Callan

September 30, 2022 Mendocino County Employees' Retirement Association

Investment Measurement Service Quarterly Review

Table of ContentsSeptember 30, 2022

Active Management Overview	
Foreword	2
Domestic Equity Overview	3
International Equity Overview	4
Domestic Fixed-Income Overview	5

Asset Allocation and Performance

Foreword	7
Actual vs. Target Asset Allocation	8
Investment Manager Returns	10
Quarterly Total Fund Attribution	16
Total Fund Ranking	21
Total Fund vs. Callan Public Fund Sponsor Database	22

Domestic Equity

Domestic Equity Composite	26
Vanguard S&P 500 Index	30
Fidelity Low Priced Stock	33
Janus Enterprise	36
Prudential Small Cap Value	39
AB US Small Growth	42

International Equity

International Equity Composite	46
EuroPacific	51
Harbor International	55
Oakmark International	59
Mondrian International	63
T. Rowe Price Intl Small Cap	67
NinetyOne	71

Domestic Fixed Income76Dodge & Cox Income79PIMCO82

Infrastructure 86 JP Morgan Infrastructure 87

Table of ContentsSeptember 30, 2022

Real Estate	
Real Estate Composite	89
RREEF Private	90
Barings Core Property Fund	91
Capital Markets Review	92
Callan Research/Education	108
Definitions	
General definitions	112
Disclosures	118

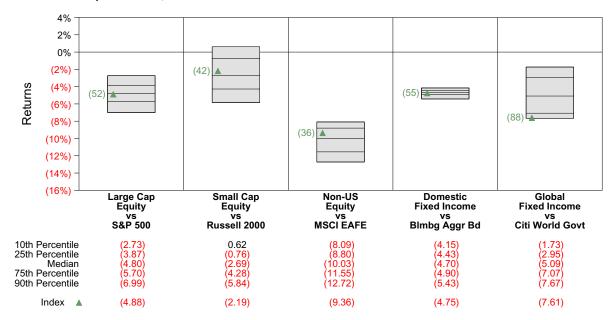
Active Management Overview

Market Overview Active Management vs Index Returns

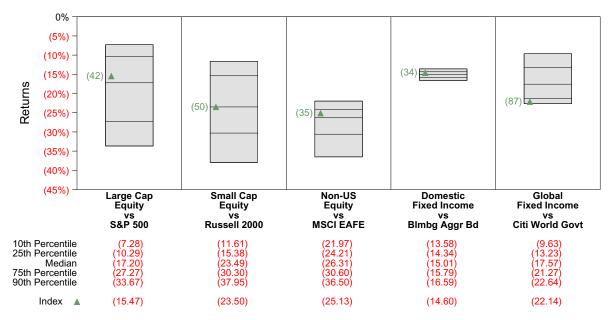
Market Overview

The charts below illustrate the range of returns across managers in Callan's Mutual Fund database over the most recent one quarter and one year time periods. The database is broken down by asset class to illustrate the difference in returns across those asset classes. An appropriate index is also shown for each asset class for comparison purposes. As an example, the first bar in the upper chart illustrates the range of returns for domestic equity managers over the last quarter. The triangle represents the S&P 500 return. The number next to the triangle represents the ranking of the S&P 500 in the Large Cap Equity manager database.

Range of Mutual Fund Returns by Asset Class One Quarter Ended September 30, 2022

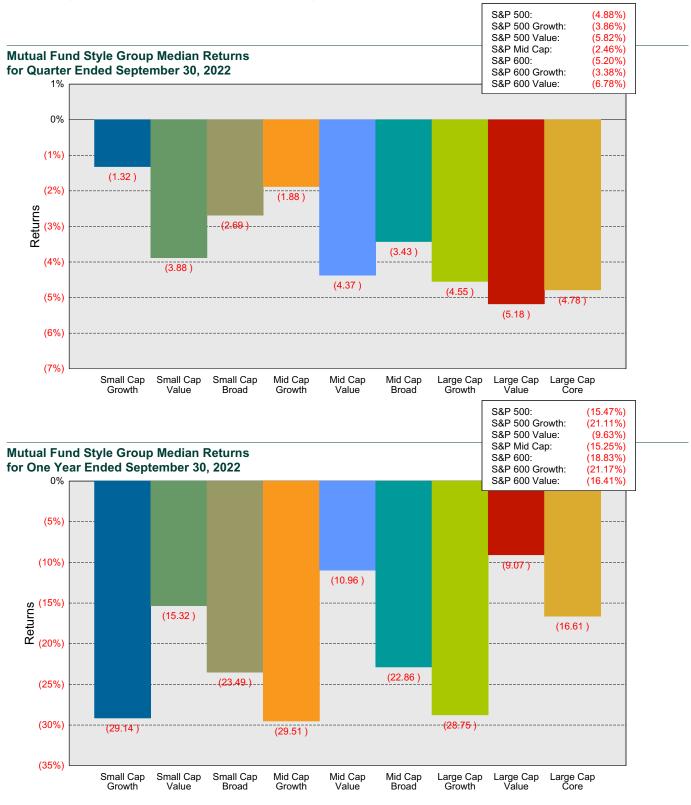


Range of Mutual Fund Returns by Asset Class One Year Ended September 30, 2022



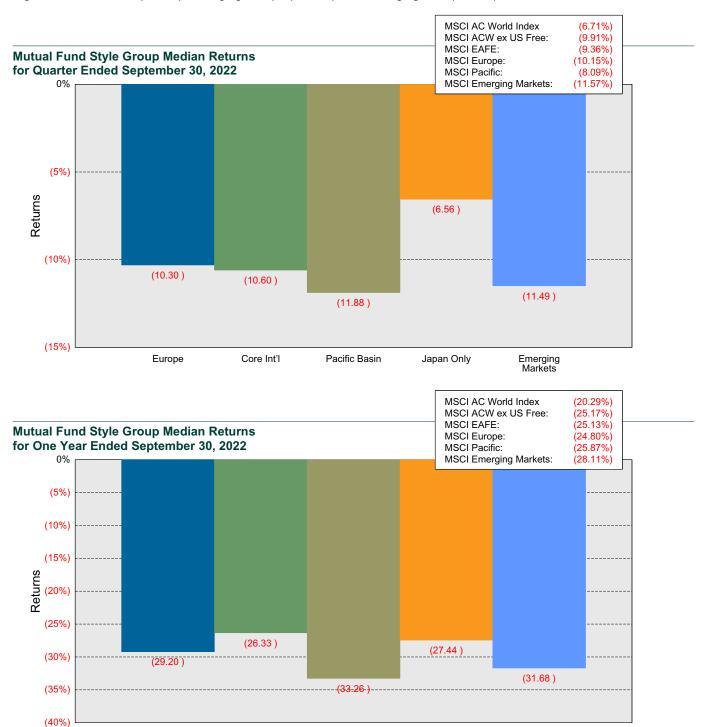
Domestic Equity Active Management Overview

The S&P 500 Index sank 4.9% in 3Q and is down 23.9% year-to-date (YTD). Returns were quite mixed across sectors with Energy (+2.3%) and Consumer Discretionary (+4.4%) posting positive results and Communication Services (-12.7%) and Real Estate (-11.0%) delivering the lowest returns. Somewhat counterintuitively, value underperformed growth (Russell 1000 Value:-5.6%; Russell 1000 Growth: -3.6%), but value remains ahead on a YTD basis (Russell 1000 Value:-17.8%; Russell 1000 Growth: -30.7%). Small caps outperformed large (Russell 2000: -2.2%; Russell 1000: -4.6%), narrowing the YTD differential (Russell 2000: -25.1%; Russell 1000: -24.6%).



International Equity Active Management Overview

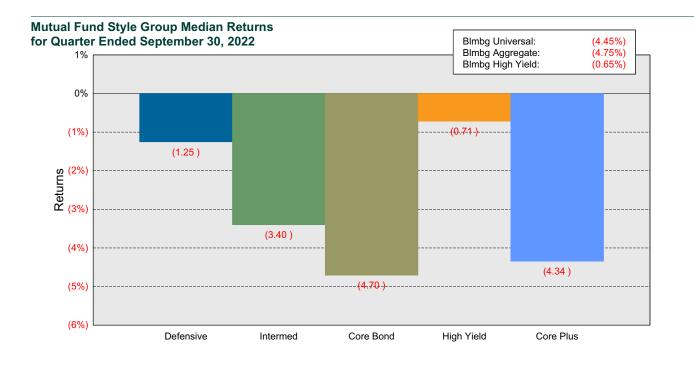
The MSCI ACWI ex USA Index fell 9.9% (Local: -4.9%), bringing its YTD loss to 26.5% (Local: -16.2%). The U.S. dollar continued to strengthen, benefiting from its safe haven status as well as attractive interest rates relative to other developed markets. The yen and euro lost 6% versus the greenback and the British pound fell 8%. Across developed market countries, losses were broad-based with several posting double-digit declines. As in the U.S., value (MSCI ACWI ex USA Value: -10.4%) underperformed growth (MSCI ACWI ex USA Growth: -9.4%). Unlike the U.S., no sectors delivered a positive return in 3Q. Emerging markets (MSCI Emerging Markets: -11.6%; Local: -8.2%) underperformed developed markets for the quarter but returns were mixed across countries. China (MSCI China: -22.5%) was one of the worst performers while several countries posted positive returns; two of the best were India (+6.5%) and Brazil (+8.5%). Returns were also mixed across regions: Latin America (+3.6%), Emerging Europe (-12.4%), and Emerging Asia (-14.0%).

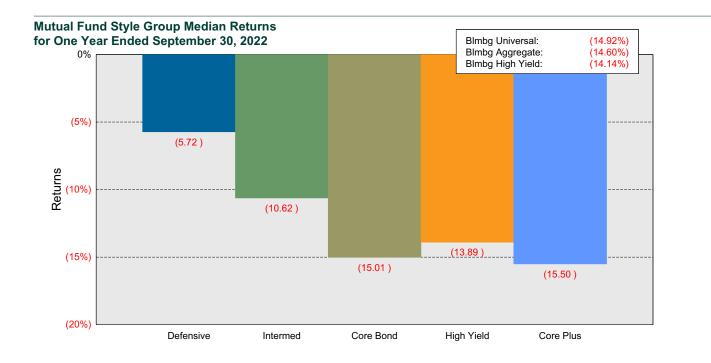


Europe Core Int'l Pacific Basin Japan Only Emerging Markets

Domestic Fixed Income Active Management Overview

The 10-year U.S. Treasury briefly touched an intra-quarter high of 4.0% in late September, the highest since 2008, before closing the quarter at 3.83%. At quarter-end, the yield curve was inverted by about 40 bps. with the 10-year at 3.8% and the 2-year at 4.2%. The Bloomberg US Aggregate Bond Index fell 4.8% in 3Q, bringing its YTD loss to 14.6%, a historical worst for the first nine months of a year. Mortgages and corporates underperformed U.S. Treasuries, with mortgage-backed securities doing especially poorly, underperforming like-duration U.S. Treasuries by 160 bps on poor technicals and rising rates. The yield-to-worst of the Aggregate Index climbed to 4.75%, up sharply from 1.75% at the beginning of the year. TIPS (Bloomberg TIPS: -5.1%; -13.6% YTD) were not immune from the sell-off. High yield corporates (Bloomberg High Yield: -0.6%) fared better, but the Index is down a similar 14.7% YTD.





Asset Allocation and Performance

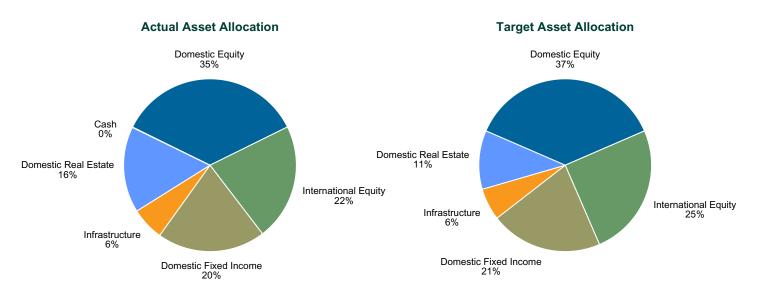
ASSET ALLOCATION AND PERFORMANCE

Asset Allocation and Performance

This section begins with an overview of the fund's asset allocation at the broad asset class level. This is followed by a top down performance attribution analysis which analyzes the fund's performance relative to the performance of the fund's policy target asset allocation. The fund's historical performance is then examined relative to funds with similar objectives. Performance of each asset class is then shown relative to the asset class performance of other funds. Finally, a summary is presented of the holdings of the fund's investment managers, and the returns of those managers over various recent periods.

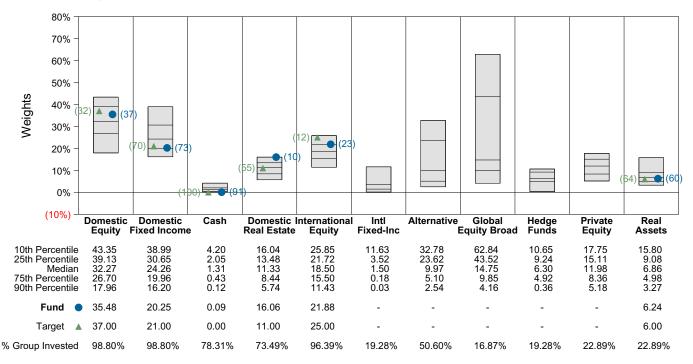
Actual vs Target Asset Allocation As of September 30, 2022

The top left chart shows the Fund's asset allocation as of September 30, 2022. The top right chart shows the Fund's target asset allocation as outlined in the investment policy statement. The bottom chart ranks the fund's asset allocation and the target allocation versus the Callan Public Fund Sponsor Database.



Asset Class	\$000s Actual	Weight Actual	Target	Percent Difference	\$000s Difference
Domestic Equity	205,272	35.5%	37.0%	(1.5%)	(8,777)
International Equity	126,570	21.9%	25.0%	(3.1%)	(18,058)
Domestic Fixed Income	117,158	20.3%	21.0%	(0.7%)	(4,329)
Infrastructure	36,100	6.2%	6.0%	0.2%	(<mark>4,329</mark>) 1,389
Domestic Real Estate	92,898	16.1%	11.0%	5.1%	29.261
Cash	513	0.1%	0.0%	0.1%	513
Total	578,511	100.0%	100.0%		

Asset Class Weights vs Callan Public Fund Sponsor Database



Investment Manager Asset Allocation

The table below contrasts the distribution of assets across the Fund's investment managers as of September 30, 2022, with the distribution as of June 30, 2022. The change in asset distribution is broken down into the dollar change due to Net New Investment and the dollar change due to Investment Return.

	September 3	0, 2022			June 30, 2	2022
	Market Value	Weight	Net New Inv.	Inv. Return	Market Value	Weight
Domestic Equities	\$205,271,900	35.48%	\$(1,425,000)	\$(10,353,077)	\$217,049,977	34.89%
Large Cap Equities	\$145,221,387	25.10%	\$(1,425,000)	\$(7,371,156)	\$154,017,543	24.76%
Vanguard S&P 500 Index	145,221,387	25.10%	(1,425,000)	(7,371,156)	154,017,543	24.76%
Mid Cap Equities	\$31,487,836	5.44%	\$0	\$(1,409,865)	\$32,897,702	5.29%
Fidelity Low Price Stocks	16,104,775	2.78%	0	(766,601)	16,871,376	2.71%
Janus Enterprise	15,383,061	2.66%	0	(643,264)	16,026,326	2.58%
Small Cap Equities	\$28,562,676	4.94%	\$0	\$(1,572,056)	\$30,134,733	4.84%
Prudential Small Cap Value	14,710,269	2.54%	0	(1,129,656)	15,839,925	2.55%
AB Small Cap Growth	13,852,407	2.39%	0	(442,400)	14,294,807	2.30%
International Equities	\$126,569,960	21.88%	\$(4,000,000)	\$(16,673,755)	\$147,243,715	23.67%
Europacific	24,531,217	4.24%	1,000,000	(2,418,471)	25,949,689	4.17%
Harbor International	27,551,432	4.76%	1,000,000	(3,073,855)	29,625,287	4.76%
Oakmark International	24,208,368	4.18%	0	(3,986,777)	28,195,145	4.53%
Mondrian International	20,029,709	3.46%	(6,000,000)	(3,296,083)	29,325,792	4.71%
T. Rowe Price Intl Small Cap	17,768,216	3.07%	Ó	(2,116,409)	19,884,625	3.20%
NinetyOne	12,481,018	2.16%	0	(1,782,160)	14,263,178	2.29%
Domestic Fixed Income	\$117,157,820	20.25%	\$(3,000,000)	\$(5,534,656)	\$125,692,476	20.21%
Dodge & Cox Income	58,965,564	10.19%	(1,000,000)	(2,493,782)	62,459,347	10.04%
PIMČO	58,192,256	10.06%	(2,000,000)	(3,040,873)	63,233,129	10.17%
Infrastructure	\$36,100,059	6.24%	\$0	\$74,876	\$36,025,184	5.79%
IFM Global Infrastructure	18,029,962	3.12%	0	74,876	17,955,086	2.89%
JP Morgan Infrastructure	18,070,098	3.12%	0	0	18,070,098	2.90%
Real Estate	\$92,897,689	16.06%	\$450,000	\$(1,978,508)	\$94,426,197	15.18%
RREEF Private Fund	47,694,385	8.24%	450,000	(382,321)	47,626,706	7.66%
Barings Core Property Fund	43,453,304	7.51%	0	(1,596,187)	45,049,491	7.24%
625 Kings Court	1,750,000	0.30%	0	0	1,750,000	0.28%
Cash	\$513,392	0.09%	\$(1,072,892)	\$(28,428)	\$1,614,712	0.26%
Total Fund	\$578,510,821	100.0%	\$(9,047,892)	\$(34,493,549)	\$622,052,262	100.0%

Asset Distribution Across Investment Managers

The table below details the rates of return for the Fund's investment managers over various time periods ended September 30, 2022. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

Returns for Periods Ended September 30, 2022					
	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years
Domestic Equties Russell 3000 Index	(4.84%) (4.46%)	(17.23%) (17.63%)	8.52% 7.70%	8.69% 8.62%	10.82% 10.90%
Large Cap Equities Vanguard S&P 500 Index S&P 500 Index	(4.89%) (4.88%)	(15.49%) (15.47%)	8.14% 8.16%	9.21% 9.24%	11.38% 11.40%
Mid Cap Equities Fidelity Low Priced Stock Russell MidCap Value Idx	(4.54%) (4.93%)	(12.49%) (13.56%)	8.12% 4.50%	6.09% 4.76%	7.71% 7.66%
Janus Enterprise (1) Russell MidCap Growth Idx	(4.01%) (0.65%)	(18.70%) (29.50%)	4.79% 4.26%	9.01% 7.62%	11.72% 9.54%
Small Cap Equities Prudential Small Cap Value (2) MSCI US Small Cap Value Idx Russell 2000 Value Index	(7.13%) (4.79%) (4.61%)	(15.13%) (13.34%) (17.69%)	5.99% 5.17% 4.72%	1.99% 3.51% 2.87%	6.70% 7.52% 7.42%
AB US Small Growth (3) Russell 2000 Growth Index	<mark>(3.09%)</mark> 0.24%	(39.61%) (29.27%)	4.14% 2.94%	7.89% 3.60%	10.93% 7.12%

(1) Switched share class in July 2016.

(2) Switched share class in September 2015.

(3) Switched to a mutual fund in September 2015.



The table below details the rates of return for the Fund's investment managers over various time periods ended September 30, 2022. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

Returns for Periods Ended September 30, 2022					
	Last 10 Years	Last 15 Years			
Domestic Equties Russell 3000 Index	11.59% 11.39%	8.16% 7.92%			
Mid Cap Equities Fidelity Low Priced Stock Russell MidCap Value Idx Janus Enterprise (1) Russell MidCap Growth Idx	9.40% 9.44% 12.71% 10.85%	7.43% 6.81% 9.33% 8.01%			
Small Cap Equities	10.00 /	0.0170			
AB US Small Growth (2) Russell 2000 Growth Index	10.77% 8.81%	9.18% 6.82%			

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The table below details the rates of return for the Fund's investment managers over various time periods ended September 30, 2022. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

	Last	1	Last	Last	Last
	Last Quarter	Last Year	3 Years	5 Years	7 Years
International Equities	(11.97%)	(29.93%)	(1.58%)	(1.85%)	2.55%
MSCI ACWI ex-US Index	(9.80%)	(24.79%)	(1.07%)	(0.34%)	3.78%
EuroPacific	(9.33%)	(32.85%)	(1.24%)	(0.23%)	3.75%
Harbor International (1)	(10.40%)	(27.27%)	(1.18%)	(1.96%)	1.69%
Oakmark International (2)	(14.14%)	(30.30%)	(3.60%)	(4.75%)	1.83%
Mondrian International	(14.45%)	(24.63%)	(3.81%)	(2.86%)	1.19%
MSCI EAFE Index	(9.36%)	(25.13%)	(1.83%)	(0.84%)	2.84%
MSCI ACWI ex-US Index	(9.80%)	(24.79%)	(1.07%)	(0.34%)	3.78%
T. Rowe Price Intl Small Cap	(10.64%)	(37.18%)	1.65%	0.81%	-
MSCI ACWI ex US Small Cap	(8.37%)	(28.93%)	0.38%	(0.56%)	3.98%
NinetyOne	(12.68%)	(28.18%)	(1.94%)	(2.00%)	-
MSCI Emerging Markets Index	(11.57%)	(28.11%)	(2.07%)	(1.80%)	3.88%
Domestic Fixed Income	(4.41%)	(14.65%)	(2.42%)	0.20%	1.39%
Blmbg Aggregate Index	(4.75%)	(14.60%)	(3.26%)	(0.27%)	0.54%
Dodge & Cox Income	(3.99%)	(13.63%)	(1.74%)	0.67%	1.84%
PIMČO	(4.82%)	(15.65%)	(3.14%)	(0.30%)	0.92%
BImbg Aggregate Index	(4.75%)	(14.60%)	(3.26%)	(0.27%)	0.54%
Infrastructure	0.21%	7.31%	-	-	-
IFM Global Infrastructure	0.42%	-	-	-	-
JP Morgan Infrastructure	0.00%	6.86%	-	-	-
NFI-ODCE Equal Weight Net	0.79%	21.70%	12.13%	9.87%	9.42%
	(2.00%)	40.070/	10.58%	0.06%	0.020/
Real Estate Real Estate Custom Benchmark (3	<mark>(2.09%)</mark>)(4) 0.79%	18.37%	10.58% 12.13%	9.06% 9.87%	8.83% 9.58%
RREEF Private	(0.80%)	21.70% 23.72%	12.13%	9.87% 10.28%	9.56%
Barings Core Property Fund	(3.54%)	13.49%	8.31%	7.47%	7.75%
NFI-ODCE Equal Weight Net	0.79%	21.70%	12.13%	9.87%	9.42%
625 Kings Court	0.00%	4.08%	16.89%	15.39%	16.24%
Total Fund	(5.68%)	(14.71%)	4.97%	4.75%	6.84%
Total Fund Benchmark*	(4.97%)	(12.88%)	4.82%	5.26%	7.15%

* Current Quarter Target = 37.0% Russell 3000 Index, 25.0% MSCI ACWI xUS GD, 21.0% Blmbg Aggregate, 11.0% NCREIF NFI-ODCE Eq Wt Net and 6.0% NCREIF NFI-ODCE Eq Wt Net.

(1) Switched share class in June 2016.

(2) Switched to CIT in November 2015.

(3) Real Estate Custom Benchmark is 50% NAREIT Composite Index and 50% NFI-ODCE Equal Wt Net through 12/31/2011;
20% NAREIT Composite Index and 80% NFI-ODCE Equal Wt Net through 12/31/2016 and NFI-ODCE Equal Wt Net thereafter.
(4) 3Q benchmark performance has been carried over from 2Q 2020.

The table below details the rates of return for the Fund's investment managers over various time periods ended September 30, 2022. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

	Last	Last	
	10	15	
	Years	Years	
International Equities	2.89%	1.08%	
MSCI ACWI ex-US Index	3.48%	0.44%	
EuroPacific	4.53%	2.34%	
Harbor International (1)	2.12%	0.67%	
Oakmark International (2)	3.75%	2.45%	
Mondrian International	1.70%	-	
MSCI EAFE Index	3.67%	0.61%	
MSCI ACWI ex-US Index	3.48%	1.04%	
Domestic Fixed Income	1.49%	3.43%	
Blmbg Aggregate Index	0.89%	2.74%	
Dodge & Cox Income	1.91%	3.83%	
PIMCO	1.05%	-	
BImbg Aggregate Index	0.89%	2.74%	
Real Estate	9.67%	5.83%	
Real Estate Custom Benchmark (3)(4)	10.17%	6.94%	
RREEF Private	10.85%	6.23%	
Barings Core Property Fund	8.41%	-	
NFI-ODCE Equal Weight Net	10.26%	5.89%	
625 Kings Court	16.69%	10.33%	
Total Fund	7.09%	5.52%	
Total Fund Benchmark*	7.13%	5.42%	

* Current Quarter Target = 37.0% Russell 3000 Index, 25.0% MSCI ACWI xUS GD, 21.0% Blmbg Aggregate, 11.0% NCREIF NFI-ODCE Eq Wt Net and 6.0% NCREIF NFI-ODCE Eq Wt Net.

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	12/2021-				
	9/2022	2021	2020	2019	2018
Domestic Equties	(24.20%)	27.45%	20.87%	29.71%	(6.04%)
Russell 3000 Index	(24.62%)	25.66%	20.89%	31.02%	(5.24%)
Large Cap Equities					
Vanguard S&P 500 Index	(23.88%)	28.69%	18.39%	31.46%	(4.42%)
S&P 500 Index	(23.87%)	28.71%	18.40%	31.49%	(4.38%)
Mid Cap Equities					
Fidelity Low Priced Stock	(17.44%)	24.52%	9.32%	25.66%	(10.75%)
Russell MidCap Value Idx	(20.36%)	28.34%	4.96%	27.06%	(12.29%)
Janus Enterprise (1)	(23.26%)	17.50%	20.44%	35.40%	(0.81%)
Russell MidCap Growth Idx	(31.45%)	12.73%	35.59%	35.47%	(4.75%)
Small Cap Equities					
Prudential Small Cap Value (2)	(19.89%)	41.79%	(2.96%)	19.09%	(18.82%)
MSCI US Small Cap Value Idx	(18.68%)	30.61%	2.04%	22.29%	(12.94%)
Russell 2000 Value Index	(21.12%)	28.27%	4.63%	22.39%	(12.86%)
AB US Small Growth (3)	(40.68%)	9.72%	54.10%	36.26%	(0.60%)
Russell 2000 Growth Index	(29.28%)	2.83%	34.63%	28.48%	(9.31%)

(1) Switched share class in July 2016.

(2) Switched share class in September 2015.

(3) Switched to a mutual fund in September 2015.



The table below details the rates of return for the Fund's investment managers over various time periods. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

	12/2021- 9/2022	2021	2020	2019	2018
International Equition		6.37%	15.49%	23.32%	(17.36%)
International Equities MSCI ACWI ex-US Index	(29.93%)	6.37% 8.29%	1 5.49% 11.13%	23.32% 22.13%	· · · · · · · · · · · · · · · · · · ·
MSCI ACVVI ex-US Index	(26.18%)	8.29%	11.13%	22.13%	(13.77%)
EuroPacific	(32.09%)	2.84%	25.27%	27.40%	(14.91%)
Harbor International (1)	(27.74%)	9.60%	11.17%	22.63%	(17.89%)
Oakmark International (2)	(30.50%)	8.38%	7.03%	24.23%	(23.51%)
Mondrian International	(24.66%)	6.51%	0.36%	18.48%	(12.71%)
MSCI EAFE Index	(27.09%)	11.26%	7.82%	22.01%	(13.79%)
MSCI ACWI ex-US Index	(26.18%)	8.29%	11.13%	22.13%	(13.77%)
T. Rowe Price Intl Small Cap	(37.24%)	8.25%	38.67%	25.96%	(17.63%)
MSCI ACWI ex US Small Cap	(29.37%)	12.93%	14.24%	22.42%	(18.20%)
Moel Activities 05 Sillair Cap	(29.57 %)	12.95 /0	14.24 /0	22.4270	(10.20%)
NinetyOne	(28.03%)	(0.28%)	16.41%	20.91%	(15.80%)
MSCI Emerging Markets Index	(27.16%)	(2.54%)	18.31%	18.44%	(14.57%)
Domestic Fixed Income	(14.44%)	(0.88%)	9.27%	9.00%	(0.28%)
BImbg Aggregate Index	(14.61%)	(1.54%)	7.51%	8.72%	0.01%
Dodge & Cox Income	(13.26%)	(0.91%)	9.45%	9.73%	(0.31%)
PIMČO	(15.59%)	(0.84%)	8.88%	8.26%	(0.26%)
BImbg Aggregate Index	(14.61%)	(1.54%)	7.51%	8.72%	0.01%
Infrastructure	4.15%	-	-	-	-
IFM Global Infrastructure	4.22%	-	-	-	-
JP Morgan Infrastructure	4.08%	-	-	-	-
Real Estate	8.69%	22.04%	0.54%	6.42%	6.90%
Real Estate Custom Benchmark (21.88%	0.75%	5.18%	7.30%
RREEF Private	11.83%	23.88%	1.12%	6.26%	7.41%
Barings Core Property Fund	5.70%	18.98%	(0.32%)	6.02%	6.34%
NFI-ODCE Equal Weight Net	13.34%	21.88%	0.75%	5.18%	7.30%
625 Kings Court	2.70%	44.26%	5.27%	20.04%	7.51%
Total Fund	(10.250/)	14 549/	15 70%	20 499/	(6 970/)
	(18.35%)	14.54%	15.70%	20.48%	(6.87%)
Total Fund Benchmark*	(17.04%)	14.32%	14.31%	20.50%	(5.07%)

* Current Quarter Target = 37.0% Russell 3000 Index, 25.0% MSCI ACWI xUS GD, 21.0% Blmbg Aggregate, 11.0% NCREIF NFI-ODCE Eq Wt Net and 6.0% NCREIF NFI-ODCE Eq Wt Net.

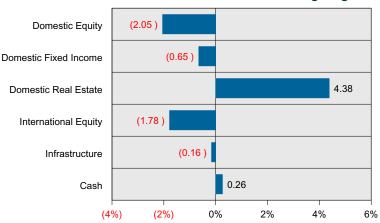
(1) Switched share class in June 2016.

(2) Switched to CIT in November 2015.

(3) Real Estate Custom Benchmark is 50% NAREIT Composite Index and 50% NFI-ODCE Equal Wt Net through 12/31/2011;
20% NAREIT Composite Index and 80% NFI-ODCE Equal Wt Net through 12/31/2016 and NFI-ODCE Equal Wt Net thereafter.
(4) 3Q benchmark performance has been carried over from 2Q 2020.

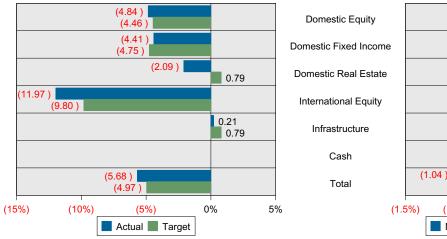
Quarterly Total Fund Relative Attribution - September 30, 2022

The following analysis approaches Total Fund Attribution from the perspective of relative return. Relative return attribution separates and quantifies the sources of total fund excess return relative to its target. This excess return is separated into two relative attribution effects: Asset Allocation Effect and Manager Selection Effect. The Asset Allocation Effect represents the excess return due to the actual total fund asset allocation differing from the target asset allocation. Manager Selection Effect represents the total fund impact of the individual managers excess returns relative to their benchmarks.

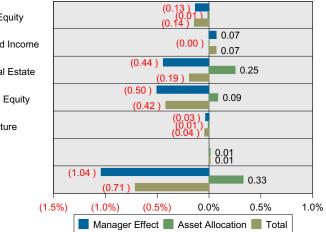


Asset Class Under or Overweighting

Actual vs Target Returns







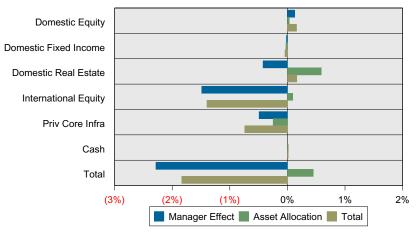
Relative Attribution Effects for Quarter ended September 30, 2022

Asset Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Asset Allocation	Total Relative Return
Domestic Equity	35%	37%	(4.84%)	(4.46%)	(0.13%)	(0.01%)	(0.14%)
Domestic Fixed Income		21%	(4.41%)	(4.75%)	0.07%	(0.00%)	<mark>(0.14%)</mark> 0.07%
Domestic Real Estate	15%	11%	(2.09%)	0.79%	(0.44%)	0.25%	(0.19%)
International Equity	23%	25%	(11.97%)	(9.80%)	(0.50%)	0.09%	(0.42%)
Infrastructure	6%	6%	0.21%	0.79%	(0.03%)	(0.01%)	(0.04%)
Cash	0%	0%	0.00%	0.00%	0.00%	0.01%	0.01%
Total			(5.68%) =	(4.97%) +	(1.04%) +	0.33%	(0.71%)

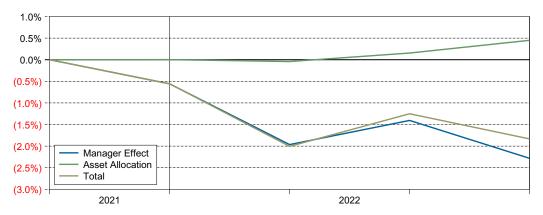
Cumulative Total Fund Relative Attribution - September 30, 2022

The charts below accumulate the Total Fund Attribution Analysis (shown earlier) over multiple periods to examine the cumulative sources of excess total fund performance relative to target. These cumulative results quantify the longer-term sources of total fund excess return relative to target by asset class. These relative attribution effects separate the cumulative sources of total fund excess return into Asset Allocation Effect and Manager Selection Effect.

One Year Relative Attribution Effects



Cumulative Relative Attribution Effects



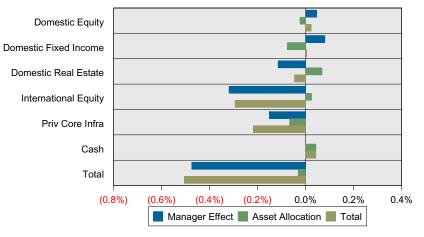
One Year Relative Attribution Effects

Asset Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Asset Allocation	Total Relative Return
Domestic Equity	37%	37%	(17.25%)	(17.63%)	0.13%	0.03%	0.16%
Domestic Fixed Income	e 21%	21%	(14.66%)	(14.60%)	(0.02%)	(0.03%)	(0.04%)
Domestic Real Estate	13%	11%	`18.37%´	21.70%	(0.42%)	0.59%	` 0.16%´
International Equity	25%	25%	(29.93%)	(24.79%)	(1.49%)	0.09%	(1.40%)
Priv Core Infra	5%	5%	7.31%	21.70%	(0.49%)	(0.25%)	(0.74%)
Cash	0%	0%	0.00%	0.00%	0.00%	0.01%	<u>`0.01%´</u>
Total			(14.71%) =	(12.88%) +	(2.28%) +	0.45%	(1.83%)

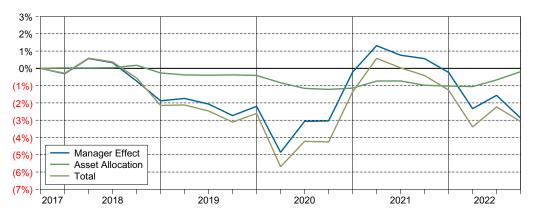
Cumulative Total Fund Relative Attribution - September 30, 2022

The charts below accumulate the Total Fund Attribution Analysis (shown earlier) over multiple periods to examine the cumulative sources of excess total fund performance relative to target. These cumulative results quantify the longer-term sources of total fund excess return relative to target by asset class. These relative attribution effects separate the cumulative sources of total fund excess return into Asset Allocation Effect and Manager Selection Effect.

Five Year Annualized Relative Attribution Effects



Cumulative Relative Attribution Effects



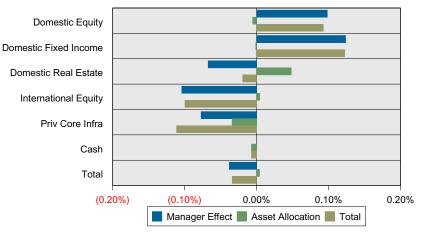
Five Year Annualized Relative Attribution Effects

Asset Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Asset Allocation	Total Relative Return
Domestic Equity	39%	38%	8.69%	8.62%	0.05%	(0.02%)	0.02%
Domestic Fixed Incom		22%	0.20%	(0.27%)	0.08%	(0.08%)	0.00%
Domestic Real Estate	11%	11%	9.06%	` 9.87%´	(0.11%)	0.07%	(0.05%)
International Equity	28%	28%	(1.85%)	(0.34%)	(0.32%)	0.02%	(0.29%)
Priv Core Infra	1%	1%	-	-	(0.15%)	(0.07%)	(0.22%)
Cash	0%	0%	(0.00%)	(0.00%)	0.00%	0.04%	0.04%
Total			4.75% =	5.26% ·	+ (0.47%) +	(0.03%)	(0.51%)

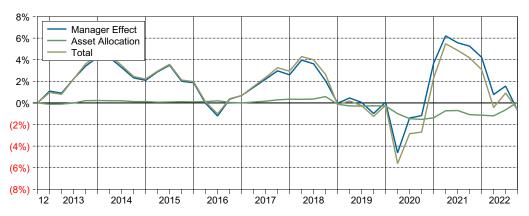
Cumulative Total Fund Relative Attribution - September 30, 2022

The charts below accumulate the Total Fund Attribution Analysis (shown earlier) over multiple periods to examine the cumulative sources of excess total fund performance relative to target. These cumulative results quantify the longer-term sources of total fund excess return relative to target by asset class. These relative attribution effects separate the cumulative sources of total fund excess return into Asset Allocation Effect and Manager Selection Effect.

Ten Year Annualized Relative Attribution Effects



Cumulative Relative Attribution Effects

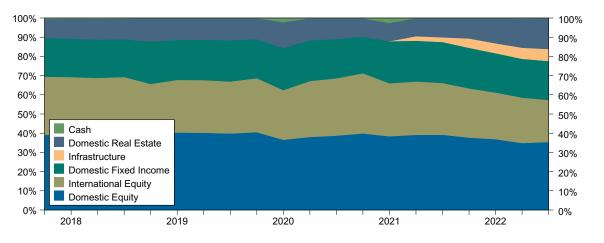


Ten Year Annualized Relative Attribution Effects

Asset Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Asset Allocation	Total Relative Return
Domestic Equity	39%	38%	11.58%	11.39%	0.10%	(0.01%)	0.09%
Domestic Fixed Income	e 23%	24%	1.49%	0.89%	0.12%	(0.00%)	0.12%
Domestic Real Estate	10%	10%	9.67%	10.17%	(0.07%)	0.05%	(0.02%)
International Equity	27%	27%	2.89%	3.48%	(0.10%)	0.00%	(0.10%)
Priv Core Infra	1%	1%	-	-	(0.08%)	(0.03%)	(0.11%)
Cash	0%	0%	0.00%	0.00%	0.00%	(0.01%)	(0.01%)
Total			7.09% =	7.13%	+ (0.04%) +	· 0.00%	(0.03%)

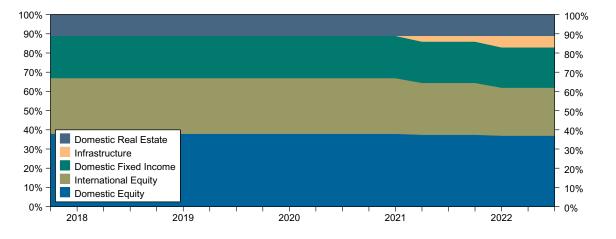
Actual vs Target Historical Asset Allocation

The Historical asset allocation for a fund is by far the largest factor explaining its performance. The charts below show the fund's historical actual asset allocation, the fund's historical target asset allocation, and the historical asset allocation of the average fund in the Callan Public Fund Sponsor Database.

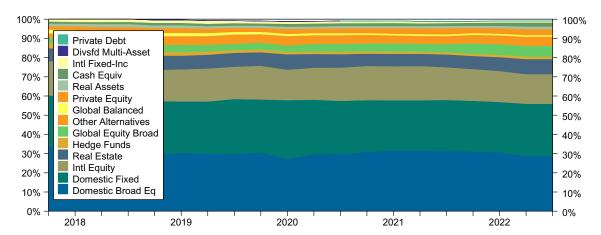


Actual Historical Asset Allocation

Target Historical Asset Allocation



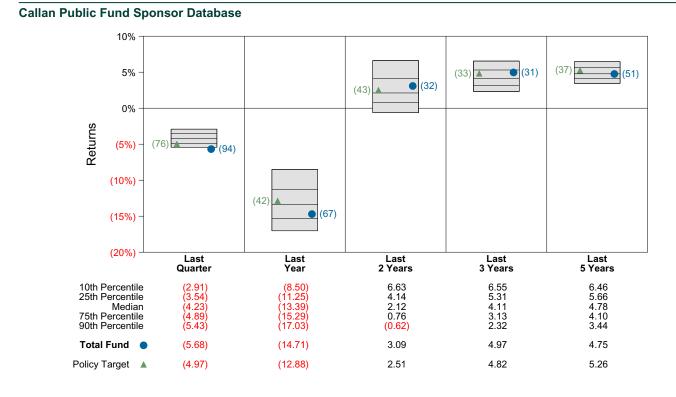
Average Callan Public Fund Sponsor Database Historical Asset Allocation



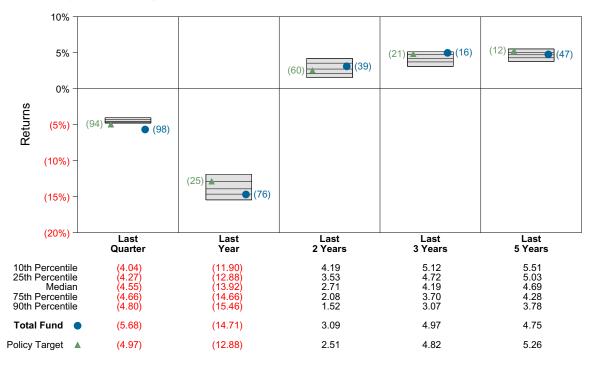


Total Fund Ranking

The first two charts show the ranking of the Total Fund's performance relative to that of the Callan Public Fund Sponsor Database for periods ended September 30, 2022. The first chart is a standard unadjusted ranking. In the second chart each fund in the database is adjusted to have the same historical asset allocation as that of the Total Fund.



Asset Allocation Adjusted Ranking



Total Fund Period Ended September 30, 2022

Investment Philosophy

The Public Fund Sponsor Database consists of public employee pension total funds including both Callan LLC client and surveyed non-client funds.

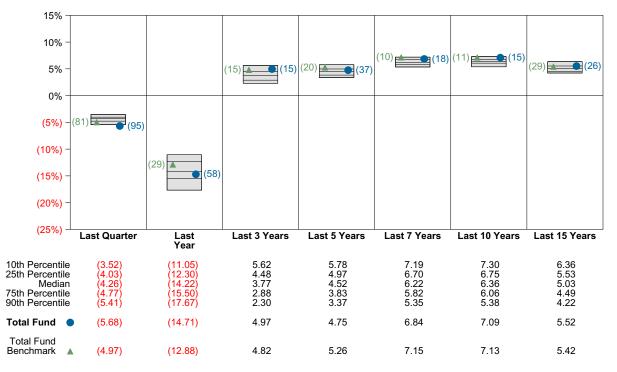
Quarterly Summary and Highlights

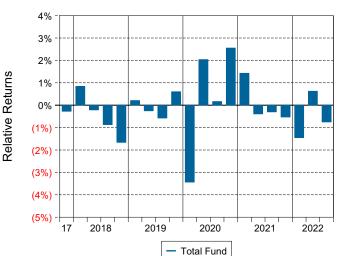
• Total Fund's portfolio posted a (5.68)% return for the quarter placing it in the 95 percentile of the Callan Public Fund Sponsor Database group for the quarter and in the 58 percentile for the last year.

•	Total Fund's portfolio underperformed the Total Fund
	Benchmark by 0.71% for the quarter and underperformed
	the Total Fund Benchmark for the year by 1.83%.

Quarterly Asset Growth					
Beginning Market Value	\$622,052,262				
Net New Investment	\$-9,047,892				
Investment Gains/(Losses)	\$-34,493,549				
Ending Market Value	\$578,510,821				

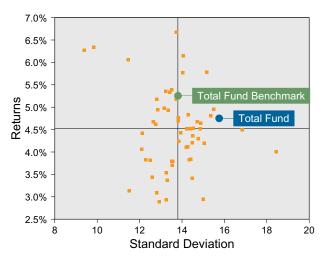
Performance vs Callan Public Fund Sponsor Database (Net)





Relative Return vs Total Fund Benchmark

Callan Public Fund Sponsor Database (Net) Annualized Five Year Risk vs Return

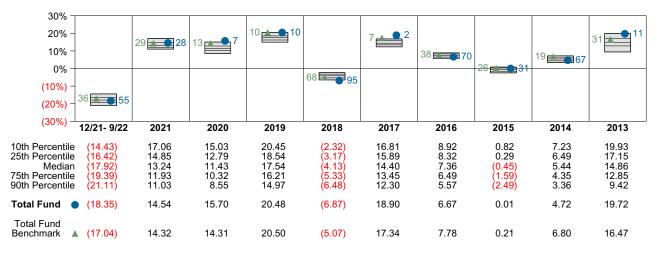


Total Fund Return Analysis Summary

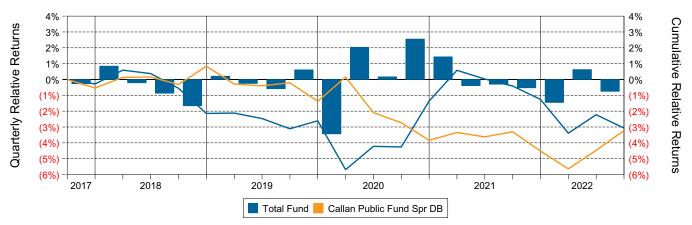
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

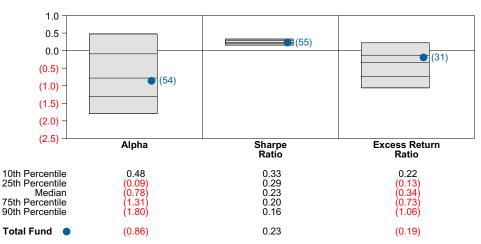




Cumulative and Quarterly Relative Returns vs Total Fund Benchmark



Risk Adjusted Return Measures vs Total Fund Benchmark Rankings Against Callan Public Fund Sponsor Database (Net) Five Years Ended September 30, 2022





Mendocino County Employees' Retirement Association Performance vs Callan Public Fund Sponsor Database Periods Ended September 30, 2022

Return Ranking

The chart below illustrates fund rankings over various periods versus the Callan Public Fund Sponsor Database. The bars represent the range of returns from the 10th percentile to the 90th percentile for each period for all funds in the Callan Public Fund Sponsor Database. The numbers to the right of the bar represent the percentile rankings of the fund being analyzed. The table below the chart details the rates of return plotted in the graph above.





Domestic Equity

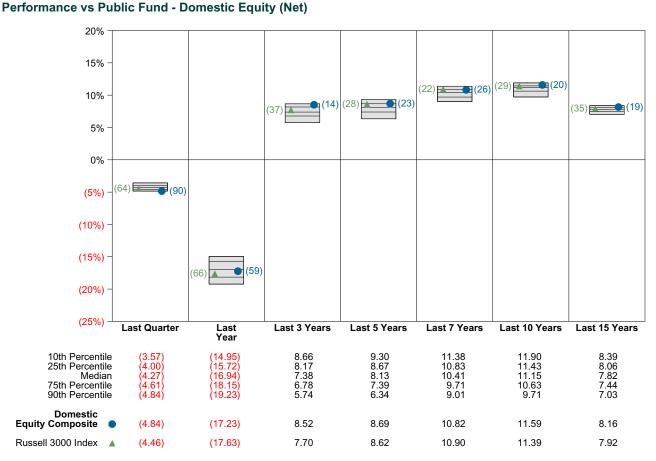
Domestic Equity Composite Period Ended September 30, 2022

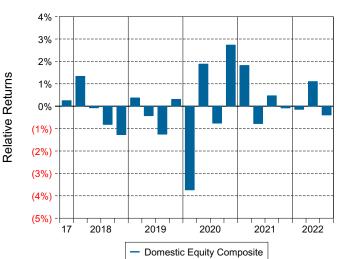
Quarterly Summary and Highlights

- Domestic Equity Composite's portfolio posted a (4.84)% return for the quarter placing it in the 90 percentile of the Public Fund - Domestic Equity group for the quarter and in the 59 percentile for the last year.
- Domestic Equity Composite's portfolio underperformed the Russell 3000 Index by 0.38% for the quarter and outperformed the Russell 3000 Index for the year by 0.39%.

Quarterly Asset Growth

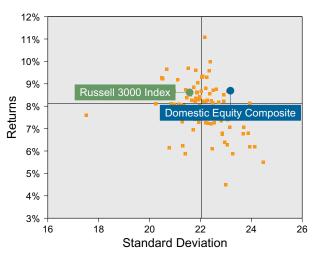
Beginning Market Value	\$217,049,977
Net New Investment	\$-1,425,000
Investment Gains/(Losses)	\$-10,353,077
Ending Market Value	\$205,271,900





Relative Return vs Russell 3000 Index

Public Fund - Domestic Equity (Net) Annualized Five Year Risk vs Return

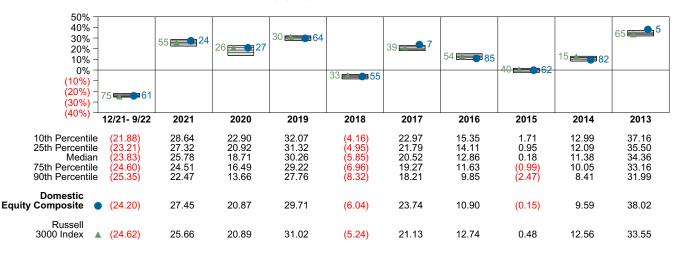


Domestic Equity Composite Return Analysis Summary

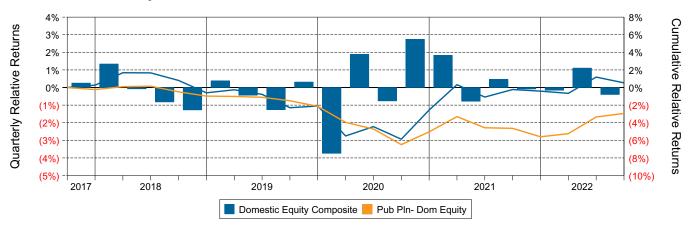
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

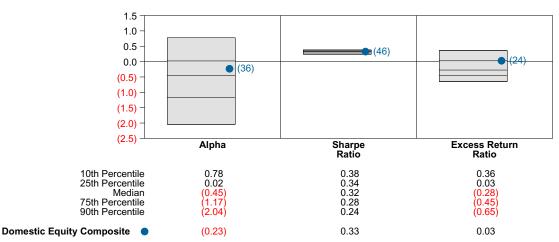
Performance vs Public Fund - Domestic Equity (Net)



Cumulative and Quarterly Relative Returns vs Russell 3000 Index



Risk Adjusted Return Measures vs Russell 3000 Index Rankings Against Public Fund - Domestic Equity (Net) Five Years Ended September 30, 2022



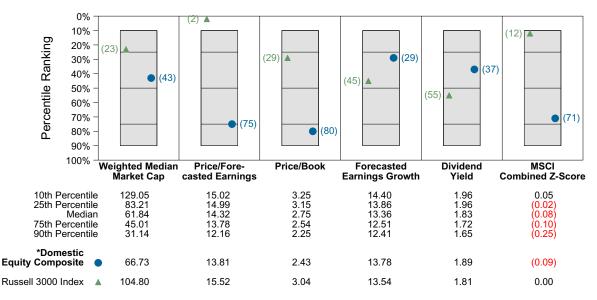


Domestic Equity Composite Equity Characteristics Analysis Summary

Portfolio Characteristics

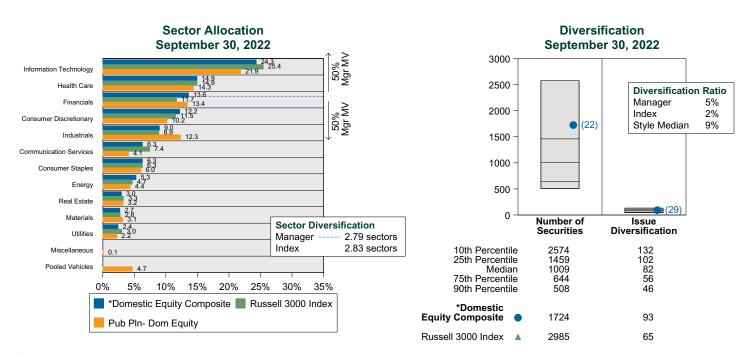
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Public Fund - Domestic Equity as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.

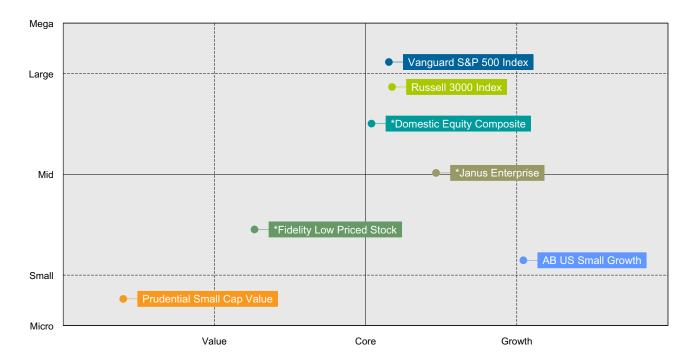


Holdings Based Style Analysis For One Quarter Ended September 30, 2022

This page analyzes and compares the investment styles of multiple portfolios using a detailed holdings-based style analysis methodology. The size component of style is measured by the weighted median market capitalization of the holdings. The value/core/growth style dimension is captured by the "Combined Z-Score" of the portfolio. This score is based on eight fundamental factors used in the MSCI stock style scoring system. The table below gives a more detailed breakdown of several relevant style metrics on the portfolios.

Style Map

Holdings for One Quarter Ended September 30, 2022



	Weight %	Wtd Median Mkt Cap	Combined Z-Score	Growth Z-Score	Value Z-Score	Number of Securities D	Security Diversification
Vanguard S&P 500 Index	70.75%	142.53	(0.01)	(0.02)	(0.01)	505	41.81
*Fidelity Low Priced Stock	7.85%	7.51	(0.66)	(0.16)	0.51	908	28.45
*Janus Enterprise	7.49%	15.44	0.22	(0.01)	(0.23)	77	19.13
Prudential Small Cap Value	7.17%	1.38	(1.31)	(0.28)	1.02	321	84.21
AB US Small Growth	6.75%	3.90	0.64	0.16	(0.48)	90	31.74
*Domestic Equity Composite	100.00%	66.73	(0.09)	(0.04)	0.05	1724	92.88
Russell 3000 Index	-	104.80	0.00	(0.02)	(0.03)	2985	65.38

*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.



Vanguard S&P 500 Index Period Ended September 30, 2022

Investment Philosophy

Vanguard's Institutional Index Fund is passively administered using a "full replication" approach. Under this method, the fund holds all of the 500 underlying securities in proportion to their weighting in the index. The fund remains fully invested in equities at all times and does not make judgement calls on the direction of the S&P 500 Index. Portfolio was funded September 2013. Historical returns are that of the manager's composite.

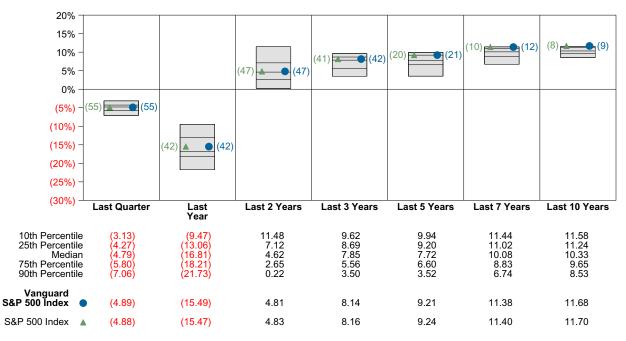
Quarterly Summary and Highlights

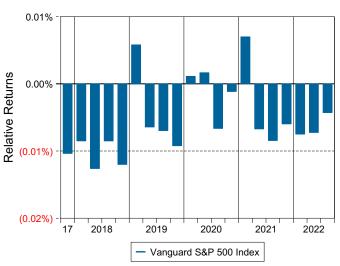
- Vanguard S&P 500 Index's portfolio posted a (4.89)% return for the quarter placing it in the 55 percentile of the Callan Large Cap Core Mutual Funds group for the quarter and in the 42 percentile for the last year.
- Vanguard S&P 500 Index's portfolio underperformed the S&P 500 Index by 0.00% for the quarter and underperformed the S&P 500 Index for the year by 0.02%.

Quarterly Asset Growth

Beginning Market Value	\$154,017,543
Net New Investment	\$-1,425,000
Investment Gains/(Losses)	\$-7,371,156
Ending Market Value	\$145,221,387

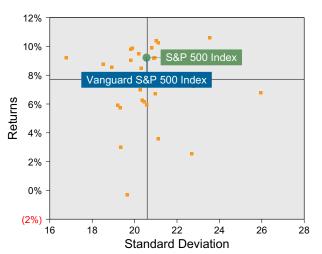






Relative Return vs S&P 500 Index

Callan Large Cap Core Mutual Funds (Net) Annualized Five Year Risk vs Return

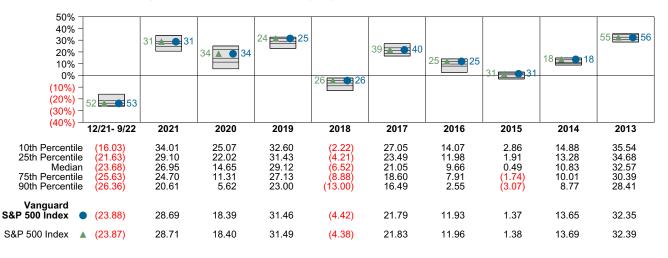


Vanguard S&P 500 Index Return Analysis Summary

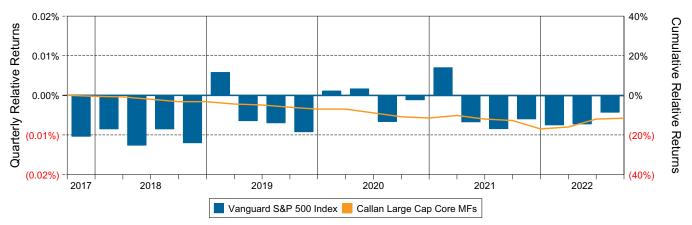
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

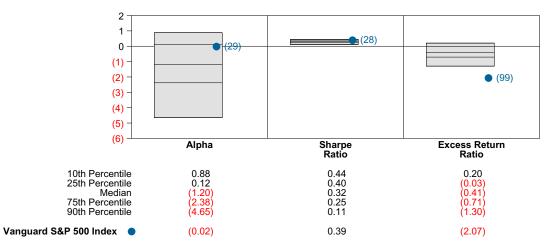
Performance vs Callan Large Cap Core Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs S&P 500 Index



Risk Adjusted Return Measures vs S&P 500 Index Rankings Against Callan Large Cap Core Mutual Funds (Net) Five Years Ended September 30, 2022

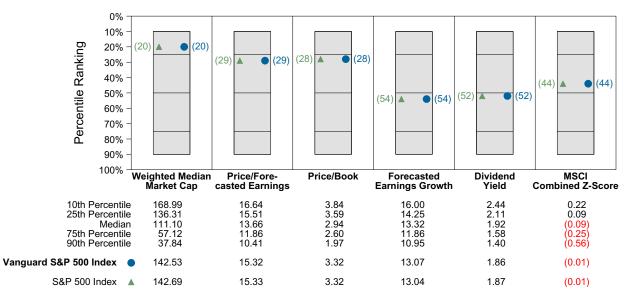


Vanguard S&P 500 Index Equity Characteristics Analysis Summary

Portfolio Characteristics

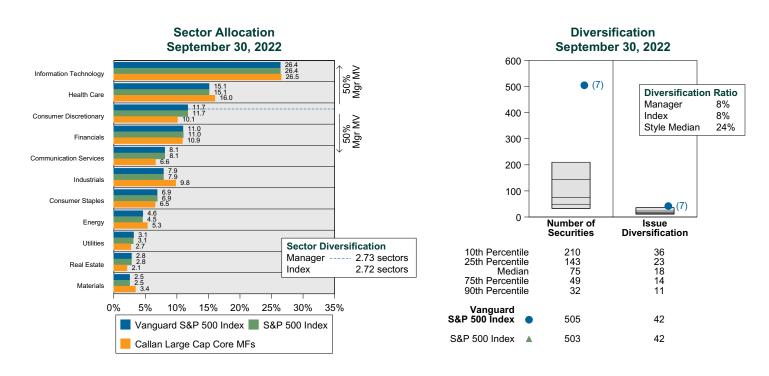
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Large Cap Core Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



Fidelity Low Priced Stock Period Ended September 30, 2022

Investment Philosophy

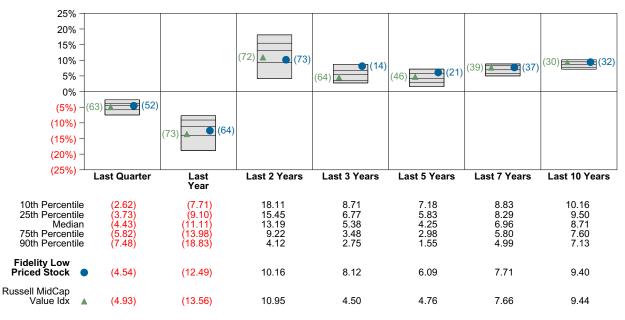
Longtime portfolio manager Joel Tillinghast and a dedicated small cap team at Fidelity utilize a fundamental, bottom-up investment process to identify stocks priced at \$35 or less or with an earnings yield in excess of the Russell 2000 index at time of purchase. Candidates must also exhibit modest valuations, good return on capital, strong or improving cash flows, and improving business environments. The portfolio is well diversified and may invest in up to 35% outside the U.S. and is well diversified with between 600 and 1000 holdings.

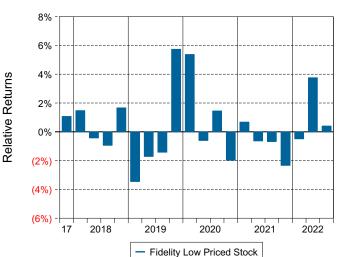
Quarterly Summary and Highlights

- Fidelity Low Priced Stock's portfolio posted a (4.54)% return for the quarter placing it in the 52 percentile of the Callan Mid Cap Value Mutual Funds group for the quarter and in the 64 percentile for the last year.
- Fidelity Low Priced Stock's portfolio outperformed the Russell MidCap Value Idx by 0.38% for the quarter and outperformed the Russell MidCap Value Idx for the year by 1.07%.

Performance vs Callan Mid Cap Value Mutual Funds (Net)

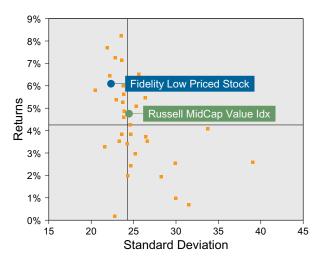
Quarterly Asset Growth					
Beginning Market Value	\$16,871,376				
Net New Investment	\$0				
Investment Gains/(Losses)	\$-766,601				
Ending Market Value \$16,104,775					





Relative Return vs Russell MidCap Value Idx

Callan Mid Cap Value Mutual Funds (Net) Annualized Five Year Risk vs Return

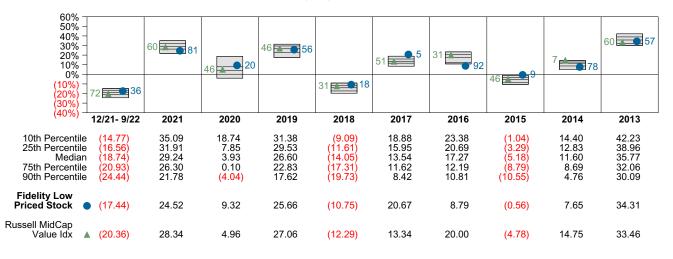


Fidelity Low Priced Stock Return Analysis Summary

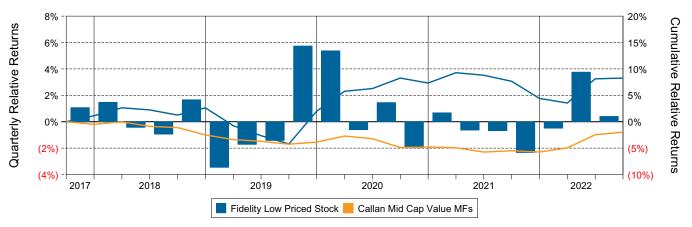
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

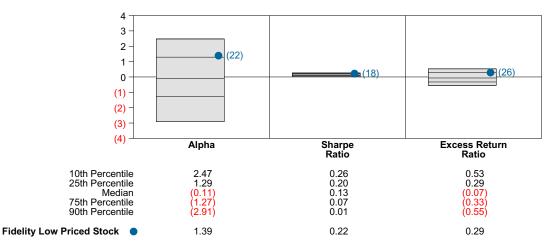
Performance vs Callan Mid Cap Value Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs Russell MidCap Value Idx



Risk Adjusted Return Measures vs Russell MidCap Value Idx Rankings Against Callan Mid Cap Value Mutual Funds (Net) Five Years Ended September 30, 2022



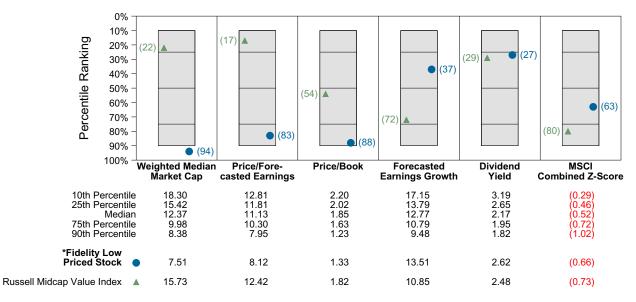


Fidelity Low Priced Stock Equity Characteristics Analysis Summary

Portfolio Characteristics

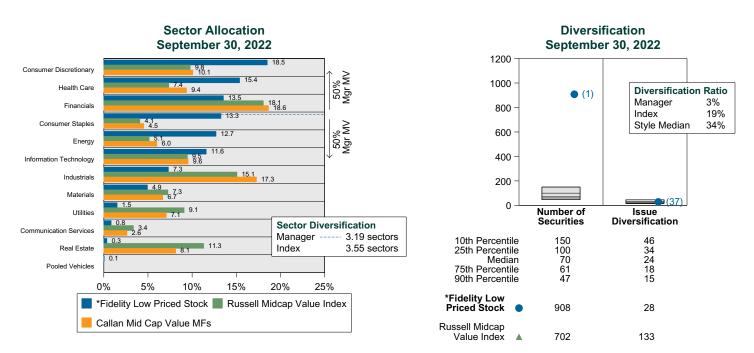
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Mid Cap Value Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



*9/30/22 portfolio characteristics generated using most recently available holdings (7/31/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.

Janus Enterprise Period Ended September 30, 2022

Investment Philosophy

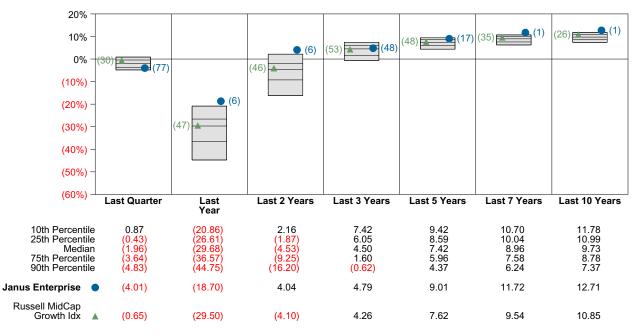
Janus believes that investing in companies with sustainable growth and high return on invested capital can drive consistent returns with moderate risk. The team seeks to identify mid cap companies with high quality management teams that wisely allocate capital to drive growth over time. Switched from Class T Shares to Class I Shares in December 2009 and Class N Shares in July 2016.

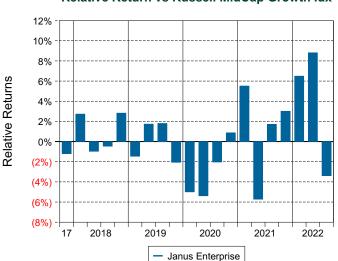
Quarterly Summary and Highlights

- Janus Enterprise's portfolio posted a (4.01)% return for the quarter placing it in the 77 percentile of the Callan Mid Cap Growth Mutual Funds group for the quarter and in the 6 percentile for the last year.
- Janus Enterprise's portfolio underperformed the Russell MidCap Growth Idx by 3.36% for the quarter and outperformed the Russell MidCap Growth Idx for the year by 10.80%.

Quarterly Asset Growth		
Beginning Market Value	\$16,026,326	
Net New Investment	\$0	
Investment Gains/(Losses)	\$-643,264	
Ending Market Value	\$15,383,061	

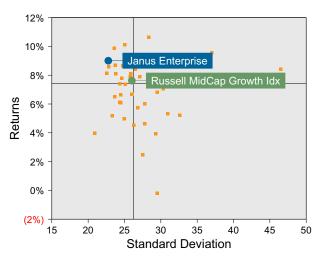






Relative Return vs Russell MidCap Growth Idx

Callan Mid Cap Growth Mutual Funds (Net) Annualized Five Year Risk vs Return

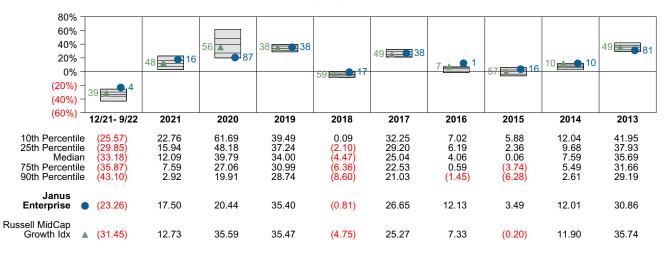


Janus Enterprise Return Analysis Summary

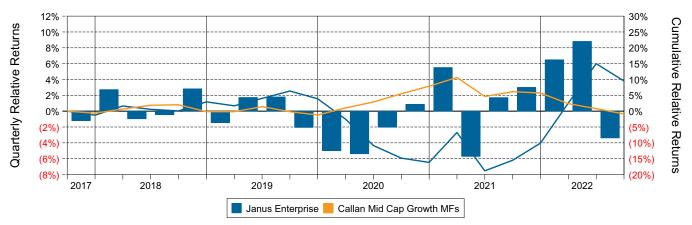
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

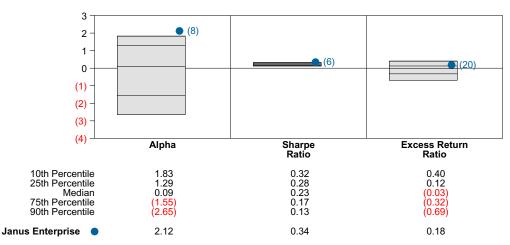
Performance vs Callan Mid Cap Growth Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs Russell MidCap Growth Idx



Risk Adjusted Return Measures vs Russell MidCap Growth Idx Rankings Against Callan Mid Cap Growth Mutual Funds (Net) Five Years Ended September 30, 2022

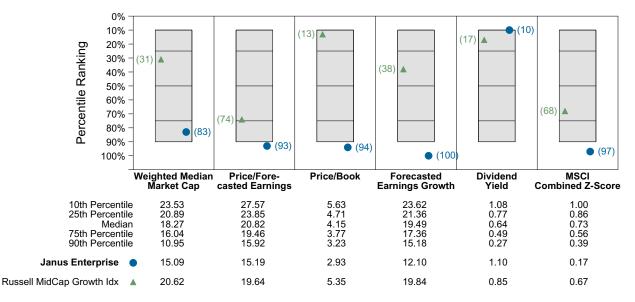


Janus Enterprise Equity Characteristics Analysis Summary

Portfolio Characteristics

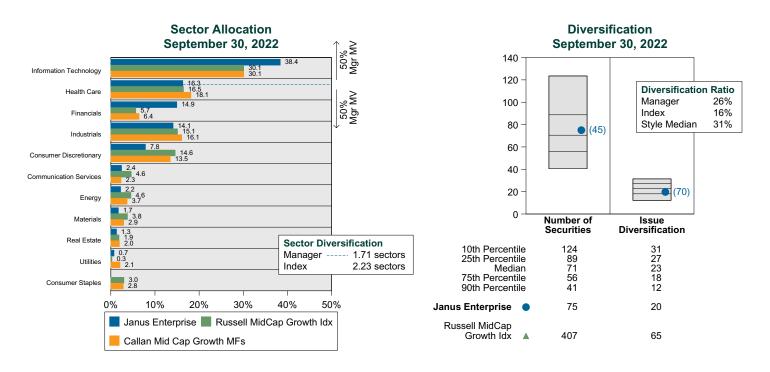
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Mid Cap Growth Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



Prudential Small Cap Value Period Ended September 30, 2022

Investment Philosophy

Quantitative Management Associates LLC (QMA) is an SEC-registered investment adviser and a limited liability company. QMA operated for many years as a unit within Prudential Financial's asset management business, known as Prudential Investment Management, Inc. (PIM). In July 2004, the quantitative management business of PIM was transferred to QMA. The QMA Small Cap Value strategy is a quantitatively based investment approach. The team believes a systematic approach that focuses on stocks with low valuations and confirming signals of attractiveness can outperform a small cap value benchmark. Its research shows that adapting to changing market conditions by dynamically shifting the weight on specific factors, while simultaneously maintaining a focus on value stocks, leads to better performance than using static factor exposures. It is a diversified portfolio typically holding between 250 to 350 securities with the Russell 2000 Value Index as the appropriate benchmark. Switched share class in Septemeber 2015.

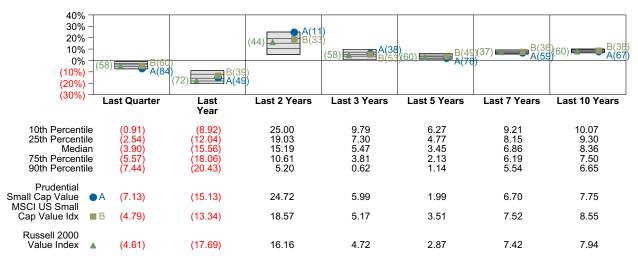
Quarterly Summary and Highlights

- Prudential Small Cap Value's portfolio posted a (7.13)% return for the quarter placing it in the 84 percentile of the Callan Small Cap Value Mutual Funds group for the quarter and in the 49 percentile for the last year.
- Prudential Small Cap Value's portfolio underperformed the Russell 2000 Value Index by 2.52% for the quarter and outperformed the Russell 2000 Value Index for the year by 2.56%.

Quarterly Asset Growth

Beginning Market Value	\$15,839,925
Net New Investment	\$0
Investment Gains/(Losses)	\$-1,129,656
Ending Market Value	\$14,710,269

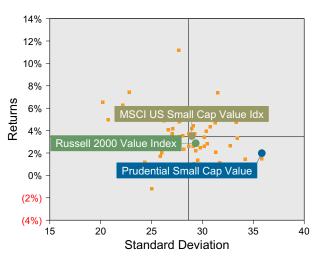
Performance vs Callan Small Cap Value Mutual Funds (Net)





Relative Return vs Russell 2000 Value Index

Callan Small Cap Value Mutual Funds (Net) Annualized Five Year Risk vs Return

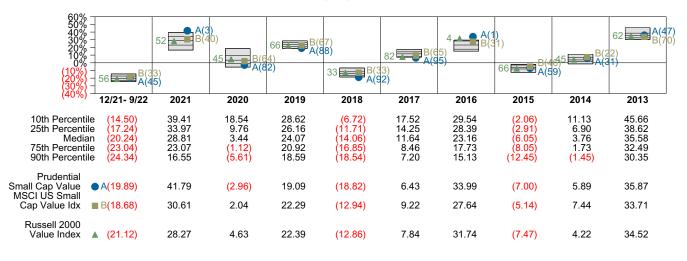


Prudential Small Cap Value Return Analysis Summary

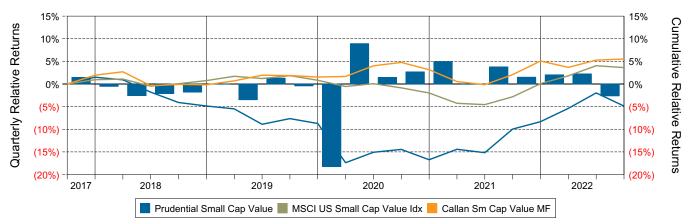
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

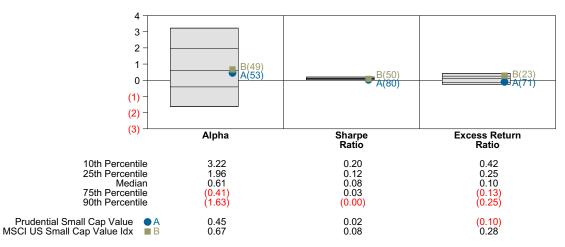
Performance vs Callan Small Cap Value Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs Russell 2000 Value Index



Risk Adjusted Return Measures vs Russell 2000 Value Index Rankings Against Callan Small Cap Value Mutual Funds (Net) Five Years Ended September 30, 2022

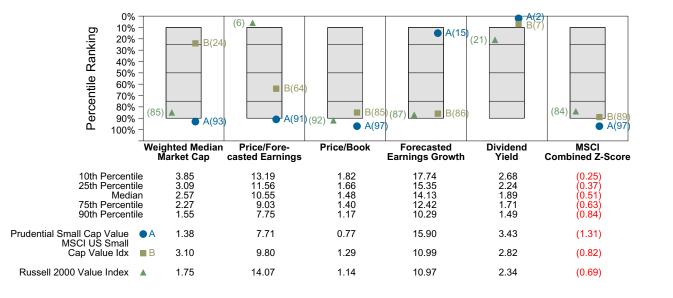


Prudential Small Cap Value Equity Characteristics Analysis Summary

Portfolio Characteristics

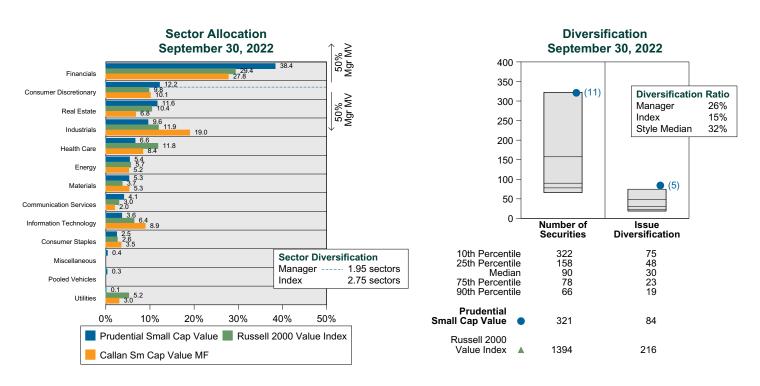
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Small Cap Value Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



AB US Small Growth Period Ended September 30, 2022

Investment Philosophy

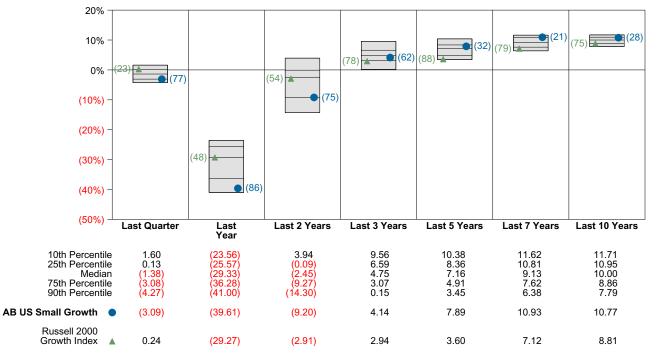
AB's small cap growth investment process emphasizes in-house fundamental research and direct management contact in order to identify rapidly growing companies with accelerating earnings power and reasonable valuations.

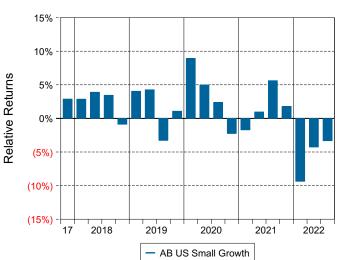
Quarterly Summary and Highlights

- AB US Small Growth's portfolio posted a (3.09)% return for the quarter placing it in the 77 percentile of the Callan Small Cap Growth Mutual Funds group for the quarter and in the 86 percentile for the last year.
- AB US Small Growth's portfolio underperformed the Russell 2000 Growth Index by 3.34% for the quarter and underperformed the Russell 2000 Growth Index for the year by 10.34%.

Quarterly Asset Growth			
Beginning Market Value	\$14,294,807		
Net New Investment	\$0		
Investment Gains/(Losses)	\$-442,400		
Ending Market Value \$13,852,407			

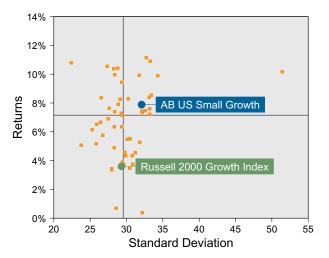
Performance vs Callan Small Cap Growth Mutual Funds (Net)





Relative Return vs Russell 2000 Growth Index

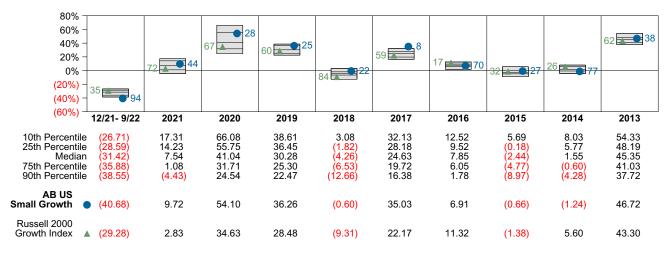
Callan Small Cap Growth Mutual Funds (Net) Annualized Five Year Risk vs Return



AB US Small Growth Return Analysis Summary

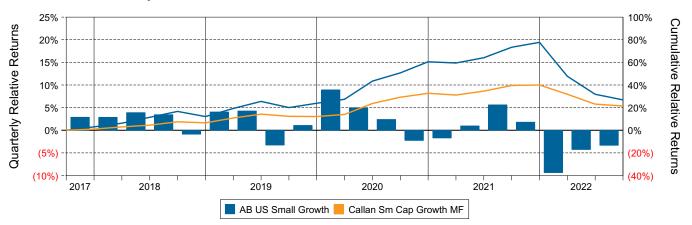
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

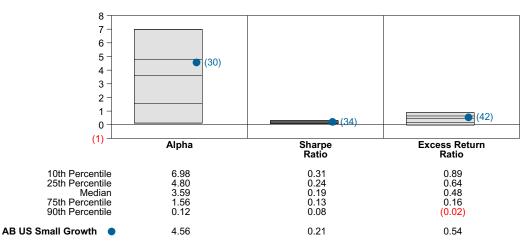


Performance vs Callan Small Cap Growth Mutual Funds (Net)

Cumulative and Quarterly Relative Returns vs Russell 2000 Growth Index



Risk Adjusted Return Measures vs Russell 2000 Growth Index Rankings Against Callan Small Cap Growth Mutual Funds (Net) Five Years Ended September 30, 2022

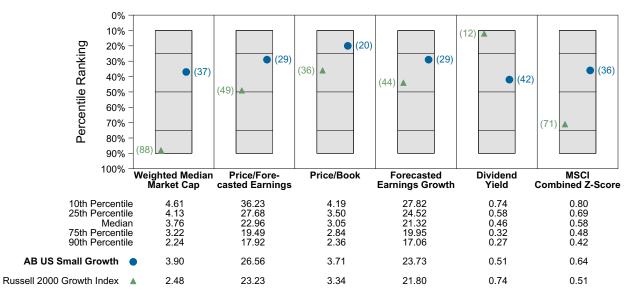


AB US Small Growth Equity Characteristics Analysis Summary

Portfolio Characteristics

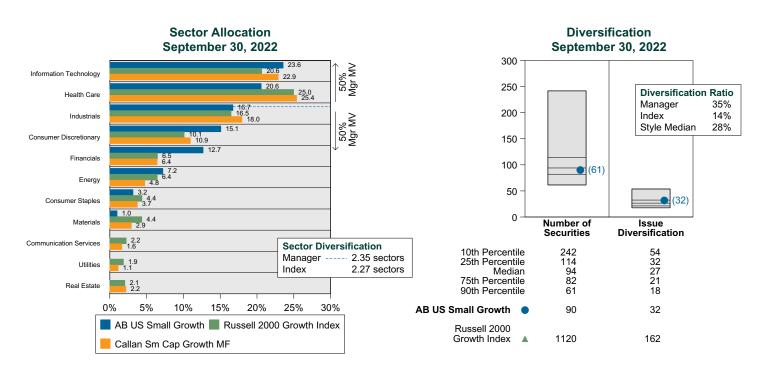
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Small Cap Growth Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



International Equity

International Equity Composite Period Ended September 30, 2022

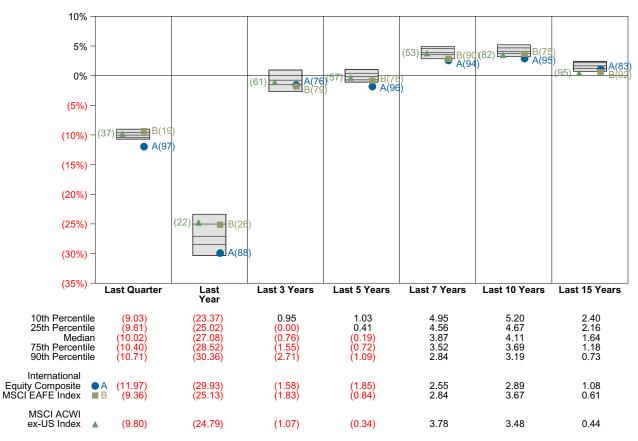
Quarterly Summary and Highlights

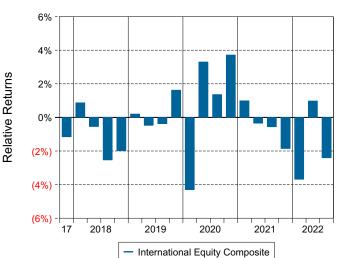
- International Equity Composite's portfolio posted a (11.97)% return for the quarter placing it in the 97 percentile of the Public Fund - International Equity group for the quarter and in the 88 percentile for the last year.
- International Equity Composite's portfolio underperformed the MSCI ACWI ex-US Index by 2.17% for the quarter and underperformed the MSCI ACWI ex-US Index for the year by 5.14%.

Performance vs Public Fund - International Equity (Net)

Quarterly Asset Growth

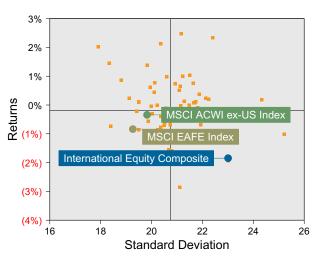
Beginning Market Value	\$147,243,715
Net New Investment	\$-4,000,000
Investment Gains/(Losses)	\$-16,673,755
Ending Market Value	\$126,569,960





Relative Return vs MSCI ACWI ex-US Index

Public Fund - International Equity (Net) Annualized Five Year Risk vs Return

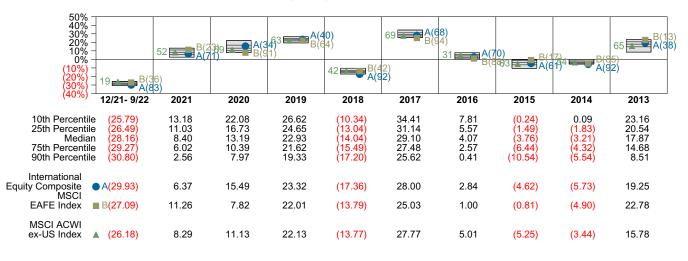


International Equity Composite Return Analysis Summary

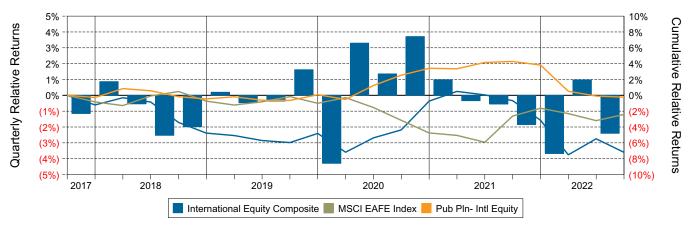
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

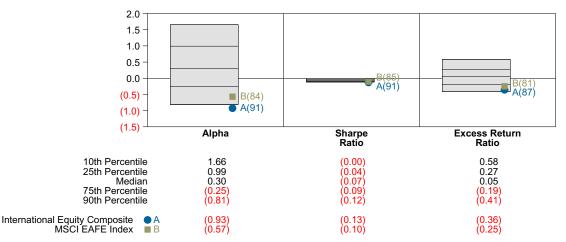
Performance vs Public Fund - International Equity (Net)



Cumulative and Quarterly Relative Returns vs MSCI ACWI ex-US Index





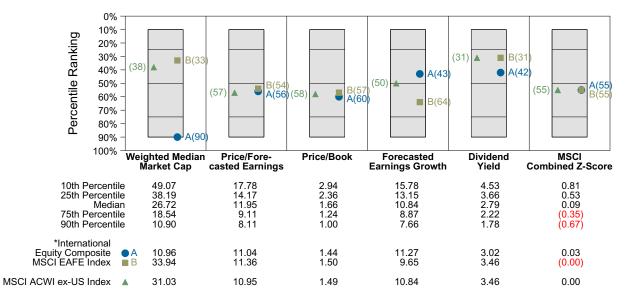


International Equity Composite Equity Characteristics Analysis Summary

Portfolio Characteristics

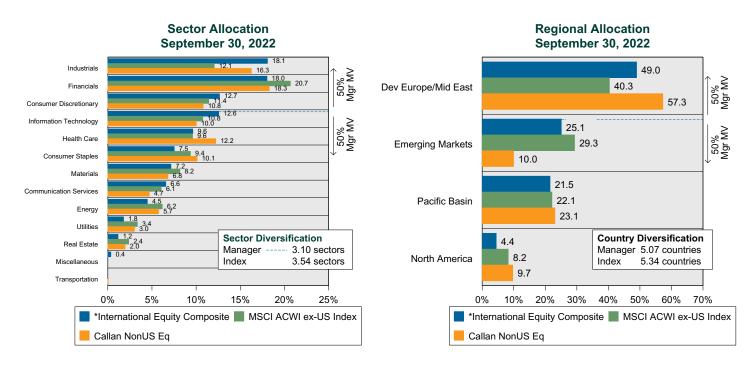
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Non-US Equity as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. The regional allocation chart compares the manager's geographical region weights with those of the benchmark as well as the median region weights of the peer group.



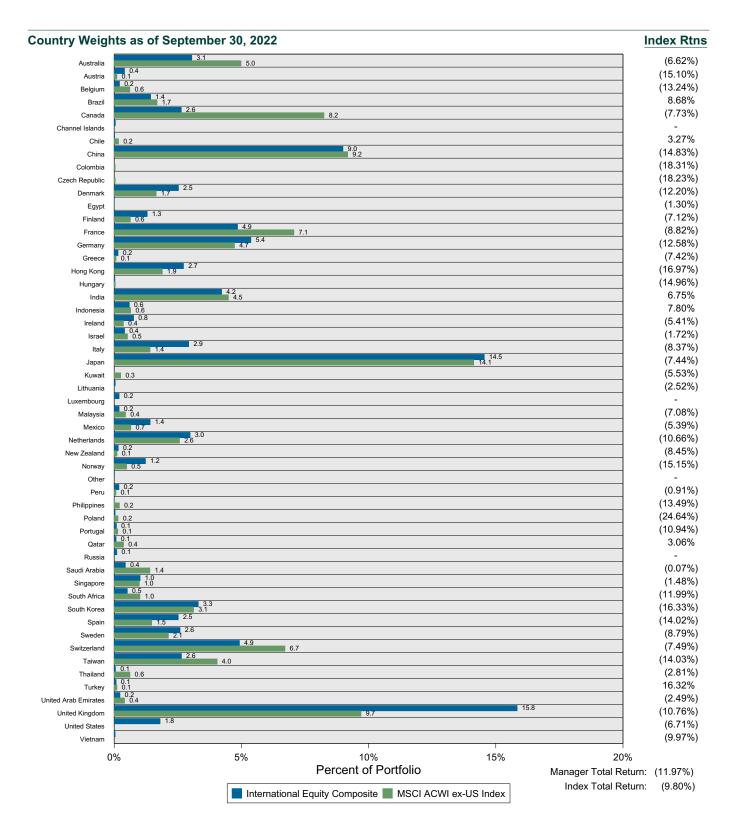
*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.



Country Allocation International Equity Composite VS MSCI ACWI ex-US Index

Country Allocation

The chart below contrasts the portfolio's country allocation with that of the index as of September 30, 2022. This chart is useful because large deviations in country allocation relative to the index are often good predictors of tracking error in the subsequent quarter. To the extent that the portfolio allocation is similar to the index, the portfolio should experience more "index-like" performance. In order to illustrate the performance effect on the portfolio and index of these country allocations, the individual index country returns are also shown.



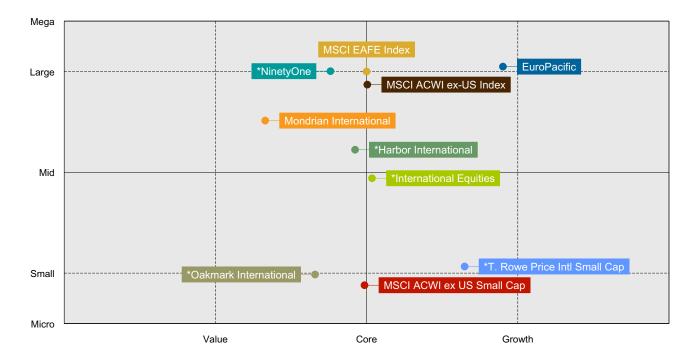


International Holdings Based Style Analysis For One Quarter Ended September 30, 2022

This page analyzes and compares the investment styles of multiple portfolios using a detailed holdings-based style analysis methodology. The size component of style is measured by the weighted median market capitalization of the holdings. The value/core/growth style dimension is captured by the "Combined Z-Score" of the portfolio. This score is based on eight fundamental factors used in the MSCI stock style scoring system. The table below gives a more detailed breakdown of several relevant style metrics on the portfolios.

Style Map

Holdings for One Quarter Ended September 30, 2022



	Weight %	Wtd Median Mkt Cap	Combined Z-Score	Growth Z-Score	Value Z-Score	Number of Securities [Security Diversification
EuroPacific	19.38%	44.53	0.75	0.29	(0.45)	360	34.90
*Harbor International	21.77%	16.55	(0.07)	(0.05)	0.02	343	59.06
*Oakmark International	19.13%	1.89	(0.30)	(0.17)	0.14	60	17.94
Mondrian International	15.83%	23.02	(0.60)	(0.18)	0.42	95	25.08
*T. Rowe Price Intl Small Cap	14.04%	2.55	0.54	0.16	(0.38)	221	57.37
*NinetyOne	9.86%	34.72	(0.21)	(0.11)	0.10	77	19.75
*International Equities	100.00%	10.96	0.03	(0.01)	(0.03)	957	128.48
MSCI ACWI ex US Small Cap	-	1.69	(0.02)	(0.02)	(0.01)	4382	820.23
MSCI EAFE Index	-	33.94	(0.00)	(0.04)	(0.04)	799	94.84
MSCI ACWI ex-US Index	-	31.03	0.00	(0.04)	(0.04)	2272	170.19

*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.



EuroPacific Period Ended September 30, 2022

Investment Philosophy

The Fund is highly diversified and includes multiple autonomous investment sleeves. In eleven of the sleeves, the portfolio managers have full autonomy in selecting securities. In the two remaining sleeves, a group of senior research analysts are directly responsible for stock selection. While the sleeves range in style from value to growth, in aggregate the Fund has a significant growth bias. Over the last ten years, this bias has slowly become more pronounced but should not be considered a permanent attribute. Although we consider this Fund to be a core option, it is not benchmark-aware. It may have significant deviations from the benchmark from both a country and sector perspective and will typically have a significant exposure to emerging markets. Although this Fund could serve as a standalone option for smaller accounts, we would recommend clients utilize this Fund in a multi-manager non-US structure with diversifying strategies. Switched from Class R-5 Shares to Class R-6 Shares in December 2009.

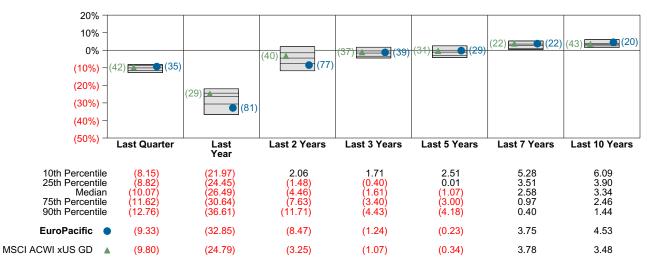
Quarterly Summary and Highlights

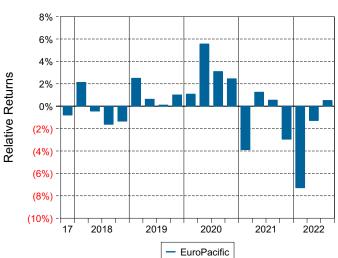
- EuroPacific's portfolio posted a (9.33)% return for the quarter placing it in the 35 percentile of the Callan Non US Equity Mutual Funds group for the quarter and in the 81 percentile for the last year.
- EuroPacific's portfolio outperformed the MSCI ACWI xUS GD by 0.47% for the quarter and underperformed the MSCI ACWI xUS GD for the year by 8.07%.

Quarterly Asset G	rowth
nning Market Value	\$25,949,

Beginning Market Value	\$25,949,689
Net New Investment	\$1,000,000
Investment Gains/(Losses)	\$-2,418,471
Ending Market Value	\$24,531,217

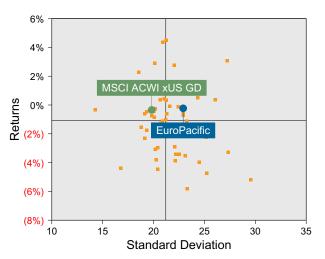






Relative Return vs MSCI ACWI xUS GD

Callan Non US Equity Mutual Funds (Net) Annualized Five Year Risk vs Return

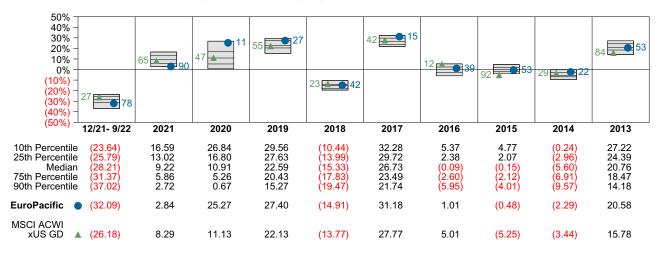


EuroPacific Return Analysis Summary

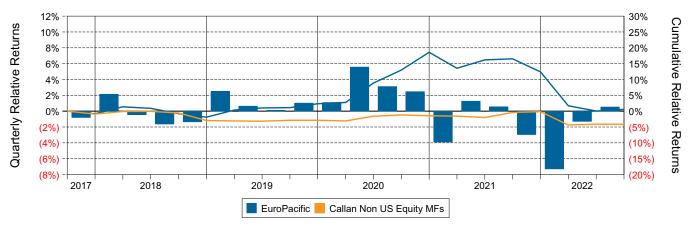
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

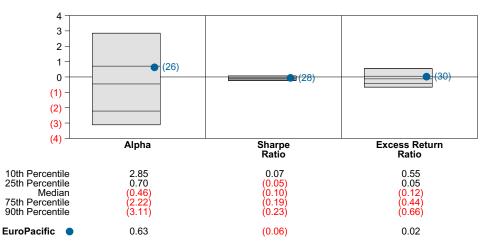
Performance vs Callan Non US Equity Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs MSCI ACWI xUS GD



Risk Adjusted Return Measures vs MSCI ACWI xUS GD Rankings Against Callan Non US Equity Mutual Funds (Net) Five Years Ended September 30, 2022



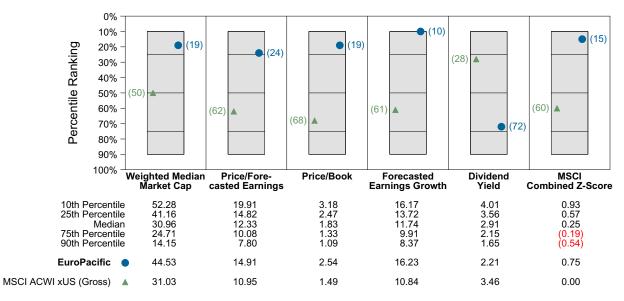


EuroPacific Equity Characteristics Analysis Summary

Portfolio Characteristics

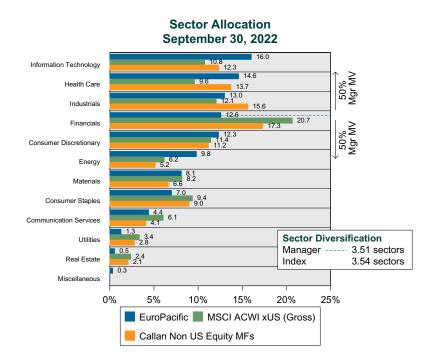
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

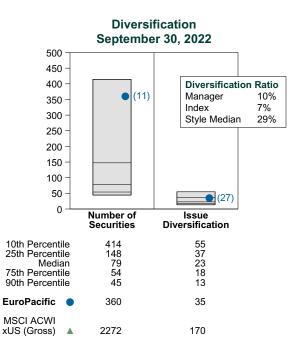
Portfolio Characteristics Percentile Rankings Rankings Against Callan Non US Equity Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



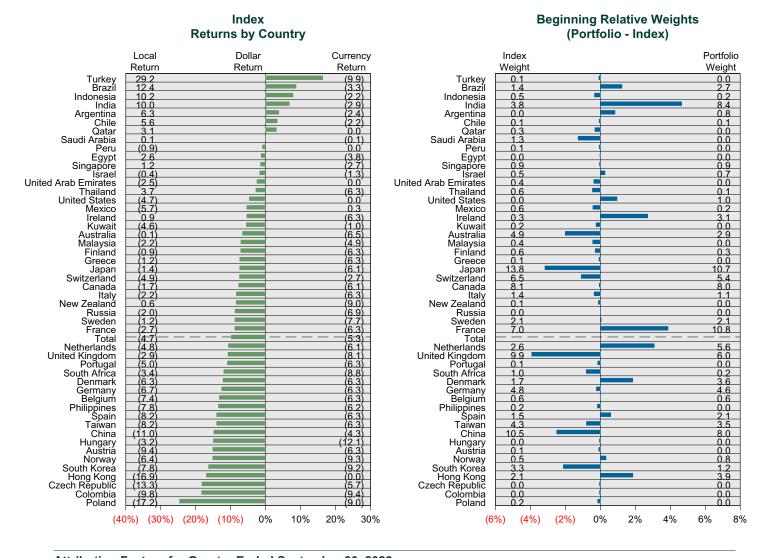


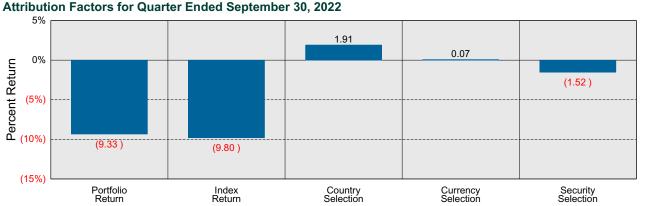


EuroPacific vs MSCI ACWI xUS GD Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





Harbor International Period Ended September 30, 2022

Investment Philosophy

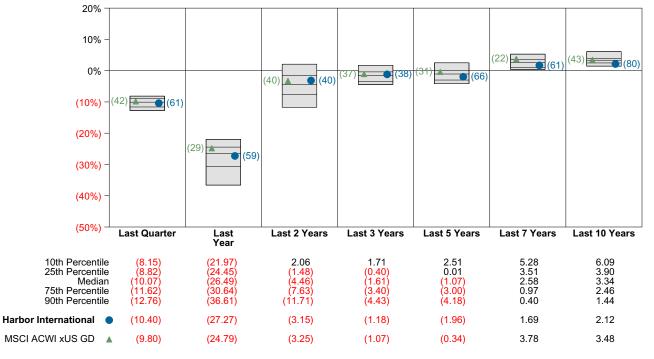
On August 22, 2018, Harbor Funds Board of Trustees appointed Marathon Asset Management LLP (Marathon London) to serve as sub-advisor to the Harbor International Fund, replacing Northern Cross, LLC, effective immediately.

Quarterly Summary and Highlights

- Harbor International's portfolio posted a (10.40)% return for the quarter placing it in the 61 percentile of the Callan Non US Equity Mutual Funds group for the quarter and in the 59 percentile for the last year.
- Harbor International's portfolio underperformed the MSCI ACWI xUS GD by 0.59% for the quarter and underperformed the MSCI ACWI xUS GD for the year by 2.49%.

Quarterly Asset Growth			
Beginning Market Value	\$29,625,287		
Net New Investment	\$1,000,000		
Investment Gains/(Losses)	\$-3,073,855		
Ending Market Value	\$27,551,432		

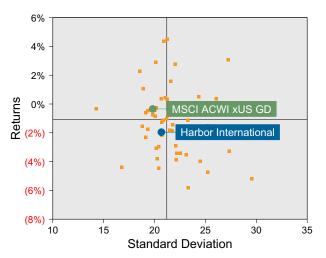
Performance vs Callan Non US Equity Mutual Funds (Net)



4% 3% 2% **Relative Returns** 1% 0% (1%) (2%) (3%) (4%) (5%) (6%) 17 2018 2019 2020 2021 2022 Harbor International

Relative Return vs MSCI ACWI xUS GD

Callan Non US Equity Mutual Funds (Net) Annualized Five Year Risk vs Return

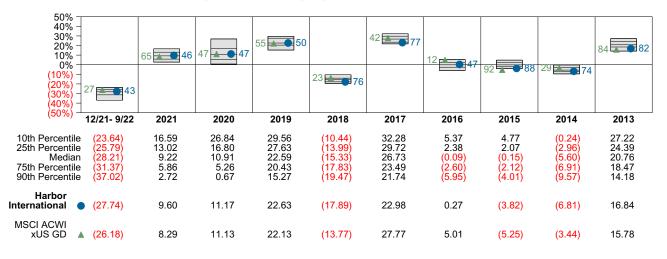


Harbor International Return Analysis Summary

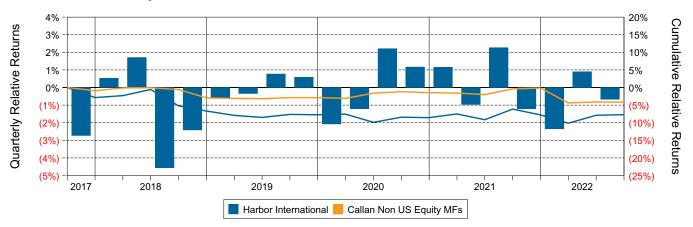
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

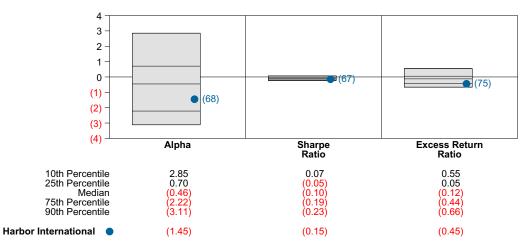
Performance vs Callan Non US Equity Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs MSCI ACWI xUS GD



Risk Adjusted Return Measures vs MSCI ACWI xUS GD Rankings Against Callan Non US Equity Mutual Funds (Net) Five Years Ended September 30, 2022



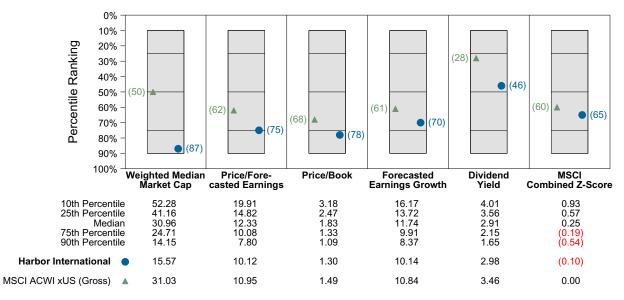


Harbor International Equity Characteristics Analysis Summary

Portfolio Characteristics

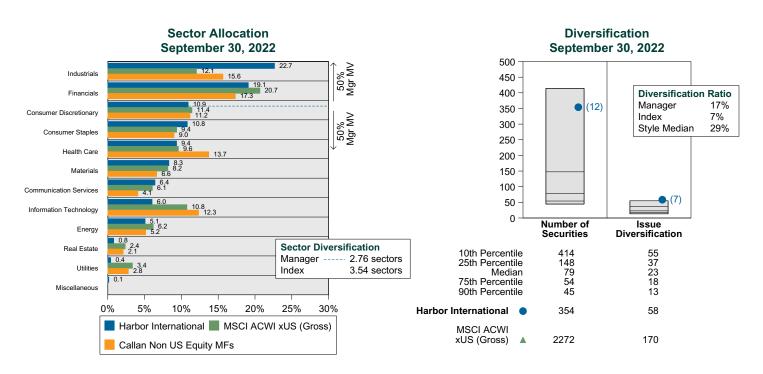
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Non US Equity Mutual Funds as of September 30, 2022



Sector Weights

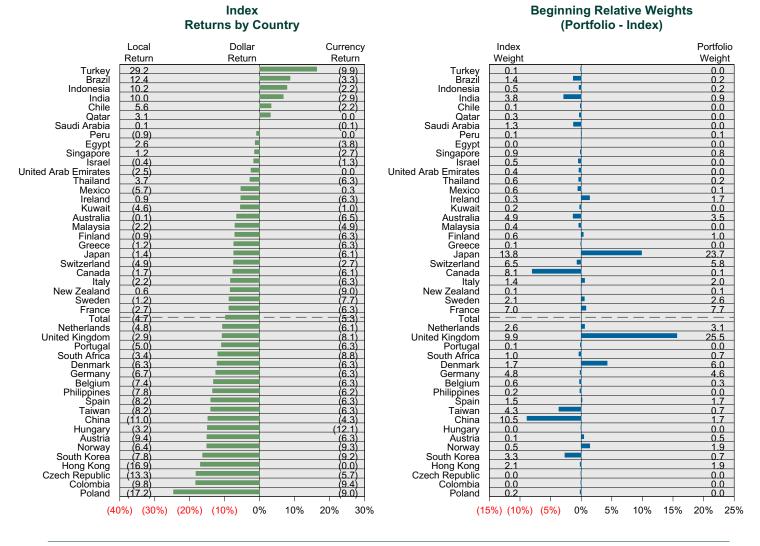
The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.

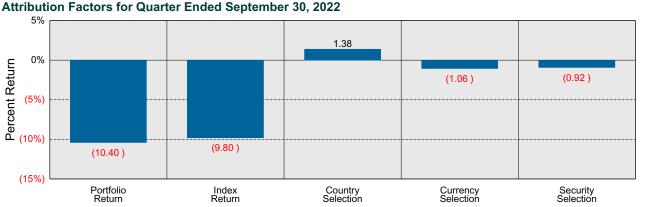


Harbor International vs MSCI ACWI xUS GD Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





Oakmark International Period Ended September 30, 2022

Investment Philosophy

Harris International Equity is sub-advised by Oakmark. Oakmark employs a value approach to investing and relies on its in-house research capabilities to build focused portfolios. The investment team purchases international stocks in both established and emerging markets that are selling at a substantial discount to intrinsic value. Unlike some value managers, Oakmark places particular emphasis on a company's ability to generate free cash flow as well as the strength of company management. Stocks are also analyzed in terms of financial strength, the position of the company in its industry, and the attractiveness of the industry. The resulting portfolio is relatively concentrated with between 35-65 holdings (although typical number of holdings has been in the 50-55 range). The portfolio is highly benchmark agnostic and the portfolios risk guidelines are broad. The strategy's exposure to emerging markets varies but is limited to 20% of the portfolio. A company is typically purchased when its discount to intrinsic value is 30% or greater and sold when that discount nears 10% or less. Turnover has typically averaged less than 20% a year, reflecting the investment teams 3-5 year outlook on its holdings. *This fund was converted into a CIT in November 2015.

В

Ending Market Value

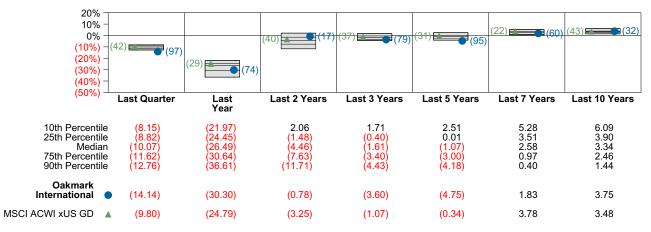
Quarterly Summary and Highlights

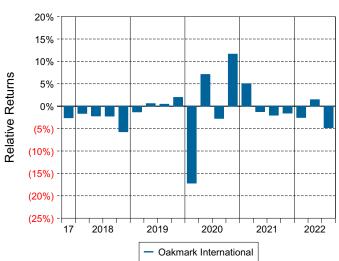
- Oakmark International's portfolio posted a (14.14)% return for the guarter placing it in the 97 percentile of the Callan Non US Equity Mutual Funds group for the guarter and in the 74 percentile for the last year.
- Oakmark International's portfolio underperformed the MSCI ACWI xUS GD by 4.34% for the quarter and underperformed the MSCI ACWI xUS GD for the year by 5.51%.

Quarterly Asset Growth		
Beginning Market Value	\$28,195,145	
Net New Investment	\$0	
Investment Gains/(Losses)	\$-3,986,777	

\$24.208.368

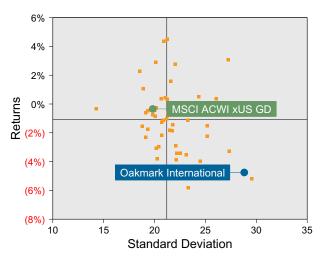
Performance vs Callan Non US Equity Mutual Funds (Net)





Relative Return vs MSCI ACWI xUS GD

Callan Non US Equity Mutual Funds (Net) Annualized Five Year Risk vs Return

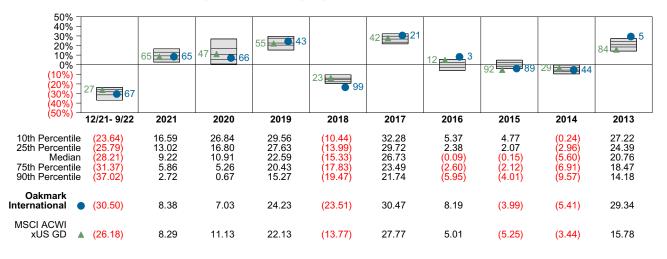


Oakmark International Return Analysis Summary

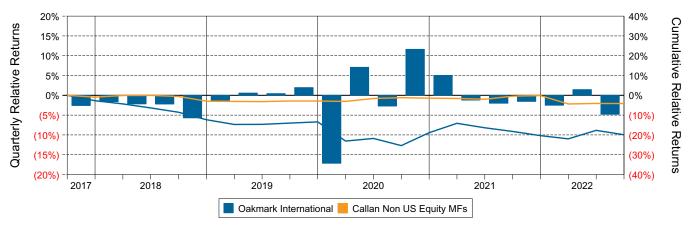
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

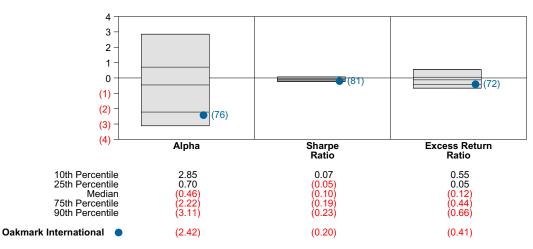
Performance vs Callan Non US Equity Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs MSCI ACWI xUS GD



Risk Adjusted Return Measures vs MSCI ACWI xUS GD Rankings Against Callan Non US Equity Mutual Funds (Net) Five Years Ended September 30, 2022



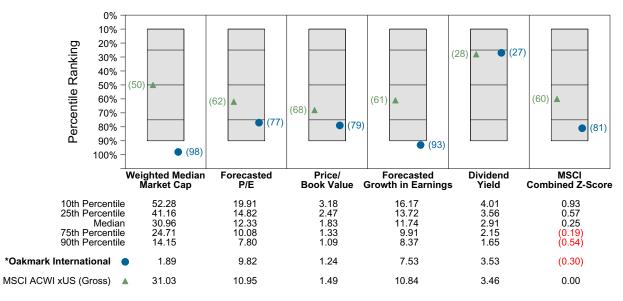


Oakmark International Equity Characteristics Analysis Summary

Portfolio Characteristics

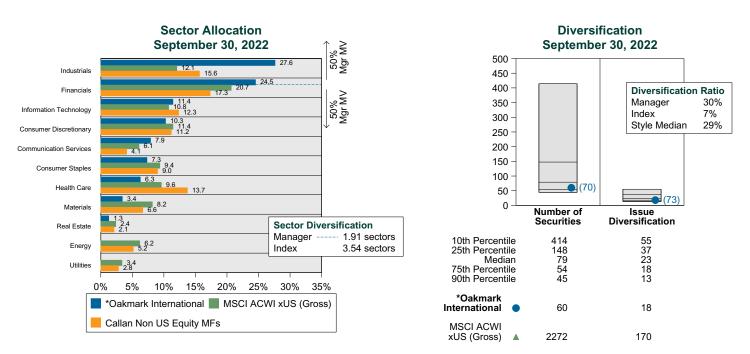
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Non US Equity Mutual Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.

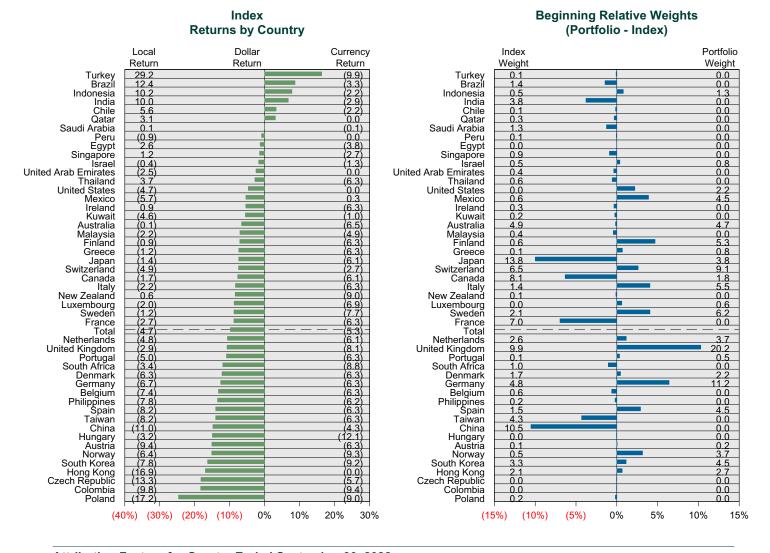


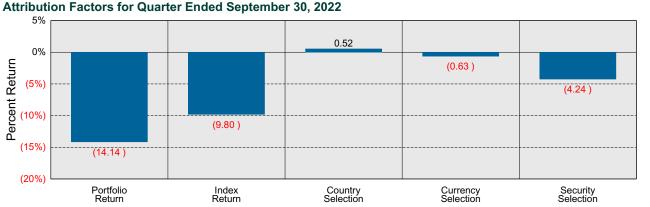
*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.

Oakmark International vs MSCI ACWI xUS GD Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





Mondrian International Period Ended September 30, 2022

Investment Philosophy

Mondrian's value driven investment philosophy is based on the belief that investments need to be evaluated in terms of their fundamental long-term value. In the management of international equity assets, they invest in securities where rigorous dividend discount analysis identifies value in terms of the long term flow of income. Mondrian's management fee is 80 bps on all assets.

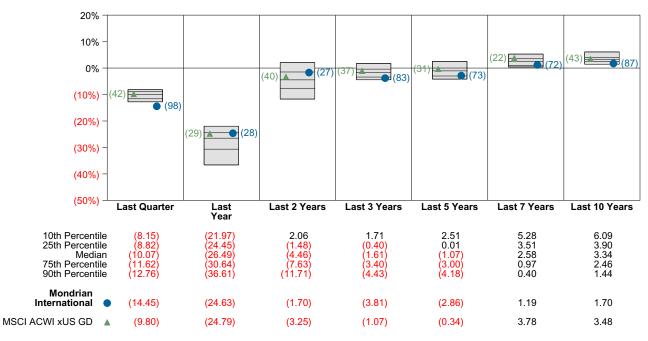
Quarterly Summary and Highlights

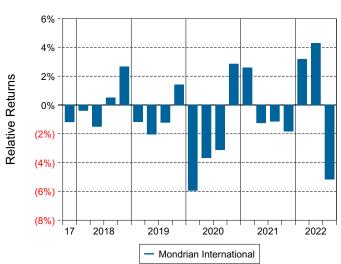
- Mondrian International's portfolio posted a (14.45)% return for the quarter placing it in the 98 percentile of the Callan Non US Equity Mutual Funds group for the quarter and in the 28 percentile for the last year.
- Mondrian International's portfolio underperformed the MSCI ACWI xUS GD by 4.65% for the quarter and outperformed the MSCI ACWI xUS GD for the year by 0.16%.

Quarterly Asset Growth

Beginning Market Value	\$29,325,792
Net New Investment	\$-6,000,000
Investment Gains/(Losses)	\$-3,296,083
Ending Market Value	\$20,029,709

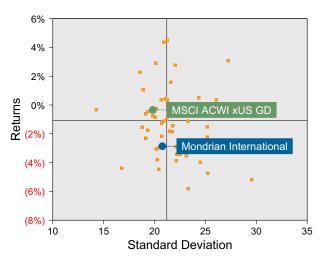






Relative Return vs MSCI ACWI xUS GD

Callan Non US Equity Mutual Funds (Net) Annualized Five Year Risk vs Return

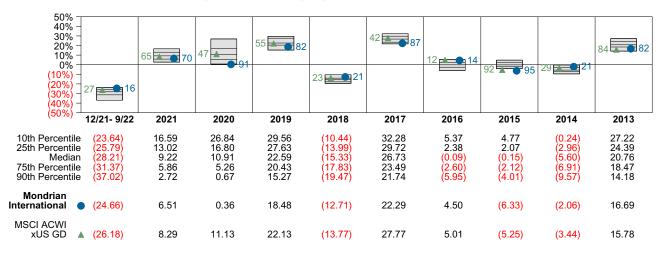


Mondrian International Return Analysis Summary

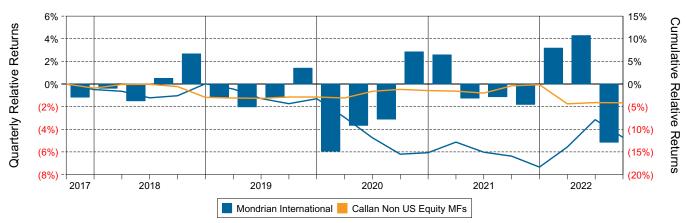
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

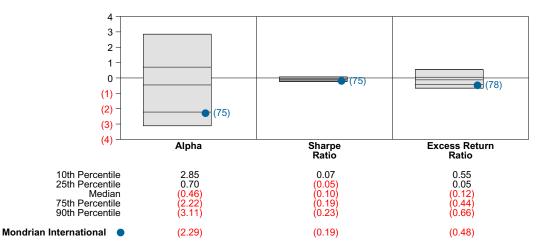
Performance vs Callan Non US Equity Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs MSCI ACWI xUS GD



Risk Adjusted Return Measures vs MSCI ACWI xUS GD Rankings Against Callan Non US Equity Mutual Funds (Net) Five Years Ended September 30, 2022

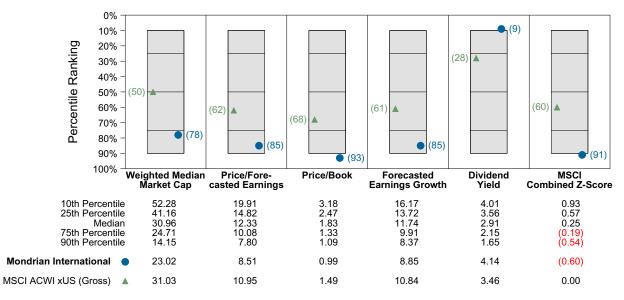


Mondrian International Equity Characteristics Analysis Summary

Portfolio Characteristics

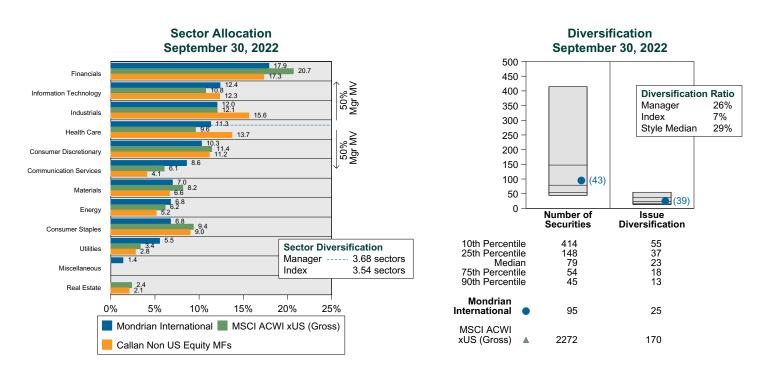
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan Non US Equity Mutual Funds as of September 30, 2022



Sector Weights

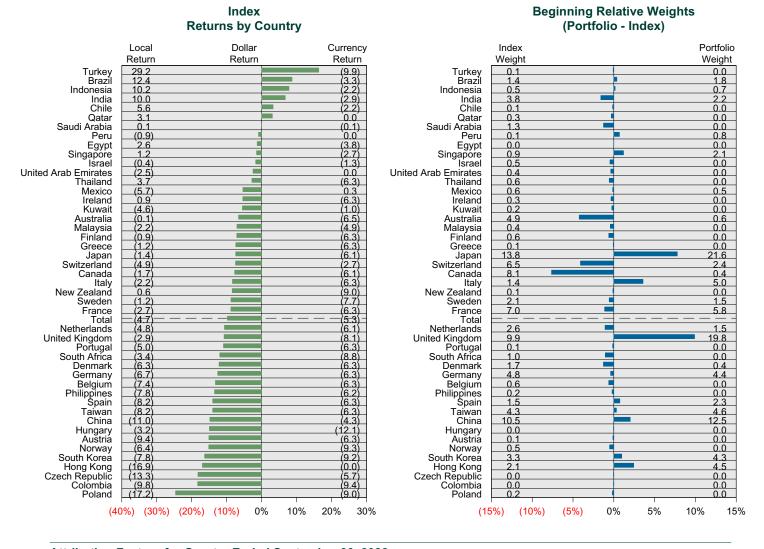
The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.

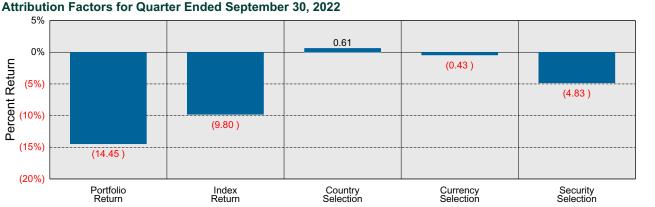


Mondrian International vs MSCI ACWI xUS GD Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





T. Rowe Price Intl Small Cap Period Ended September 30, 2022

Investment Philosophy

T. Rowe's International Small Cap strategy has been managed within a multi-portfolio manager structure with regional responsibilities since inception. The group has been incredibly stable, however, in 2021 Ben Griffiths took on the leadership role of the team from previous portfolio manager, Justin Thomson, who was elevated to head of T. Rowe's International Equity division. Fortunately, Griffiths has been a member of the team since 2006 and well equipped to take over. The investment process focuses on finding high quality businesses that can generate performance beyond a business cycle. The team takes a long-term approach to identify 200 to 250 stocks for the portfolio, diversified across sectors and regions. Historical results are impressive as the portfolio's investments in compounding growth companies have done well, although the strategy may struggle in commodity-driven and/or cyclical regimes. Portfolio was funded September 2017. Historical returns are that of the manager's composite.

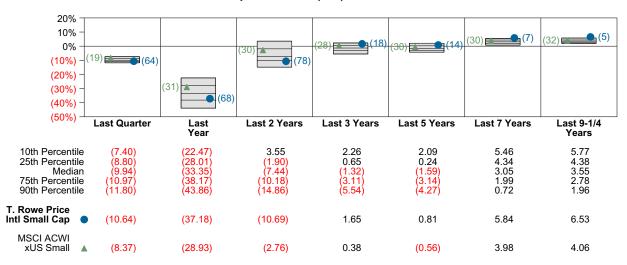
Quarterly Summary and Highlights

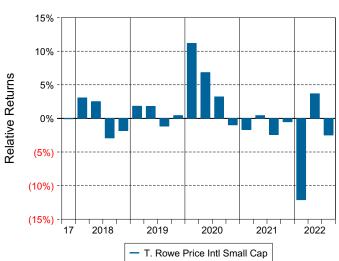
- T. Rowe Price Intl Small Cap's portfolio posted a (10.64)% return for the quarter placing it in the 64 percentile of the Callan International Small Cap Mut Funds group for the quarter and in the 68 percentile for the last year.
- T. Rowe Price Intl Small Cap's portfolio underperformed the MSCI ACWI xUS Small by 2.28% for the quarter and underperformed the MSCI ACWI xUS Small for the year by 8.24%.

Quarterly Asset Growth

Beginning Market Value	\$19,884,625
Net New Investment	\$0
Investment Gains/(Losses)	\$-2,116,409
Ending Market Value	\$17,768,216

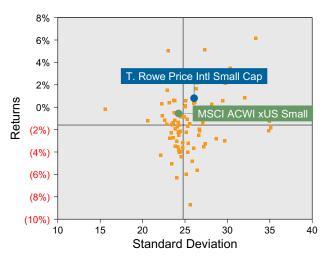
Performance vs Callan International Small Cap Mut Funds (Net)





Relative Return vs MSCI ACWI xUS Small

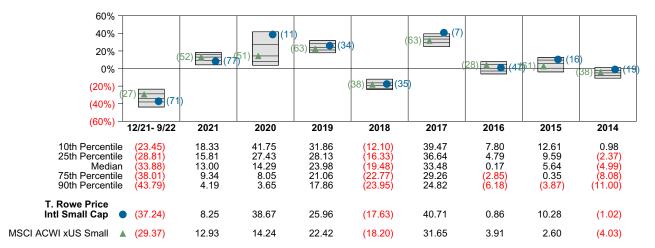
Callan International Small Cap Mut Funds (Net) Annualized Five Year Risk vs Return



T. Rowe Price Intl Small Cap Return Analysis Summary

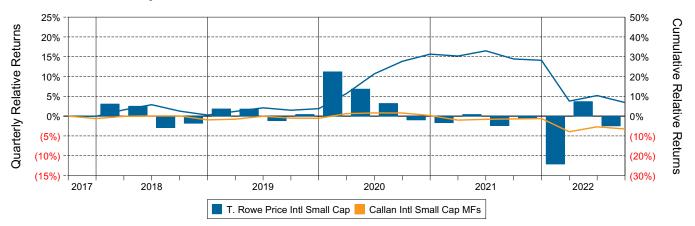
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

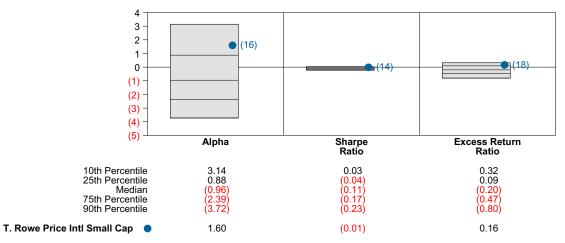




Cumulative and Quarterly Relative Returns vs MSCI ACWI xUS Small



Risk Adjusted Return Measures vs MSCI ACWI xUS Small Rankings Against Callan International Small Cap Mut Funds (Net) Five Years Ended September 30, 2022

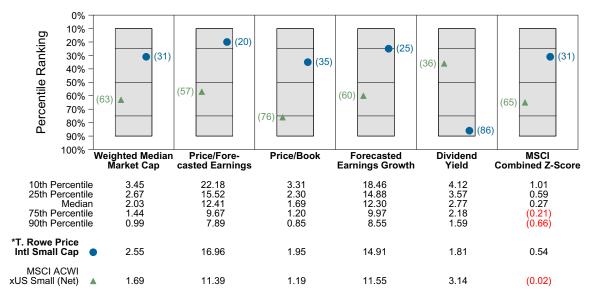


T. Rowe Price Intl Small Cap Equity Characteristics Analysis Summary

Portfolio Characteristics

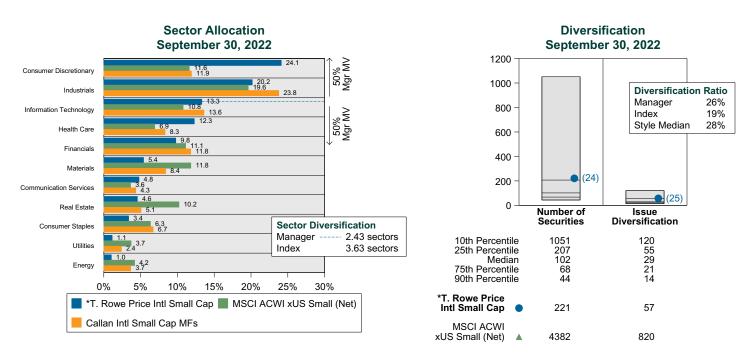
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Callan International Small Cap Mut Funds as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



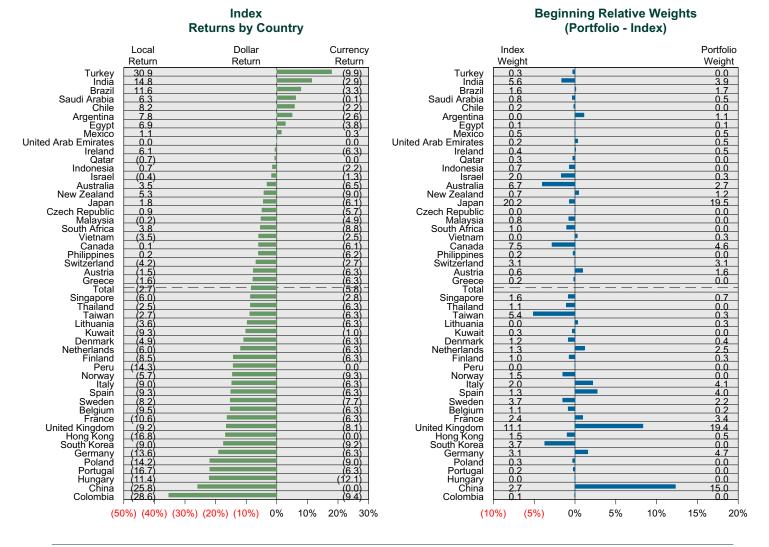
*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.

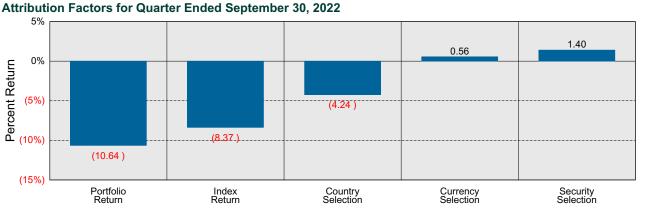


T. Rowe Price Intl Small Cap vs MSCI ACWI xUS Small Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





NinetyOne Period Ended September 30, 2022

Investment Philosophy

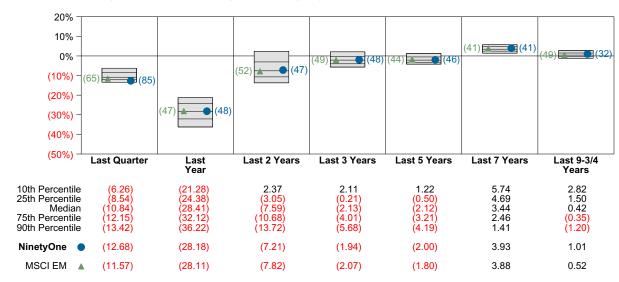
Ninety One North America's 4Factor Equity team believes that share prices are driven by four key attributes over time and investing in companies that display these characteristics will drive long-term performance. They look to invest in high quality, attractively valued companies, which are improving operating performance and receiving increasing investor attention. These four factors (i.e., Strategy, Value, Earnings, and Technicals) are confirmed as performance drivers by academic research, empirical testing and intuitive reasoning. They believe that each factor can be a source of outperformance but in combination they are intended to produce more stable returns over the market cycle. Ninety One North America's management fee is 80 bps on all assets. The portfolio was funded June 2017. Historical returns are that of the manager's composite.

Quarterly Summary and Highlights

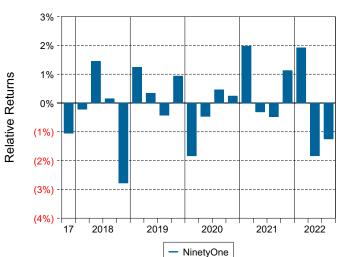
- NinetyOne's portfolio posted a (12.68)% return for the quarter placing it in the 85 percentile of the Morningstar Diversified Emg Mkts Fds group for the quarter and in the 48 percentile for the last year.
- NinetyOne's portfolio underperformed the MSCI EM by 1.10% for the quarter and underperformed the MSCI EM for the year by 0.07%.

Quarterly Asset Growth	
inning Market Value	\$14,263,178

Beginning Market Value	\$14,263,178
Net New Investment	\$0
Investment Gains/(Losses)	\$-1,782,160
Ending Market Value	\$12,481,018

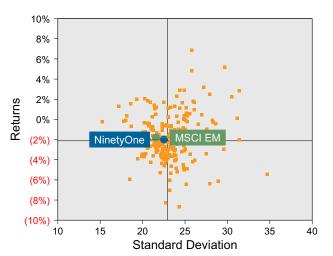


Performance vs Morningstar Diversified Emg Mkts Fds (Net)



Relative Return vs MSCI EM

Morningstar Diversified Emg Mkts Fds (Net) Annualized Five Year Risk vs Return

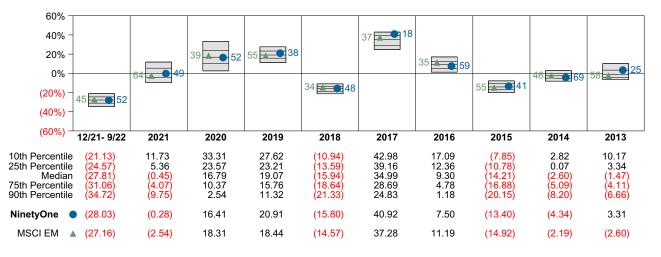


NinetyOne Return Analysis Summary

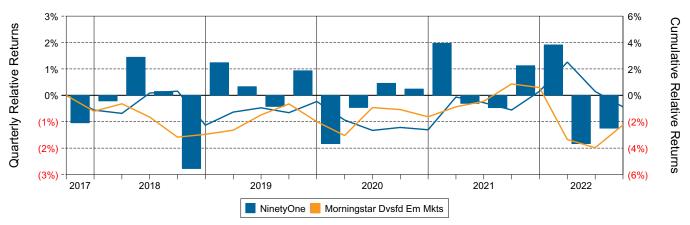
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

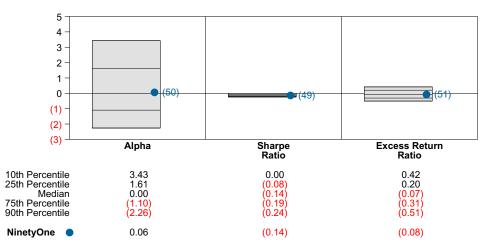




Cumulative and Quarterly Relative Returns vs MSCI EM



Risk Adjusted Return Measures vs MSCI EM Rankings Against Morningstar Diversified Emg Mkts Fds (Net) Five Years Ended September 30, 2022



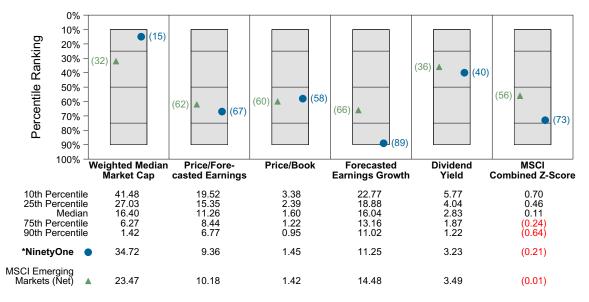


NinetyOne Equity Characteristics Analysis Summary

Portfolio Characteristics

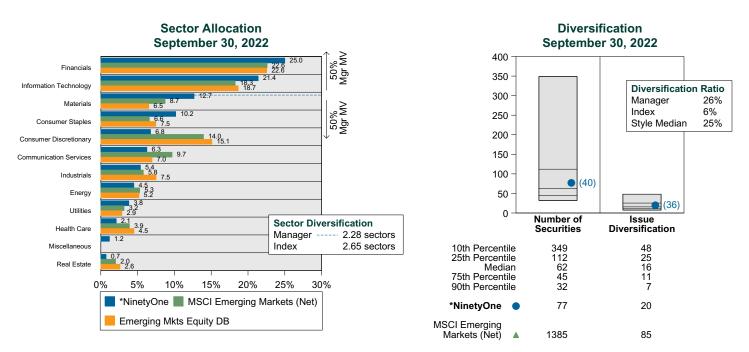
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Portfolio Characteristics Percentile Rankings Rankings Against Emerging Markets Equity DB as of September 30, 2022



Sector Weights

The graph below contrasts the manager's sector weights with those of the benchmark and median sector weights across the members of the peer group. The magnitude of sector weight differences from the index and the manager's sector diversification are also shown. Diversification by number and concentration of holdings are also compared to the benchmark and peer group. Issue Diversification represents by count, and Diversification Ratio by percent, the number of holdings that account for half of the portfolio's market value.



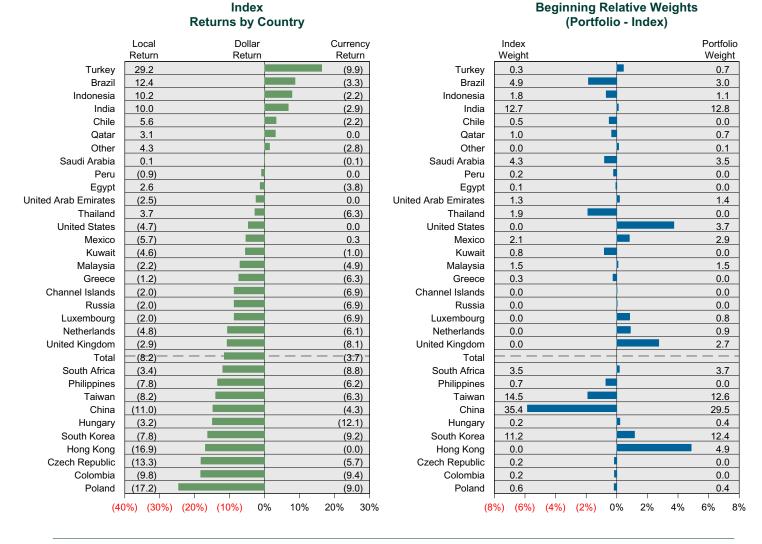
*9/30/22 portfolio characteristics generated using most recently available holdings (6/30/22) modified based on a "buy-and-hold" assumption (repriced and adjusted for corporate actions). Analysis is then done using current market and company financial data.



NinetyOne vs MSCI EM Attribution for Quarter Ended September 30, 2022

International Attribution

The first chart below illustrates the return for each country in the index sorted from high to low. The total return for the index is highlighted with a dotted line. The second chart (countries presented in the same order) illustrates the manager's country allocation decisions relative to the index. To the extent that the manager over-weighted a country that had a higher return than the total return for the index (above the dotted line) it contributes positively to the manager's country (or currency) selection effect. The last chart details the manager return, the index return, and the attribution factors for the quarter.





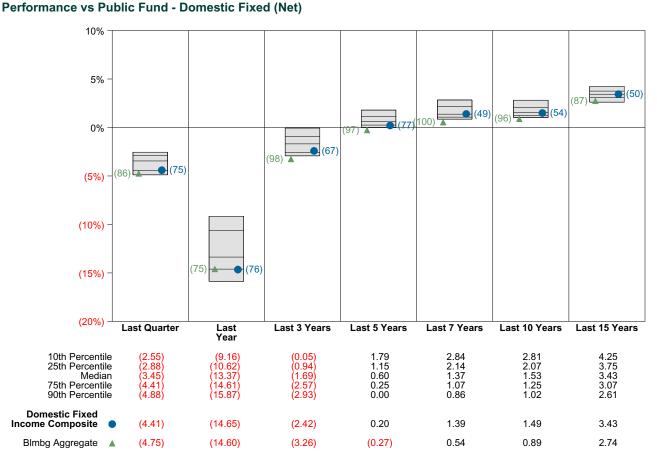
Domestic Fixed Income Composite Period Ended September 30, 2022

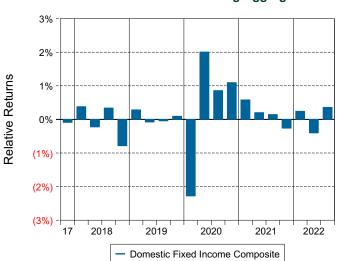
Quarterly Summary and Highlights

- Domestic Fixed Income Composite's portfolio posted a (4.41)% return for the quarter placing it in the 75 percentile of the Public Fund Domestic Fixed group for the quarter and in the 76 percentile for the last year.
- Domestic Fixed Income Composite's portfolio outperformed the Blmbg Aggregate by 0.34% for the quarter and underperformed the Blmbg Aggregate for the year by 0.06%.

Quarterly Asset Growth

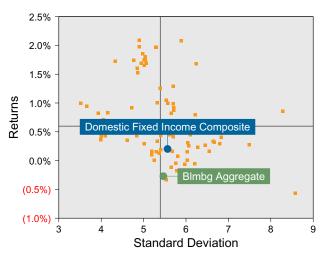
Beginning Market Value	\$125,692,476
Net New Investment	\$-3,000,000
Investment Gains/(Losses)	\$-5,534,656
Ending Market Value	\$117,157,820





Relative Return vs Blmbg Aggregate

Public Fund - Domestic Fixed (Net) Annualized Five Year Risk vs Return

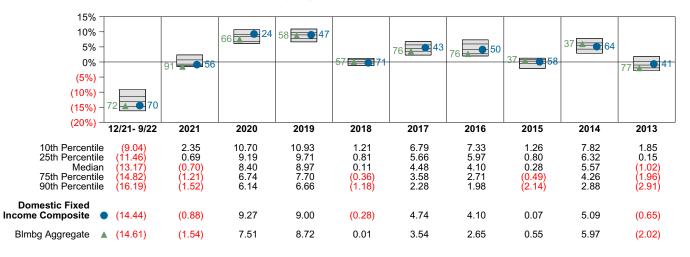


Domestic Fixed Income Composite Return Analysis Summary

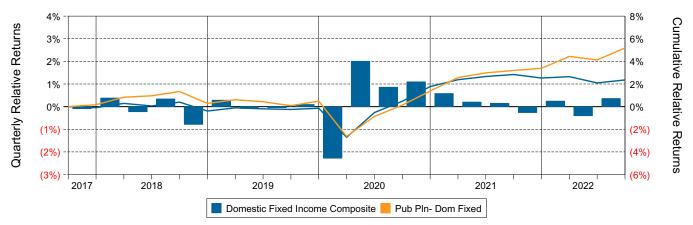
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

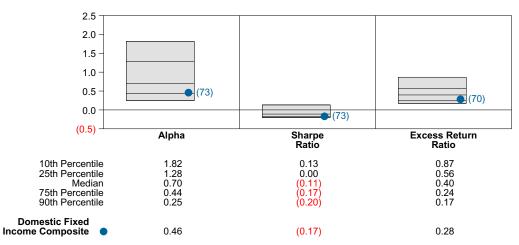
Performance vs Public Fund - Domestic Fixed (Net)



Cumulative and Quarterly Relative Returns vs Blmbg Aggregate



Risk Adjusted Return Measures vs Blmbg Aggregate Rankings Against Public Fund - Domestic Fixed (Net) Five Years Ended September 30, 2022

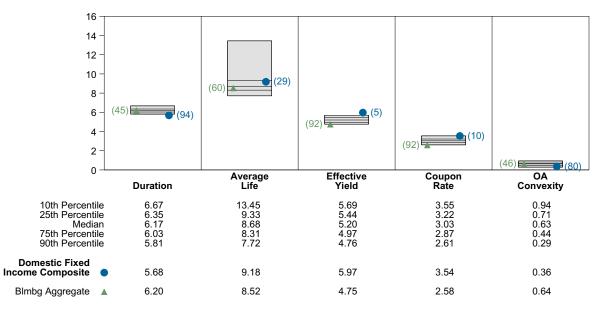


Domestic Fixed Income Composite Bond Characteristics Analysis Summary

Portfolio Characteristics

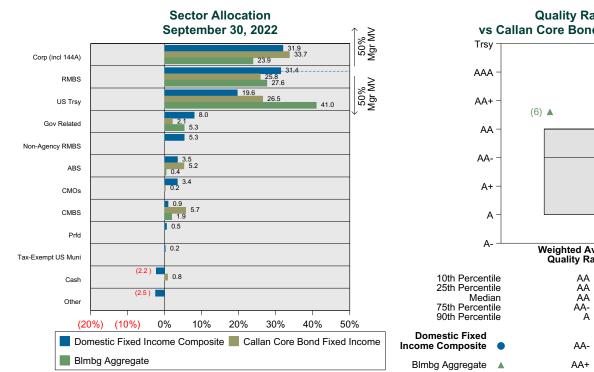
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Fixed Income Portfolio Characteristics Rankings Against Callan Core Bond Fixed Income as of September 30, 2022

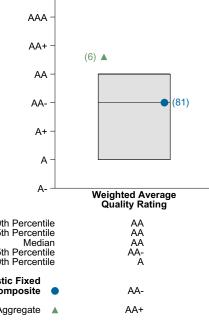


Sector Allocation and Quality Ratings

The first graph compares the manager's sector allocation with the average allocation across all the members of the manager's style. The second graph compares the manager's weighted average quality rating with the range of quality ratings for the style.



Quality Ratings vs Callan Core Bond Fixed Income



Dodge & Cox Income Period Ended September 30, 2022

Investment Philosophy

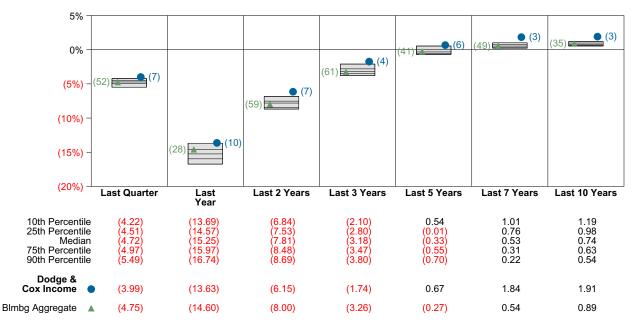
Dodge & Cox employs a bottom-up, value-oriented approach to construct portfolios. In-depth fundamental research is a hallmark of the process. The Fund can be expected to have an underweight in US Treasuries, an overweight in corporate credit and a higher yield than the benchmark. Turnover is low and the investors should have a long-term investment horizon. A maximum of 20% may be invested in securities rated below investment grade, but historically the amount has been less.

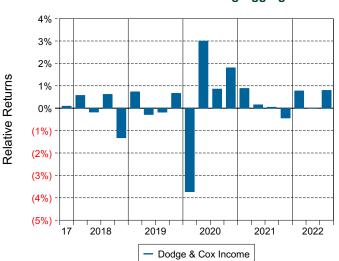
Quarterly Summary and Highlights

- Dodge & Cox Income's portfolio posted a (3.99)% return for the quarter placing it in the 7 percentile of the Callan Core Bond Mutual Funds group for the quarter and in the 10 percentile for the last year.
- Dodge & Cox Income's portfolio outperformed the BImbg Aggregate by 0.76% for the quarter and outperformed the BImbg Aggregate for the year by 0.96%.

Quarterly Asset Growth		
Beginning Market Value	\$62,459,347	
Net New Investment	\$-1,000,000	
Investment Gains/(Losses)	\$-2,493,782	
Ending Market Value	\$58,965,564	

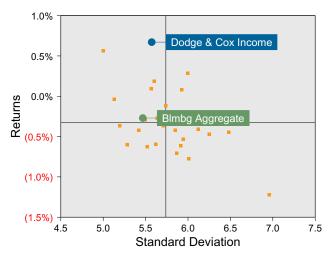






Relative Return vs Blmbg Aggregate

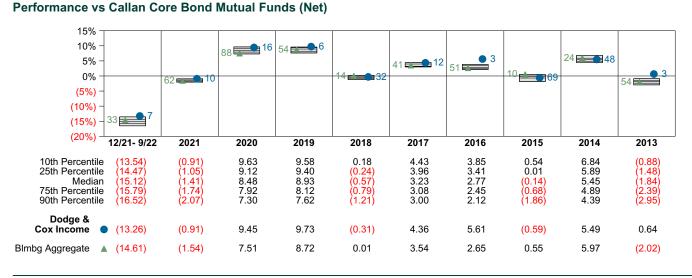
Callan Core Bond Mutual Funds (Net) Annualized Five Year Risk vs Return



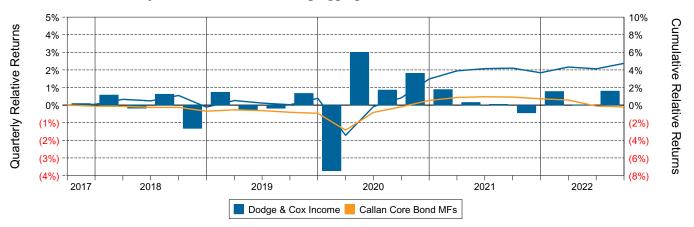
Dodge & Cox Income Return Analysis Summary

Return Analysis

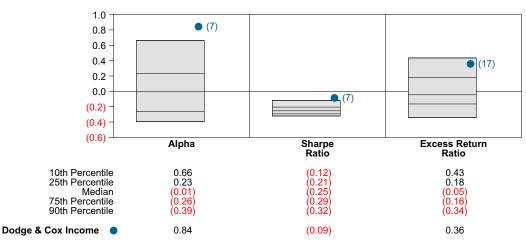
The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.



Cumulative and Quarterly Relative Returns vs Blmbg Aggregate



Risk Adjusted Return Measures vs Blmbg Aggregate Rankings Against Callan Core Bond Mutual Funds (Net) Five Years Ended September 30, 2022



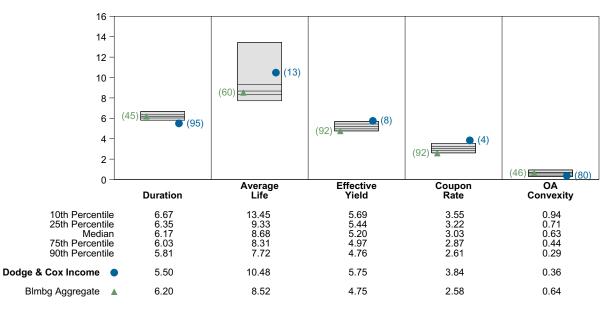


Dodge & Cox Income Bond Characteristics Analysis Summary

Portfolio Characteristics

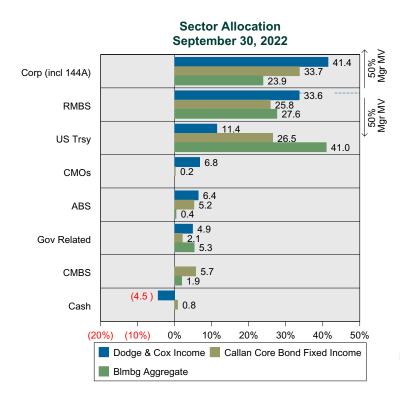
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Fixed Income Portfolio Characteristics Rankings Against Callan Core Bond Fixed Income as of September 30, 2022

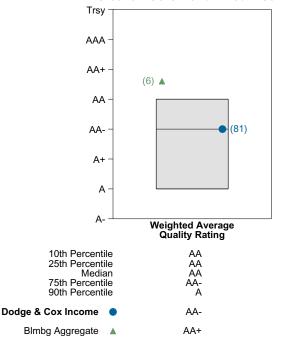


Sector Allocation and Quality Ratings

The first graph compares the manager's sector allocation with the average allocation across all the members of the manager's style. The second graph compares the manager's weighted average quality rating with the range of quality ratings for the style.



Quality Ratings vs Callan Core Bond Fixed Income



PIMCO Period Ended September 30, 2022

Investment Philosophy

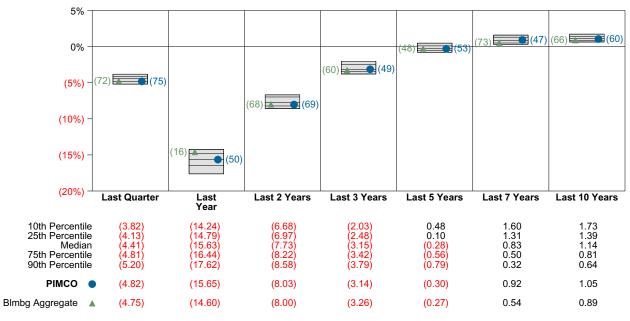
The Total Return fund is a core plus strategy managed by a team of PIMCO's senior investment professionals. PIMCO is well known for its macroeconomic forecasts, which contribute to the top-down elements of its investment process while sector teams and traders drive the bottom-up security selection choices. The strategy is benchmarked to the Bloomberg U.S. Aggregate Index and invests in a broad set of fixed income sectors. Duration is generally within two years of the benchmark. The Fund allows up to 20% in high yield and 20% in foreign currency exposure.

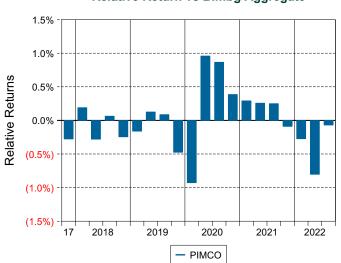
Quarterly Summary and Highlights

- PIMCO's portfolio posted a (4.82)% return for the quarter placing it in the 75 percentile of the Callan Core Plus Mutual Funds group for the quarter and in the 50 percentile for the last year.
- PIMCO's portfolio underperformed the BImbg Aggregate by 0.07% for the quarter and underperformed the BImbg Aggregate for the year by 1.05%.

Performance vs Callan Core Plus Mutual Funds (Net)

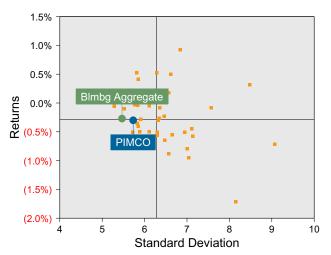
Quarterly Asset Growth		
Beginning Market Value	\$63,233,129	
Net New Investment	\$-2,000,000	
Investment Gains/(Losses)	\$-3,040,873	
Ending Market Value \$58,192,2		





Relative Return vs Blmbg Aggregate

Callan Core Plus Mutual Funds (Net) Annualized Five Year Risk vs Return

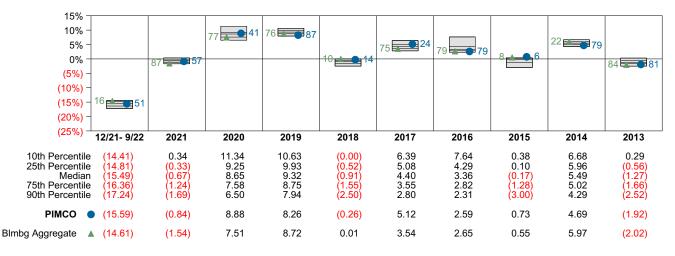


PIMCO Return Analysis Summary

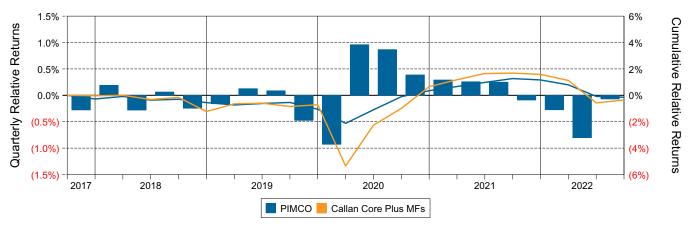
Return Analysis

The graphs below analyze the manager's return on both a risk-adjusted and unadjusted basis. The first chart illustrates the manager's ranking over different periods versus the appropriate style group. The second chart shows the historical quarterly and cumulative manager returns versus the appropriate market benchmark. The last chart illustrates the manager's ranking relative to their style using various risk-adjusted return measures.

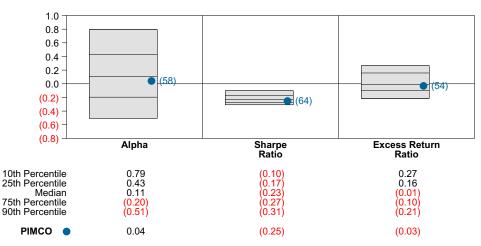
Performance vs Callan Core Plus Mutual Funds (Net)



Cumulative and Quarterly Relative Returns vs Blmbg Aggregate



Risk Adjusted Return Measures vs Blmbg Aggregate Rankings Against Callan Core Plus Mutual Funds (Net) Five Years Ended September 30, 2022

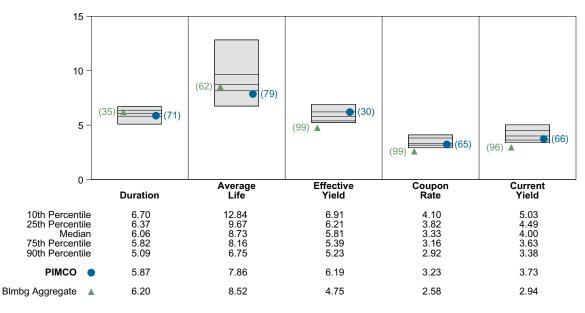


PIMCO Bond Characteristics Analysis Summary

Portfolio Characteristics

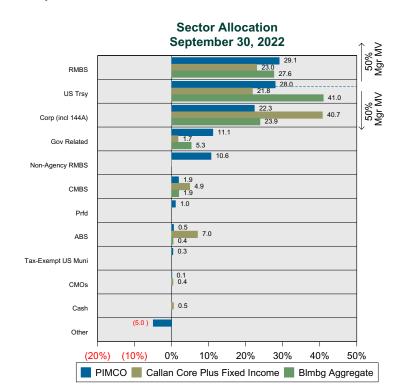
This graph compares the manager's portfolio characteristics with the range of characteristics for the portfolios which make up the manager's style group. This analysis illustrates whether the manager's current holdings are consistent with other managers employing the same style.

Fixed Income Portfolio Characteristics Rankings Against Callan Core Plus Fixed Income as of September 30, 2022

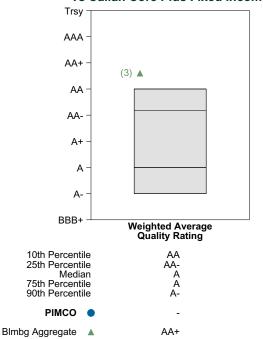


Sector Allocation and Quality Ratings

The first graph compares the manager's sector allocation with the average allocation across all the members of the manager's style. The second graph compares the manager's weighted average quality rating with the range of quality ratings for the style.



Quality Ratings vs Callan Core Plus Fixed Income





Infrastructure

IFM Global Infrastructure Period Ended September 30, 2022

Investment Philosophy

IFM Investors believes a professionally managed portfolio of infrastructure assets can provide long-term institutional investors with significant benefits: diversification, earnings stability, participation in economic growth, protection from inflation and portfolio risk management. Infrastructure assets also allow investors to match their long-term liabilities with long-term investments.

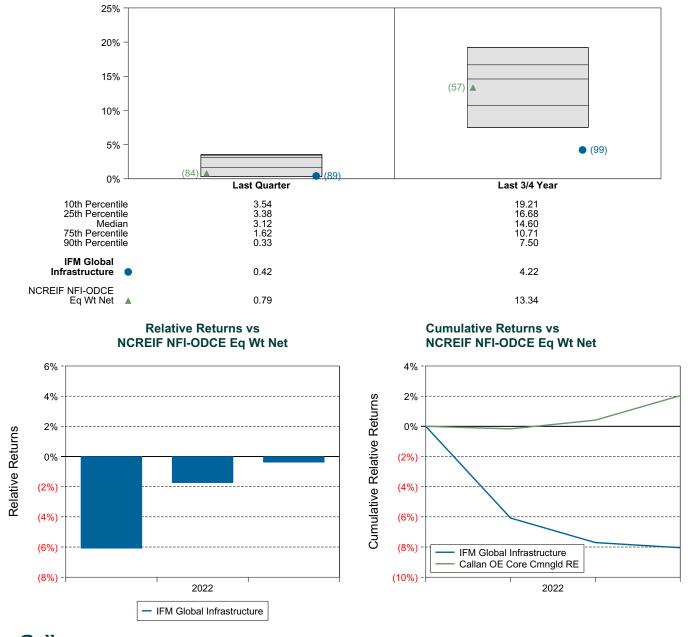
Quarterly Summary and Highlights

- IFM Global Infrastructure's portfolio posted a 0.42% return for the quarter placing it in the 89 percentile of the Callan Open End Core Cmmingled Real Est group for the quarter and in the 99 percentile for the last three-quarter year.
- IFM Global Infrastructure's portfolio underperformed the NCREIF NFI-ODCE Eq Wt Net by 0.37% for the quarter and underperformed the NCREIF NFI-ODCE Eq Wt Net for the three-quarter year by 9.12%.

Quarterly	Asset	Growth	
-----------	-------	--------	--

Beginning Market Value	\$17,955,086
Net New Investment	\$0
Investment Gains/(Losses)	\$74,876
Ending Market Value	\$18,029,962





JP Morgan Infrastructure Period Ended September 30, 2022

Investment Philosophy

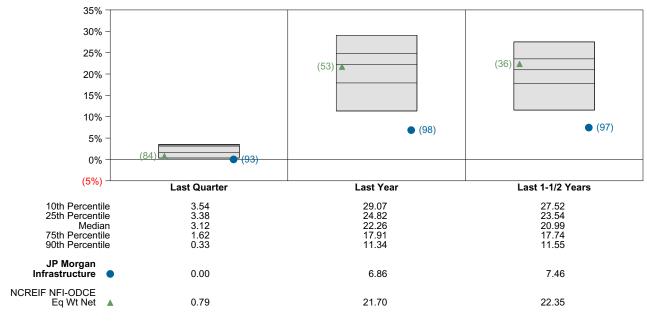
The JPMorgan Infrastructure Investments Fund ("IIF") looks to add value through its ability to build upon existing investments and de-risk future investments without the constraint of multiple fund vintage conflicts. In addition, as an open-end fund, IIF focuses on driving sustained operational improvements and efficiencies as well as long-term value. Short-term improvements and exit timing largely dependent upon market conditions, are not priorities.

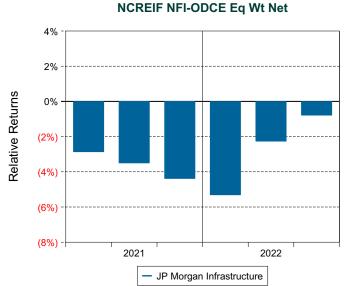
Quarterly Summary and Highlights

- JP Morgan Infrastructure's portfolio posted a 0.00% return for the quarter placing it in the 93 percentile of the Callan Open End Core Cmmingled Real Est group for the quarter and in the 98 percentile for the last year.
- JP Morgan Infrastructure's portfolio underperformed the NCREIF NFI-ODCE Eq Wt Net by 0.79% for the quarter and underperformed the NCREIF NFI-ODCE Eq Wt Net for the year by 14.84%.

Quarterly Asset Growth		
Beginning Market Value	\$18,070,098	
Net New Investment	\$0	
Investment Gains/(Losses)	\$0	
Ending Market Value	\$18,070,098	

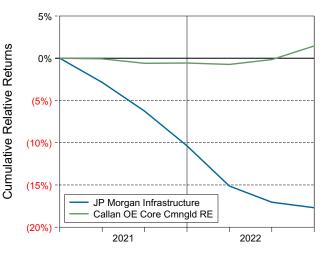






Relative Returns vs CREIF NFI-ODCE Eq Wt Net

Cumulative Returns vs NCREIF NFI-ODCE Eq Wt Net



Real Estate

Real Estate Composite Period Ended September 30, 2022

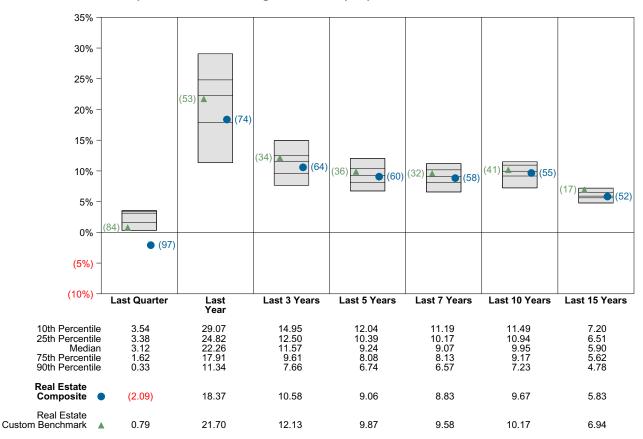
Quarterly Summary and Highlights

- Real Estate Composite's portfolio posted a (2.09)% return for the quarter placing it in the 97 percentile of the Callan Open End Core Cmmingled Real Est group for the quarter and in the 74 percentile for the last year.
- Real Estate Composite's portfolio underperformed the Real Estate Custom Benchmark by 2.88% for the quarter and underperformed the Real Estate Custom Benchmark for the year by 3.34%.

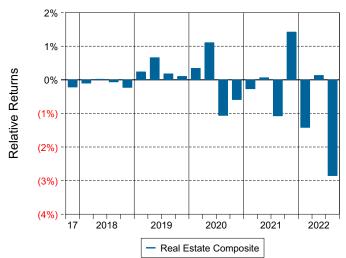
Performance vs Callan Open End Core Cmmingled Real Est (Net)

Quarterly Asset Growth

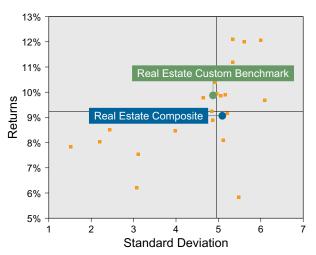
Beginning Market Value	\$94,426,197
Net New Investment	\$450,000
Investment Gains/(Losses)	\$-1,978,508
Ending Market Value	\$92,897,689







Callan Open End Core Cmmingled Real Est (Net) Annualized Five Year Risk vs Return



RREEF Private Period Ended September 30, 2022

Investment Philosophy

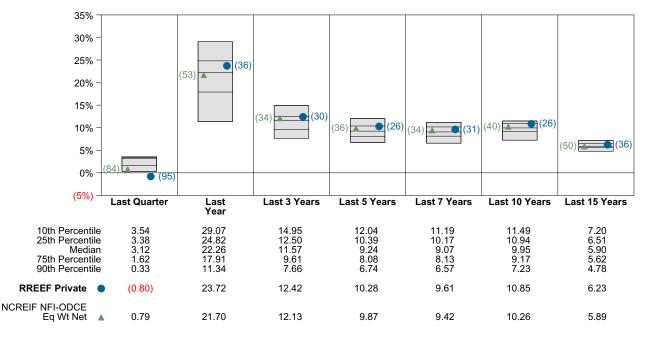
RREEF America II acquires 100 percent equity interests in small- to medium-sized (\$10 million to \$70 million) apartment, industrial, retail and office properties in targeted metropolitan areas within the continental United States. The fund capitalizes on RREEF's national research capabilities and market presence to identify superior investment opportunities in major metropolitan areas across the United States.

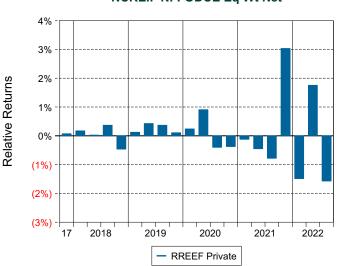
Quarterly Summary and Highlights

- RREEF Private's portfolio posted a (0.80)% return for the quarter placing it in the 95 percentile of the Callan Open End Core Cmmingled Real Est group for the quarter and in the 36 percentile for the last year.
- RREEF Private's portfolio underperformed the NCREIF NFI-ODCE Eq Wt Net by 1.59% for the quarter and outperformed the NCREIF NFI-ODCE Eq Wt Net for the year by 2.02%.

Quarterly Asset Growth		
Beginning Market Value	\$47,626,706	
Net New Investment	\$450,000	
Investment Gains/(Losses)	\$-382,321	
Ending Market Value	\$47,694,385	

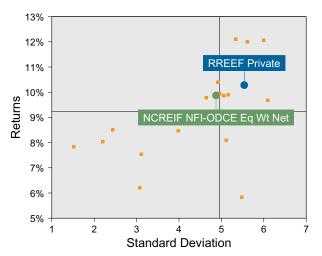






Relative Returns vs NCREIF NFI-ODCE Eq Wt Net

Callan Open End Core Cmmingled Real Est (Net) Annualized Five Year Risk vs Return



Barings Core Property Fund Period Ended September 30, 2022

Investment Philosophy

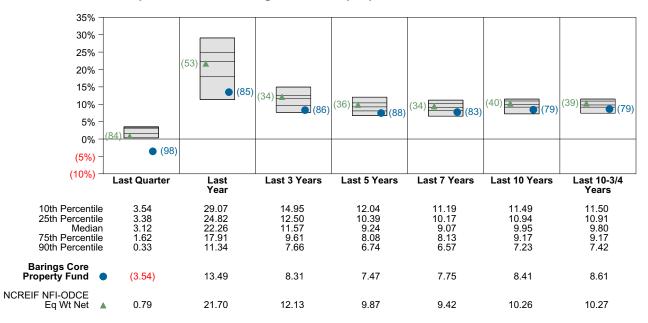
Barings believes that the investment strategy for the Core Property Fund is unique with the goal of achieving returns in excess of the benchmark index, the NFI-ODCE Index, with a level of risk associated with a core fund. The construct of the Fund relies heavily on input from Barings Research, which provided the fundamentals for the investment strategy. Strategic targets and fund exposure which differentiate the Fund from its competitors with respect to both its geographic and property type weightings, and we believe will result in performance in excess of industry benchmarks over the long-term.

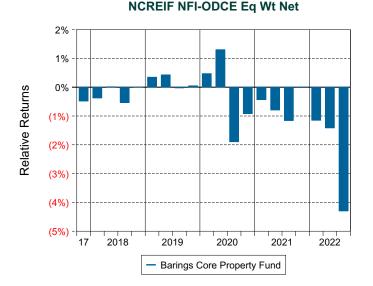
Quarterly Summary and Highlights

- Barings Core Property Fund's portfolio posted a (3.54)% return for the quarter placing it in the 98 percentile of the Callan Open End Core Cmmingled Real Est group for the quarter and in the 85 percentile for the last year.
- Barings Core Property Fund's portfolio underperformed the NCREIF NFI-ODCE Eq Wt Net by 4.33% for the quarter and underperformed the NCREIF NFI-ODCE Eq Wt Net for the year by 8.22%.

Quarterly Asset Growth		
Beginning Market Value	\$45,049,491	
Net New Investment	\$0	
Investment Gains/(Losses)	\$-1,596,187	
Ending Market Value	\$43,453,304	

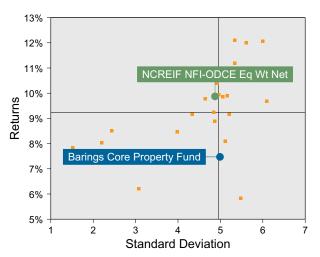
Performance vs Callan Open End Core Cmmingled Real Est (Net)





Relative Returns vs

Callan Open End Core Cmmingled Real Est (Net) Annualized Five Year Risk vs Return



Capital Markets Review

U.S. EQUITY

Worst three-quarter start to year in decades

- The S&P 500 Index fell 4.9% in 3Q22; all major U.S. indices across styles and market cap ranges were negative except for the Russell 2000 Growth Index, which gained 0.24%.
- During the quarter, all sectors posted negative returns except for Energy (+2%) and Consumer Discretionary (+4%). The return for Consumer Discretionary was aided by an exceptional July when the sector was up more than 18%. Returns for Real Estate and Communication Services were the worst, down 11% and 13%, respectively.
- Small cap (Russell 2000) outpaced large cap (Russell 1000) and growth outperformed value during the quarter, a reversal from previous quarters this year.
- Continued concerns around inflation and a potential recession, along with geopolitical headlines, contributed to a volatile and risk-averse environment.

More market difficulties; no place to hide

- The pullback of the U.S. equity markets was reminiscent of other periods marked by bearish sentiment, such as 2008 (Global Financial Crisis) and 2020 (start of pandemic).
- High inflation and interest rates continued to pressure the markets. While some inflationary data (particularly around energy) seemed to soften, other data points around food, shelter, and services remained elevated.
- U.S. equity did not provide a safe haven for investors. Like most other asset classes, it has not generated YTD gains and continues to be overshadowed by the outsized outperformance of commodities.

'Relief rally' but not for active managers

- The market experienced a "relief rally" in late June to August based on optimism that inflation had peaked, lessening the urgency for continued rate hikes.
- The rally was marked by a rebound of cyclical growth companies, and unprofitable companies outperformed profitable companies by wide margins across caps. Active managers underperformed significantly during this period.

e U.S. Equity: One-Year Returns U.S. Equity: One-Year Returns U.S. Equity: One-Year Returns Russell 3000 -17.6% Russell 1000 -17.2% Russell 1000 Growth -22.6%

S&P 500

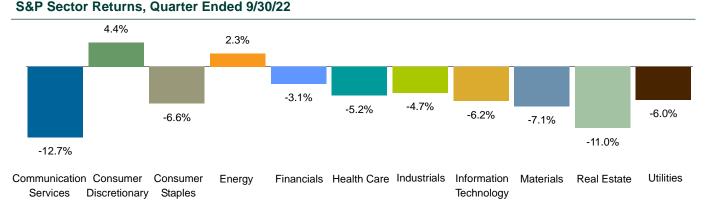
Russell Midcap

Russell 2500

Russell 2000

Russell 1000 Value

Sources: FTSE Russell, S&P Dow Jones Indices



Source: S&P Dow Jones Indices



U.S. Equity: Quarterly Returns

-4.5%

-4.6%

-5.6%

-4.9%

-3.6%

-3.4%

-2.8%

-11.4%

-15.5%

-19.4%

-21.1%

-23.5%

-2.29

Russell 3000

Russell 1000

S&P 500

Russell Midcap

Russell 2500

Russell 2000

Russell 1000 Growth

Russell 1000 Value

GLOBAL EQUITY

Market turmoil around the world

 Global and global ex-U.S. equity markets waned for three straight quarters due to inflation, rising rates, and fears of global recession.

Geopolitical and macro factors plague market

- Political instability in Italy and the U.K. as a result of prime minister departures weighed on the market.
- U.K. equities lost confidence as its newly elected prime minister Liz Truss announced her economic policy.
- China's COVID-19 lockdowns and growing concerns around the property sector sapped sentiment and economic activity.

Growth vs. value switch places globally

- Growth outpaced value in developed markets but lagged value in emerging markets.
- Rate-sensitive sectors in developed markets (e.g., Communication Services and Real Estate) were challenged given the tightening cycle by global central banks.
- The profitability of Chinese internet companies has compressed due to lockdowns and regulation, and a cyclical downturn in electronics weakened Taiwan and Korean semiconductors.

U.S. dollar vs. other currencies

- Growth and the interest rate differential as well as its safehaven status fueled the U.S. dollar to its highest level in decades.
- The dollar gained vs. the euro and the yen by about 6%.

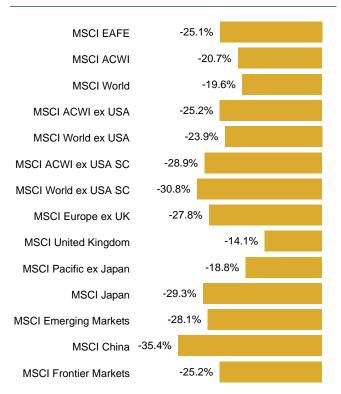
The case for global ex-U.S. equities

- Diversification: Global ex-U.S. equities remain a good diversifier to other public markets investments.
- Valuations/Yield: Valuation of U.S. stocks took off after the Global Financial Crisis (GFC); many of the tailwinds have dissipated—rates, inflation, and liquidity.
- Developed ex-U.S. stocks continue to be undervalued and currently provide a 1.6% yield premium to U.S. stocks (MSCI EAFE 3.5% vs. S&P 500 1.9%).
- Economic exposure: Emerging market and developing economies' contribution to global GDP has increased while advanced economies' share has steadily decreased since the GFC.
- U.S. companies do not provide significant exposure to non-U.S. economies

Global Equity: Quarterly Returns

MSCI EAFE		-9.4%
MSCI ACWI		-6.8%
MSCI World		-6.2%
MSCI ACWI ex USA		-9.9%
MSCI World ex USA		-9.2%
MSCI ACWI ex USA SC		-8.4%
MSCI World ex USA SC		-9.5%
MSCI Europe ex UK		-9.9%
MSCI United Kingdom		-10.8%
MSCI Pacific ex Japan		-8.8%
MSCI Japan		-7.7%
MSCI Emerging Markets		-11.6%
MSCI China	-22.5%	
MSCI Frontier Markets		-6.5%

Global Equity: One-Year Returns



Source: MSCI



U.S. FIXED INCOME

Bonds hit hard as rates rose sharply (again)

- Bloomberg US Aggregate saw its worst nine-month return in its history—as did trailing 1-, 3-, 5- and 10-year returns!
- 10-year annualized return for Aggregate is a mere 0.9%.
- Yield curve inverted at quarter-end; 10-year at 3.83% and 2year at 4.22%
- 10-year at 4% briefly in late September; first time since 2009
- TIPS underperformed nominal Treasuries, and 10-year breakeven spreads fell to 2.11% from 2.33% as of 6/30/22.
- Fed raised rates by 150 bps during the quarter, bringing target to 3.0% to 3.25%.
- Median expectation from Fed is 4.4% at year-end and 4.6% at the end of 2023.
- Longer-term expectations are much lower.
- Volatility climbed to levels not seen since early 2020.

Spread sectors underperformed

- Mortgages had worst month ever vs. like-duration U.S. Treasuries in September; underperformed by 169 bps for 3Q.
- Corporates also underperformed: 33 bps of excess return; Bloomberg Corporate Bond Index yield-to-worst 5.7%
- High yield fared better and loans posted a positive return.
- Bloomberg High Yield Corp yield-to-worst 9.7%

MUNICIPAL BONDS

Municipal bond returns hurt by rising rates

- Lower quality continued to underperform.
- BBB: -4.1%; AAA: -3.5% (YTD BBB: -14.9%; AAA: -11.7%)

Valuations relative to U.S. Treasuries at fair value

- 10-year AAA Muni/10-year U.S. Treasury yield ratio roughly 87%; in line with 10-year average
- Municipal Bond Index after-tax yield = 6.8% (source: Morgan Stanley)

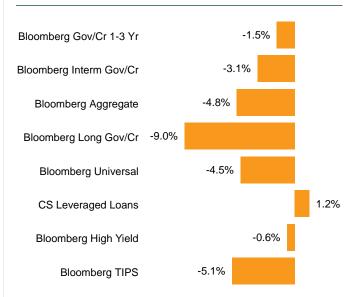
Supply/demand

- Outflows of \$91.5 billion YTD—highest cycle outflow since data series began in 1992
- YTD issuance down 14% vs. last year

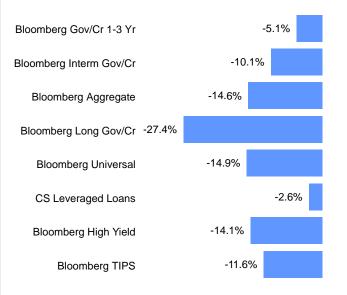
Credit quality remains stable to improving

- State revenues up more than 18% vs. 2021
- Number of defaults lower than 2021 and concentrated in senior living and industrial revenue bonds

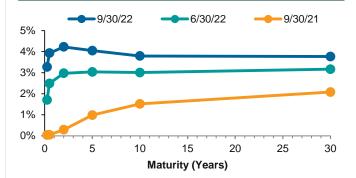
U.S. Fixed Income: Quarterly Returns



U.S. Fixed Income: One-Year Returns



U.S. Treasury Yield Curves



Sources: Bloomberg, Credit Suisse

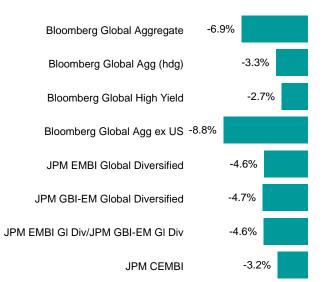


GLOBAL FIXED INCOME

Negative returns driven by broad interest rate increases

- U.S. dollar continued to appreciate vs. yen, euro, and pound
- Bank of Japan intervened to support currency for first time since 1998.
- Pound hit record low vs. U.S. dollar
- Double-digit negative returns were widespread across developed markets.
- U.K. government bonds were hard-hit on UK's "mini-budget" fiasco.
- ICE BofA U.K. Gilts Index -20.6% in 3Q
- Emerging market debt returns also sharply negative
- Most countries in the USD-denominated JPM EMBI Global Diversified Index posted negative returns, hurt by rising rates in the U.S.
- JPM GBI-EM Global Diversified also fell due largely to EM currency depreciation vs. the U.S. dollar.

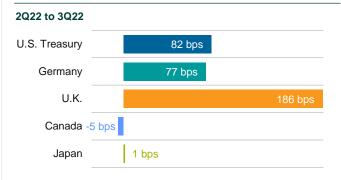
Global Fixed Income: Quarterly Returns



Global Fixed Income: One-Year Returns



Change in 10-Year Global Government Bond Yields



Sources: Bloomberg, JP Morgan

Callan Research/Education

Equity Market Indicators

The market indicators included in this report are regarded as measures of equity or fixed income performance results. The returns shown reflect both income and capital appreciation.

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

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

Russell 3000 Index is a composite of 3,000 of the largest U.S. companies by market capitalization. The smallest company's market capitalization is roughly \$20 million and the largest is \$72.5 billion. The index is capitalization-weighted.

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

Russell MidCap Value Index The Russell MidCap Value index contains those Russell MidCap securities with a less than average growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratio, higher dividend yields and lower forecasted growth values than the Growth universe.

Standard & Poor's 500 Index is designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries. The index is capitalization-weighted, with each stock weighted by its proportion of the total market value of all 500 issues. Thus, larger companies have a greater effect on the index.

Fixed Income Market Indicators

Bloomberg Aggregate is a combination of the Mortgage Backed Securities Index and the intermediate and long-term components of the Government/Credit Bond Index.

International Equity Market Indicators

MSCI ACWI ex US Index The MSCI ACWI ex US(All Country World Index) Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets, excluding the US. As of May 27, 2010 the MSCI ACWI consisted of 45 country indices comprising 24 developed and 21 emerging market country indices. The developed market country indices included are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, and the United Kingdom. The emerging market country indices included are: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Morocco, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey.

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

Real Estate Market Indicators

NCREIF Open Ended Diversified Core Equity The NFI-ODCE is an equally-weighted, net of fee, time-weighted return index with an inception date of December 31, 1977. Equally-weighting the funds shows what the results would be if all funds were treated equally, regardless of size. Open-end Funds are generally defined as infinite-life vehicles consisting of multiple investors who have the ability to enter or exit the fund on a periodic basis, subject to contribution and/or redemption requests, thereby providing a degree of potential investment liquidity. The term Diversified Core Equity style typically reflects lower risk investment strategies utilizing low leverage and generally represented by equity ownership positions in stable U.S. operating properties.

Callan Databases

In order to provide comparative investment results for use in evaluating a fund's performance, Callan gathers rate of return data from investment managers. These data are then grouped by type of assets managed and by the type of investment manager. Except for mutual funds, the results are for tax-exempt fund assets. The databases, excluding mutual funds, represent investment managers who handle over 80% of all tax-exempt fund assets.

Equity Funds

Equity funds concentrate their investments in common stocks and convertible securities. The funds included maintain well-diversified portfolios.

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

International Emerging Markets Equity - The International Emerging Market Equity Database consists of all separate account international equity products that concentrate on newly emerging second and third world countries in the regions of the Far East, Africa, Europe, and Central and South America.

Non-U.S. Equity A broad array of active managers who employ various strategies to invest assets in a well-diversified portfolio of non-U.S. equity securities. This group consists of all Core, Core Plus, Growth, and Value international products, as well as products using various mixtures of these strategies. Region-specific, index, emerging market, or small cap products are excluded.

Non-U.S. Equity Style Mutual Funds - Mutual funds that invest their assets only in non-U.S. equity securities but exclude regional and index funds.

Small Capitalization (Growth) - Mutual funds that invest in small capitalization companies that are expected to have above average prospects for long-term growth in earnings and profitability. Future growth prospects take precedence over valuation levels in the stock selection process. Invests in companies with P/E ratios, Price-to-Book values, and Growth-in-Earnings values above the broader market as well as the small capitalization market segment. The companies typically have zero dividends or dividend yields below the broader market. The securities exhibit greater volatility than the broader market as well as the small capitalization market segment as measured by the risk statistics beta and standard deviation.

Small Capitalization (Value) - Mutual funds that invest in small capitalization companies that are believed to be currently undervalued in the general market. Valuation issues take precedence over near-term earnings prospects in the stock selection process. The companies are expected to have a near-term earnings rebound and eventual realization of expected value. Invests in companies with P/E ratios, Return-on-Equity values, and Price-to-Book values below the broader market as well as the small capitalization market segment. The companies typically have dividend yields in the high range for the small capitalization market. Invests in securities with risk/reward profiles in the lower risk range of the small capitalization market.

Callan Databases

Fixed Income Funds

Fixed Income funds concentrate their investments in bonds, preferred stocks, and money market securities. The funds included maintain well-diversified portfolios.

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

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

Core Plus Bond - Active managers whose objective is to add value by tactically allocating significant portions of their portfolios among non-benchmark sectors (e.g. high yield corporate, non-US\$ bonds, etc.) while maintaining majority exposure similar to the broad market.

Real Estate Funds

Real estate funds consist of open or closed-end commingled funds. The returns are net of fees and represent the overall performance of commingled institutional capital invested in real estate properties.

Real Estate Open-End Commingled Funds - The Open-End Funds Database consists of all open-end commingled real estate funds.

Other Funds

Public - Total - consists of return and asset allocation information for public pension funds at the city, county and state level. The database is made up of Callan clients and non-clients.



Disclosures

Callan

List of Callan's Investment Manager Clients

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Manager Name	Manager Name
abrdn (Aberdeen Standard Investments)	Barings LLC
cadian Asset Management LLC	Baron Capital Management, Inc.
lams Street Partners, LLC	Barrow, Hanley, Mewhinney & Strauss, LLC
GON USA Investment Management Inc.	BentallGreenOak
nceBernstein	BlackRock
nz	Blackstone Group (The)
pring Global Investments	BNY Mellon Asset Management
erican Century Investments	Boston Partners
undi US, Inc.	Brandes Investment Partners, L.P.
res Capital LP	Brandywine Global Investment Management, LLC
Capital Management	Brookfield Asset Management Inc.
Management LLC	Brown Brothers Harriman & Company
el Investments, LLC	Capital Group
otle Capital Management, LLC	Carillon Tower Advisers
nta Capital Management Co., LLC	CastleArk Management, LLC
A Investment Managers	Chartwell Investment Partners
lie Gifford International, LLC	ClearBridge Investments, LLC
rd Advisors	Cohen & Steers Capital Management, Inc.

Manager Name	Manager
Columbia Threadneedle Investments North America	KeyCorp
Credit Suisse Asset Management, LLC	Lazard Ass
Crescent Capital Group LP	LGIM Amer
DePrince, Race & Zollo, Inc.	Lincoln Nat
Dimensional Fund Advisors L.P.	Longview P
Doubleline	Loomis, Sa
Duff & Phelps Investment Management Co.	Lord Abbet
DWS	LSV Asset
EARNEST Partners, LLC	MacKay Sh
Epoch Investment Partners, Inc.	Macquarie
Fayez Sarofim & Company	Manning &
Federated Hermes, Inc.	Manulife In
Fidelity Institutional Asset Management	Marathon A
Fiera Capital Corporation	McKinley C
First Hawaiian Bank Wealth Management Division	Mellon
First Sentier Investors	MetLife Invo
Fisher Investments	MFS Invest
Franklin Templeton	MidFirst Ba
Fred Alger Management, LLC	MLC Asset
GAM (USA) Inc.	Mondrian Ir
GlobeFlex Capital, L.P.	Montag & C
GoldenTree Asset Management, LP	Morgan Sta
Goldman Sachs	MUFG Unic
Golub Capital	Natixis Inve
Guggenheim Investments	Neuberger
GW&K Investment Management	Newton Inv
Harbor Capital Group Trust	Ninety One
Hardman Johnston Global Advisors LLC	Northern Tr
Heitman LLC	Nuveen
Hotchkis & Wiley Capital Management, LLC	P/E Investn
Impax Asset Management LLC	Pacific Inve
Income Research + Management	Pantheon V
Insight Investment	Parametric
Intech Investment Management LLC	Partners Gr
Intercontinental Real Estate Corporation	Pathway Ca
Invesco	Peregrine C
J.P. Morgan	PFM Asset
Janus	PGIM Fixed
Jennison Associates LLC	PGIM Quar
Jobs Peak Advisors	Pictet Asse

Manager Name
KeyCorp
Lazard Asset Management
LGIM America
Lincoln National Corporation
Longview Partners
Loomis, Sayles & Company, L.P.
Lord Abbett & Company
LSV Asset Management
MacKay Shields LLC
Macquarie Asset Management
Manning & Napier Advisors, LLC
Manulife Investment Management
Marathon Asset Management, L.P.
McKinley Capital Management, LLC
Mellon
MetLife Investment Management
MFS Investment Management
MidFirst Bank
MLC Asset Management
Mondrian Investment Partners Limited
Montag & Caldwell, LLC
Morgan Stanley Investment Management
MUFG Union Bank, N.A.
Natixis Investment Managers
Neuberger Berman
Newton Investment Management
Ninety One North America, Inc.
Northern Trust Asset Management
Nuveen
P/E Investments
Pacific Investment Management Company
Pantheon Ventures
Parametric Portfolio Associates LLC
Partners Group (USA) Inc.
Pathway Capital Management, LP
Peregrine Capital Management, LLC
PFM Asset Management LLC
PGIM Fixed Income
PGIM Quantitative Solutions LLC
Pictet Asset Management

Manager Name

PineBridge Investments

Polen Capital Management, LLC

Principal Global Investors

Putnam Investments, LLC

Raymond James Investment Management

RBC Global Asset Management

Regions Financial Corporation

Richard Bernstein Advisors LLC

Robeco Institutional Asset Management, US Inc.

Rothschild & Co. Asset Management US

S&P Dow Jones Indices

Schroder Investment Management North America Inc.

Segall Bryant & Hamill

SLC Management

Smith Graham & Co. Investment Advisors, L.P.

State Street Global Advisors

Strategic Global Advisors, LLC

T. Rowe Price Associates, Inc.

Manager Name

The TCW Group, Inc.

Thompson, Siegel & Walmsley LLC

Thornburg Investment Management, Inc.

Tri-Star Trust Bank

UBS Asset Management

VanEck

Versus Capital Group

Victory Capital Management Inc.

Virtus Investment Partners, Inc.

Vontobel Asset Management

Voya

Walter Scott & Partners Limited

WCM Investment Management

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Westfield Capital Management Company, LP

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