

# Fairfax County Public Schools | First Quarter 2021

# **Quarterly Investment Review**

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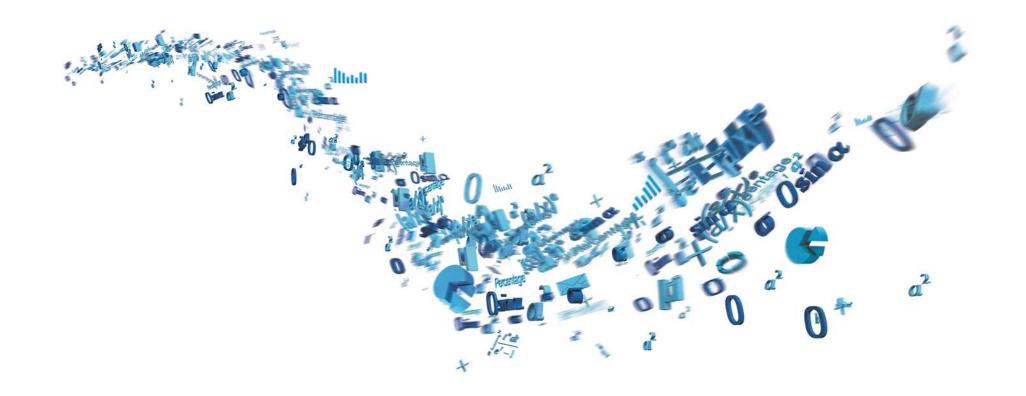
Visit our new video library with our views on key investment topics for this quarter using access code "aon!" (https://site-494121.bcvp0rtal.com/category/videos/key-topics-by-investor-type)



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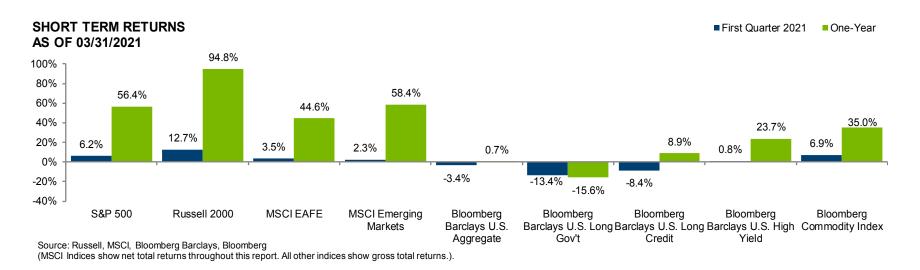


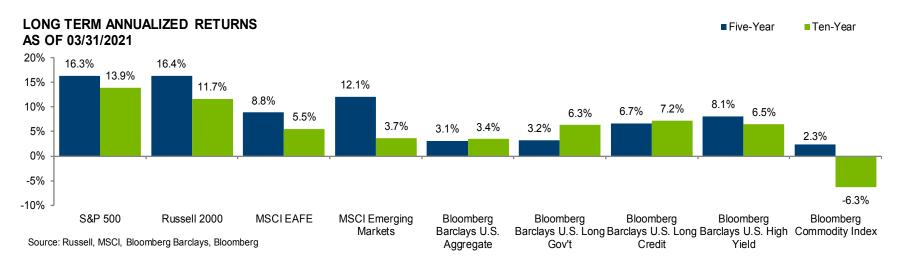


# **Executive Summary**



# **Market Highlights**





# Aon Proprietary & Confidential Investment advice and consulting services provided by Aon Investments USA Inc.



# **Market Highlights**

	Capital	Markets Retui	rns		
				Perio	d Ending 03/31/2021
	First Quarter	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>
Equity					
MSCI All Country World IMI	5.14%	57.58%	11.90%	13.21%	9.15%
MSCI All Country World	4.57%	54.60%	12.07%	13.21%	9.14%
Dow Jones U.S. Total Stock Market	6.45%	62.68%	17.05%	16.60%	13.75%
Russell 3000	6.35%	62.53%	17.12%	16.64%	13.79%
S&P 500	6.17%	56.35%	16.78%	16.29%	13.91%
Russell 2000	12.70%	94.85%	14.76%	16.35%	11.68%
MSCI All Country World ex-U.S. IMI	3.77%	51.94%	6.51%	9.84%	5.11%
MSCI All Country World ex-U.S.	3.49%	49.41%	6.51%	9.76%	4.93%
MSCI EAFE	3.48%	44.57%	6.02%	8.85%	5.52%
MSCI EAFE (Local Currency)	7.59%	36.56%	7.07%	8.82%	7.50%
MSCI Emerging Markets	2.29%	58.39%	6.48%	12.07%	3.65%
Fixed Income					
Bloomberg Barclays Global Aggregate	-4.46%	4.67%	2.80%	2.66%	2.23%
Bloomberg Barclays U.S. Aggregate	-3.37%	0.71%	4.65%	3.10%	3.44%
Bloomberg Barclays U.S. Long Gov't	-13.39%	-15.60%	5.84%	3.17%	6.30%
Bloomberg Barclays U.S. Long Credit	-8.39%	8.87%	7.48%	6.69%	7.23%
Bloomberg Barclays U.S. Long Gov't/Credit	-10.41%	-2.05%	7.14%	5.47%	6.98%
Bloomberg Barclays U.S. TIPS	-1.47%	7.54%	5.68%	3.86%	3.44%
Bloomberg Barclays U.S. High Yield	0.85%	23.72%	6.84%	8.06%	6.48%
Bloomberg Barclays Global Treasury ex U.S.	-5.93%	4.65%	0.89%	1.87%	1.10%
JP Morgan EMBI Global (Emerging Markets)	-4.74%	14.29%	3.87%	4.74%	5.35%
Commodities					
Bloomberg Commodity Index	6.92%	35.04%	-0.20%	2.31%	-6.28%
Goldman Sachs Commodity Index	13.55%	50.22%	-4.93%	1.18%	-8.60%
Hedge Funds					
HFRI Fund-Weighted Composite <sup>2</sup>	6.08%	34.11%	7.68%	7.53%	4.64%
HFRI Fund of Funds <sup>2</sup>	2.47%	24.56%	5.64%	5.74%	3.48%
Real Estate				2	21.272
NAREIT U.S. Equity REITS	8.87%	37.78%	9.45%	5.33%	8.56%
FTSE Global Core Infrastructure Index	5.43%	27.55%	10.85%	9.81%	9.63%
Private Equity					
Burgiss Private iQ Global Private Equity <sup>3</sup>		6.20%	11.83%	10.92%	12.93%
Dargios i fivate la Olobai i fivate Equity		0.2070	11.0070	10.5270	12.00/0

MSCI Indices show net total returns throughout this report. All other indices show gross total returns.

#### Aon

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<sup>&</sup>lt;sup>1</sup> Periods are annualized.

 $<sup>^{\</sup>rm 2}$  Latest 5 months of HFR data are estimated by HFR and may change in the future.

 $<sup>^3</sup>$ Burgiss Private iQ Global Private Equity data is as at June 30, 2020

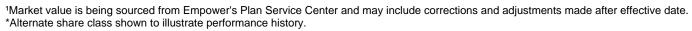
#### Thought Leadership Highlights **Defined Contribution** Topic Article Link CIO Perspective—Investing in 2021: The Real Risk/Return Challenge Aon United Link **Request directly from Consultant** Governance Memo on Executive Order 13959—Prohibition of Investment in Securities of Chinese Military Companies Market View AA View: How far Could U.S. Yields Rise? Link Market View AA View: U.S. Dollar Weakness has Further to Run Link Market View Link U.S. Month in Markets (March 2021) **Link to Video** Market View Client Video: Value Underperformance (access code 'aon!') Market View Quarterly Investment Outlook—January 2021 Link Annual Outlook Link 6-Key Themes for Defined Contribution Plans **Link to Video** Plan Design Client Video: Aon Pooled Employer Plan (3 minutes) **Link to Video** Plan Design Client Video: DC Retirement Income (10 minutes, passcode 'aon!') Strategy Review 3 Ways Retirement Plans Are Evolving Link Strategy Review Diverse Manager Investing Survey Report Link Strategy Review Are Managed Accounts More Efficient Than Target Date Funds? Full White Paper Summary Strategy Review Private Equity in Defined Contribution Plans Link **Talent Management** Reimagining Total Rewards for a Changing World Link Link to Article Link to Audio Summary Legal & Compliance Legal & Compliance quarterly update newsletter Legal & Compliance 2021 Compliance Calendar Link



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## **Asset Allocation & Performance**

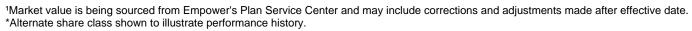
	Allocati	on			Performa	ance(%)		
	Market Value (\$000)	%	1 Quarter	1 Year	3 Years	5 Years	7 Years	10 Years
Total 457(b) Plan	308,717.33	100.00						
U.S. Fixed Income	59,323.25	19.22						
Great West Portfolio Fund¹	38,787.28	12.56	0.48	1.95	1.95	1.95	1.95	1.97
90 Day U.S. Treasury Bill			0.02	0.12	1.49	1.18	0.86	0.62
Stable Value Institutional Peer Group			0.39	1.83	2.02	1.86	1.73	1.76
PIMCO Total Return Adm	20,003.86	6.48	-3.14 (59)	3.00 (70)	4.63 (65)	3.58 (45)	3.32 (57)	3.49 (65)
Blmbg. Barc. U.S. Aggregate			-3.38 (70)	0.71 (88)	4.65 (64)	3.10 (70)	3.31 (58)	3.44 (65)
PIMCO Inflation Response MultiAsst Inst	532.11	0.17	1.47 (74)	24.72 (74)	5.58 (69)	6.04 (74)	3.62 (82)	-
PIMCO IRMA Benchmark			0.31 (86)	15.43 (93)	4.27 (84)	3.74 (96)	1.62 (95)	1.38 (99)
Target Date	48,634.60	15.75						
T. Rowe Price Retirement I 2005 I	740.53	0.24	1.96 (16)	26.75 (11)	8.38 (12)	7.92 (10)	-	-
T. Rowe Price Retirement 2005*			1.92 (16)	26.49 (13)	8.23 (14)	7.80 (11)	6.20 (10)	6.39 (17)
T. Rowe Price Retirement 2005 Index			0.84 (49)	21.18 (48)	8.43 (11)	7.63 (13)	6.26 (9)	6.41 (17)
T. Rowe Price Retirement I 2010 I	358.49	0.12	2.21 (1)	29.09 (1)	8.86 (1)	8.51 (1)	-	-
T. Rowe Price Retirement 2010*			2.18 (1)	29.01 (1)	8.72 (1)	8.38 (1)	6.64 (1)	6.89 (5)
T. Rowe Price Retirement 2010 Index			1.17 (29)	23.94 (32)	8.93 (1)	8.25 (1)	6.71 (1)	6.92 (1)
T. Rowe Price Retirement I 2015 I	1,916.91	0.62	2.60 (1)	32.21 (1)	9.37 (1)	9.30 (1)	-	-
T. Rowe Price Retirement 2015*			2.54 (1)	31.89 (1)	9.20 (1)	9.15 (1)	7.22 (1)	7.58 (1)
T. Rowe Price Retirement 2015 Index			1.49 (24)	26.77 (28)	9.42 (1)	9.03 (1)	7.28 (1)	7.61 (1)
T. Rowe Price Retirement I 2020 I	8,315.14	2.69	2.97 (1)	35.97 (1)	9.90 (1)	10.25 (1)	-	-
T. Rowe Price Retirement 2020*			2.95 (1)	35.83 (1)	9.79 (1)	10.13 (1)	7.90 (1)	8.31 (1)
T. Rowe Price Retirement 2020 Index			1.87 (28)	30.71 (20)	10.02 (1)	9.93 (1)	7.89 (1)	8.25 (1)





## **Asset Allocation & Performance**

	Allocatio	on	Performance(%)					
	Market Value (\$000)	%	1 Quarter	1 Year	3 Years	5 Years	7 Years	10 Years
T. Rowe Price Retirement I 2025 I	11,019.94	3.57	3.64 (1)	41.19 (1)	10.75 (1)	11.26 (1)	-	-
T. Rowe Price Retirement 2025*			3.51 (1)	41.09 (1)	10.64 (1)	11.14 (1)	8.62 (1)	9.02 (1)
T. Rowe Price Retirement 2025 Index			2.49 (23)	36.13 (8)	10.96 (1)	11.03 (1)	8.68 (1)	9.04 (1)
T. Rowe Price Retirement I 2030 I	6,223.63	2.02	4.26 (1)	46.21 (1)	11.55 (1)	12.21 (1)	-	-
T. Rowe Price Retirement 2030*			4.22 (1)	46.13 (1)	11.45 (1)	12.09 (1)	9.30 (1)	9.67 (2)
T. Rowe Price Retirement 2030 Index			3.20 (17)	41.29 (9)	11.80 (1)	11.99 (1)	9.34 (1)	9.67 (2)
T. Rowe Price Retirement I 2035 I	8,727.81	2.83	4.95 (1)	50.72 (5)	12.24 (3)	12.99 (8)	-	-
T. Rowe Price Retirement 2035*			4.90 (1)	50.74 (5)	12.15 (5)	12.87 (10)	9.83 (6)	10.15 (4)
T. Rowe Price Retirement 2035 Index			3.85 (35)	45.73 (22)	12.52 (1)	12.79 (11)	9.86 (5)	10.15 (4)
T. Rowe Price Retirement I 2040 I	5,071.58	1.64	5.54 (4)	54.97 (8)	12.92 (5)	13.69 (8)	-	-
T. Rowe Price Retirement 2040*			5.49 (5)	54.73 (9)	12.78 (7)	13.56 (11)	10.28 (4)	10.56 (4)
T. Rowe Price Retirement 2040 Index			4.46 (47)	49.88 (29)	13.13 (1)	13.47 (11)	10.30 (4)	10.55 (4)
T. Rowe Price Retirement I 2045 I	2,497.08	0.81	5.98 (1)	57.87 (3)	13.30 (1)	14.02 (1)	-	-
T. Rowe Price Retirement 2045*			5.90 (1)	57.66 (4)	13.19 (4)	13.90 (4)	10.52 (3)	10.73 (5)
T. Rowe Price Retirement 2045 Index			4.87 (54)	52.87 (39)	13.49 (1)	13.79 (6)	10.53 (3)	10.71 (5)
T. Rowe Price Retirement I 2050 I	1,738.48	0.56	6.00 (2)	57.89 (4)	13.32 (2)	14.03 (2)	-	-
T. Rowe Price Retirement 2050*			5.91 (3)	57.64 (7)	13.17 (4)	13.90 (4)	10.52 (3)	10.73 (6)
T. Rowe Price Retirement 2050 Index			4.91 (58)	52.96 (54)	13.51 (1)	13.80 (6)	10.53 (3)	10.71 (6)
T. Rowe Price Retirement I 2055 I	2,025.02	0.66	6.00 (4)	57.89 (7)	13.32 (3)	14.02 (6)	-	-
T. Rowe Price Retirement 2055*			5.93 (5)	57.71 (7)	13.16 (12)	13.88 (7)	10.49 (4)	10.71 (-)
T. Rowe Price Retirement 2055 Index			4.91 (71)	52.96 (64)	13.51 (1)	13.80 (10)	10.53 (4)	10.71 (-)





## **Asset Allocation & Performance**

	Allocati	on			Perform	ance(%)		
	Market Value (\$000)	%	1 Quarter	1 Year	3 Years	5 Years	7 Years	10 Years
U.S. Equity	175,936.43	56.99						
iShares S&P 500 Index	81,814.27	26.50	6.16 (32)	56.24 (29)	16.77 (13)	16.27 (13)	13.57 (10)	13.85 (18)
S&P 500 Index			6.17 (14)	56.35 (6)	16.78 (7)	16.29 (6)	13.59 (4)	13.91 (7)
Vanguard Mid Cap Index	47,486.20	15.38	7.18 (54)	70.61 (58)	14.66 (48)	14.60 (50)	11.74 (45)	12.30 (45)
Vanguard Spliced Mid Cap Index			7.18 (54)	70.66 (58)	14.67 (48)	14.62 (49)	11.76 (45)	12.33 (45)
Baron Growth Inst	46,635.96	15.11	0.94 (58)	72.85 (43)	21.47 (35)	19.91 (37)	13.92 (57)	14.13 (42)
Russell Midcap Growth Index			-0.57 (73)	68.61 (64)	19.41 (53)	18.39 (55)	14.37 (45)	14.11 (43)
International Equity	22,632.20	7.33						
Artisan International Inv	22,632.20	7.33	0.29 (84)	36.99 (98)	7.39 (49)	8.81 (68)	5.20 (54)	7.01 (26)
MSCI EAFE Index (Net)			3.48 (36)	44.57 (72)	6.02 (68)	8.85 (67)	4.80 (64)	5.52 (49)
MSCI AC World ex USA Index (Net)			3.49 (36)	49.41 (53)	6.51 (62)	9.76 (49)	5.26 (53)	<i>4.93 (76)</i>



<sup>&</sup>lt;sup>1</sup>Market value is being sourced from Empower's Plan Service Center and may include corrections and adjustments made after effective date. \*Alternate share class shown to illustrate performance history.

## **Calendar Year Performance**

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
U.S. Fixed Income										
Great West Portfolio Fund¹	1.95	1.95	1.95	1.95	1.98	2.00	1.86	1.53	2.11	2.55
90 Day U.S. Treasury Bill	0.67	2.28	1.87	0.86	0.25	0.03	0.04	0.05	0.08	0.08
Stable Value Institutional Peer Group	1.96	2.22	1.94	1.64	1.48	1.45	1.38	1.52	1.93	2.36
PIMCO Total Return Adm	8.60 (39)	7.99 (84)	-0.51 (54)	4.87 (7)	2.34 (81)	0.47 (39)	4.43 (81)	-2.16 (72)	10.10 (3)	3.91 (95)
Blmbg. Barc. U.S. Aggregate	7.51 (70)	8.72 (60)	0.01 (19)	3.54 (62)	2.65 (64)	0.55 (30)	5.97 (32)	-2.02 (64)	4.21 (77)	7.84 (15)
PIMCO Inflation Response MultiAsst Inst	9.36 (41)	10.03 (85)	-3.71 (24)	8.59 (75)	10.53 (20)	-6.77 (78)	1.57 (73)	-9.29 (100)	9.56 (64)	-
PIMCO IRMA Benchmark	5.85 (60)	10.30 (84)	-3.86 (25)	5.08 (91)	6.76 (48)	-7.47 (82)	-0.34 (82)	-8.89 (100)	6.58 (84)	4.56 (11)
Target Date										
T. Rowe Price Retirement I 2005 I	11.51 (15)	15.16 (19)	-3.12 (44)	10.74 (19)	6.69 (30)	-	-	-	-	-
T. Rowe Price Retirement 2005*	11.24 (16)	15.08 (21)	-3.26 (50)	10.67 (20)	6.72 (30)	-0.75 (39)	4.72 (40)	9.74 (24)	11.35 (16)	1.43 (66)
T. Rowe Price Retirement 2005 Index	12.00 (10)	14.88 (25)	-2.58 (26)	10.12 (26)	5.84 (45)	-0.10 (20)	5.48 (25)	9.86 (23)	9.52 (41)	2.38 (44)
T. Rowe Price Retirement I 2010 I	12.06 (1)	16.31 (1)	-3.56 (58)	11.82 (12)	7.18 (11)	-	-	-	-	-
T. Rowe Price Retirement 2010*	11.90 (1)	16.16 (1)	-3.61 (67)	11.66 (13)	7.11 (11)	-0.76 (63)	4.99 (23)	11.93 (8)	12.44 (6)	0.54 (55)
T. Rowe Price Retirement 2010 Index	12.58 (1)	16.05 (1)	-3.02 (32)	11.20 (17)	6.27 (47)	-0.17 (13)	5.77 (12)	12.00 (7)	10.61 (26)	1.81 (25)
T. Rowe Price Retirement I 2015 I	12.81 (1)	17.55 (1)	-4.09 (61)	13.52 (11)	7.25 (16)	-	-	-	-	-
T. Rowe Price Retirement 2015*	12.57 (1)	17.40 (1)	-4.17 (64)	13.34 (12)	7.31 (14)	-0.58 (36)	5.37 (32)	15.18 (2)	13.81 (1)	-0.32 (81)
T. Rowe Price Retirement 2015 Index	13.05 (1)	17.43 (1)	-3.58 (47)	12.87 (16)	6.91 (36)	-0.28 (18)	6.30 (16)	14.97 (3)	11.94 (25)	1.09 (42)
T. Rowe Price Retirement I 2020 I	13.31 (10)	19.45 (1)	-4.82 (66)	15.90 (1)	7.57 (13)	-	-	-	-	-
T. Rowe Price Retirement 2020*	13.19 (11)	19.37 (1)	-4.94 (68)	15.74 (1)	7.41 (20)	-0.31 (24)	5.63 (37)	18.05 (2)	15.01 (1)	-1.20 (84)
T. Rowe Price Retirement 2020 Index	13.49 (7)	19.39 (1)	-4.38 (53)	14.87 (14)	7.51 (15)	-0.49 (34)	6.60 (6)	17.43 (3)	12.92 (24)	0.40 (47)
T. Rowe Price Retirement I 2025 I	14.62 (7)	21.15 (1)	-5.54 (61)	17.82 (1)	7.56 (21)	-	-	-	-	-
T. Rowe Price Retirement 2025*	14.69 (6)	20.95 (1)	-5.62 (62)	17.68 (1)	7.55 (21)	-0.17 (14)	5.84 (38)	20.78 (3)	16.00 (1)	-2.06 (71)
T. Rowe Price Retirement 2025 Index	14.62 (7)	21.36 (1)	-5.00 (42)	16.68 (11)	8.21 (9)	-0.56 (34)	7.06 (9)	20.01 (4)	14.00 (22)	-0.22 (25)
T. Rowe Price Retirement I 2030 I	15.92 (6)	22.68 (2)	-6.16 (48)	19.52 (2)	7.77 (45)	-	-	-	-	-
T. Rowe Price Retirement 2030*	15.90 (6)	22.48 (4)	-6.28 (52)	19.45 (2)	7.69 (46)	-0.02 (7)	6.05 (36)	23.09 (4)	16.82 (1)	-2.70 (70)
T. Rowe Price Retirement 2030 Index	15.65 (6)	23.06 (1)	-5.67 (39)	18.28 (25)	8.80 (11)	-0.73 (41)	7.29 (7)	22.13 (8)	14.85 (20)	-0.79 (21)
T. Rowe Price Retirement I 2035 I	17.04 (10)	23.90 (12)	-6.81 (41)	21.03 (8)	7.68 (65)	-	-	-	-	-
T. Rowe Price Retirement 2035*	17.05 (10)	23.70 (14)	-6.87 (45)	20.88 (9)	7.64 (66)	0.13 (4)	6.07 (38)	24.86 (3)	17.35 (1)	-3.26 (61)
T. Rowe Price Retirement 2035 Index	16.50 (13)	24.46 (9)	-6.20 (21)	19.58 (34)	9.21 (13)	-0.87 (38)	7.37 (5)	23.76 (12)	15.45 (39)	-1.37 (10)
T. Rowe Price Retirement I 2040 I	18.16 (10)	24.89 (17)	-7.21 (31)	22.11 (4)	7.75 (66)	-	-	-	-	-
T. Rowe Price Retirement 2040*	18.11 (10)	24.68 (20)	-7.32 (36)	22.02 (5)	7.63 (67)	0.17 (3)	6.18 (38)	25.93 (8)	17.55 (1)	-3.49 (43)
T. Rowe Price Retirement 2040 Index	17.24 (20)	25.55 (11)	-6.61 (17)	20.62 (38)	9.58 (13)	-1.01 (41)	7.43 (7)	24.73 (20)	15.66 (40)	-1.46 (9)

<sup>&</sup>lt;sup>1</sup>Market Value is sourced from Empower's Plan Service Center and may include corrections and adjustments made after the effective date. Returns for periods greater than one year are annualized.



Returns are expressed as percentages.

<sup>\*</sup>Alternate share class shown to illustrate performance history.

## **Calendar Year Performance**

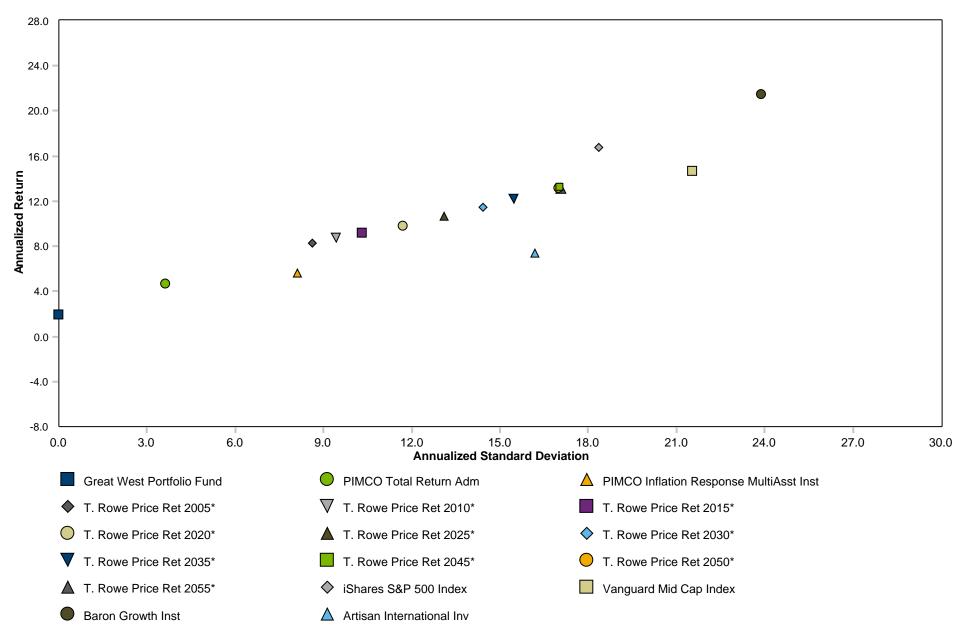
	2020	20	19	2018	20	17	2016	;	2015	20	14	201	3	201	2	201	1
T. Rowe Price Retirement I 2045 I	18.72 (	(9) 25.52	(25)	-7.51 (3	31) 22.5	6 (6)	7.75	(69)	-	-		-		-		-	
T. Rowe Price Retirement 2045*	18.65 (	(9) 25.39	(31)	-7.57 (3	33) 22.4	l (9)	7.69	(69) 0.	.17 (	4) 6.14	(35)	25.93	(5) 1	7.62	(1)	-3.47	(31)
T. Rowe Price Retirement 2045 Index	17.60 (	(19) 26.33	(11)	-6.96 (1	14) 21.02	2 (47)	9.70	(11) -0.	.98 (	40) 7.43	(7)	24.73	(22) 1	5.66	(53)	-1.46	(1)
T. Rowe Price Retirement I 2050 I	18.72 (	(12) 25.57	(34)	-7.51 (2	28) 22.5	5 (11)	7.75	(69)	-	-		-		-		-	
T. Rowe Price Retirement 2050*	18.68 (	(12) 25.32	(40)	-7.58 (3	30) 22.38	3 (12)	7.71	(69) 0.	.19 (	3) 6.19	(36)	25.90	(12) 1	7.55	(4)	-3.36	(26)
T. Rowe Price Retirement 2050 Index	17.62	(25) 26.33	(19)	-6.96 (š	5) 21.02	2 (55)	9.70	(16) -0	.98 (	41) 7.43	(8)	24.73	(28) 1	5.66	(40)	-1.46	(5)
T. Rowe Price Retirement I 2055 I	18.68 (	(13) 25.52	(39)	-7.50 (2	21) 22.5	7 (13)	7.65	(73)	-	-		-		-		-	
T. Rowe Price Retirement 2055*	18.55 (	(13) 25.38	(40)	-7.62 (2	23) 22.33	3 (20)	7.73	(73) 0.	.18 (	4) 6.18	(40)	25.86	(13) 1	7.60	(1)	-3.35	(16)
T. Rowe Price Retirement 2055 Index	17.62	(26) 26.33	(27)	-6.96 (5	5) 21.02	2 (65)	9.70	(14) -0	.98 (	45) 7.43	(11)	24.73	(31)	5.66	(60)	-1.46	(1)
U.S. Equity																	
iShares S&P 500 Index	18.43 (	(4) 31.43	(22)	-4.38 (7	) 21.7	7 (19)	11.92	(16) 1.	.35 (	19) 13.61	(14)	32.21	(28) 1	5.84	(31)	1.98	(42)
S&P 500 Index	18.40 (	(10) 31.49	(4)	-4.38 (8	3) 21.8	3 (3)	11.96	(8) 1.	.38 (	7) 13.69	(1)	32.39	(3) 1	6.00	(1)	2.11	(8)
Vanguard Mid Cap Index	18.26 (	(48) 31.04	(40)	-9.24 (5	51) 19.29	9 (50)	11.23	(55) -1.	.33 (	40) 13.78	(10)	35.17	(52) 1	6.01	(43)	-1.96	(42)
Vanguard Spliced Mid Cap Index	18.24 (	(48) 31.09	(39)	-9.22 (5	51) 19.3	(50)	11.25	(55) -1	.28 (	40) 13.83	(9)	35.21	(52) 1	6.04	(42)	-1.91	(40)
Baron Growth Inst	33.05 (	(57) 40.50	(9)	-2.67 (3	30) 27.3	5 (32)	6.31	(45) -4.	.06 (	81) 4.66	(78)	38.69	(24) 1	6.74	(17)	1.51	(13)
Russell Midcap Growth Index	35.59	(45) 35.47	(36)	-4.75 (S	52) 25.2	7 (45)	7.33	(34) -0.	.20 (	52) 11.90	(12)	35.74	(48)	5.81	(31)	-1.65	(34)
International Equity																	
Artisan International Inv	7.56 (	(73) 29.20	(17)	-10.86 (1	5) 31.02	2 (17)	-9.66	(100) -3	.85 (	32) -0.97	(11)	25.18	(7) 2	5.39	(4)	-7.26	(18)
MSCI EAFE Index (Net)	7.82	(71) 22.01	(69)	-13.79 (3	39) 25.0	3 (57)	1.00	(46) -0	.81 (	49) -4.90	(42)	22.78	(14) 1	7.32	(69)	-12.14	(50)
MSCI AC World ex USA Index (Net)	10.65 (	(55) 21.51	(72)	-14.20 (4	12) 27.1	9 (40)	4.50	(14) -5	.66 (	87) -3.87	(28)	15.29	(81)	6.83	(71)	-13.71	(77)



<sup>&</sup>lt;sup>1</sup>Market Value is sourced from Empower's Plan Service Center and may include corrections and adjustments made after the effective date. Returns for periods greater than one year are annualized. Returns are expressed as percentages.

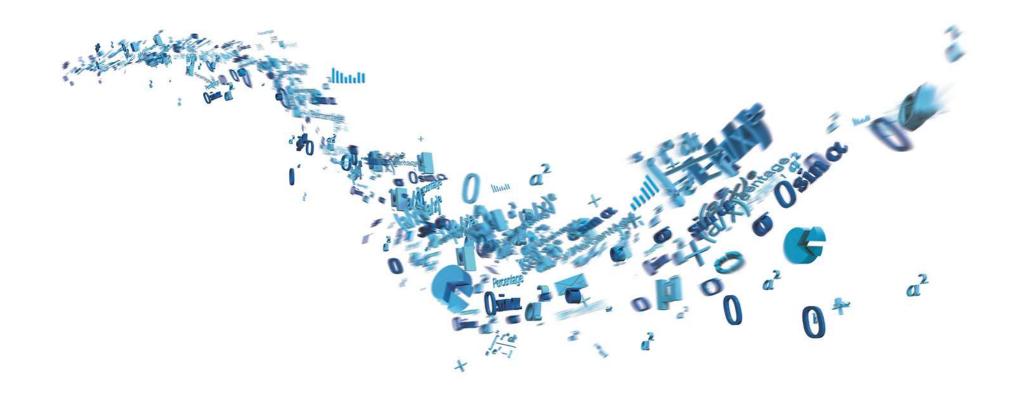
\*Alternate share class shown to illustrate performance history.

## **Risk Profile**



<sup>\*</sup>Alternate share class shown to illustrate performance history.





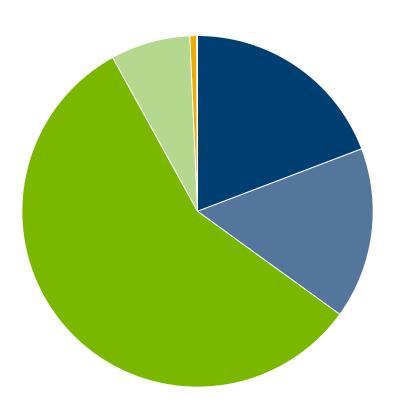
# **Total Plan**

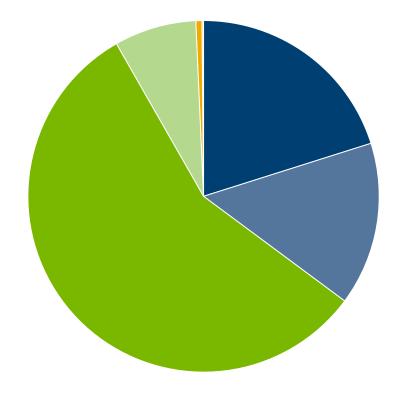


## **Asset Allocation by Asset Class**

March 31, 2021 : \$308,717,335

December 31, 2020 : \$299,088,095

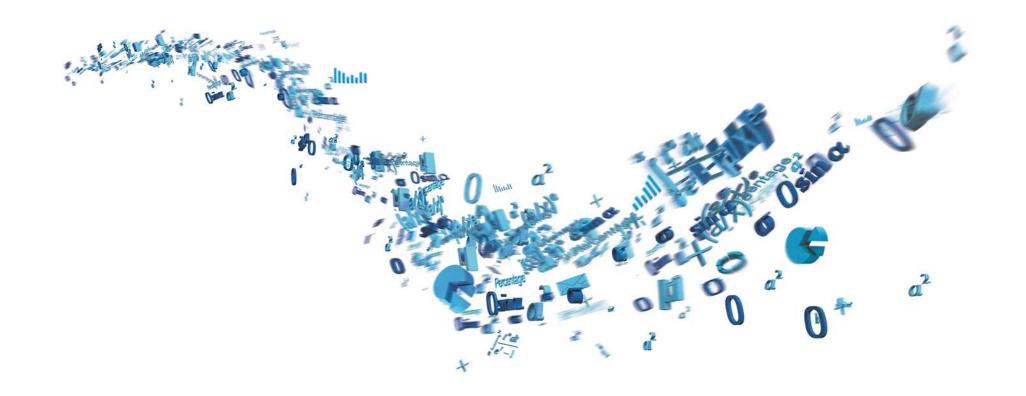




	Market Value (\$M)	Allocation (%)
U.S. Fixed Income	59.3	19.2
■ T. Rowe Price Retirement I Series	48.6	15.8
U.S. Equity	175.9	57.0
International Equity	22.6	7.3
Loan Fund	1.9	0.6
Forfeiture Account	0.3	0.1

	Market Value (\$M)	Allocation (%)
U.S. Fixed Income	60.2	20.1
■ T. Rowe Price Retirement I Series	44.9	15.0
U.S. Equity	169.3	56.6
International Equity	22.6	7.6
Loan Fund	1.7	0.6
Forfeiture Account	0.4	0.1





# **U.S. Fixed Income**



## **PIMCO Total Return Adm Performance Summary**

### **Account Information**

Product Name: PIMCO:Tot Rtn;Admn (PTRAX)

Fund Family : PIMCO Ticker : PTRAX

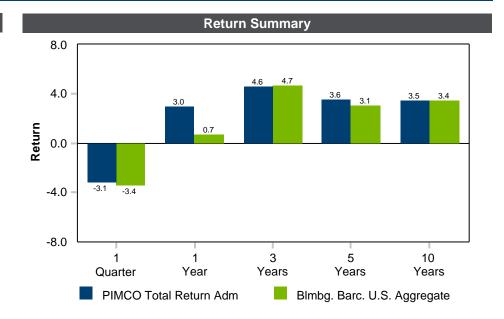
Peer Group: IM U.S. Broad Market Core Fixed Income (MF)

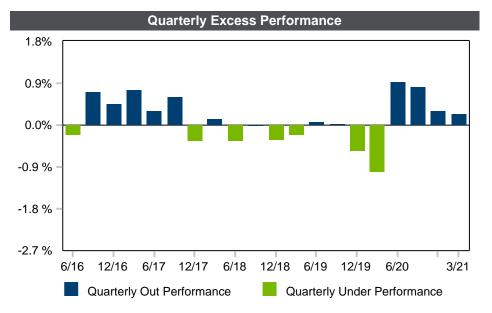
Benchmark: Blmbg. Barc. U.S. Aggregate

Fund Inception: 09/08/1994

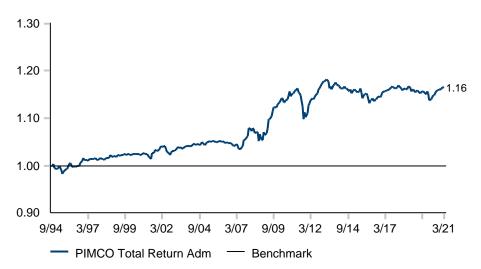
Portfolio Manager: Mather/Kiesel/Mittal
Total Assets: \$1,686.80 Million
Total Assets Date: 02/28/2021

Gross Expense : 0.95%
Net Expense : 0.95%
Turnover : 554%











■ PIMCO Total Return Adm

5th Percentile

1st Quartile

3rd Quartile

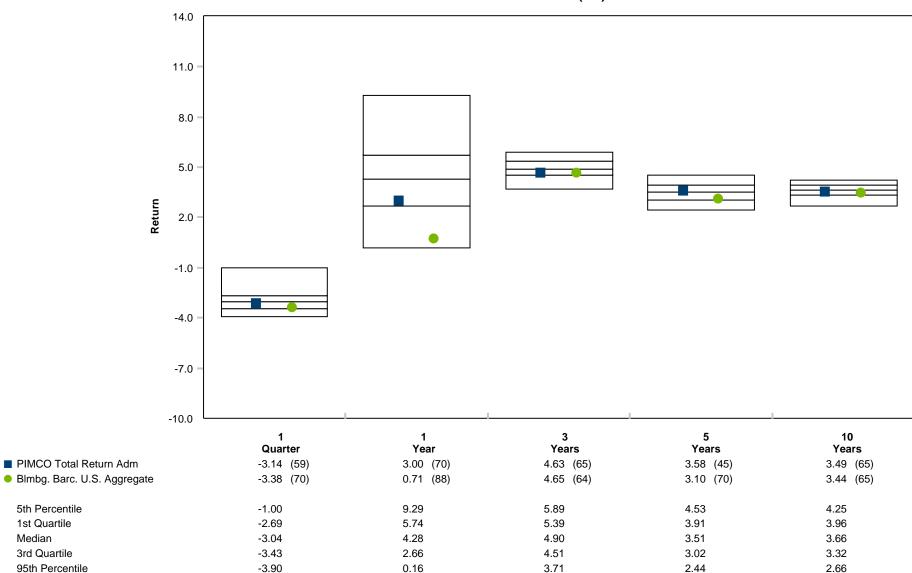
95th Percentile

Median

### As of March 31, 2021

## **Peer Group Analysis**

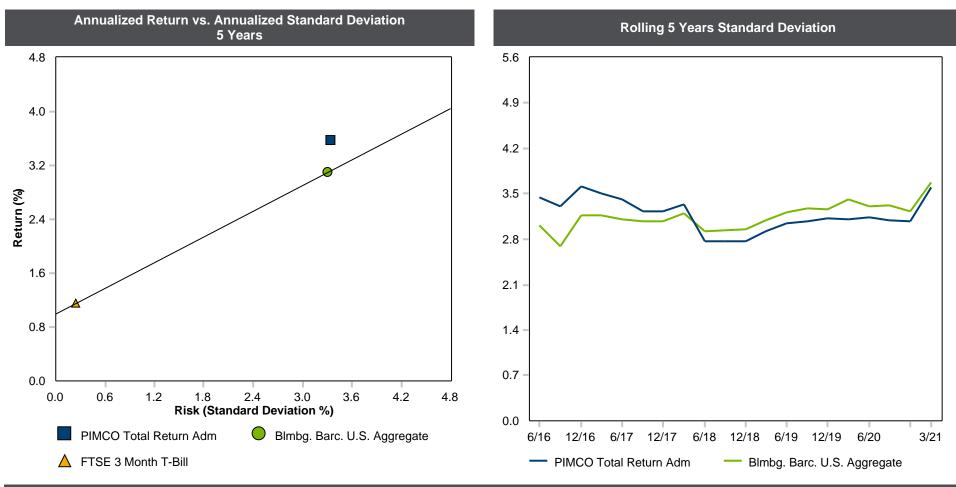
IM U.S. Broad Market Core Fixed Income (MF)





### 5 Years Ending March 31, 2021

## **PIMCO Total Return Adm Risk Profile**

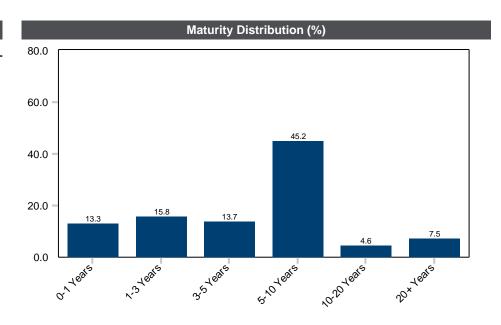


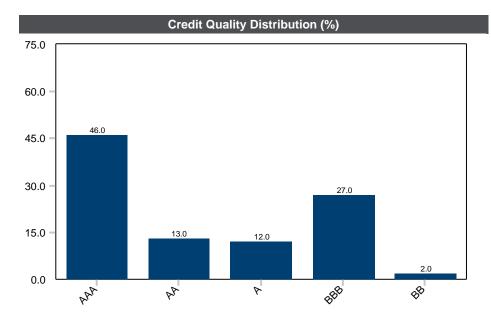
5 Years Historical Statistics											
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation	
PIMCO Total Return Adm	0.46	1.10	0.42	0.89	0.73	0.60	0.96	3.58	3.35	0.95	
Blmbg. Barc. U.S. Aggregate	0.00	0.00	N/A	1.00	0.61	0.00	1.00	3.10	3.31	1.00	
FTSE 3 Month T-Bill	-1.97	3.25	-0.61	0.09	N/A	1.08	0.02	1.15	0.25	0.30	

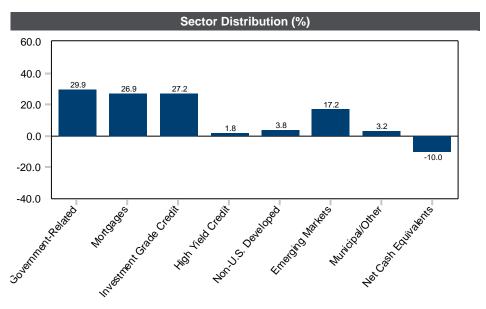


## **Portfolio Characteristics**

Portfolio Characteristics								
	Portfolio							
Yield To Maturity (%)	2.10							
Coupon Rate (%)	2.38							
Effective Duration	5.49							
Holdings Count	7,458							
Avg. Quality	N/A							









## PIMCO Inflation Response MultiAsst Inst Performance Summary

### **Account Information**

Product Name: PIMCO:Infl Rsp MA;Inst (PIRMX)

Fund Family : PIMCO Ticker : PIRMX

Peer Group : IM Flexible Portfolio (MF)
Benchmark : PIMCO IRMA Benchmark

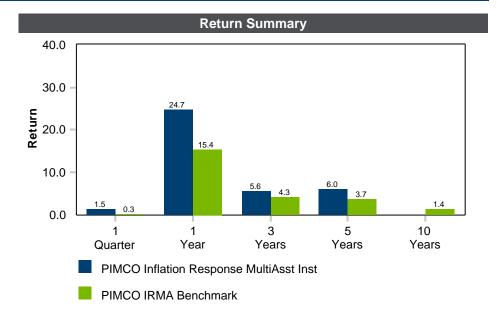
Fund Inception: 08/31/2011

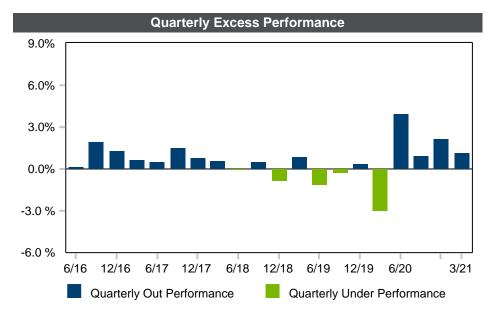
Portfolio Manager: Johnson/Rodosky/He
Total Assets: \$1,334.70 Million
Total Assets Date: 02/28/2021

Gross Expense : 1.03%

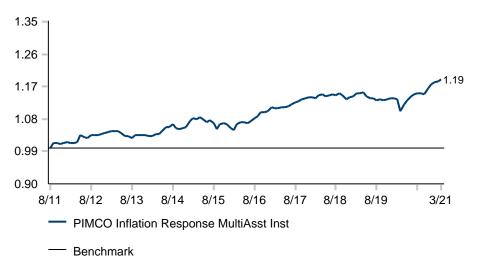
Net Expense : 0.86%

Turnover : 346%





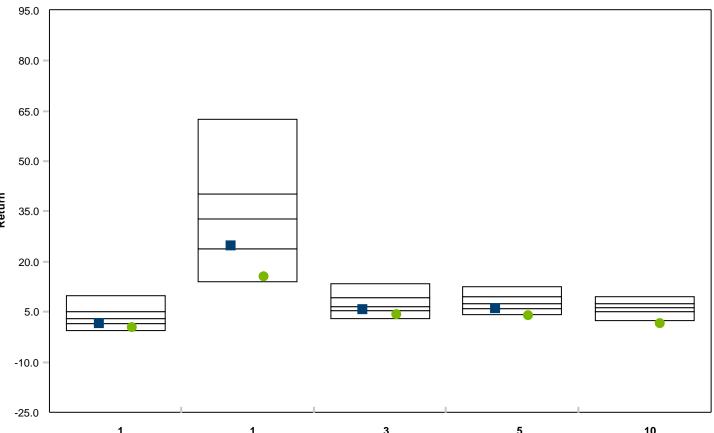
# Ratio of Cumulative Wealth - Since Inception





# Peer Group Analysis

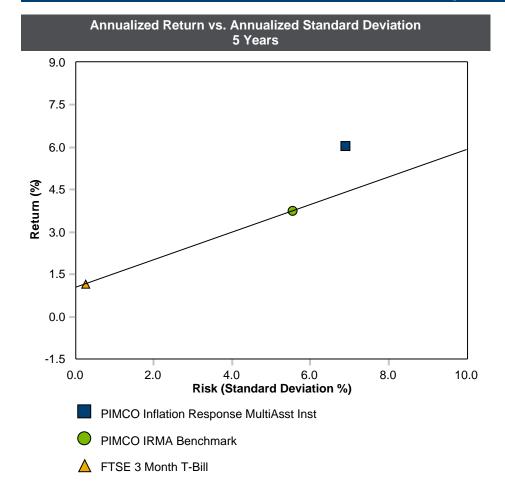
### IM Flexible Portfolio (MF)

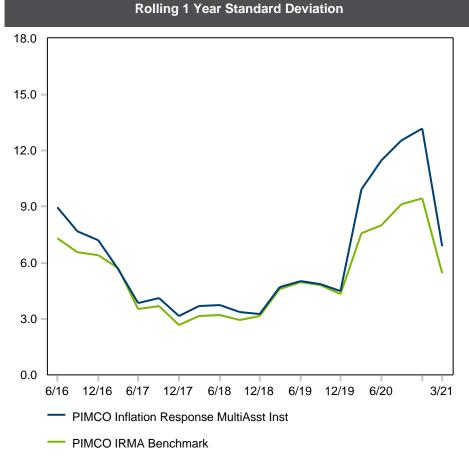


	1	1	3	5	10
	Quarter	Year	Years	Years	Years
■ PIMCO Inflation Response MultiAsst Inst	1.47 (74)	24.72 (74)	5.58 (69)	6.04 (74)	N/A
<ul><li>PIMCO IRMA Benchmark</li></ul>	0.31 (86)	15.43 (93)	4.27 (84)	3.74 (96)	1.38 (99)
5th Percentile	9.93	62.61	13.43	12.63	9.51
1st Quartile	4.95	40.31	9.17	9.55	7.57
Median	3.03	32.71	6.66	7.40	6.27
3rd Quartile	1.41	23.89	5.24	6.01	4.96
95th Percentile	-0.54	14.05	2.91	4.08	2.32



## PIMCO Inflation Response MultiAsst Inst Risk Profile

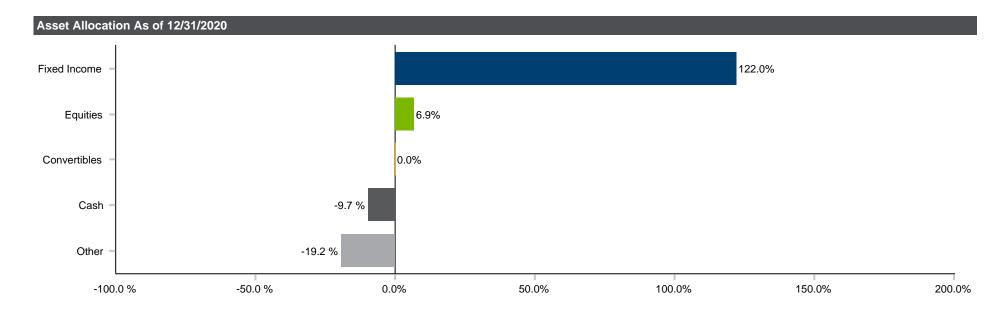




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
PIMCO Inflation Response MultiAsst Inst	2.29	2.18	1.05	0.93	0.71	1.54	1.20	6.04	6.91	0.96
PIMCO IRMA Benchmark	0.00	0.00	N/A	1.00	0.48	0.00	1.00	3.74	5.55	1.00
FTSE 3 Month T-Bill	-2.68	5.58	-0.48	0.02	N/A	1.17	-0.01	1.15	0.25	-0.12



## **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		Top Ten Securities As of 12/31/2020	Top Ten Securities As of 12/31/2020				
Total Securities	407	PIMCO EM Currency and Sh-Tr Inv	8.05 %				
Avg. Market Cap	\$25,873.29 Million	Prologis Inc ORD	0.56 %				
P/E	43.40	Sun Communities Inc ORD	0.34 %				
P/B	3.99	Public Storage ORD	0.33 %				
Div. Yield	3.69%	Equinix Inc ORD	0.27 %				
Annual EPS	16.25	Equity Residential ORD	0.26 %				
5Yr EPS	14.60	Avalonbay Communities Inc ORD	0.25 %				
3Yr EPS Growth	11.62	Alexandria Real Estate Equities	0.25 %				
		Duke Realty Corp ORD	0.23 %				
		Welltower Inc ORD	0.20 %				

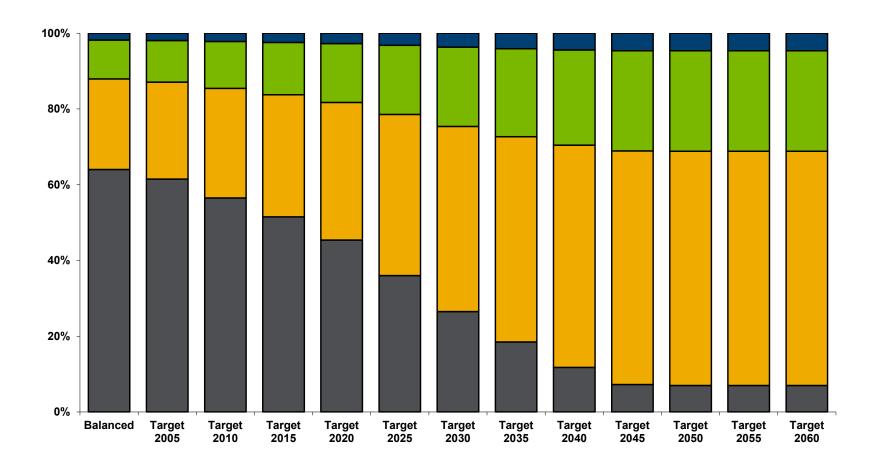




# **Target Date**



# **Target Allocation: T. Rowe Price Retirement Funds**







# Target Allocation: T. Rowe Price Retirement Funds

	Balanced	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060
Fixed Income	64.0%	61.5%	56.5%	51.5%	45.4%	36.0%	26.5%	18.5%	11.8%	7.3%	7.0%	7.0%	7.0%
US Aggregate Bond	19.8%	19.8%	18.4%	17.4%	15.8%	13.7%	11.0%	8.3%	5.3%	3.3%	3.2%	3.2%	3.2%
Dynamic Global Bond	4.4%	4.4%	4.1%	3.9%	3.5%	3.1%	2.5%	1.9%	1.2%	0.7%	0.7%	0.7%	0.7%
Intl Bond (\$ Hedged)	6.6%	6.6%	6.2%	5.8%	5.3%	4.6%	3.7%	2.8%	1.8%	1.1%	1.1%	1.1%	1.1%
High Yield	3.9%	3.8%	3.5%	3.2%	2.8%	2.2%	1.5%	1.0%	0.5%	0.2%	0.2%	0.2%	0.2%
Floating Rate	1.0%	1.0%	0.9%	0.8%	0.7%	0.6%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%
EM Bond	4.9%	4.8%	4.3%	4.0%	3.5%	2.8%	1.9%	1.3%	0.6%	0.2%	0.2%	0.2%	0.2%
US Treasury Long	3.5%	3.6%	3.6%	3.6%	3.5%	3.5%	3.6%	3.0%	2.3%	1.7%	1.7%	1.7%	1.7%
Inflation Focused	20.0%	17.5%	15.5%	12.8%	10.2%	5.5%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
U.S. Equity	23.9%	25.6%	28.9%	32.3%	36.3%	42.6%	48.9%	54.2%	58.7%	61.7%	61.8%	61.8%	61.8%
US Large Cap	19.2%	20.0%	22.6%	25.2%	28.4%	33.3%	38.2%	42.4%	45.9%	48.3%	48.4%	48.4%	48.4%
US Mid Cap	2.4%	2.8%	3.2%	3.5%	4.0%	4.7%	5.4%	6.0%	6.5%	6.8%	6.8%	6.8%	6.8%
US Small Cap	2.4%	2.8%	3.1%	3.5%	3.9%	4.6%	5.3%	5.8%	6.3%	6.6%	6.6%	6.6%	6.6%
Non- U.S. Equity	10.3%	11.0%	12.4%	13.8%	15.6%	18.2%	20.9%	23.2%	25.2%	26.4%	26.5%	26.5%	26.5%
Developed Intl Mkts	8.7%	9.3%	10.5%	11.7%	13.2%	15.5%	17.8%	19.7%	21.4%	22.5%	22.5%	22.5%	22.5%
Emerging Markets	1.5%	1.6%	1.9%	2.1%	2.3%	2.7%	3.1%	3.5%	3.8%	4.0%	4.0%	4.0%	4.0%
Real Assets	1.8%	1.9%	2.2%	2.4%	2.7%	3.2%	3.7%	4.1%	4.4%	4.6%	4.7%	4.7%	4.7%
Real Assets Fund	1.8%	1.9%	2.2%	2.4%	2.7%	3.2%	3.7%	4.1%	4.4%	4.6%	4.7%	4.7%	4.7%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



### T. Rowe Price Retirement I 2005 I Performance Summary

### **Account Information**

Product Name : T Rowe Price Ret:I2005;I (TRPFX)
Fund Family : T. Rowe Price Associates Inc

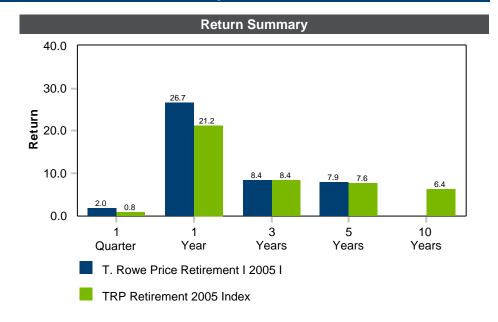
Ticker: TRPFX

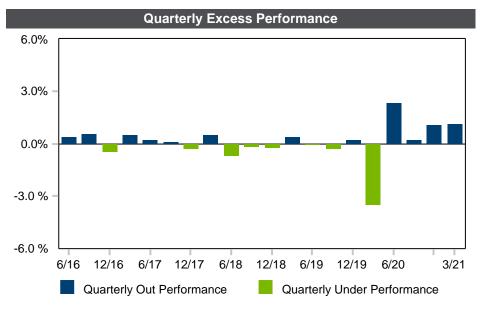
Peer Group: IM Mixed-Asset Target Alloc Consv (MF)

Benchmark: TRP Retirement 2005 Index

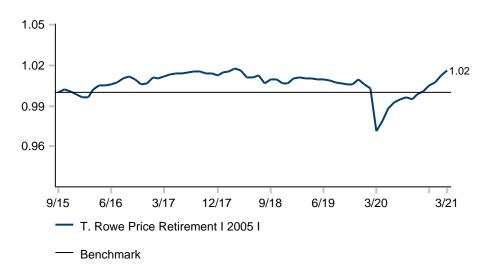
Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$355.40 Million
Total Assets Date: 03/31/2021
Gross Expense: 0.37%

Total Assets Date: 03/31/20 Gross Expense: 0.37% Net Expense: 0.37% Turnover: 43%



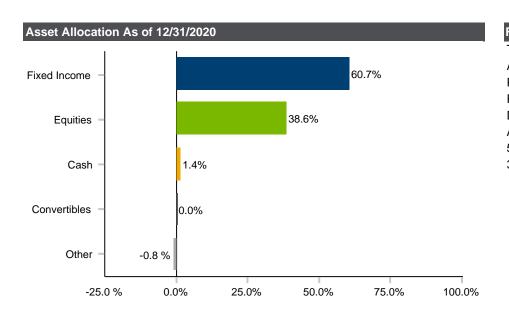


# Ratio of Cumulative Wealth - Since Inception



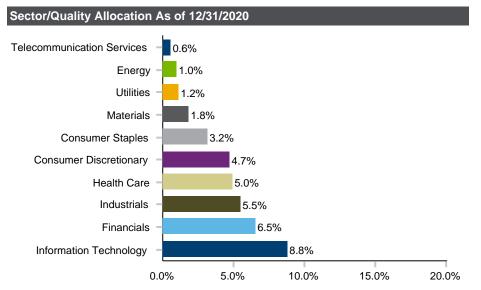


## **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020			
Total Securities	25		
Avg. Market Cap	\$100,481.78 Million		
P/E	13.82		
P/B	3.04		
Div. Yield	1.08%		
Annual EPS	7.68		
5Yr EPS	5.61		
3Yr EPS Growth	7.28		

18.66 %
16.97 %
12.30 %
6.31 %
4.80 %
4.48 %
3.98 %
3.68 %
3.59 %
3.28 %





### T. Rowe Price Retirement I 2010 I Performance Summary

### **Account Information**

Product Name : T Rowe Price Ret:I2010;I (TRPAX)
Fund Family : T. Rowe Price Associates Inc

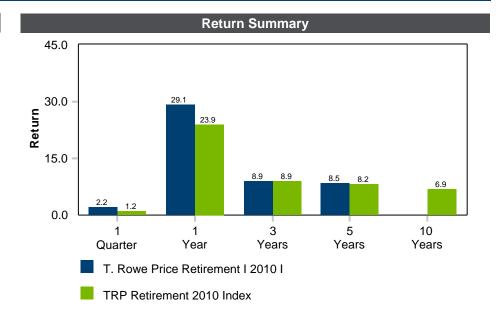
Ticker: TRPAX

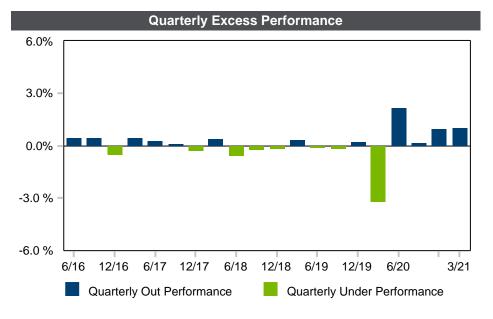
Peer Group : IM Mixed-Asset Target 2010 (MF)

Benchmark: TRP Retirement 2010 Index

Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$937.70 Million
Total Assets Date: 03/31/2021

Gross Expense: 0.37%
Net Expense: 0.37%
Turnover: 36%



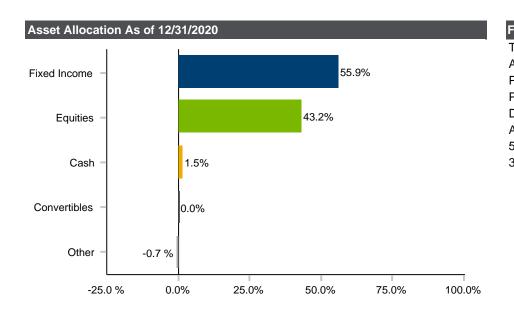


# Ratio of Cumulative Wealth - Since Inception



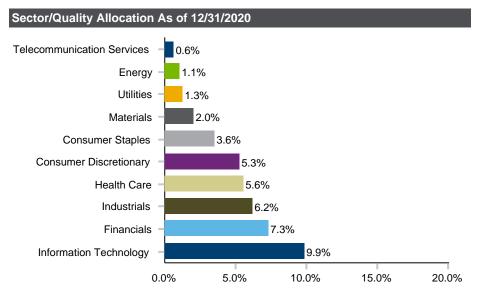


### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020			
Total Securities	25		
Avg. Market Cap	\$110,949.70 Million		
P/E	15.36		
P/B	3.38		
Div. Yield	1.17%		
Annual EPS	7.85		
5Yr EPS	6.17		
3Yr EPS Growth	8.01		

Top Ten Securities As of 12/31/2020	
T Rowe Price New Income Fund;Z	17.19 %
T Rowe Price Limited Duration Inflation	14.99 %
T Rowe Price Equity Index 500 Fund;Z	13.43 %
T Rowe Price International Bond	5.85 %
T Rowe Price Emerging Markets Bond	4.30 %
T Rowe Price Value Fund;Z	4.19 %
T Rowe Price Growth Stock Fund;Z	4.07 %
T Rowe Price High Yield Fund;Z	4.02 %
T Rowe Price Dynamic Global Bond	3.72 %
T Rowe Price International Value	3.63 %





### T. Rowe Price Retirement I 2015 I Performance Summary

### **Account Information**

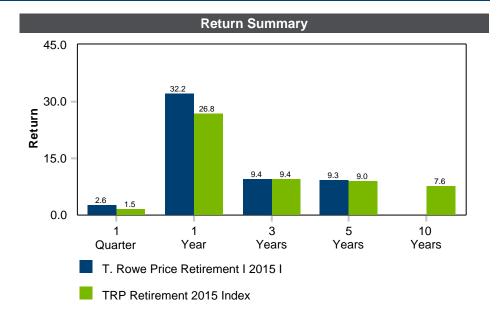
Product Name : T Rowe Price Ret:I2015;I (TRFGX)
Fund Family : T. Rowe Price Associates Inc

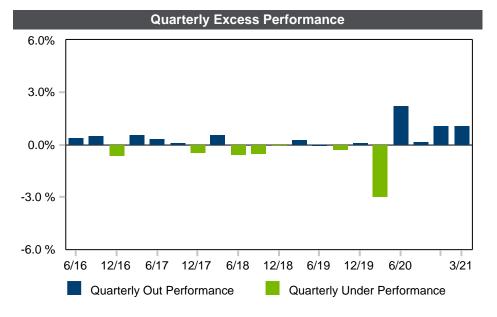
Ticker: TRFGX

Peer Group: IM Mixed-Asset Target 2015 (MF)
Benchmark: TRP Retirement 2015 Index

Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$1,726.20 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.40%
Net Expense : 0.40%
Turnover : 34%



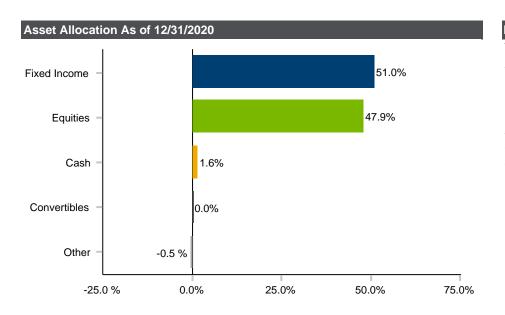


# Ratio of Cumulative Wealth - Since Inception



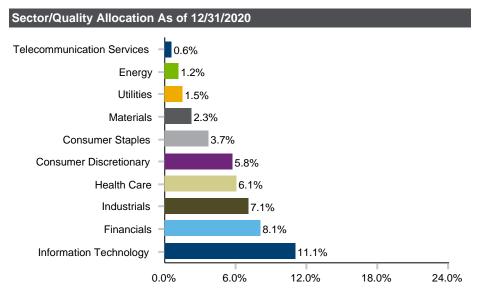


# Mutual Fund Attributes



Fund Characteristics As of 12/31/2020			
Total Securities	25		
Avg. Market Cap	\$120,149.44 Million		
P/E	17.13		
P/B	3.72		
Div. Yield	1.25%		
Annual EPS	8.13		
5Yr EPS	6.87		
3Yr EPS Growth	8.93		

Top Ten Securities As of 12/31/2020	
T Rowe Price New Income Fund;Z	16.11 %
T Rowe Price Limited Duration Inflation	12.23 %
T Rowe Price Equity Index 500 Fund;Z	10.28 %
T Rowe Price Value Fund;Z	7.09 %
T Rowe Price Growth Stock Fund;Z	6.71 %
T Rowe Price International Bond	5.53 %
T Rowe Price International Value	4.06 %
T Rowe Price Overseas Stock Fund;Z	4.01 %
T Rowe Price International Stock	3.94 %
T Rowe Price Emerging Markets Bond	3.91 %





### T. Rowe Price Retirement I 2020 I Performance Summary

### **Account Information**

Product Name: T Rowe Price Ret:I2020;I (TRBRX)
Fund Family: T. Rowe Price Associates Inc

Ticker: TRBRX

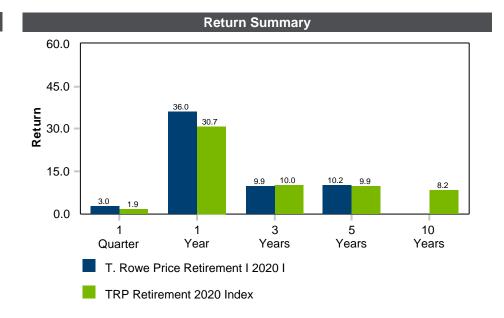
Peer Group: IM Mixed-Asset Target 2020 (MF)
Benchmark: TRP Retirement 2020 Index

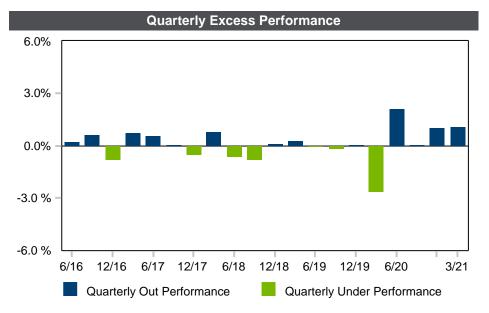
Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$6,008.60 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.42%

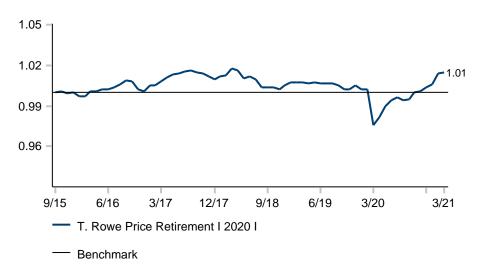
Net Expense : 0.42%

Turnover : 35%



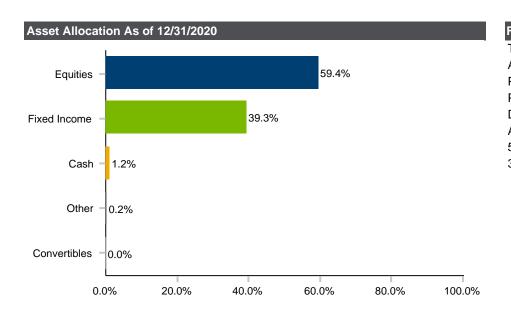


## Ratio of Cumulative Wealth - Since Inception



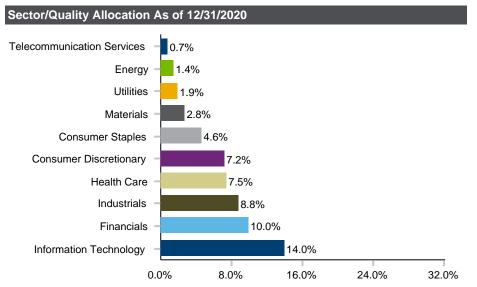


### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020			
Total Securities	28		
Avg. Market Cap	\$154,126.79 Million		
P/E	21.05		
P/B	4.67		
Div. Yield	1.47%		
Annual EPS	8.71		
5Yr EPS	8.39		
3Yr EPS Growth	10.86		

Top Ten Securities As of 12/31/2020	
T Rowe Price Equity Index 500 Fund;Z	13.70 %
T Rowe Price New Income Fund;Z	13.60 %
T Rowe Price Value Fund;Z	9.28 %
T Rowe Price Growth Stock Fund;Z	8.67 %
T Rowe Price Limited Duration Inflation	7.41 %
T Rowe Price International Stock	4.81 %
T Rowe Price Overseas Stock Fund;Z	4.78 %
T Rowe Price International Value	4.75 %
T Rowe Price International Bond	4.49 %
T Rowe Price Emerging Markets Bond	3.35 %





### T. Rowe Price Retirement I 2025 I Performance Summary

### **Account Information**

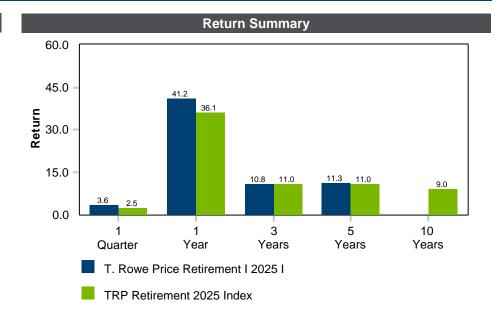
Product Name : T Rowe Price Ret:I2025;I (TRPHX)
Fund Family : T. Rowe Price Associates Inc

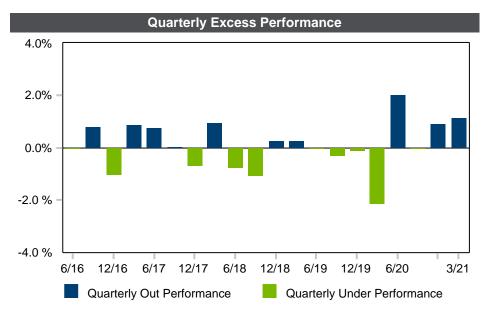
Ticker: TRPHX

Peer Group: IM Mixed-Asset Target 2025 (MF)
Benchmark: TRP Retirement 2025 Index

Fund Inception: 09/29/2015
Portfolio Manager: Team Managed \$7,686.10 Million

Total Assets Date: 03/31/2021 Gross Expense: 0.46% Net Expense: 0.46% Turnover: 32%



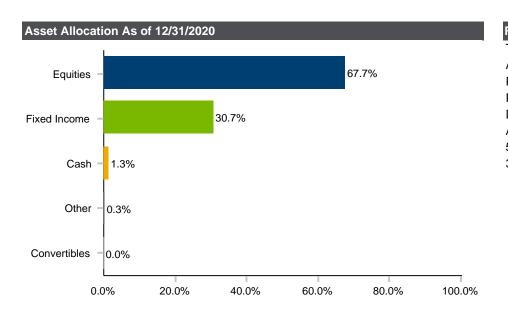


### **Ratio of Cumulative Wealth - Since Inception**



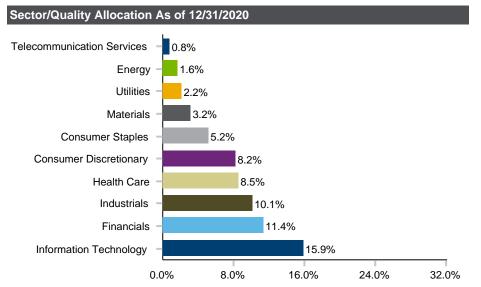


## **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020			
Total Securities	28		
Avg. Market Cap	\$173,814.55 Million		
P/E	23.87		
P/B	5.29		
Div. Yield	1.64%		
Annual EPS	9.02		
5Yr EPS	9.43		
3Yr EPS Growth	12.21		

14.82 %
11.53 %
10.80 %
10.13 %
5.54 %
5.49 %
5.40 %
3.77 %
3.31 %
3.01 %





#### T. Rowe Price Retirement I 2030 I Performance Summary

#### **Account Information**

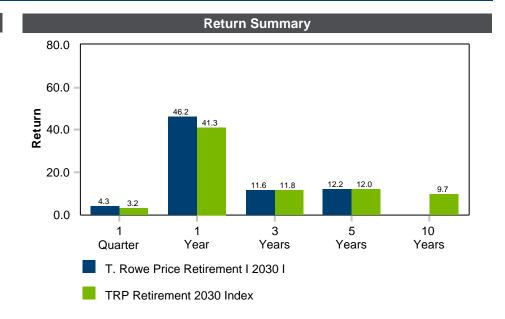
Product Name : T Rowe Price Ret:I2030;I (TRPCX)
Fund Family : T. Rowe Price Associates Inc

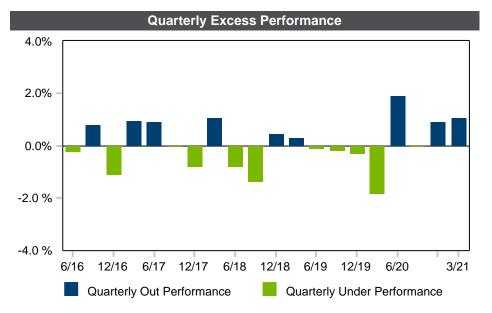
Ticker: TRPCX

Peer Group: IM Mixed-Asset Target 2030 (MF)
Benchmark: TRP Retirement 2030 Index

Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$9,936.40 Million

Total Assets Date: 03/31/2021 Gross Expense: 0.49% Net Expense: 0.49% Turnover: 26%



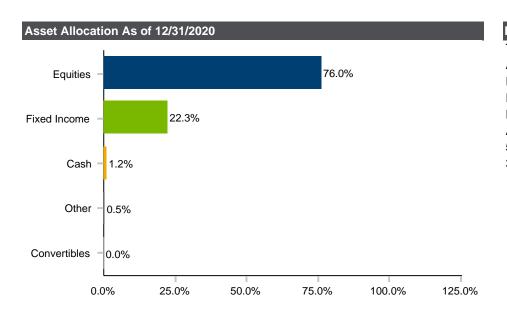


#### **Ratio of Cumulative Wealth - Since Inception**



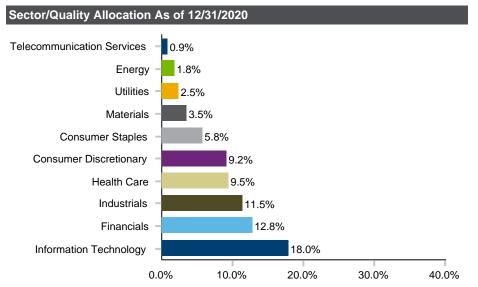


#### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		
Total Securities	28	
Avg. Market Cap	\$193,601.15 Million	
P/E	26.76	
P/B	5.93	
Div. Yield	1.78%	
Annual EPS	9.27	
5Yr EPS	10.53	
3Yr EPS Growth	13.64	

Top Ten Securities As of 12/31/2020	
T Rowe Price Equity Index 500 Fund;Z	14.51 %
T Rowe Price Value Fund;Z	13.25 %
T Rowe Price Growth Stock Fund;Z	12.39 %
T Rowe Price New Income Fund;Z	8.98 %
T Rowe Price International Value	6.11 %
T Rowe Price Overseas Stock Fund;Z	6.09 %
T Rowe Price International Stock	5.97 %
T Rowe Price Emerging Markets Stock	3.46 %
T Rowe Price Mid-Cap Growth Fund;Z	3.39 %
T Rowe Price Mid-Cap Value Fund;Z	3.08 %





#### T. Rowe Price Retirement I 2035 I Performance Summary

#### **Account Information**

Product Name : T Rowe Price Ret:I2035;I (TRPJX)
Fund Family : T. Rowe Price Associates Inc

Ticker: TRPJX

Peer Group: IM Mixed-Asset Target 2035 (MF)
Benchmark: TRP Retirement 2035 Index

Fund Inception: 09/29/2015

Portfolio Manager: Team Managed

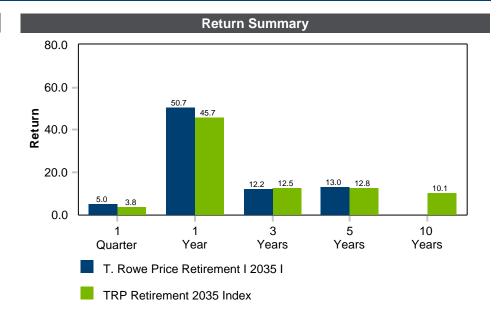
Total Assets: \$7,210.20 Million

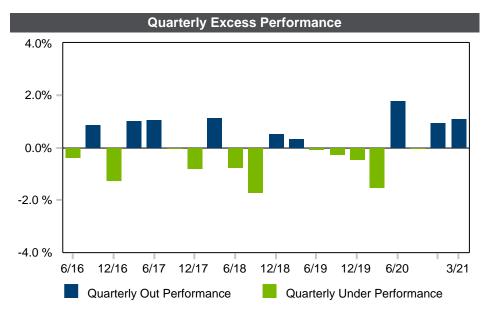
Total Assets Date: 03/31/2021

Gross Expense : 0.50%

Net Expense : 0.50%

Turnover : 23%



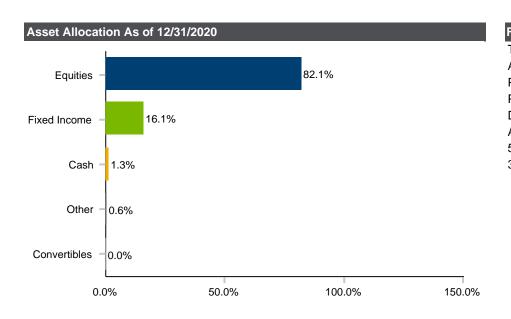


#### **Ratio of Cumulative Wealth - Since Inception**



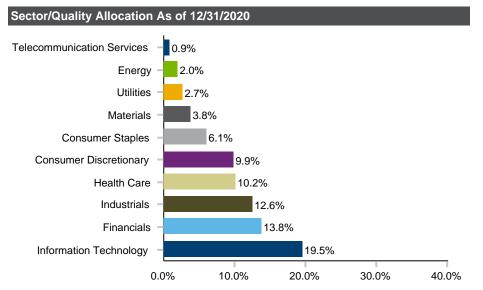


#### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		
Total Securities	27	
Avg. Market Cap	\$207,243.33 Million	
P/E	28.94	
P/B	6.38	
Div. Yield	1.88%	
Annual EPS	9.35	
5Yr EPS	11.36	
3Yr EPS Growth	14.73	

Top Ten Securities As of 12/31/2020		
T Rowe Price Value Fund;Z	15.93 %	
T Rowe Price Growth Stock Fund;Z	14.98 %	
T Rowe Price Equity Index 500 Fund;Z	12.36 %	
T Rowe Price International Value	6.62 %	
T Rowe Price Overseas Stock Fund;Z	6.60 %	
T Rowe Price New Income Fund;Z	6.53 %	
T Rowe Price International Stock	6.45 %	
T Rowe Price Emerging Markets Stock	3.84 %	
T Rowe Price Mid-Cap Growth Fund;Z	3.71 %	
T Rowe Price Mid-Cap Value Fund;Z	3.32 %	





#### T. Rowe Price Retirement I 2040 I Performance Summary

#### **Account Information**

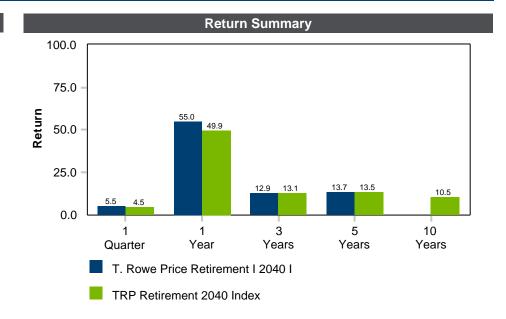
Product Name : T Rowe Price Ret:I2040;I (TRPDX)
Fund Family : T. Rowe Price Associates Inc

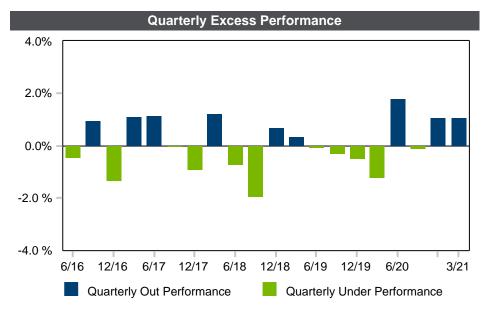
Ticker: TRPDX

Peer Group: IM Mixed-Asset Target 2040 (MF)
Benchmark: TRP Retirement 2040 Index

Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$8,155.90 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.51%
Net Expense : 0.51%
Turnover : 21%



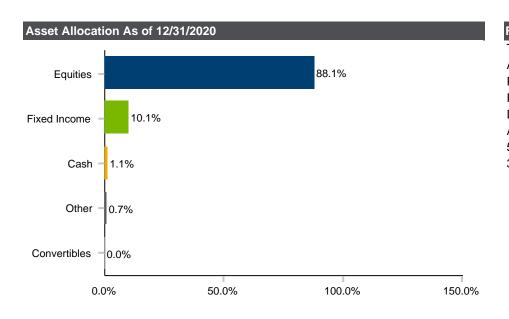


#### **Ratio of Cumulative Wealth - Since Inception**



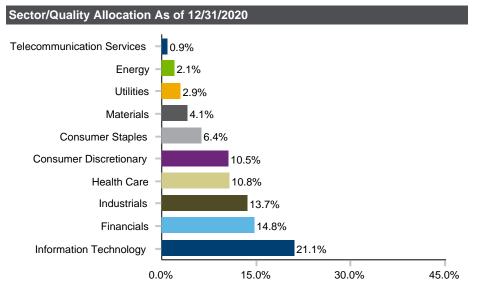


#### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		
Total Securities	27	
Avg. Market Cap	\$220,338.15 Million	
P/E	31.08	
P/B	6.82	
Div. Yield	1.97%	
Annual EPS	9.47	
5Yr EPS	12.18	
3Yr EPS Growth	15.80	

Top Ten Securities As of 12/31/2020	
T Rowe Price Value Fund;Z	18.71 %
T Rowe Price Growth Stock Fund;Z	17.59 %
T Rowe Price Equity Index 500 Fund;Z	9.99 %
T Rowe Price International Value	7.17 %
T Rowe Price Overseas Stock Fund;Z	7.04 %
T Rowe Price International Stock	6.92 %
T Rowe Price Emerging Markets Stock	4.20 %
T Rowe Price Mid-Cap Growth Fund;Z	4.01 %
T Rowe Price New Income Fund;Z	3.96 %
T Rowe Price Mid-Cap Value Fund;Z	3.55 %





#### T. Rowe Price Retirement I 2045 I Performance Summary

#### **Account Information**

Product Name : T Rowe Price Ret:I2045;I (TRPKX)
Fund Family : T. Rowe Price Associates Inc

Ticker: TRPKX

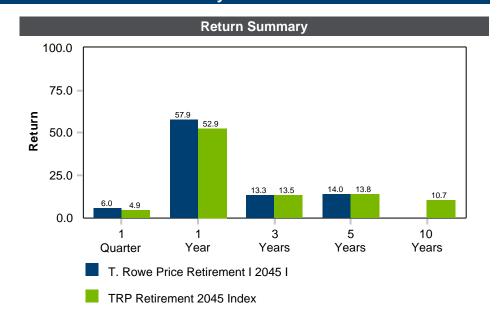
Peer Group: IM Mixed-Asset Target 2045 (MF)
Benchmark: TRP Retirement 2045 Index

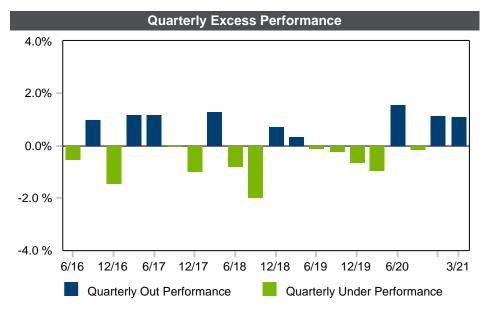
Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$5,506.90 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.51%

Net Expense : 0.51%

Turnover : 19%



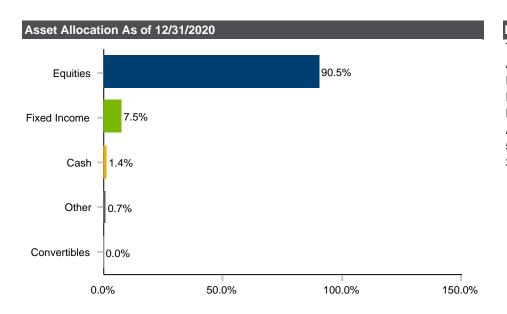


#### **Ratio of Cumulative Wealth - Since Inception**



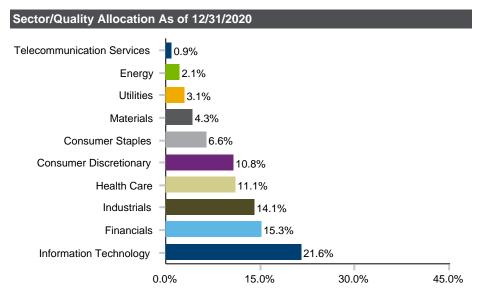


#### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		
Total Securities	24	
Avg. Market Cap	\$223,104.71 Million	
P/E	31.89	
P/B	6.95	
Div. Yield	2.00%	
Annual EPS	9.28	
5Yr EPS	12.42	
3Yr EPS Growth	16.13	

Top Ten Securities As of 12/31/2020	
T Rowe Price Value Fund;Z	20.02 %
T Rowe Price Growth Stock Fund;Z	18.64 %
T Rowe Price Equity Index 500 Fund;Z	8.27 %
T Rowe Price International Value	7.55 %
T Rowe Price International Stock	7.30 %
T Rowe Price Overseas Stock Fund;Z	7.30 %
T Rowe Price Emerging Markets Stock	4.40 %
T Rowe Price Mid-Cap Growth Fund;Z	4.08 %
T Rowe Price Mid-Cap Value Fund;Z	3.74 %
T Rowe Price Small-Cap Stock Fund;Z	2.64 %





#### T. Rowe Price Retirement I 2050 I Performance Summary

#### **Account Information**

Product Name : T Rowe Price Ret:I2050;I (TRPMX)
Fund Family : T. Rowe Price Associates Inc

Ticker: TRPMX

Peer Group: IM Mixed-Asset Target 2050 (MF)
Benchmark: TRP Retirement 2050 Index

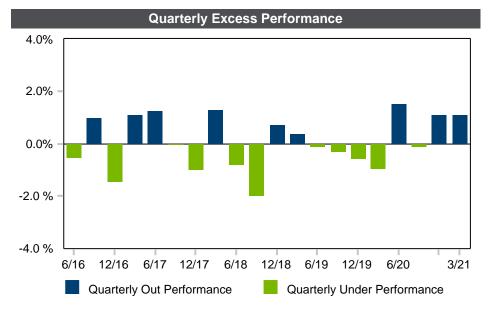
Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$5,176.10 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.52%

Net Expense : 0.52%

Turnover : 23%



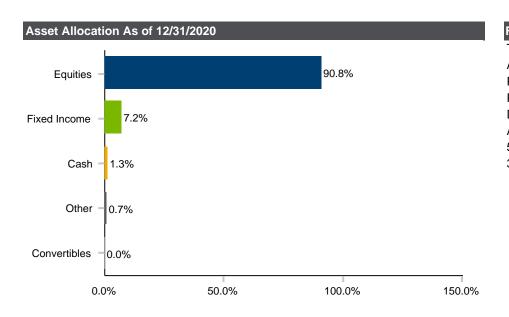


#### **Ratio of Cumulative Wealth - Since Inception**



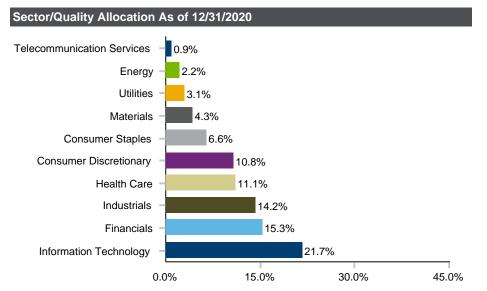


#### **Mutual Fund Attributes**



Fund Characteristics As of 12/31/2020		
Total Securities	24	
Avg. Market Cap	\$223,613.64 Million	
P/E	31.99	
P/B	6.98	
Div. Yield	2.01%	
Annual EPS	9.32	
5Yr EPS	12.48	
3Yr EPS Growth	16.20	

Top Ten Securities As of 12/31/2020		
T Rowe Price Value Fund;Z	20.05 %	
T Rowe Price Growth Stock Fund;Z	18.69 %	
T Rowe Price Equity Index 500 Fund;Z	8.27 %	
T Rowe Price International Value	7.57 %	
T Rowe Price Overseas Stock Fund;Z	7.31 %	
T Rowe Price International Stock	7.29 %	
T Rowe Price Emerging Markets Stock	4.45 %	
T Rowe Price Mid-Cap Growth Fund;Z	4.10 %	
T Rowe Price Mid-Cap Value Fund;Z	3.74 %	
T Rowe Price New Horizons Fund;Z	2.68 %	





#### T. Rowe Price Retirement I 2055 I Performance Summary

#### **Account Information**

Product Name : T Rowe Price Ret:I2055;I (TRPNX)
Fund Family : T. Rowe Price Associates Inc

Ticker: TRPNX

Peer Group: IM Mixed-Asset Target 2055 (MF)
Benchmark: TRP Retirement 2055 Index

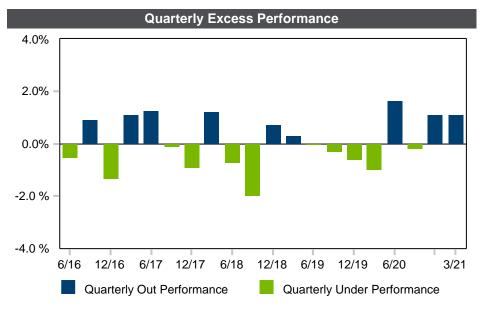
Fund Inception: 09/29/2015
Portfolio Manager: Team Managed
Total Assets: \$2,755.60 Million
Total Assets Date: 03/31/2021

Gross Expense : 0.52%

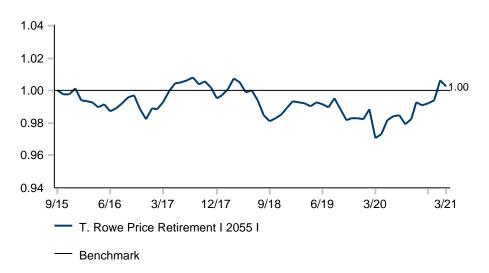
Net Expense : 0.52%

Turnover : 21%



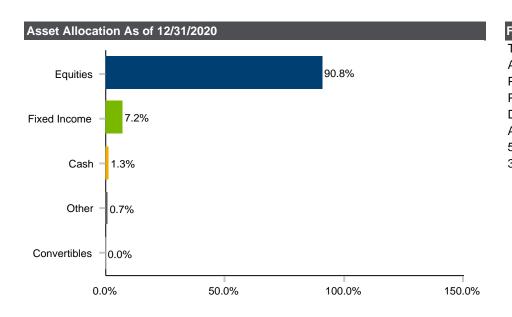


#### **Ratio of Cumulative Wealth - Since Inception**



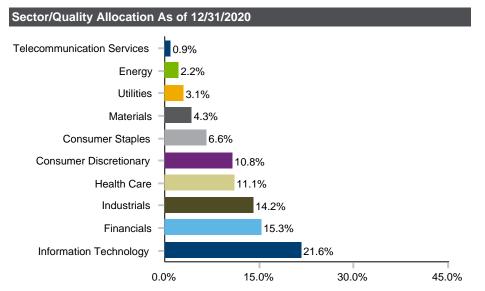


#### **Mutual Fund Attributes**

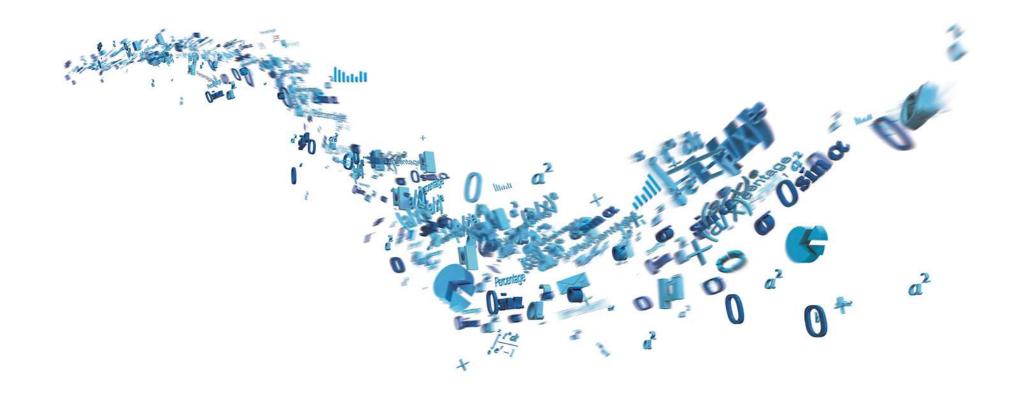


Fund Characteristics As of 12/31/2020		
Total Securities	24	
Avg. Market Cap	\$223,211.45 Million	
P/E	32.00	
P/B	6.97	
Div. Yield	2.01%	
Annual EPS	9.29	
5Yr EPS	12.46	
3Yr EPS Growth	16.18	

Top Ten Securities As of 12/31/2020		
T Rowe Price Value Fund;Z	20.03 %	
T Rowe Price Growth Stock Fund;Z	18.67 %	
T Rowe Price Equity Index 500 Fund;Z	8.19 %	
T Rowe Price International Value	7.60 %	
T Rowe Price International Stock	7.41 %	
T Rowe Price Overseas Stock Fund;Z	7.34 %	
T Rowe Price Emerging Markets Stock	4.46 %	
T Rowe Price Mid-Cap Growth Fund;Z	4.03 %	
T Rowe Price Mid-Cap Value Fund;Z	3.80 %	
T Rowe Price Small-Cap Stock Fund;Z	2.72 %	







# **U.S.** Equity



#### **iShares S&P 500 Index Performance Summary**

#### **Account Information**

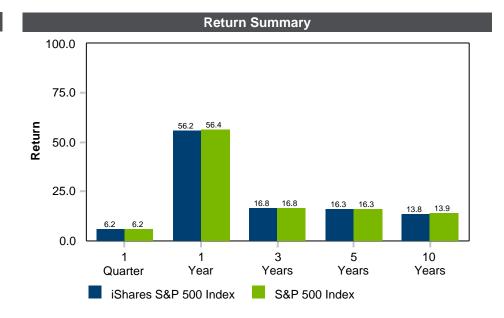
Product Name: BlackRock:IS S&P500;K (WFSPX)

Fund Family: BlackRock Inc Ticker: WFSPX

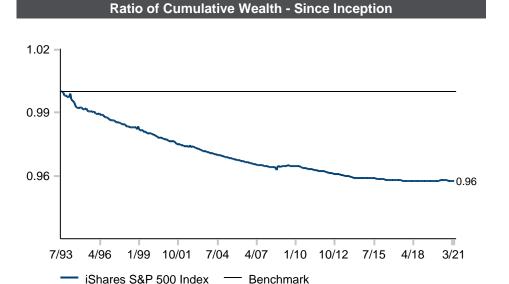
Peer Group: IM S&P 500 Index (MF)

Benchmark: S&P 500 Index
Fund Inception: 07/02/1993
Portfolio Manager: Team Managed
Total Assets: \$10,896.10 Million

Total Assets Date: 03/31/2021 Gross Expense: 0.03% Net Expense: 0.03% Turnover: 5%



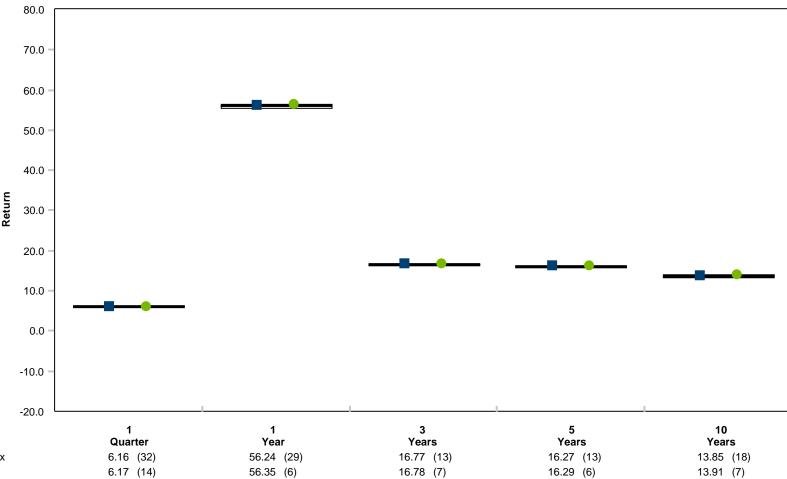
# 0.1% -0.1 % 6/16 12/16 6/17 12/17 6/18 12/18 6/19 12/19 6/20 3/21 Quarterly Out Performance Quarterly Under Performance





## Peer Group Analysis

#### IM S&P 500 Index (MF)

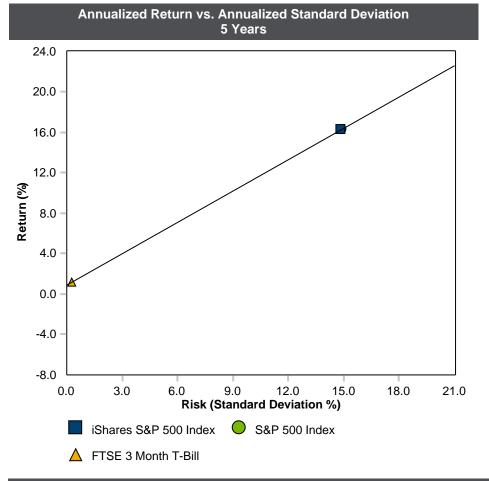


	1 Quarter	1 Year	3 Years	5 Years	10 Years	
■ iShares S&P 500 Index	6.16 (32)	56.24 (29)	16.77 (13)	16.27 (13)	13.85 (18	
<ul> <li>S&amp;P 500 Index</li> </ul>	6.17 (14)	56.35 (6)	16.78 (7)	16.29 (6)	13.91 (7)	
5th Percentile	6.21	56.35	16.80	16.32	13.94	
1st Quartile	6.17	56.25	16.74	16.25	13.84	
Median	6.14	56.09	16.62	16.10	13.71	
3rd Quartile	6.10	55.94	16.45	15.98	13.58	
95th Percentile	5.93	55.44	16.16	15.70	13.31	



#### 5 Years Ending March 31, 2021

#### iShares S&P 500 Index Risk Profile





5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
iShares S&P 500 Index	-0.02	0.04	-0.56	1.00	1.01	0.00	1.00	16.27	14.87	1.00
S&P 500 Index	0.00	0.00	N/A	1.00	1.01	0.00	1.00	16.29	14.89	1.00
FTSE 3 Month T-Bill	-15.14	14.93	-1.01	0.03	N/A	1.20	0.00	1.15	0.25	-0.17

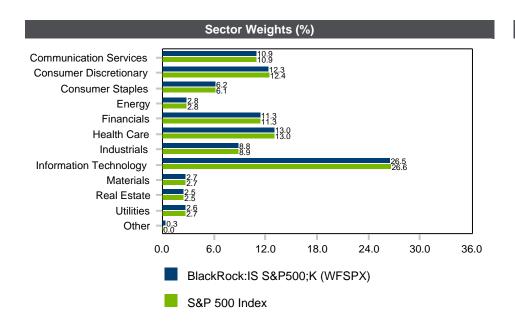


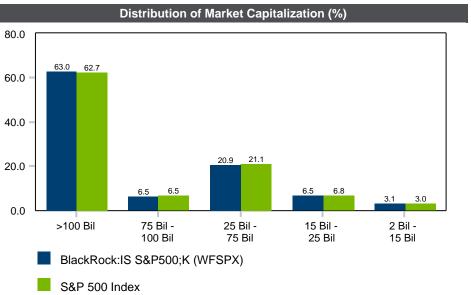
#### **Portfolio Characteristics**

#### BlackRock:IS S&P500;K (WFSPX) vs. S&P 500 Index

	Portfolio Characteristics	
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	463,637	461,169
Median Mkt. Cap (\$M)	29,438	29,458
Price/Earnings ratio	29.78	29.90
Price/Book ratio	4.51	4.52
5 Yr. EPS Growth Rate (%)	17.44	17.34
Current Yield (%)	1.47	1.47
Beta (5 Years, Monthly)	1.00	1.00
Number of Stocks	506	505

	Top Ten Ed	uity Holdings		
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Apple Inc	5.81	5.73	0.08	-7.81
Microsoft Corp	5.30	5.29	0.01	6.25
Amazon.com Inc	3.93	3.94	-0.01	-5.00
Facebook Inc	2.11	2.11	0.00	7.82
Alphabet Inc	1.85	1.84	0.01	17.68
Alphabet Inc	1.79	1.77	0.02	18.08
Tesla Inc	1.51	1.53	-0.02	-5.35
Berkshire Hathaway Inc	1.48	1.45	0.03	10.18
JPMorgan Chase & Co	1.38	1.38	0.00	20.66
Johnson & Johnson	1.29	1.29	0.00	5.08
% of Portfolio	26.45	26.33	0.12	







#### **Vanguard Mid Cap Index Performance Summary**

#### **Account Information**

Product Name: Vanguard Md-Cp I;Inst (VMCIX)

Fund Family: Vanguard Group Inc

Ticker: VMCIX

Peer Group : IM U.S. Mid Cap Equity (MF)
Benchmark : Vanguard Spliced Mid Cap Index

Fund Inception: 05/20/1998

Portfolio Manager: Butler/Johnson

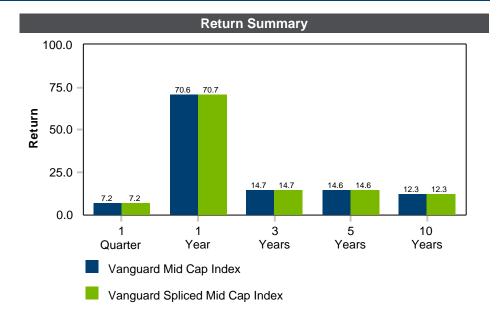
Total Assets: \$23,052.20 Million

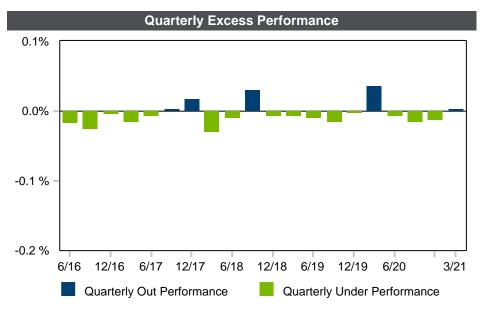
 Total Assets Date :
 02/28/2021

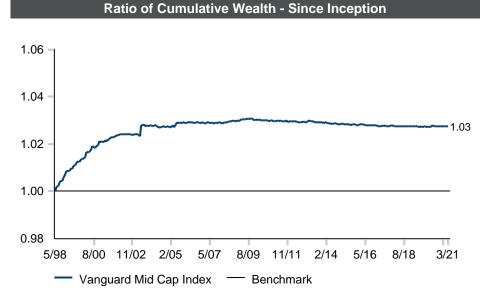
 Gross Expense :
 0.04%

 Net Expense :
 0.04%

 Turnover :
 26%









Vanguard Mid Cap Index

5th Percentile

1st Quartile

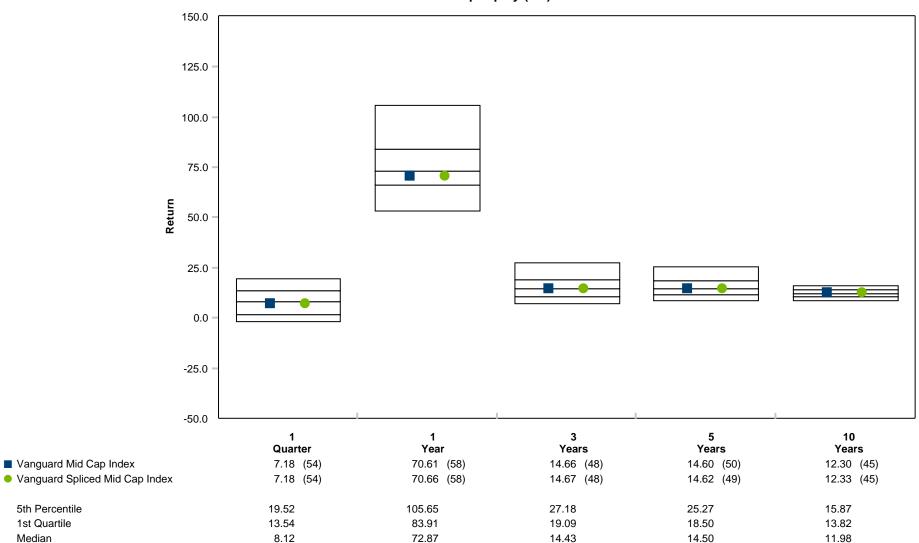
3rd Quartile

95th Percentile

Median

#### **Peer Group Analysis**

IM U.S. Mid Cap Equity (MF)



10.48

7.08

11.70

8.80



10.33

8.48

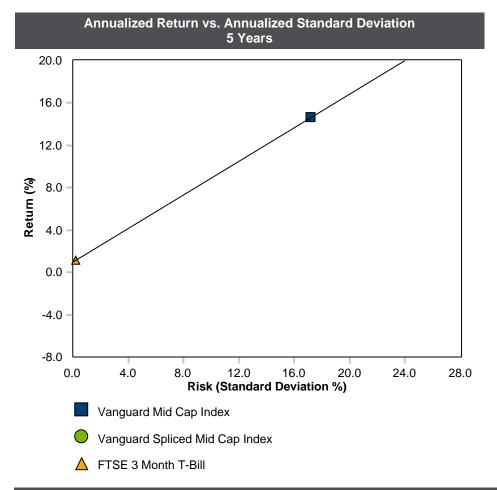
66.18

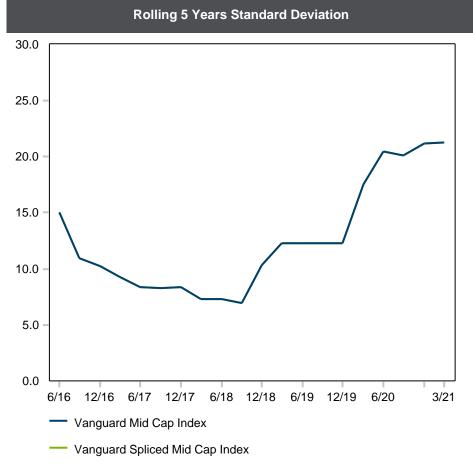
53.25

1.78

-1.85

#### Vanguard Mid Cap Index Risk Profile





5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Vanguard Mid Cap Index	-0.02	0.04	-0.42	1.00	0.81	-0.01	1.00	14.60	17.21	1.00
Vanguard Spliced Mid Cap Index	0.00	0.00	N/A	1.00	0.81	0.00	1.00	14.62	17.22	1.00
FTSE 3 Month T-Bill	-14.07	17.27	-0.81	0.04	N/A	1.20	0.00	1.15	0.25	-0.20

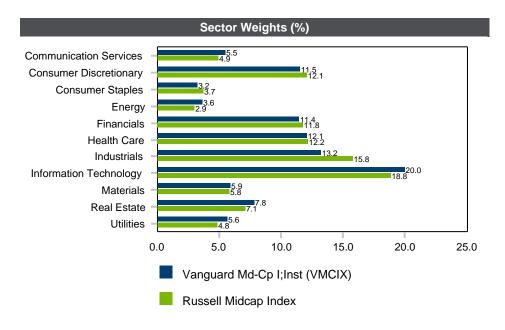


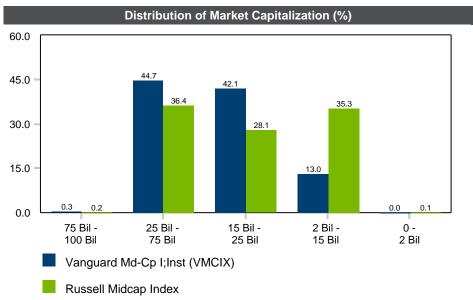
#### **Portfolio Characteristics**

#### Vanguard Md-Cp I;Inst (VMCIX) vs. Russell Midcap Index

	Portfolio Characteristics	
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	24,859	21,504
Median Mkt. Cap (\$M)	19,727	10,413
Price/Earnings ratio	29.03	27.42
Price/Book ratio	3.53	3.51
5 Yr. EPS Growth Rate (%)	13.65	12.37
Current Yield (%)	1.26	1.29
Beta (5 Years, Monthly)	0.98	1.00
Number of Stocks	363	829

Т	op Ten Equity	y Holdings		
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
IDEXX Laboratories Inc	0.66	0.41	0.25	-2.11
Microchip Technology Inc	0.66	0.38	0.28	12.66
Chipotle Mexican Grill Inc	0.64	0.39	0.25	2.46
Amphenol Corp	0.63	0.38	0.25	1.12
Digital Realty Trust Inc	0.63	0.00	0.63	1.83
Cadence Design Systems Inc	0.61	0.37	0.24	0.41
Synopsys Inc	0.60	0.37	0.23	-4.42
Aptiv Plc	0.59	0.36	0.23	5.84
Centene Corp	0.59	0.00	0.59	6.46
Iqvia Holdings Inc	0.59	0.36	0.23	7.80
% of Portfolio	6.20	3.02	3.18	







#### **Baron Growth Inst Performance Summary**

#### **Account Information**

Product Name: Baron Growth;Inst (BGRIX)

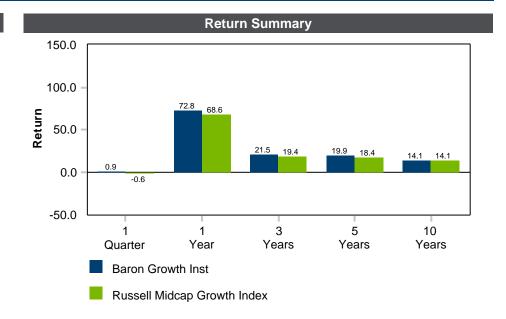
Fund Family: Baron Funds Ticker: BGRIX

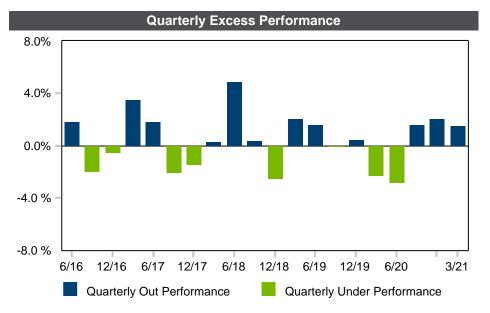
Peer Group: IM U.S. Mid Cap Growth Equity (MF)

Benchmark: Russell Midcap Growth Index

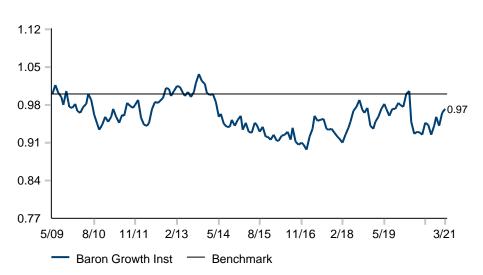
Fund Inception: 05/29/2009
Portfolio Manager: Ronald Baron
Total Assets: \$5,607.70 Million

Total Assets Date: 03/31/2021 Gross Expense: 1.04% Net Expense: 1.04% Turnover: 2%





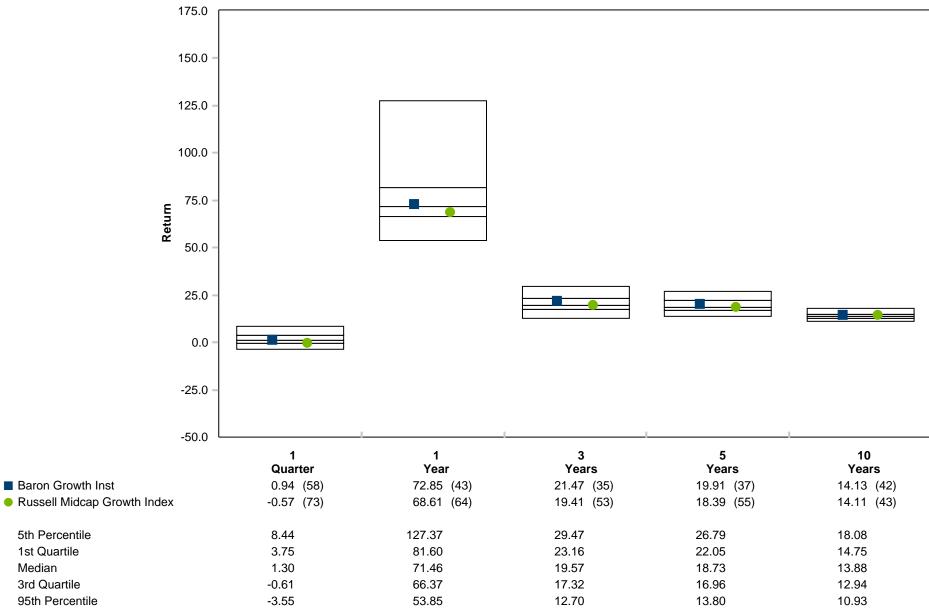
#### Ratio of Cumulative Wealth - Since Inception





#### **Peer Group Analysis**

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

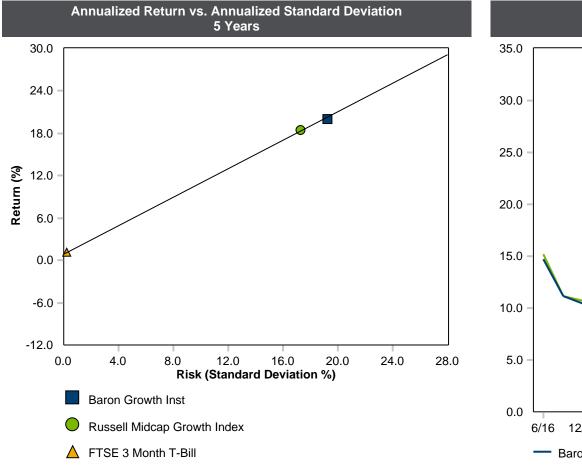


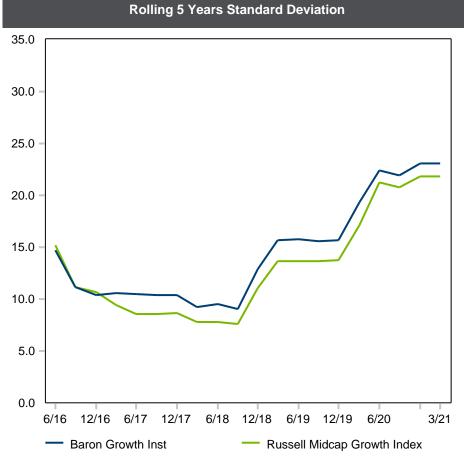
<sup>\*</sup>Alternate share class shown for a historical perspective.



#### 5 Years Ending March 31, 2021

#### **Baron Growth Inst Risk Profile**





5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Baron Growth Inst	1.70	5.48	0.31	0.92	0.99	0.44	1.07	19.91	19.27	0.96
Russell Midcap Growth Index	0.00	0.00	N/A	1.00	1.00	0.00	1.00	18.39	17.33	1.00
FTSE 3 Month T-Bill	-17.33	17.37	-1.00	0.02	N/A	1.19	0.00	1.15	0.25	-0.14

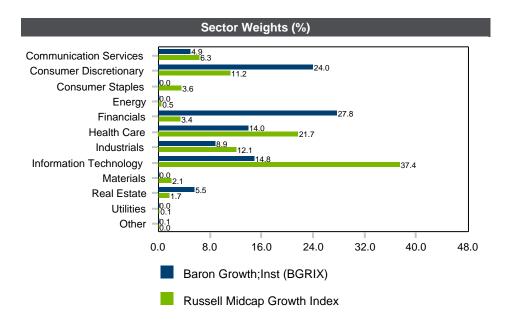


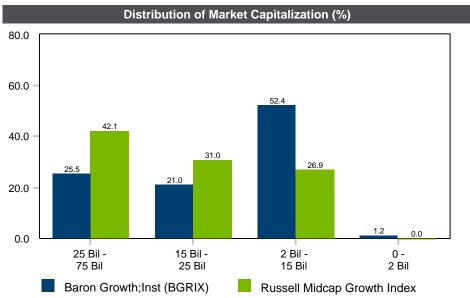
#### **Portfolio Characteristics**

#### Baron Growth;Inst (BGRIX) vs. Russell Midcap Growth Index

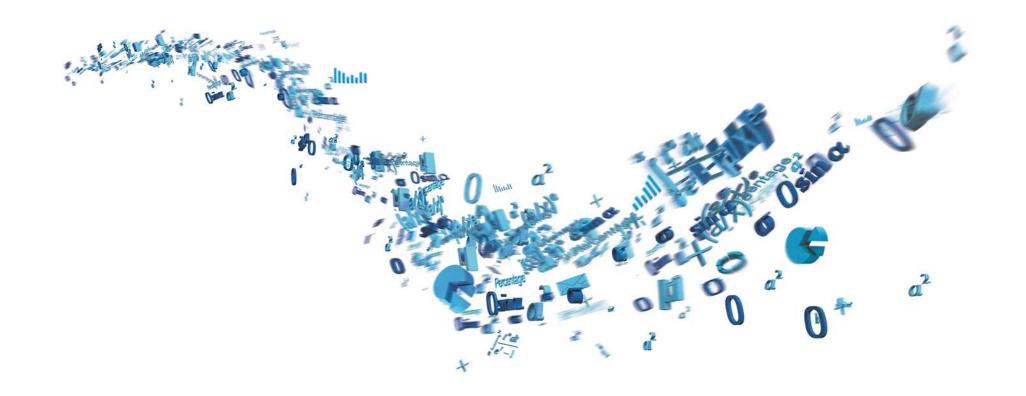
	Portfolio Characteristics	
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	16,817	23,955
Median Mkt. Cap (\$M)	6,908	12,078
Price/Earnings ratio	43.08	39.95
Price/Book ratio	5.20	9.67
5 Yr. EPS Growth Rate (%)	14.43	22.45
Current Yield (%)	0.59	0.47
Beta (5 Years, Monthly)	1.07	1.00
Number of Stocks	47	358

Тор	Ten Equity	Holdings		
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
MSCI Inc	8.33	1.00	7.33	-5.94
Penn National Gaming Inc	7.52	0.00	7.52	21.38
Vail Resorts Inc.	6.69	0.03	6.66	4.55
CoStar Group Inc	5.82	0.95	4.87	-11.08
ANSYS Inc	5.20	0.86	4.34	-6.66
IDEXX Laboratories Inc	4.79	1.22	3.57	-2.11
FactSet Research Systems Inc.	4.25	0.34	3.91	-6.95
Iridium Communications Inc	4.18	0.00	4.18	4.89
Arch Capital Group Ltd	4.06	0.00	4.06	6.38
Bio-Techne Corp	3.72	0.41	3.31	20.37
% of Portfolio	54.56	4.81	49.75	









# **International Equity**



#### **Artisan International Inv Performance Summary**

#### **Account Information**

Product Name: Artisan:Internatl;Inv (ARTIX)

Fund Family: Artisan Partners LP

Ticker: ARTIX

Peer Group: IM International Large Cap Equity (MF)

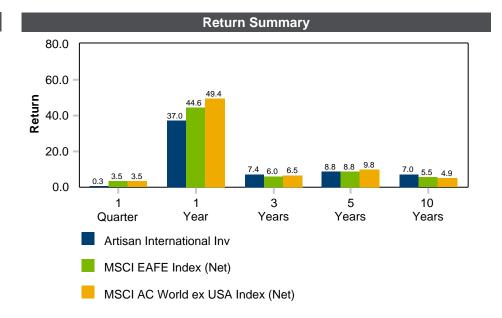
Benchmark: MSCI EAFE Index (Net)

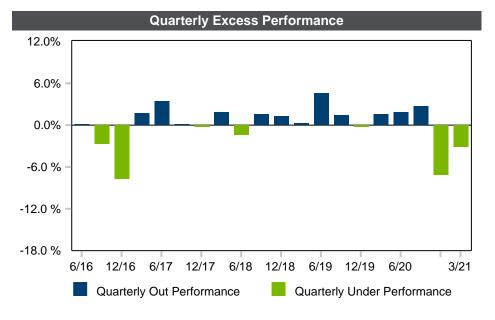
Fund Inception: 12/28/1995

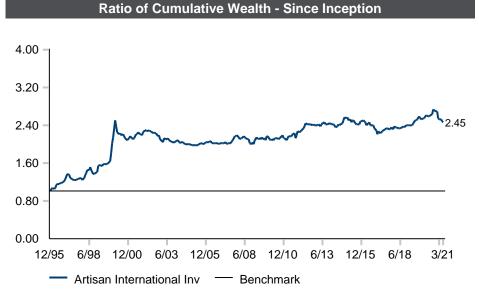
Portfolio Manager: Yockey/Euretig/Hamker

Total Assets: \$3,128.00 Million

Total Assets Date: 02/28/2021 Gross Expense: 1.19% Net Expense: 1.19% Turnover: 54%



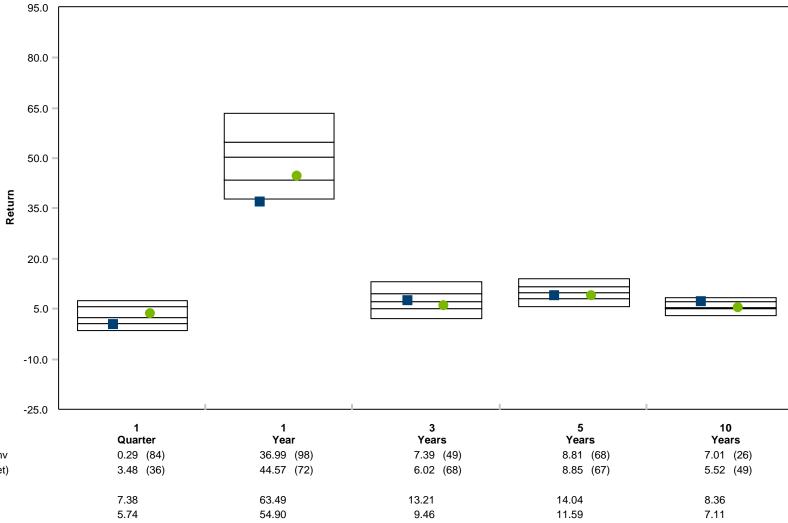






## Peer Group Analysis

#### **IM International Large Cap Equity (MF)**

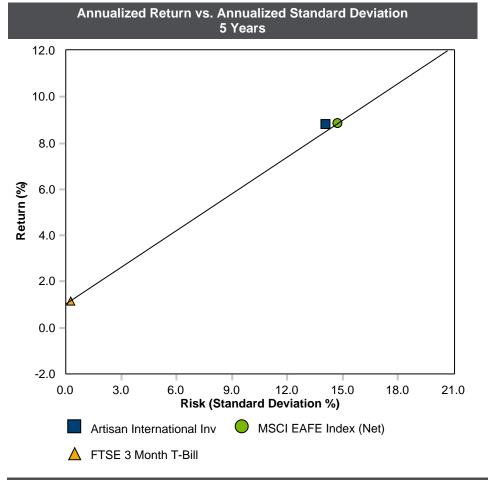


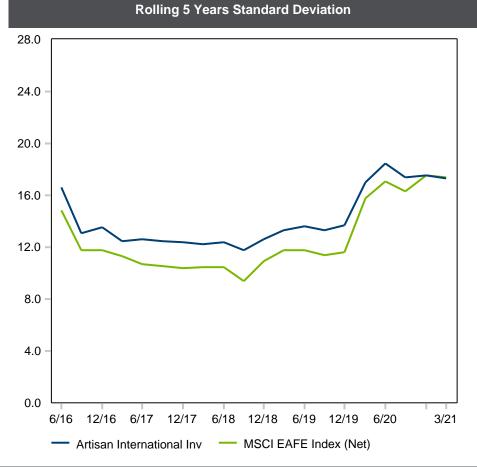
Artisan International Inv	0.29 (84)	36.99 (98)	7.39 (49)	8.81 (68)	7.01
MSCI EAFE Index (Net)	3.48 (36)	44.57 (72)	6.02 (68)	8.85 (67)	5.52
5th Daniel Ch	7.00	00.40	40.04	4404	0.00
5th Percentile	7.38	63.49	13.21	14.04	8.36
1st Quartile	5.74	54.90	9.46	11.59	7.11
Median	2.26	50.33	7.13	9.72	5.49
3rd Quartile	0.70	43.61	5.08	8.05	4.94
95th Percentile	-1.53	37.95	1.96	5.78	2.96



#### 5 Years Ending March 31, 2021

#### **Artisan International Inv Risk Profile**





5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Artisan International Inv	-0.11	5.55	-0.02	0.86	0.59	0.98	0.89	8.81	14.10	0.93
MSCI EAFE Index (Net)	0.00	0.00	N/A	1.00	0.57	0.00	1.00	8.85	14.74	1.00
FTSE 3 Month T-Bill	-8.43	14.79	-0.57	0.05	N/A	1.19	0.00	1.15	0.25	-0.23

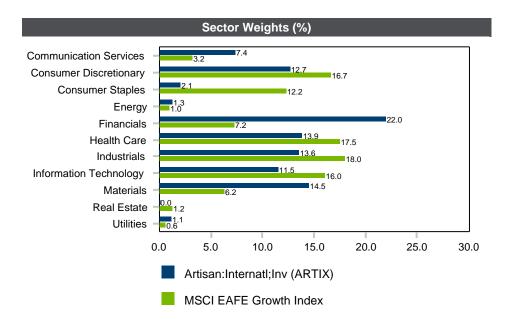


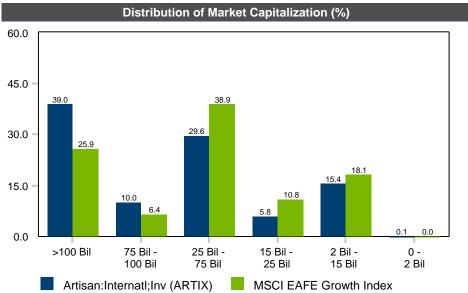
#### **Portfolio Characteristics**

#### Artisan:Internatl;Inv (ARTIX) vs. MSCI EAFE Growth Index

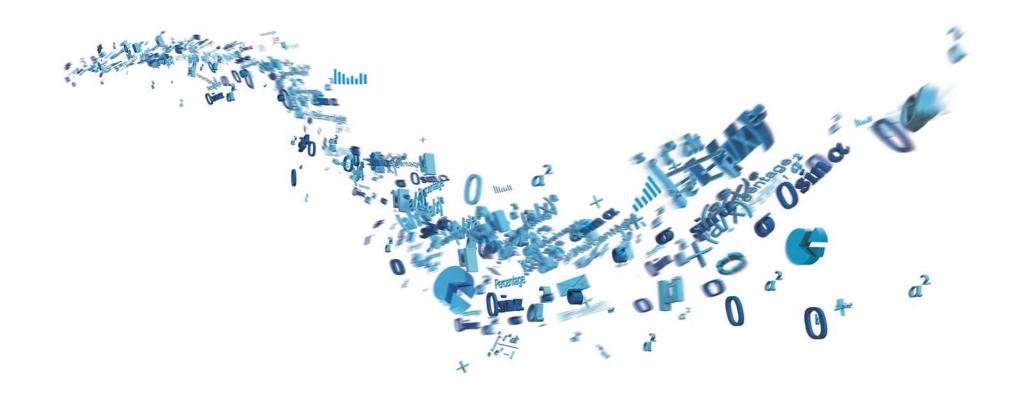
Portfolio Characteristics						
	Portfolio	Benchmark				
Wtd. Avg. Mkt. Cap (\$M)	196,176	85,108				
Median Mkt. Cap (\$M)	45,165	12,886				
Price/Earnings ratio	24.38	32.22				
Price/Book ratio	3.47	4.13				
5 Yr. EPS Growth Rate (%)	11.81	8.76				
Current Yield (%)	1.41	1.35				
Beta (5 Years, Monthly)	0.99	1.00				
Number of Stocks	66	437				

Top Ten Equity Holdings					
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)	
AIA Group Ltd	4.04	1.89	2.15	-1.01	
Linde Plc	4.04	0.00	4.04	6.77	
Deutsche Boerse AG	3.95	0.41	3.54	-2.36	
Roche Holding AG	3.49	2.93	0.56	-4.46	
NICE Ltd	3.01	0.17	2.84	-23.13	
Deutsche Telekom AG	2.99	0.00	2.99	10.16	
L'Air Liquide SA	2.88	1.00	1.88	-0.44	
BNP Paribas	2.87	0.00	2.87	15.48	
Koninklijke DSM NV	2.85	0.38	2.47	-1.67	
Amazon.com Inc	2.64	0.00	2.64	-5.00	
% of Portfolio	32.76	6.78	25.98		





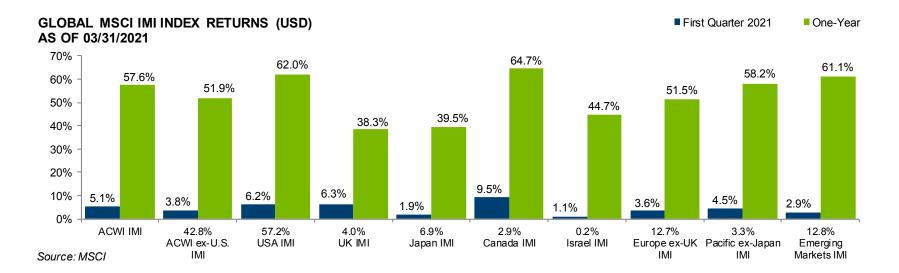




# **Market Environment**



#### **Global Equity Markets**



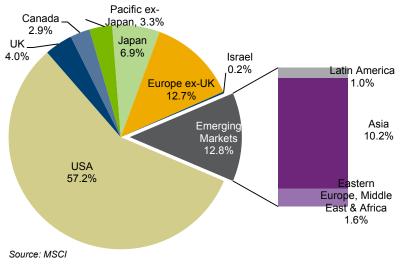
- Global equities ended the quarter higher, backed by further stimulus and positive vaccine developments. The MSCI All Country World Investable Market Index (ACWI IMI) returned 5.1% for the quarter.
- Non-U.S. equities generated positive returns over the quarter but trailed the U.S., with the ACWI ex-U.S. IMI up 3.8% compared to a 6.2% return in the U.S.
- Canadian equities were the strongest region for the quarter, as the Canada IMI returned 9.5%. The index was led higher by its two largest sectors, Financials and Energy, which benefited from rising rates and oil prices.
- The UK also faired well despite facing a rise in COVID-19 cases that prompted stricter lockdowns. Higher global inflation expectations buoyed the index given its large allocation to cyclical sectors such as Financials and Industrials.



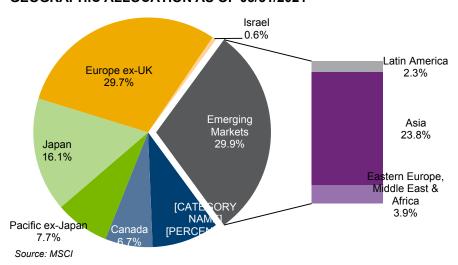
## **Global Equity Markets**

Below is the country/region breakdown of the global and international equity markets as measured by the MSCI All Country World IMI Index and the MSCI All Country World ex-U.S. IMI Index, respectively.

# MSCI ALL COUNTRY WORLD IMI INDEX GEOGRAPHIC ALLOCATION AS OF 03/31/2021



# MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC ALLOCATION AS OF 03/31/2021



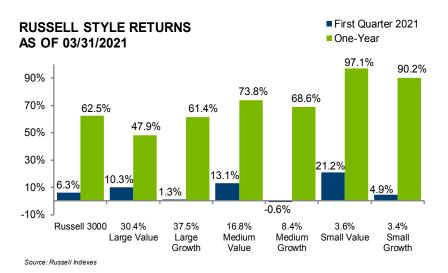


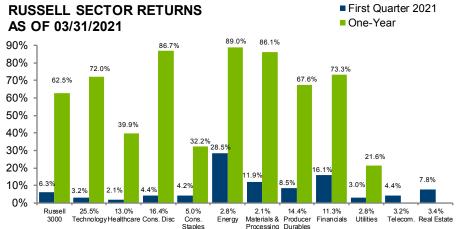
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#### **U.S. Equity Markets**





Source: Russell Indexes(New sectors like Telecommunication and Real Estate One-Year chart excluded due to lack of historical data)

- U.S. equities were generally positive for the quarter, boosted by additional fiscal stimulus and strong vaccination rollouts. President Joe Biden signed a \$1.9tn stimulus package providing more direct payments to Americans and extending the federal emergency unemployment benefits program shortly after being sworn into office. At the end of the quarter, his administration also announced plans for over \$2trn in infrastructure spending. Meanwhile, U.S. GDP rose 4.0% in Q4 (annualized quarter-over-quarter) a lockdowns eased but remained down 2.5% year-over-year.
- The Russell 3000 Index returned 6.3% during the first quarter and 62.5% over the one-year period. All sectors generated positive returns over the quarter. Performance was bolstered by strong quarterly returns from the Energy and Financials sectors, which returned 28.% and 16.1% respectively. Healthcare was the largest laggard with a return of 2.1%. Over the one-year period, the Energy sector lead with a return 89.0%. While facing the near-term pressure due to higher interest rates, the Technology sector, the index's largest weight, was still up 72.0%.
- Small cap stocks outperformed both large and medium cap stocks over the quarter, almost doubling over the year. Value stocks outperformed growth across all market capitalizations for the first quarter of 2021; mid and small cap value have outpaced their growth counterparts over the trailing one-year period as well.

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#### **U.S. Fixed Income Markets**

## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY SECTOR AS OF 03/31/2021

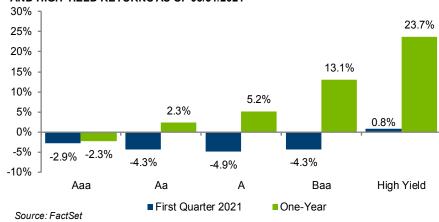


- The Bloomberg Barclays U.S. Aggregate Bond Index fell by 3.4% over the quarter.
- Corporate bonds fared the worst, down 4.6% by quarterend, followed by Government bonds which fell by 4.1%.
- Longer duration bonds (10+ year maturities) fell the most at -10.4%.
- High yield bonds rose by 0.8%, outperforming investment grade credit. Within investment grade bonds, A bonds were the worst performer with a return of -4.9%.

## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY MATURITY AS OF 03/31/2021



## BLOOMBERG BARCLAYS AGGREGATE RETURNS BY QUALITY AND HIGH YIELD RETURNS AS OF 03/31/2021



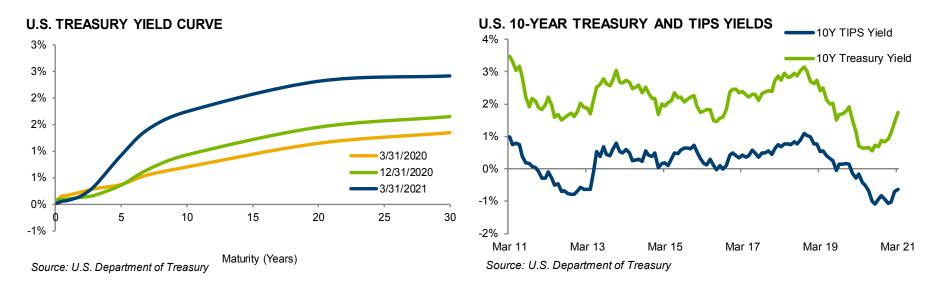


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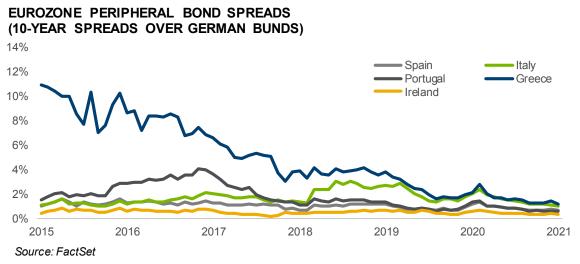
#### **U.S. Fixed Income Markets**



- The U.S. nominal yield curve steepened over the quarter with yields rising sharply across medium to longer maturities. Long-dated yields saw the largest quarterly increase due to higher inflation expectations. Short-term maturities were largely unchanged as the US Federal Reserve (Fed) signalled that it would keep its policy rate near zero until at least 2024.
- The 10-year U.S. treasury yield ended the quarter 81bps higher at 1.74% and the 30-year yield increased by 76bps to 2.41%.
- The 10-year TIPS yield rose by 43bps over the quarter to -0.63%.



# **European Fixed Income Markets**



- European government bond spreads over 10-year German bunds generally narrowed across the Euro Area. The European Central Bank (ECB) pledged to speed up its bond-buying program under its €1.9tn pandemic emergency purchase program (PEPP) citing rising concerns over the surge in eurozone bond yields. Elsewhere, the ECB raised the eurozone growth forecast for 2021 to 4.0% from 3.9%.
- German government bund yields rose by 28bps to -0.30% over the quarter. Economic growth in the Eurozone moderated as GDP contracted by 0.7% in Q4 2020 and fell by 6.8% over the year. Germany's economy grew by 0.1% in Q4 2020 while France contracted by 1.3% over the same period.
- Italian government bond yields rose by 12bps to 0.66%. Following the failure of negotiations to rebuild a coalition government led by Giuseppe Conte, the former president of the European Central Bank, Mario Draghi, was sworn in as the 30th prime minister after forming a national unity government in Italy supported by most major political parties in Italy's parliament.





# **Credit Spreads**

Spread (bps)	03/31/2021	12/31/2020	03/31/2020	Quarterly Change (bps)	One-Year Change (bps)
U.S. Aggregate	31	42	95	-11	-64
Long GoVt	1	1	4	0	-3
Long Credit	126	141	279	-15	-153
Long GoVt/Credit	76	85	151	-9	-75
MBS	12	39	60	-27	-48
CMBS	71	81	188	-10	-117
ABS	35	33	213	2	-178
Corporate	91	96	272	-5	-181
High Yield	310	360	880	-50	-570
Global Emerging Markets	267	268	619	-1	-352

Source: FactSet, Bloomberg Barclays

- Credit spreads continued to tighten but more moderately than previous quarter. Credit spreads over U.S. treasuries generally narrowed over the quarter.
- High Yield credit spreads and MBS spreads narrowed the most in Q1 2021, decreasing by 50bps and 27bps over the quarter.

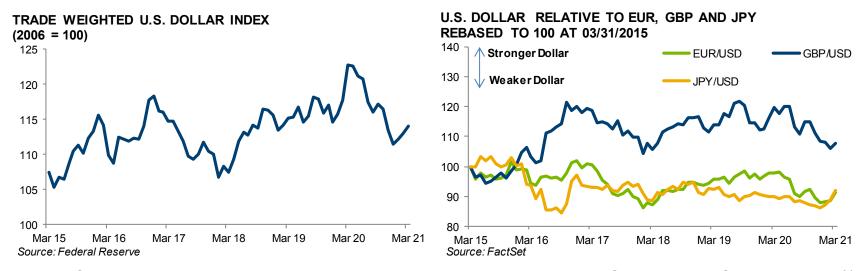


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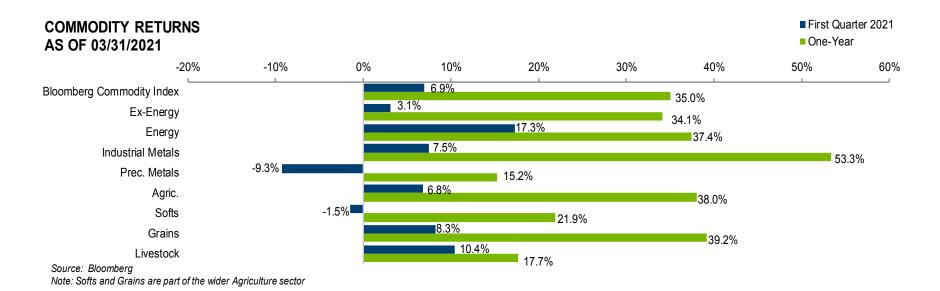
# **Currency**



- The U.S. Dollar appreciated against the Euro and Yen but depreciated against the Sterling. The U.S. dollar rose 2.3% on a trade-weighted basis.
- The Sterling rose by 4.1% on a trade-weighted basis over the quarter. The Bank of England kept the interest rate unchanged at a historic low of 0.1% and downgraded its growth forecasts for 2021 to 5.00% from 7.25%. The Monetary Policy Committee also expects the economy to contract by 4.0% in Q1 2021 and recover rapidly in the second half of the year on the back of vaccination progress, failing which, it may impose negative interest rates. The Sterling appreciated by 0.9% against the U.S. dollar.
- The Bank of Japan (BOJ) continues to target a zero percent 10-year bond yield but widened its tolerance band to plus/minus 0.25% from 0.20%. The BOJ also removed its pledge to buy Exchange-traded funds (ETFs) linked to Topix and Nikkei at an annual pace of approximately ¥6tn.
- The U.S. dollar appreciated by 4.1% and 7.0% against the Euro and Yen, respectively.



# **Commodities**



- Commodities had a strong quarter as the Bloomberg Commodity Index returned 6.9%. Energy and Industrial Metals
  were the main beneficiaries of the reflation trade.
- The Energy sector was the best performing sector as it rose by 17.3% over the quarter and 37.4% over the trailing one-year period. Crude oil prices rose sharply on positive vaccine developments and easing lockdowns. OPEC+ decided to maintain a production rate at 7mb/d, slightly down from the previous quarter's 7.2 mb/d.
- The price of Brent crude oil rose by 22.7% to \$64/bbl. while WTI crude oil spot prices rose by 21.9% to \$59/bbl.

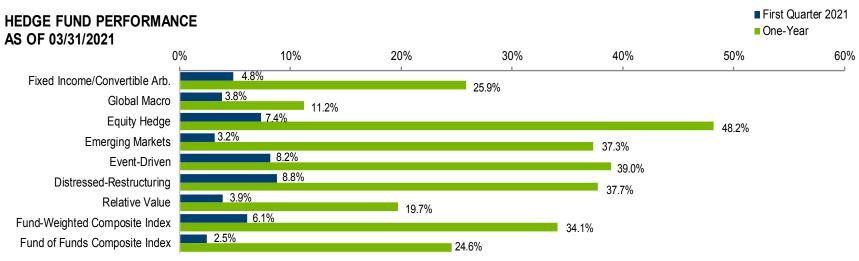


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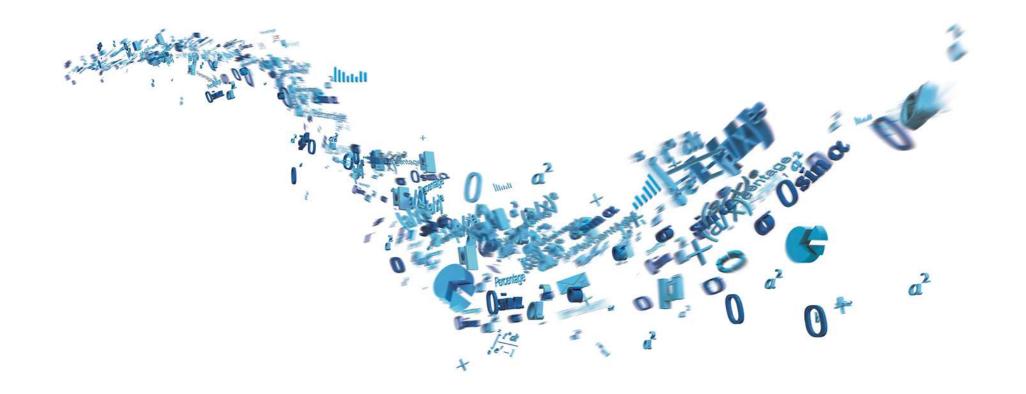
# **Hedge Fund Markets Overview**



Note: Latest 5 months of HFR data are estimated by HFR and may change in the future. Source: HFR

- Hedge fund performance was positive across all strategies in the first quarter.
- HFRI Fund-Weighted Composite Index and the HFRI Fund of Funds Composite Index produced returns of 6.1% and 2.5% respectively.
- Over the quarter, Distressed-Restructuring and Event-Driven strategies were the best performers, returning 8.8% and 8.2% respectively.





# **Fee Analysis**



	Peer Group	Fund's	Expense Ratio Peer Group Data <sup>1</sup>				
Fund Name		Expense		\$ Weighted		\$ Weighted	
		Ratio <sup>8</sup>	Median	Median	Average	Average	Difference <sup>2</sup>
U.S FIXED INCOME							
Great West Portfolio Fund	Stable Value	$0.89\%^{3}$	0.45%	N/A	0.45%	N/A	N/A <sup>3</sup>
PIMCO Total Return Adm	U.S. Broad Market Core Fixed Income	0.71% <sup>7</sup>	0.46%	0.37%	0.50%	0.34%	0.21%
PIMCO Inflation Response MultiAsst Inst	Flexible Portfolio	0.86% <sup>7</sup>	0.99%	0.96%	1.19%	0.97%	-0.33%
TARGET DATE <sup>5,6</sup>							
T. Rowe Price Retirement I 2005 I	Mixed-Asset Target Today (Active)	0.37%	0.51%	0.51%	0.53%	0.53%	-0.16%
T. Rowe Price Retirement I 2010 I	Mixed-Asset Target 2010 (Active)	0.37%	0.39%	0.31%	0.44%	0.41%	-0.07%
T. Rowe Price Retirement I 2015 I	Mixed-Asset Target 2015 (Active)	0.40%	0.43%	0.64%	0.47%	0.46%	-0.07%
T. Rowe Price Retirement I 2020 I	Mixed-Asset Target 2020 (Active)	0.42%	0.47%	0.46%	0.50%	0.48%	-0.08%
T. Rowe Price Retirement I 2025 I	Mixed-Asset Target 2025 (Active)	0.46%	0.47%	0.50%	0.52%	0.53%	-0.06%
T. Rowe Price Retirement I 2030 I	Mixed-Asset Target 2030 (Active)	0.49%	0.50%	0.47%	0.54%	0.49%	-0.05%
T. Rowe Price Retirement I 2035 I	Mixed-Asset Target 2035 (Active)	0.50%	0.53%	0.53%	0.54%	0.52%	-0.04%
T. Rowe Price Retirement I 2040 I	Mixed-Asset Target 2040 (Active)	0.51%	0.55%	0.58%	0.56%	0.56%	-0.05%
T. Rowe Price Retirement I 2045 I	Mixed-Asset Target 2045 (Active)	0.51%	0.55%	0.55%	0.55%	0.54%	-0.04%
T. Rowe Price Retirement I 2050 I	Mixed-Asset Target 2050 (Active)	0.52%	0.55%	0.58%	0.57%	0.56%	-0.05%
T. Rowe Price Retirement I 2055 I	Mixed-Asset Target 2055 (Active)	0.52%	0.55%	0.59%	0.56%	0.55%	-0.04%
U.S. EQUITY							
iShares S&P 500 Index	S&P 500 Index (Passive)	0.03%	0.19%	0.04%	0.23%	0.04%	-0.20%
Vanguard Mid Cap Index	U.S. Mid Cap Core Equity (Passive)	0.04%	0.06%	0.05%	0.21%	0.05%	-0.17%
Baron Growth Inst	U.S. Mid Cap Growth Equity	1.04%	0.87%	0.65%	0.89%	0.70%	0.15%
INTERNATIONAL EQUITY							
Artisan International Inv	International Equity All	1.19%	0.89%	0.35%	0.89%	0.59%	0.30%

<sup>&</sup>lt;sup>1</sup> All information, unless noted otherwise, was created using Morningstar audited expense ratio data as of December 31, 2019. Since mutual fund expense ratios do not change frequently, Aon Investments believes this study to be a relevant comparison for up to a year, at which time the data will be updated. For complete information on Aon Investments methodologies and additional information on the expense ratio distributions, contact your Aon Investments consultant. Mutual fund expense peer groups were constructed by Investment Metrics, and are consistent with the peer groups shown in other exhibits comparing performance, risk-metrics and a multitude of other characteristics.

<sup>&</sup>lt;sup>8</sup>Investment fees are reviewed on a quarterly basis to confirm that they remain reasonable relative to value provided. As part of this review investment fees are compared to peer group averages, but do not need to fall below averages to be deemed reasonable as other factors affect conclusions (performance, downside protection etc.).



<sup>&</sup>lt;sup>2</sup> Difference column represents the difference between the fund's expense ratio and the Peer Group's average expense ratio.

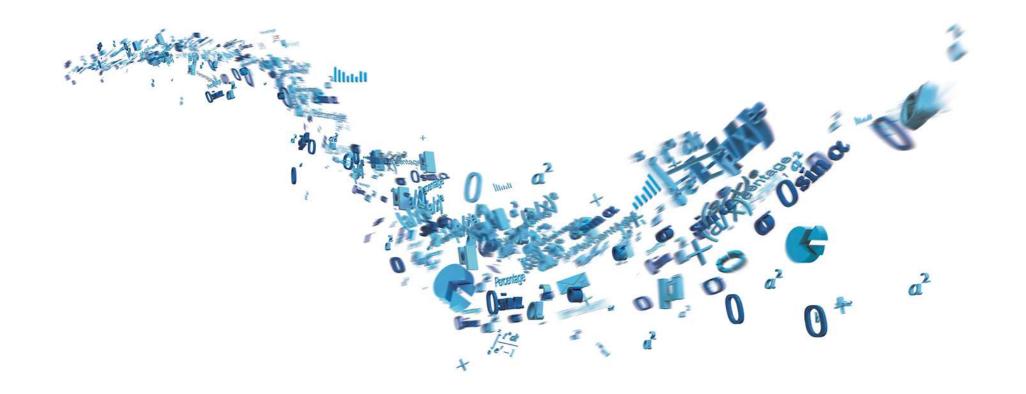
<sup>&</sup>lt;sup>3</sup> In lieu of an expense ratio, Great West assumes a margin of 89 basis points on the Portfolio Fund. This reflects the gross investment yield of the assets minus the crediting rate and cost of maintaining regulatory capital requirements. Given the lack of a defined expense ratio, we are not showing the difference relative to the average peer ratio.

<sup>&</sup>lt;sup>4</sup> Stable value fund average calculated using Hueler Universe data for a mandate size of \$1 million in assets.

<sup>&</sup>lt;sup>5</sup> Mixed Asset peer groups utilize prospectus net expense ratio information due to the nature of the asset classand common use of a Fund of Fund structure.

<sup>&</sup>lt;sup>6</sup> Combines multiple Investment Metrics peer groups.

<sup>&</sup>lt;sup>7</sup> Please note that this is the Adjusted Expense Ratio which excludes certain investment expenses, such as interest expense from borrowings and repurchase agreements and dividend expense from investments on short sales, incurred directly by the Fund. Interest expense can result from portfolio investment transactions and is not paid to PIMCO.



# **Appendix**



#### **Active Returns**

Measures the average excess return of the portfolio relative to a benchmark. The excess return is annualized. The higher the active return, the better the portfolio's performance versus the benchmark.

#### **Alpha**

Measures nonsystematic return, or the return that cannot be attributed to the market. Thus, it can be thought of as how the manager performed if the market had no gain or loss. A positive alpha implies that the manager has added value to the return of the portfolio over that of the market.

#### **Average Credit Quality**

An average of all the credit-quality positions for the fund or underlying fund's bond holdings. The credit quality levels range from AAA (highest) to D (lowest).

### **Average Maturity**

Average maturity is the weighted average of the dates on which the bonds held in the portfolio become due and are to be paid off.

# **Average Weighted Coupon**

A weighted average of the coupons for all bond holdings in the fund or underlying fund's portfolio. This figure is generated by weighing each bond's rate of interest to its relative size in the portfolio.

# **Bloomberg Barclays U.S. Aggregate Bond Index**

This includes all publicly issued, non-convertible domestic debt of the US Government and all its agencies, all investment-grade corporate debt and all mortgage-backed securities. The minimum maturity is one year, but there is no maximum maturity. The bonds must have at least \$250 million par amount outstanding.

Bloomberg Barclays U.S. Government/Credit Bond Index Is made up of the Bloomberg Barclays U.S. Government and Bloomberg Barclays U.S. Capital Credit Indices. All issues are rated investment grade or higher, have at least one year to maturity, and have an outstanding par value of at least \$250 million.

#### Bloomberg Barclays U.S. Government/Credit Intermediate Index

A measure of the movement of approximately 2,800 bonds from the Bloomberg Barclays U.S. Government/Credit index with maturities between 1 and 9.99 years. The total return calculated for the index consists of price appreciation/depreciation and income as a percentage of the original investment.

#### Bloomberg Barclays U.S. Government/Credit Long Index

A measure of the movement of bonds from the Bloomberg Barclays U.S. Government/Credit index with maturities greater than 9.99 years. The total return calculated for the index consists of price appreciation/depreciation and income as a percentage of the original investment.

#### Beta

Measures the risk level of the manager. Beta measures the systematic risk, or the return that is attributable to market movements. A beta equal to one indicates a risk level equivalent to the market. Higher betas are associated with higher risk levels, while lower betas are associated with lower risk levels.

#### **Bottom-Up**

A methodical approach to investing in which investors search for outstanding performance of individual stocks before considering the impact of economic trends. Companies are identified from research reports, stock screens, personal knowledge of the products and services, and other resources. The bottom-up approach assumes that individual companies can do well, even in an industry or sector that is not performing well.

# **Commingled Account**

The collective investment of the assets of several institutional clients, usually through an investment manager allowing for broader and more efficient investing.



#### **Consumer Price Index (CPI)**

A measure of the average change in prices over time of a fixed group of goods and services. The CPI is published by the Bureau of Labor Statistics in the Department of Labor and is released monthly. It is widely used as a cost-of-living benchmark.

#### Correlation

Statistical measure of the degree to which the movements of two variables are related, ranging from 1 to -1. For asset allocation purposes, mixing two assets with a correlation less than 1 results in a benefit of diversification because the two assets do not behave in exactly the same manner.

#### **Core Investment Style**

An investment approach that managers utilize by reviewing the entire universe of growth and value stocks within a market capitalization range, then choosing a combination of the most attractive of either type to create a blended portfolio with a style that is neither a pure value nor a pure growth. Core portfolio characteristics including P/E ratio, P/B ratio, and dividend yield that typically lie between growth and value portfolios.

#### Coupon

The interest on a debt security, e.g., a bond, the issuer promises to pay to the holder until maturity, expressed as an annual percentage of the security's face value. For example, a bond with a 10% coupon will pay \$10 per \$100 of the face amount per year.

#### **Current Yield**

The annual interest on a bond divided by the market price. If a \$1,000 bond was bought at \$800 and the annual income from the bond was \$100, the current yield is \$100 divided by \$800, or 12½%.

#### **Dow Jones Industrial Average**

Computed by summing the prices of the stocks of 30 companies and then dividing that total by a value which has been adjusted over the years so that the index is not affected by stock splits.

#### Downside Risk

Estimate that a security will decline in value and the extent of the decline, taking into account the total range of factors affecting market price.

#### Duration

Measure of the price change of a bond to a change in its yield to maturity. It summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. The price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. That price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

#### **Excess Risk**

A measure of the standard deviation of a portfolio's performance relative to the risk free return, represented by 90-Day T-Bills.

#### **Expense Ratio**

A figure that represents the percentage of fund assets paid for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except for brokerage costs and sales charges.



#### **Fundamental Analysis**

A method of analyzing the balance sheet and income statement of a company in order to forecast its future stock price movements. Analysts consider the company's past records of assets, earnings, sales, products, management, and markets in predicting future trends in these indicators of a company's success or failure.

#### **Growth Stock**

Stock of a company which is growing earnings and/or revenue faster than its industry or the overall market and is expected to continue to show high levels of profit growth and P/E multiples. Such a company usually pays little or no dividends, preferring to use the income to finance further expansion. Generally, these stocks are contrasted with value stocks that trade at lower P/E multiples.

#### Information Ratio

The information ratio is a measure of the consistency of excess return. This value is determined by taking the annualized excess return over a benchmark (style benchmark by default) and dividing it by the standard deviation of excess return.

#### **Large Cap**

"Large cap" refers to stock with a large capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Large cap stocks typically have at least \$5 billion in outstanding market value.

# **Long-Term Earnings Growth**

The long-term perspective earnings growth rate is the assetweighted average of the long-term perspective earning growth rates of all the domestic stocks in the fund's portfolio as of the date of the portfolio. Each portfolio holding is weighted by the percentage of domestic equity assets it represents, so that largest positions have proportionately greater influence on the fund's aggregate long-term earnings growth rate. Long-term prospective earnings growth rates for stocks are provided by a third party stock data vendor.

#### **Market Capitalization**

The value of a corporation as determined by the market price of its issued and outstanding common stock, calculated by multiplying the number of outstanding shares by the current market price of a share. Market capitalization may also refer to the total current value of the holdings of a mutual fund.

#### Maturity

Refers to the date at which a debt instrument is due and payable. A bond due to mature on January 1, 2010 will return the bondholder's principal and final interest payment when it reaches maturity on that date.

#### **Median Market Capitalization**

The median market capitalization of the companies in a fund's portfolio. Half of the fund's money is invested in the stocks of companies larger than the median market capitalization, and half is invested in smaller issuers.

## Mid Cap

"Mid cap" refers to stock with a medium capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Mid cap stocks typically have between \$1 and \$10 billion in outstanding market value.

#### MSCI - EAFE

Europe, Australia and Far East Equity Index, calculated by the Morgan Stanley Capital International group. The index acts as a benchmark for managers of international stock portfolios.

#### **Mutual Fund**

A fund operated by an investment company that raises money from shareholders and invests it in stocks, bonds, options, futures, currencies, or money market securities. Mutual funds offer investors the advantages of diversification and professional management. Shares are redeemable on demand at net asset value by shareholders, who share equally in the gains and losses generated by the fund.



#### Price/Book Ratio

This is the weighted average of the price/book ratios of all stocks in a fund's portfolio. The P/B ratio of a company is calculated by dividing the market price of its stock by the company's per share book value (negative book values are excluded).

#### **Price/Earnings Ratio**

This is the weighted average of the price/earnings ratios of all stocks in a fund's portfolio. The P/E ratio of a stock is obtained by dividing the current price of the stock by its trailing 12 months' earnings per share.

### **Quartile Universe Comparison**

These graphs depict the performance of the fund versus its peer group for the periods listed. Each floating bar represents the universe group's performance over the selected time period. For each period, there is a high, low, median, and first and third quartile point.

## **R-Squared Statistic**

A statistic that measures the reliability of alpha and beta in explaining the return of a manager as a linear function of the market. Higher R-squared values indicate more reliable alpha and beta statistics and are useful in assessing a manager's investment style.

# **ROE** (Return on Equity)

The amount, expressed as a percentage, earned on a company's common stock investment for a given period. Return on equity tells commons stockholders how effectually their money is being employed.

# Risk Return Graph

This graph is used to compare the performance and risk (standard deviation) of the fund against the performance and risk of an appropriate benchmark for a specific period of time.

#### Rolling Returns Bar Graph

This graph shows the performance of a fund for a specific trailing period (quarterly), and for every three-month period going back for a set of previous periods.

#### Russell 1000 Index

A market index comprised of the highest-ranking 1,000 stocks in the Russell 3000 Index, representing about 90% of the Russell 3000 Index total market capitalization.

#### Russell 1000 Growth Index

This contains those Russell 1000 securities with a greater-thanaverage growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### Russell 1000 Value Index

This contains those Russell 1000 securities with a lower-thanaverage growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.

#### Russell 2000 Index

A market index comprised of the 2,000 smallest companies in the Russell 3000 Index, representing approximately 10% of the Russell 3000 Index total market capitalization.

#### **Russell 2000 Growth Index**

This contains those Russell 2000 securities with a greater-thanaverage growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### Russell 2000 Value Index

This contains those Russell 2000 securities with a lower-thanaverage growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.



#### **Russell Midcap Index**

This contains the 800 smallest companies in the Russell 1000 Index, representing approximately 25% of the Russell 1000 Index total market capitalization.

#### **Russell Midcap Growth Index**

This contains those Russell Midcap securities with a greater-thanaverage growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### **Russell Midcap Value Index**

This contains those Russell Midcap securities with a lower-thanaverage growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.

#### Sector

A particular group of stocks, usually found in one industry or a combination of industries, such as airline or railroad stocks.

#### **Separate Account**

An account established by an investment manager for investment of a specific client's assets and maintained exclusively for such assets.

# **Sharpe Ratio**

This is a risk-adjusted measure calculated by using standard deviation and excess return to determine reward per unit of risk. In general, the higher the Sharpe Ratio, the better the fund's historical risk-adjusted performance. The Sharpe ratio is calculated by dividing the fund's annual excess return by the fund's annualized standard deviation.

#### **Small Cap**

"Small cap" refers to stock with a small capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Small cap stocks typically have up to \$1 billion in outstanding market value.

#### Standard & Poor's Index (S&P 500)

Covers 400 industrial, 40 utility, 20 transportation, and 40 financial companies of the US markets (mostly NYSE issues). The index represents about 75% of NYSE market capitalization. It is a capitalization-weighted index calculated on a total return basis with dividends reinvested.

#### Standard Deviation

A statistical gauge of risk which measures the spread of the difference of returns from their average. The more a portfolio's returns vary from its average, the higher the standard deviation.

#### **Top-Down**

A methodical approach to investing in which investors consider current trends in the overall economy, and next selects the industries and then companies that should benefit from such trends. For example, if inflation stays low consumers' spending power will be enhanced; investors may be attracted to retailing companies with the best earnings prospects in the near-term. If rapid inflation is expected, investors might look at the mining industry and then try to determine which particular gold, copper or other mining company might benefit from a rising trend in prices. The opposite approach to top-down investing is a bottom-up method.

# **Tracking Error**

The deviation of a dependent variable (i.e. an investment portfolio) with respect to a reference function (i.e. a benchmark index).

#### **Turnover Ratio**

This is a measure of the fund's trading activity that is calculated by taking the lesser of purchases or sales (excluding all securities with maturities of less than one year) and dividing by average monthly assets. The resulting percentage loosely represents the percentage of the portfolio's holdings that have changed over the past year.

#### Universe

These are composites of managers that share a common investment style and provide a peer analysis of how the fund is performing relative to other investments in the same asset and style category



# **Up/Down Capture**

The up and down capture is a measure of how well a manager was able to replicate or improve on phases of positive benchmark returns, and how badly the manager was affected by phases of negative benchmark returns. To calculate the up capture, we first form a new series from the manager and benchmark series by dropping all time periods where the benchmark return is zero or negative. The up capture is then the quotient of the annualized return of the resulting manager series, divided by the annualized return of the resulting benchmark series. The down capture is calculated analogously.

#### Value Stock

A stock that is considered to be a good investment at a desirable price, based on fundamental analysis, such as its P/B and its P/E, among other criteria. Generally, these stocks are contrasted with growth stocks that trade at higher P/E multiples.



Bloomberg Barclays Corporate High Yield Bond Index - An index that covers the U.S.D-dominated, non- investment grade, fixed rate, taxable corporate bond market. Debt issues from emerging market countries are excluded. Securities are classified as high-yield if the middle rating is Ba1/BB+ or below.

Bloomberg Barclays Emerging Markets Index - An unmanaged index that tracks total returns for external-currency-denominated debt instruments of the emerging markets.

**Bloomberg Barclays Global Aggregate** - Provides a broad-based measure of the global investment-grade fixed income markets. The three major components of this index are the U.S. Aggregate, the Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds, Canadian government, agency and corporate securities, and U.S.D investment grade 144A securities.

Bloomberg Barclays Global Treasury Ex-U.S. - The Barclays Global Treasury ex U.S. Index is a subset of the flagship Global Treasury Index that does not have any exposure to U.S. debt. This multi-currency benchmark includes investment grade, fixed-rate bonds issued by governments in their native currencies.

Bloomberg Barclays Inflation Index - Measures the performance of the U.S. Treasury Inflation Protected Securities ("TIPS") market.

**Bloomberg Barclays Universal Index** - A market value-weighted index which is the union of the U.S. Aggregate Index, U.S. High Yield Corporate Index, Eurodollar Index, U.S. Emerging Markets Index and the CMBS High Yield Index. The Index is appropriate for core plus fixed income mandates.

Bloomberg Barclays U.S. Aggregate Bond Index - A market value-weighted index consisting of government bonds, SEC-registered corporate bonds and mortgage-related and asset-backed securities with at least one year to maturity and an outstanding par value of \$250 M or greater. This index is a broad measure of the performance of the investment grade U.S. fixed income market.

Bloomberg Barclays U.S. Government/Credit Index - A subcomponent of the Barclays Capital Aggregate Index, this benchmark includes treasury securities, government related issues, and high quality corporate bonds with an outstanding par value of \$250 M or greater and at least one year of maturity remaining.

**Bloomberg Barclays U.S. Government Index** - A market value weighted index of U.S. government and government agency securities (other than mortgage securities) with maturities of one year or more.

Bloomberg Barclays U.S. High Yield Index - An index composed of non-investment grade corporate debt denominated in U.S. dollars. The issues have to have an outstanding par value of \$150 M or greater and at least one year of maturity remaining.

Bloomberg Barclays U.S. Intermediate Aggregate Bond Index - A market value-weighted index consisting of U.S. Treasury securities, corporate bonds and mortgage-related and asset-backed securities with one to ten years to maturity and an outstanding par value of \$250 M or greater.

**Bloomberg Barclays U.S. Intermediate Government Bond Index** - An unmanaged index considered representative of intermediate- term fixed-income obligations issued by the U.S. Treasury, government agencies and quasi-federal corporations.

Bloomberg Barclays U.S. Intermediate Government/Credit Index - A market-value weighted index consisting of U.S. government bonds and SEC-registered corporate bonds with one to ten years to maturity and an outstanding par value of \$150 M or greater.

Bloomberg Barclays U.S. Intermediate Treasury - An unmanaged index considered representative of intermediate-term fixed- income obligations issued by the U.S. Treasury.

Bloomberg Barclays U.S. Long Credit Bond Index - An unmanaged index considered representative of long-term fixed-income obligations issued by U.S. corporate, specified foreign debentures, and secured notes that meet the specified maturity, liquidity, and quality requirements. To qualify, bonds must be SEC-registered.



Bloomberg Barclays U.S. Long Gov't/Credit Index - The Barclays Capital U.S. Government/ Credit Bond Index measures performance of U.S. dollar denominated U.S. treasuries, government-related, and investment grade U.S. corporate securities that have a remaining maturity of greater than or equal to 1 year. In addition, the securities have \$250 M or more of outstanding face value, and must be fixed rate and non-convertible.

Bloomberg Barclays U.S. Long Government Bond Index - An unmanaged index considered representative of long-term fixed- income obligations issued by the U.S. Treasury, government agencies and quasi-federal corporations.

**Bloomberg Barclays U.S. TIPS** - A market value-weighted index consisting of U.S. Treasury Inflation Protected Securities with one or more years remaining until maturity with total outstanding issue size of \$500m or more.

Bloomberg Barclays U.S. Treasury 20-30 Year STRIPS Index - A subcomponent of the Barclays Aggregate Index, this benchmark includes long-term treasury STRIPS.

**Bloomberg Commodity Index** - Consists of 22 exchange-traded futures on physical commodities, which are weighted to account for economic significance and market liquidity. Performance is calculated on an excess return basis and reflects commodity future price movements.

BofA Merrill Lynch 3 Month Treasury Bill - An index that measures the average return of the last three-month U.S. Treasury Bill issues.

**BofA Merrill Lynch High Yield Master** - A market-capitalization weighted index that tracks the performance of U.S. dollar- denominated, below investment grade corporate debt publicly issued in the U.S. domestic market.

Citigroup 90-Day T-Bill Index - An index that measures the average return of the last three-month U.S. Treasury Bill issues.

Credit Suisse Leveraged Loan Index - Designed to mirror the investable universe of the U.S. dollar denominated leveraged loan market.

**CRSP U.S. Large Cap Index** - an index comprised of nearly 640 U.S. large cap companies and includes securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 85% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December.

CRSP U.S. Total Market Index - an index comprised of nearly 4,000 constituents across mega, large, small, and micro capitalizations and includes securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 100% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December.

DJ U.S. Completion Total Stock Market Index - A capitalization-weighted index that consists of the stocks in the Dow Jones U.S. Total Stock Market Index less the stocks in the S&P 500 Stock Index.

**DJ U.S. Total Stock Market Index** - A capitalization-weighted stock index representing all domestic common stocks traded regularly on the organized exchanges. The index is the broadest measure of the aggregate domestic stock market and includes approximately 5,000 stocks.

FTSE 4Good U.S. Select Index - a socially responsible investment (SRI) index of U.S. stocks that excludes companies with certain business activities such as weapons, tobacco, gambling, alcohol, nuclear power, and adult entertainment.

FTSE All-World ex-U.S. Index - A capitalization-weighted stock index representing 46 developed market countries and emerging market countries excluding the U.S.



FTSE EPRA NAREIT Global ex-U.S. Index - Designed to represent general trends in eligible real estate equities worldwide. Relevant real estate activities are defined as the ownership, disposure and development of income-producing real estate.

FTSE Global All Cap ex U.S. Index - a market-capitalization weighted index representing the performance of roughly 5350 large, mid and small cap companies in 46 Developed and Emerging markets worldwide, excluding the USA.

FTSE Global Core Infrastructure Index - Represents the performance of infrastructure and infrastructure-related securities companies in a set of industries that FTSE defines as being involved in infrastructure. The series is based on the FTSE Global Equity Index Series and both developed and emerging markets are included.

FTSE NAREIT U.S. Equity REITS - Free float adjusted, market capitalization weighted index of U.S. based equity real estate investment trusts (REITs).

Goldman Sachs Commodity Index - A composite index of commodity sector returns which represents a broadly diversified, unleveraged, long-only position in commodity futures.

HFRI Fund-of-Fund Index - This index is equal-weighted including 800 constituents. It includes both domestic and offshore accounts and is valued in U.S. dollars. Only fund-of-fund products are included in the index that have at least \$50 M under managements and have been actively trading for at least one year. All funds report net monthly returns.

HFRI Fund Weighted Composite Index - The HFRI Fund Weighted Composite Index is a global, equal-weighted index of over 2,000 single-manager funds that report to HFR Database. Constituent funds report monthly net of all fees performance in U.S. Dollar and have a minimum of \$50 M under management or a twelve (12) month track record of active performance. The HFRI Fund Weighted Composite Index does not include Funds of Hedge Funds.

**Hueler Stable Value Index** - The Hueler Analytics Stable Value Pooled Fund Comparative Universe represents investment strategies of \$96 billion in stable value assets, across 24 pooled funds, invested in contracts universe across a universe of 16 general account issuers and 14 synthetic wrap providers. The allocation of pooled fund assets is dominated by synthetic contracts issued by insurance companies and banks.

iMoneyNet All Taxable Money Funds Index - An index made up of the entire universe of money market mutual funds. The index currently represents over 1,300 funds, or approximately 99 percent of all money fund assets.

iMoneyNet Money Fund Average - An index made up of the entire universe of money market mutual funds. The index currently represents over 1,300 funds, or approximately 99 percent of all money fund assets.

**J.P. Morgan EMBI Global Diversified** - Comprised of dollar-denominated Brady bonds, traded loans and Eurobonds issued by emerging market sovereign entities. The Diversified version limits the weights of the index countries by only including a specified portion of those countries' eligible current face amounts of debt outstanding, providing for a more even distribution of weights within the countries in the index.

MSCI All Country World ex-U.S. Index - A capitalization-weighted index of stocks representing 44 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America. Index consists of 23 developed and 21 emerging countries, but excludes the U.S.

MSCI All Country World ex-U.S. Index IMI- A capitalization-weighted index of large, mid and small cap stocks representing 22 developed (excluding the United States) and 24 emerging market countries. The index is the broadest measure of the aggregate non-U.S. stock market, covering approximately 99% of the global equity investment opportunity set outside of the United States.



MSCI All Country World ex-U.S. Small Cap Index - Covers all investable small cap securities with a market capitalization below that of the companies in the MSCI Standard Indices (excluding U.S.), and target approximately 14% of each market's free-float adjusted market capitalization.

MSCI All Country World Index - A capitalization-weighted index of stocks representing 46 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America.

MSCI All Country World Index IMI - A capitalization-weighted index of large, mid and small cap stocks representing 23 developed and 24 emerging market countries. The index is the broadest measure of the aggregate global stock market, covering approximately 99% of the global equity investment opportunity set.

MSCI EAFE Growth Index - A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the growth-oriented companies.

MSCI EAFE Index - A capitalization-weighted index of stocks representing 22 developed countries in Europe, Australia, Asia, and the Far East.

MSCI EAFE Small Cap Index - A capitalization-weighted index of small cap stocks representing 23 developed country markets in Europe, Australia, Asia, and the Far East.

MSCI EAFE Value Index - A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the value-oriented companies.

MSCI Emerging Markets Index - A capitalization-weighted index of stocks representing 22 emerging country markets.

MSCI Emerging Markets Value Index - A capitalization-weighted index considered representative of value stocks across 46 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America.

MSCI U.S. Broad Market Index - A capitalization-weighted stock index that aggregates the MSCI U.S. Large Cap 300, Mid Cap 450, Small Cap 1,750 and Micro Cap Indices. This index represents approximately 99.5% of the capitalization of the U.S. Equity market and includes approximately 3.562 companies.

MSCI U.S. REIT Index - A broad index that fairly represents the equity REIT opportunity set with proper investability screens to ensure that the index is investable and replicable. The index represents approximately 85% of the U.S. REIT universe.

MSCI World Index - A free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed markets, representing 24 developed market country indices.

NCREIF Property Index - A capitalization-weighted index of privately owned investment grade income-producing properties representing approximately \$269 billion in assets.

**NFI ODCE Index** - A capitalization weighted index comprised of open-end, Core funds investing in commercial real estate properties. The funds that constitute the index are subject to certain geographic and property type diversification requirements as well as leverage restrictions. The index reflects the impact of leverage on investment results. The returns shown in this report are net of management fees of the respective funds included in the index.

Rolling 3-year Constant Maturity Treasury Index - An index published by the Federal Reserve Board based on the monthly average yield of a range of Treasury securities, all adjusted to the equivalent of a three-year maturity.

Russell 1000 Growth Index - An index that measures the performance of those Russell 1000 companies with higher price-to- book ratios and higher I/B/E/S growth forecasts.

Russell 1000 Index - A capitalization-weighted index of the 1,000 largest publicly traded U.S. stocks by capitalization.



Russell 1000 Value Index - An index that measures the performance of those stocks included in the Russell 1000 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.

Russell 2000 Growth Index - A capitalization-weighted index of those stocks in the Russell 2000 Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.

Russell 2000 Index - A capitalization-weighted index of the smallest 2,000 stocks in the Russell 3000 Index. The index excludes the largest- and smallest-capitalization issues in the domestic stock market.

Russell 2000 Value Index - An index that measures the performance of those stocks included in the Russell 2000 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.

Russell 2500 Growth Index - A capitalization-weighted index representing those companies within the Russell 2500 Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.

Russell 2500 Index - The Index is constructed by first identifying the 3,000 largest-capitalization U.S. stocks and ranking them by market capitalizations, choosing the bottom 2,500 names on the list.

Russell 2500 Value Index - An index that measures the performance of those stocks included in the Russell 2500 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.

Russell 3000 Growth Index - A capitalization-weighted index consisting of those Russell 3000 Index stocks that have higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.

Russell 3000 Index - A capitalization-weighted index consisting of the 3,000 largest publicly traded U.S. stocks by capitalization. This index is a broad measure of the performance of the aggregate domestic equity market.

Russell 3000 Value Index - A capitalization-weighted index consisting of those Russell 3000 Index stocks that have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.

Russell Mid Cap Growth Index - A capitalization-weighted index representing those stocks in the Russell MidCap Index with higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.

Russell Mid Cap Index - A capitalization-weighted index of the 800 smallest stocks in the Russell 1000 Index. This index is a broad measure of mid-capitalization stocks.

Russell Mid Cap Value Index - A capitalization-weighted index consisting of those Russell MidCap Index stocks that have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.

**S&P 500 Index** - A capitalization-weighted index representing stocks chosen by Standard & Poor's, Inc. for their size, liquidity, stability and industry group representation. The companies in the S&P 500 Index are generally among the largest in their industries.



**S&P Completion Index** -The S&P Completion Index is a sub-index of the S&P Total Market Index, including all stocks eligible for the S&P TMI and excluding all current constituents of the S&P 500. The index covers approximately 4,000 constituents, offering investors broad exposure to mid, small, and micro cap companies.

S&P Leverage Loan Index - A daily total return index that uses LSTA/LPC Mark-to-Market Pricing to calculate market value change.

S&P MidCap 400 Index - A market-capitalization-weighted index of stocks in all major industries in the mid-range of the U.S. stock market.

Wilshire REIT - A measure of the types of U.S. real estate securities that represent the ownership and operation of commercial or residential real estate. To be included in the index, a company must have a market capitalization of \$200 M and have at least 75% of the total revenue derived from the ownership and operation of the real estate assets.

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