic growth caused investors to favor large cap stocks.
- US sectors were within a fairly tight band for the quarter, with Financials (+2.7%) and Utilities (+1.8%) leading markets, while Industrials (-4.2%) and Materials (-3.5%) were laggards. While energy was down -1.7% during the quarter, that sector rose +9.4% in September as oil supply constraints pushed prices up.

S&P 500 Sector Returns	QTD	1-Year
Cons. Disc.	0.01	19.15
Cons. Staples	-0.31	11.34
Energy	-1.66	82.99
Financials	2.74	59.13
Healthcare	1.43	22.56
Industrials	-4.23	28.96
IT	1.34	28.90
Materials	-3.51	26.48
Telecom	1.60	38.39
Real Estate	0.88	30.53
Utilities	1.78	11.01

Quarter In Review: International Equity

MSCI International Equity Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
World ex. U.S.	-0.66	9.19	26.50	7.87	8.88	7.88
EAFE	-0.45	8.35	25.73	7.62	8.81	8.10
EAFE Local Currency	1.32	14.23	27.20	7.16	9.01	10.10
Europe	-1.55	10.07	27.25	7.81	8.85	8.15
Europe ex U.K.	-1.91	9.45	26.14	9.61	10.23	9.19
U.K.	-0.30	12.19	31.20	2.37	4.82	5.40
Japan	4.56	5.90	22.07	7.54	9.36	8.35
Pacific Asia ex Japan	-4.40	4.78	25.80	6.75	7.74	7.40

All data in the tables are percentages and net dividends reinvested.

Performance

- Developed international markets fell -0.7% during the quarter as gains following a strong June quarter earnings season were reversed in September with rising concern over inflation. Eurozone annual inflation was 3.4% in September, up from 3.0% in August and 2.2% in July.
- The German market (-4.3%) notably lagged other developed international markets, as it fell 5.6% during September amidst increasing inflation, election uncertainty and high profile worker strikes.
- Japan (+4.6%) outperformed other developed nations as the country's market rose 2.9% during September as the Covid-19 vaccination rate climbed above 60% and Prime Minister Yoshihide Suga announced he would not seek re-election.
- Energy (+8.7%) led all EAFE sectors rising with prices of Brent Crude, while Materials (-5.7%) and Utilities (-4.6%) notably trailed, following announcements of price caps in some countries.

MSCI EAFE Sector Returns	QTD	1-Year
Consumer Disc.	-3.59	31.67
Cons. Staples	-3.44	9.02
Energy	8.72	62.05
Financials	1.75	44.50
Healthcare	0.46	9.70
Industrials	1.28	28.12
IT	5.02	36.19
Materials	-5.74	25.18
Telecom	-4.14	16.16
Utilities	-4.59	4.36
Real Estate	-3.08	20.19

Quarter In Review: Emerging Market Equity

MSCI EM Equity Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Emerging Markets	-8.09	-1.25	18.20	8.58	9.23	6.09
EM Local Currency	-6.69	0.73	16.86	9.45	10.38	8.66
Asia	-9.59	-4.15	13.93	10.00	10.73	8.52
EMEA	4.16	20.87	40.63	7.63	6.71	2.77
Latin America	-13.26	-5.55	27.34	-1.36	1.85	-1.08

All data in the tables are percentages and net dividends reinvested.

Performance

- Emerging markets returned -8.1% during the quarter as regulatory issues in China and interest rate hikes in Brazil provided major headwinds for their respective markets.
- Latin American markets (-12.3%) fell, largely driven by Brazil, where disappointing GDP growth in the prior quarter and central bank interest rate hikes hampered market returns.
- Asian markets lagged the broader emerging markets index, dragged down by China (-18.2%) as further regulatory actions taken by the government, compounded by increased worry regarding market stability with the collapse of Real Estate Company Evergrande, held back market returns.
- Energy (+9.1%) and Utilities (+7.4%) were positive as the price of oil hit multi-year highs while Consumer Discretionary (-22.9%) and Telecom (-15.1%) trailed the index. Several high profile Chinese stocks in Alibaba (-35.4%), Tencent (-22.8%), and Meituan (-20.1%) dropped significantly.

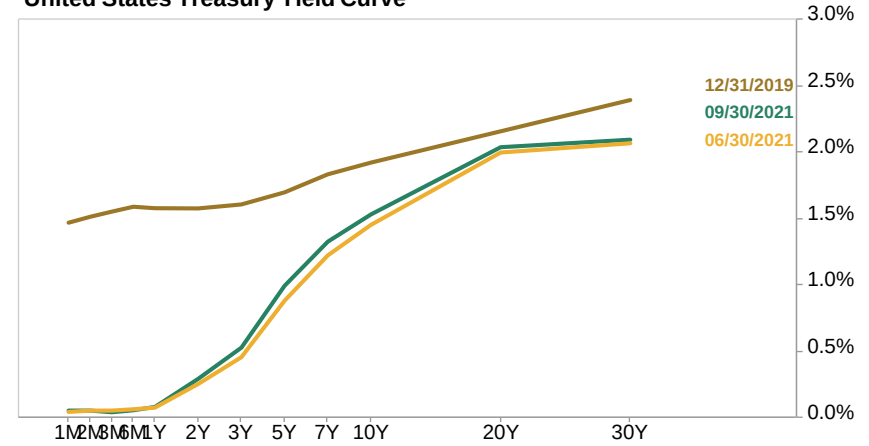
MSCI EM Sector Returns	QTD	1-Year
Cons. Disc.	-22.93	-16.85
Cons. Staples	-4.41	13.35
Energy	9.10	44.47
Financials	0.97	35.03
Healthcare	-13.02	12.90
Industrials	-6.48	31.92
IT	-5.91	37.25
Materials	-4.83	46.13
Telecom	-15.11	1.91
Utilities	7.44	35.19
Real Estate	-14.20	-9.40

Quarter In Review: Fixed Income Overview

Yield Curve

- The yield curve steepened slightly, with modest rate increases at the mid and tail end of the curve.
- Ultra-short maturity yields declined slightly, with the 3- and 6-month Treasuries declining 1 basis point over Q2.
- Shorter-maturity yields rose, with the 1- and 3-year Treasuries rising by 2 basis points and 7 basis points respectively over the prior quarter.
- The 5- and 7-year Treasuries yield experienced more meaningful increases of 11 basis points, ending the quarter at 0.98% and 1.32%. The 10- and 20-year Treasury showed modest increases of 7 and 2 basis points respectively, ending the quarter at 1.52% and 2.02%.

United States Treasury Yield Curve

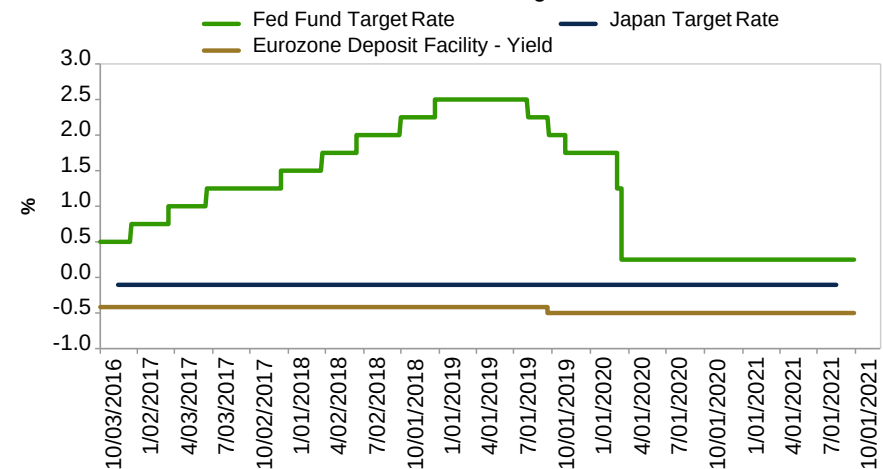


Monetary Policies/Global Interest Rates

- Central bank deposit rates remained negative in Japan and Europe.
- Despite rate cuts in 2020, the Fed continues to eschew negative rates. The U.S. policy rate hovers above those of the Eurozone and Japan, at 0-0.25%.
- Rates in the U.S. remain unchanged since the prior quarter despite the continued decline of the pandemic.

Interest Rates	Fed Funds Rate	EZ Deposit Facility Rate
Average	5.02	0.85
Max	20.00	3.75
Min	0.25	-0.50

Central Bank Target Rates



Quarter In Review: U.S. Fixed Income

U.S. Fixed Income Indices*	QTD	YTD	1-Year	3-Year	5-Year	10-Year
U.S. Aggregate	0.05	-1.55	-0.90	5.36	2.94	3.01
Government/Credit	0.04	-1.93	-1.13	5.94	3.24	3.24
Government	0.08	-2.42	-3.20	4.88	2.26	2.21
Investment Grade Corporate	-0.00	-1.27	1.74	7.45	4.61	4.87
Investment Grade CMBS	-0.03	-0.25	1.00	5.71	3.36	4.16
U.S. Corporate High Yield	0.89	4.53	11.28	6.91	6.52	7.42
FTSE** 3-Month T-Bill	0.01	0.03	0.06	1.14	1.13	0.60
Hueler Stable Value	0.55	1.73	2.37	2.34	2.14	2.13

* Bloomberg Barclays Indices, unless otherwise noted.

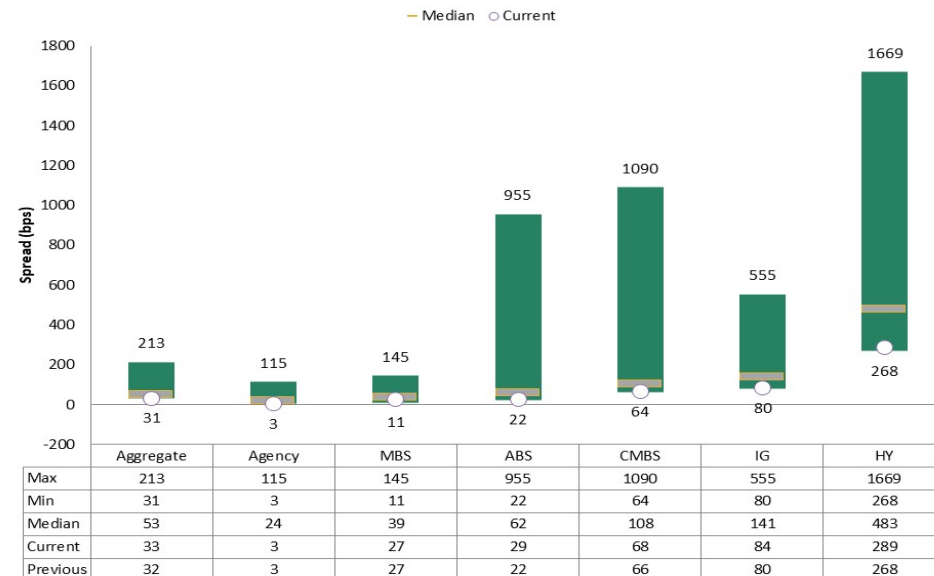
** Formerly Citigroup. Citigroup's fixed income indices were purchased by London Stock Exchange Group (LSEG) and were rebranded to FTSE by July 31, 2018. FTSE Russell is a unit of LSEG's Information Services Division and a wholly owned subsidiary of LSEG.

All data in the table are percentages.

Performance and Spreads

- The U.S. Aggregate Index was positive in the quarter across all sectors but Investment Grade CMBS and Investment Grade Corporates returned 0%.
- U.S. High Yield had the strongest sector performance of 0.89% followed by Stable Value at 0.55% for the quarter. Investment Grade CMBS experienced the weakest performance in Q3 at -0.03%.
- Domestic fixed income spreads increased across all sectors but Agency and MBS, which remained flat relative to the prior quarter. U.S. High Yield showed the largest increase.

Fixed Income Spreads



Quarter In Review: International Fixed Income

Global Fixed Income Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Bloomberg Barclays Global Aggregate	-0.88	-4.06	-0.91	4.24	1.99	1.86
Bloomberg Barclays Global Aggregate (Hgd)	0.09	-1.43	-0.56	4.64	2.89	3.57
FTSE Non-U.S. WGBI*	-1.97	-7.86	-3.41	2.89	0.76	0.50
FTSE Non-U.S. WGBI (Hgd)	0.00	-2.31	-1.45	4.15	2.67	3.94
JPM EMBI Global Diversified**	-0.70	-1.36	4.36	5.65	3.89	5.80
JPM GBI-EM Global Diversified***	-3.10	-6.38	2.63	3.66	2.06	1.05

All data in the table are percentages.

* Formerly Citigroup. The FTSE Non-U.S. World Government Bond Index (WGBI) measures the performance of fixed-rate, local currency, investment grade sovereign bonds excluding the U.S.

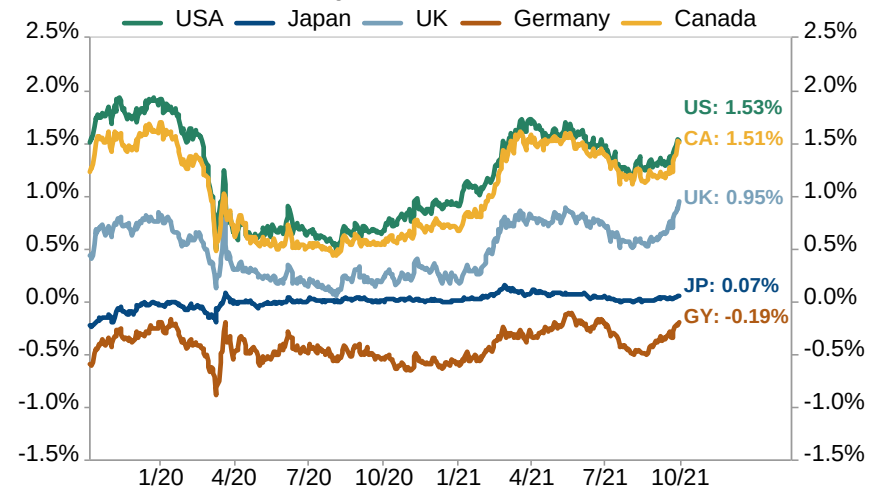
** The JP Morgan Emerging Market Bond Index (EMBI) Global Diversified index measures government bonds in hard currencies.

*** The JP Morgan Government Bond Index – Emerging Markets (GBI-EM) Global Diversified index measures government bonds in emerging markets.

Global Performance and Yields

- Government yields rose in the quarter in the U.S., Japan, UK, and Canada.
- Central banks globally have implemented more stimulus measures as economic consequences of the pandemic linger. Interest rates remain low worldwide.
- The U.S. dollar appreciated relative to the yen, euro, and British pound.
- Negative returns in the quarter for emerging markets further detracted from YTD returns, which remain negative.

Global 10Y Treasury Yields



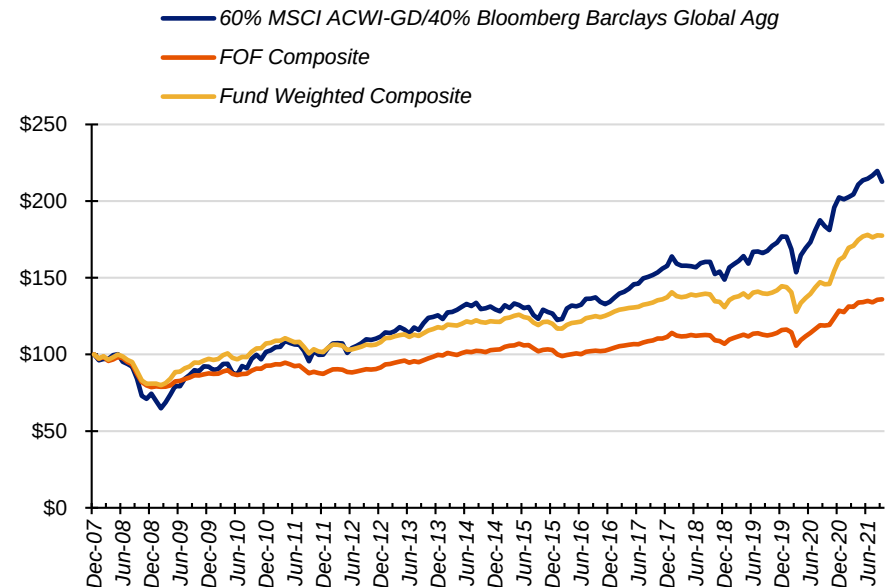
Quarter In Review: Absolute Return Strategies

HFRI Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Fund of Funds Composite	0.83%	5.83%	14.41%	6.53%	5.82%	4.47%
Fund Weighted Composite	-0.29	9.79	21.77	8.43	7.25	5.83
Event Driven	-0.21	11.49	24.55	7.61	7.38	6.34
Equity Hedge	-0.85	11.01	27.54	10.84	9.65	7.60
Macro	-0.19	8.14	13.42	5.84	3.40	2.04
Emerging Markets	-2.35	7.18	19.61	9.05	7.34	5.21
Relative Value	1.03	7.67	13.35	4.92	4.98	5.28

Hedge Fund Performance

- The HFRI Fund Weighted Composite Index lost -0.29% in the quarter ending September 30. Relative Value funds were the strongest performers (up 1.03% in the quarter) while funds focused on emerging markets experienced the largest loss (-2.35%).
- Within Relative Value, funds focused on serving as yield alternatives led peers, posting a return of 3.01% in the quarter. Funds in the category focused on volatility investing suffered the largest loss in the quarter, down -0.36%.
- In emerging markets, funds targeting investments in India experienced substantial gains, up 11.46% in the quarter, while funds with an emphasis on China experienced material losses, down -9.87%. Meaningful losses were also experienced by funds targeting investments in Latin America and Asia excluding Japan, down -7.69% and -4.49%, respectively.
- The Fund of Funds Composite Index gained 0.83% in the quarter. The peer group outperformed the 60% MSCI ACWI / 40% Bloomberg Barclays Global Aggregate blended index, which experienced a loss of -0.91%.

HFR Fund Weighted and Fund of Funds Composite Growth of \$100 | January 2008 – September 2021

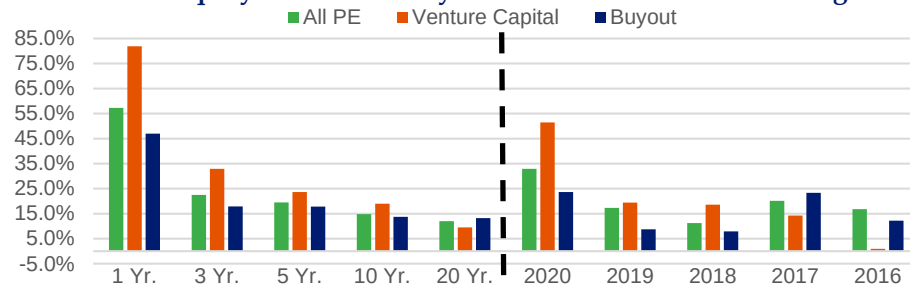


Quarter In Review: Private Equity

Performance

- The total return for private equity funds, comprising performance across all strategies, was 57.3% over the 1-year period and 9.8% for the quarter ending Q1 2021.
- The 3-, 5-, 10-, and 20-year returns for US private equity funds were 22.5%, 19.5%, 14.8% and 12.0%, respectively, as of 3/31/2021.
- There was a slight pull back in performance during the first quarter of 2020 due to the pandemic, but private equity managers continued to perform in the first quarter of 2021. Recent vintages of venture capital managers continue to outperform buyout and growth managers.

Private Equity Performance by Investment Horizon and Vintage Year

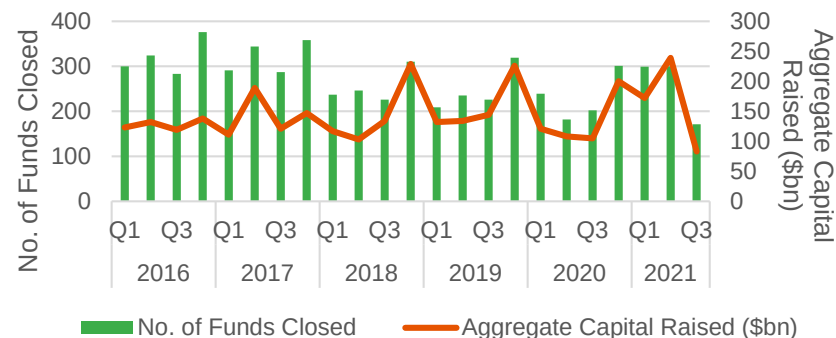


Performance is pooled IRR of the peer group as reported by ThomsonOne/Cambridge Associates. All PE includes BO, VC, Growth, Fund of Funds, and Secondary funds.

Fundraising

- Globally, private equity funds raised approximately \$83 billion across 171 funds in Q3 2021. It is below the average number of funds over the past 23 quarters.
- As of September 2021, there were 2,386 private equity funds raising capital targeting an aggregate \$764 billion.

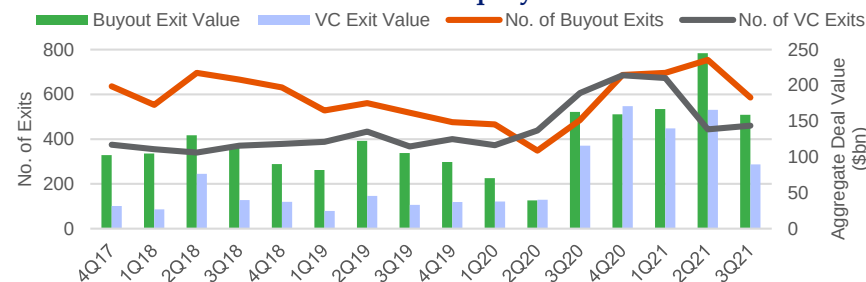
Global Quarterly Private Equity Fundraising, Q1 2016 – Q3 2021



Exit Activity

- Both buyout and venture activity and value saw a dramatic rebound in 3Q and 4Q 2020 and continue to moderate in Q3 2021 from elevated levels in Q1 and Q2 2021.
- The value of exits decreased quarter over quarter for buyouts and venture. The number of venture exits increased slightly, while the number of buyout exits decreased.

Global Private Equity Exits

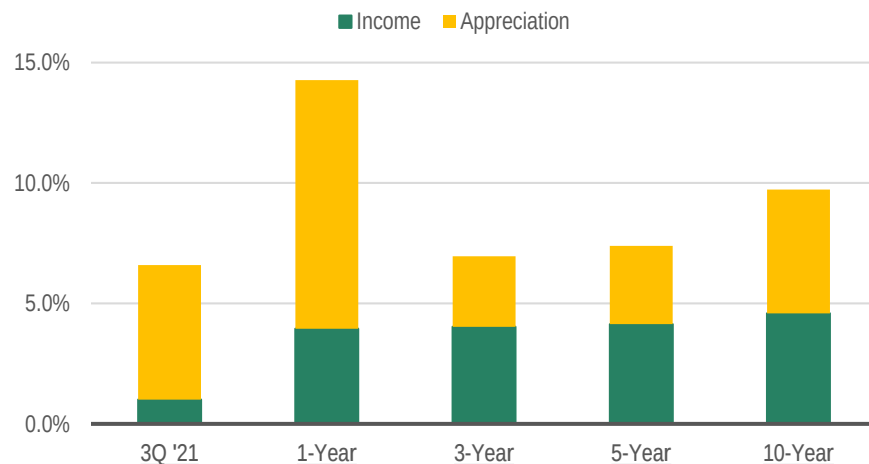


Quarter In Review: Real Estate

Real Estate Performance*

- NFI-ODCE returned 6.59% (Gross) for the quarter, while the NCREIF-NPI returned 5.23% and the NAREIT Equity REIT Index returned 0.23%.
- Income return for the NFI-ODCE was 1.01%. Appreciation of assets generated a 5.58% return for the quarter¹.
- In the U.S., for the quarter ending September 30 retail sector appreciation was 0.36%, apartment sector appreciation was 5.59%, office sector appreciation was 0.76% and industrial sector appreciation was 9.93%. For the same time period, retail sector income was 1.19%, apartment sector income was 0.94%, office sector income was 1.11% and industrial sector income was 0.99%.
- In the U.S., the return for the quarter ending September 30 by region was: East (4.01%), Midwest (3.68%), South (6.04%) and West (6.05%).

NCREIF Fund Index (NFI) Open-End Diversified Core (ODCE) Real Estate Performance¹

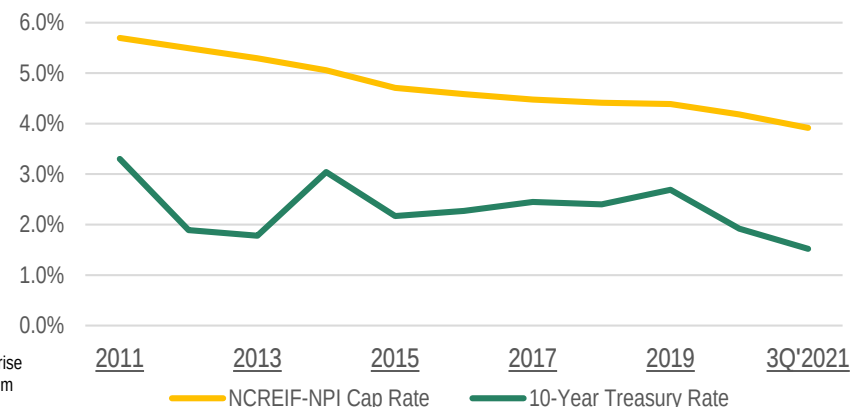


The NFI-ODCE (Open-end Diversified Core Equity) is defined by NCREIF as a fund-level cap-weighted, gross of fee, time-weighted return index with an inception date of December 31, 1977. 1. The sum of income and appreciation returns may not equal total return due to rounding and/or the compounding of individual component returns to each other.

Real Estate Capitalization Rates* vs. Treasuries

- Nationally, cap rates compressed 10 basis points in the quarter ending September 30 to 3.92%, and operating income improved to 2.25% in the quarter.
- The 10-year Treasury averaged 1.32% in the quarter, and ended it at 1.52%. As a result, the spread between the 10-year Treasury rate and cap-rates at the end of the quarter contracted 17 bps from the previous quarter to 240 bps.

Capitalization Rates & 10-Year U.S. Treasury Rates



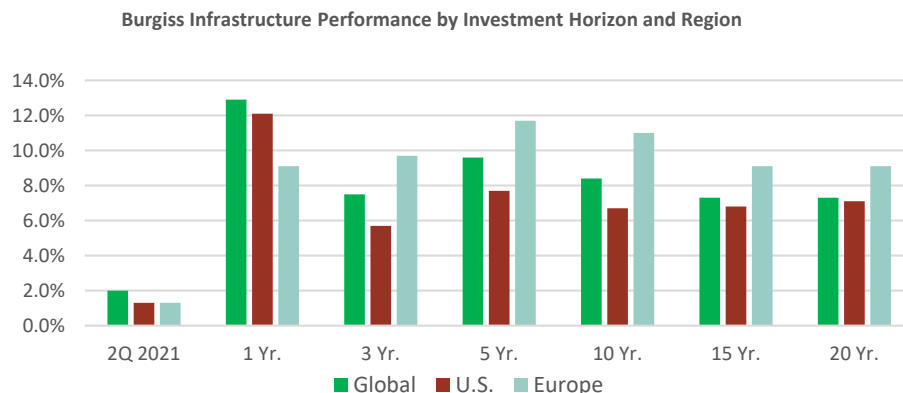
*A cap rate is the potential rate of return on a real estate investment. Assuming no change in net operating income, real estate valuations rise when cap rates fall. Comparing cap rates to the 10-year U.S. Treasury provides investors with an estimated spread for expected returns from real estate (higher risk) vs. fixed rate bond (lower risk) investments. NFI-ODCE returns are preliminary performance.

Sources this page: NCREIF, NPI, FRED Economic Data (Federal Reserve Bank of St Louis) 1. The sum of income and appreciation returns may not equal total return due to rounding and/or the compounding of individual component returns to each other.

Quarter In Review: Infrastructure

Performance

- The total return for U.S. private infrastructure funds was 1.3% in the quarter ending June 2021* and 12.1% over the 1-year period ending 6/30/2021.
- On a relative basis, Global infrastructure led in performance throughout the quarter ending June 30 (2.0%) whereas European and U.S. funds posted 1.3% each in Q2.
- The 3-, 5-, 10-, 15-, and 20-year returns for U.S. private infrastructure funds were 5.7%, 7.7%, 6.7%, 6.8%, 7.1%, respectively, at the end of the quarter ending June 30 2021.
- Public infrastructure registered a 4.1% return in Q2 2021 as per the FTSE Global Core Infrastructure 50/50 Index. Trailing 1-, 3-, 5-year returns are 19.4%, 8.8% and 8.1%, respectively, with trailing volatility of 10.7%, 15.1%, and 12.8%.



Fundraising

- Fundraising has returned to pre-pandemic levels, as funds that initiated fundraising in 2019 have started to close, including the majority of funds with extended fundraises..
- Extended duration in Infrastructure fundraising also reflects the long term trend of competition for allocations in the asset class. In 2016, 46% of funds closed in less than 12 months, while in 2021, 5% funds closed in less than 12 months.
- North America and Europe focused funds continue to drive the demand. Of the funds that closed in the quarter ending September 30, 54% were focused in North America, 45% in Europe.

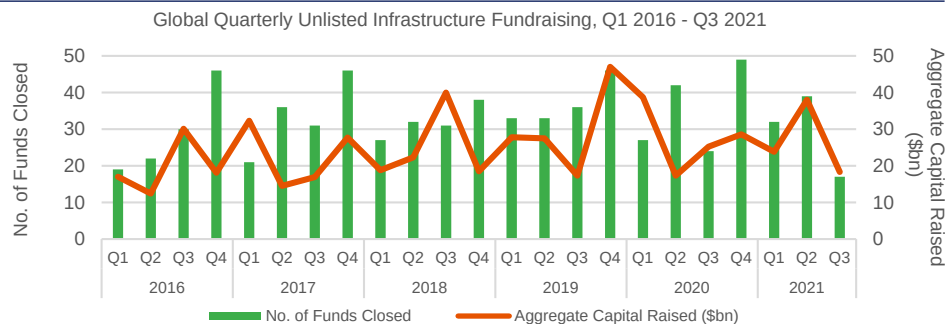


Fig. 10: Quarterly Infrastructure Deals, Q1 2016 - Q3 2021

Deal Activity

- Deal activity has started to pick up as pricing has become more favorable although the number of transactions has declined. The activity has been dominated by larger assets changing hands, including the privatization of large public infrastructure companies.
- The focus on telecom continues to grow, accounting for 8% of the deal volume in 2021 but representing 26% of the value.



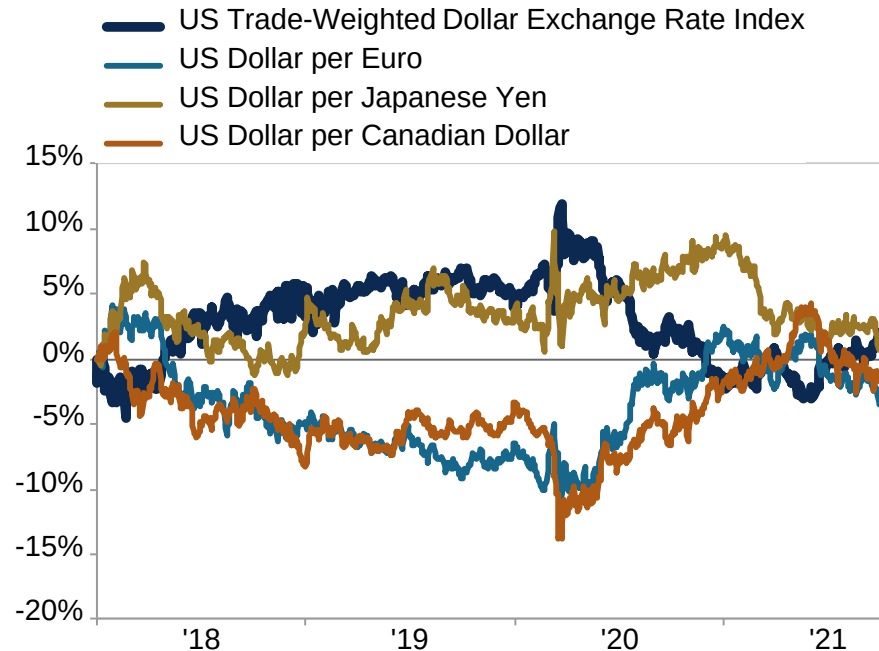
*Most recent data available from Burgiss PrivateI. Preliminary returns Source: Preqin

Quarter In Review: Commodities and Currencies

BCOM Indices	QTD	YTD	1-Year	3-Year	5-Year	10-Year
Bloomberg Commodity Index (BCOM)	6.59	29.13	42.29	6.86	4.54	-2.66
Energy	20.99	74.93	78.80	-5.97	0.68	-8.92
Agriculture	-1.03	19.20	44.67	12.25	1.87	-2.31
Industrial Metals	2.05	20.01	37.11	10.90	10.55	1.15
Precious Metals	-4.56	-10.00	-7.83	12.21	3.78	-1.15
Livestock	-2.01	6.64	9.25	-8.22	-0.61	-4.77

Commodity and Currency Highlights

- The Bloomberg Commodity Index surged in the quarter. Energy (+21%) made the biggest gain. Natural gas prices were strongly higher, as was the price of heating oil.
- Other commodity sectors did not perform nearly as well. Industrial metals (+2.1%) were a bit higher with aluminum making gains. Precious metals (-4.6%) were lower as silver made a significant decline.
- The US dollar was higher in the quarter and appreciated relative to the euro, yen and Canadian dollar.



Segal Marco Advisors Benchmark Report

As of September 30, 2021

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD
Best	39.8	5.2	79.0	29.1	10.7	19.5	43.3	27.9	5.7	31.7	37.8	1.9	36.4	38.5	22.9
	11.8	2.1	58.2	27.3	7.8	18.6	38.8	13.5	3.3	21.3	30.2	1.3	31.4	34.6	21.2
	11.6	-2.5	37.2	26.9	6.6	18.1	34.5	13.2	2.4	17.3	25.6	0.0	28.5	21.0	16.1
	10.3	-21.4	34.5	24.5	5.0	17.9	33.5	13.1	0.9	17.1	22.2	-1.5	28.0	20.0	15.2
	7.0	-26.2	32.5	19.2	2.6	17.5	33.1	9.1	0.5	12.1	21.7	-2.1	26.5	18.7	14.3
	7.0	-28.9	28.4	16.7	1.5	16.4	32.5	6.0	0.0	11.6	14.6	-3.5	25.5	10.9	12.4
	5.8	-33.8	28.4	16.1	0.4	16.3	23.3	5.6	-0.3	11.3	13.7	-4.0	22.7	8.3	8.8
	4.9	-36.8	27.2	15.5	0.1	15.8	9.0	4.9	-0.4	8.4	9.4	-4.8	22.4	7.5	5.8
	3.4	-37.6	20.6	15.1	-2.9	15.3	7.4	4.2	-1.4	7.1	7.8	-8.3	18.9	7.1	4.5
	1.9	-38.1	19.7	8.2	-4.2	14.6	1.2	3.4	-3.8	2.6	7.8	-9.3	14.3	5.2	2.8
	-0.2	-38.4	12.9	6.5	-5.5	6.8	0.0	2.5	-4.4	1.5	7.5	-11.0	8.7	4.6	0.8
	-1.6	-38.5	11.5	5.7	-5.7	4.8	-2.0	0.0	-4.5	0.5	5.4	-12.9	8.4	2.8	0.0
	-9.8	-43.1	5.9	2.4	-11.7	4.2	-2.3	-1.8	-7.5	0.3	3.5	-13.4	7.5	0.7	-1.0
Worst	-17.7	-53.2	0.2	0.1	-18.2	0.1	-2.6	-4.5	-14.6	0.2	0.9	-14.2	2.3	-6.3	-1.6
	R1000	R1000V	R1000G	R2000	R2000V	R2000G	MSCI EAFE	MSCI Emerging Markets	Blmbg. Municipal Bond	Barclays Agg.	Blmbg. U.S. Corp: High Yield	HFRI Fund of Funds Comp	Dow Jones Wilshire REIT	90 Day U.S. Treasury Bill	

Statistics Definition

Statistics	Definition
Return	- Compounded rate of return for the period.
Standard Deviation	- A statistical measure of the range of a portfolio's performance, the variability of a return around its average return over a specified time period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is the absolute rate of return per unit of risk. The higher the value, the better the product's historical risk-adjusted performance.
Alpha	- A measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. It is a measure of the portfolio's historical performance not explained by movements of the market, or a portfolio's non-systematic return.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of a portfolio's non-diversifiable or systematic risk.
R-Squared	- The percentage of a portfolio's performance explained by the behavior of the appropriate benchmark. High R-Square means a higher correlation of the portfolio's performance to the appropriate benchmark.
Tracking Error	- A measure of the standard deviation of a portfolio's performance relative to the performance of an appropriate market benchmark.
Information Ratio	- Measured by dividing the active rate of return by the tracking error. The higher the Information Ratio, the more value-added contribution by the manager.
Active Return	- Arithmetic difference between the managers return and the benchmark return over a specified time period.
Up Market Capture	- The ratio of average portfolio return over the benchmark during periods of positive benchmark return. Higher values indicate better product performance.
Down Market Capture	- The ratio of average portfolio return over the benchmark during periods of negative benchmark return. Lower values indicate better product performance.