



LACERS

LA CITY EMPLOYEES'
RETIREMENT SYSTEM

PORTFOLIO PERFORMANCE REVIEW

LOS ANGELES CITY EMPLOYEES'
RETIREMENT SYSTEM

QUARTER ENDING SEPTEMBER 30, 2024

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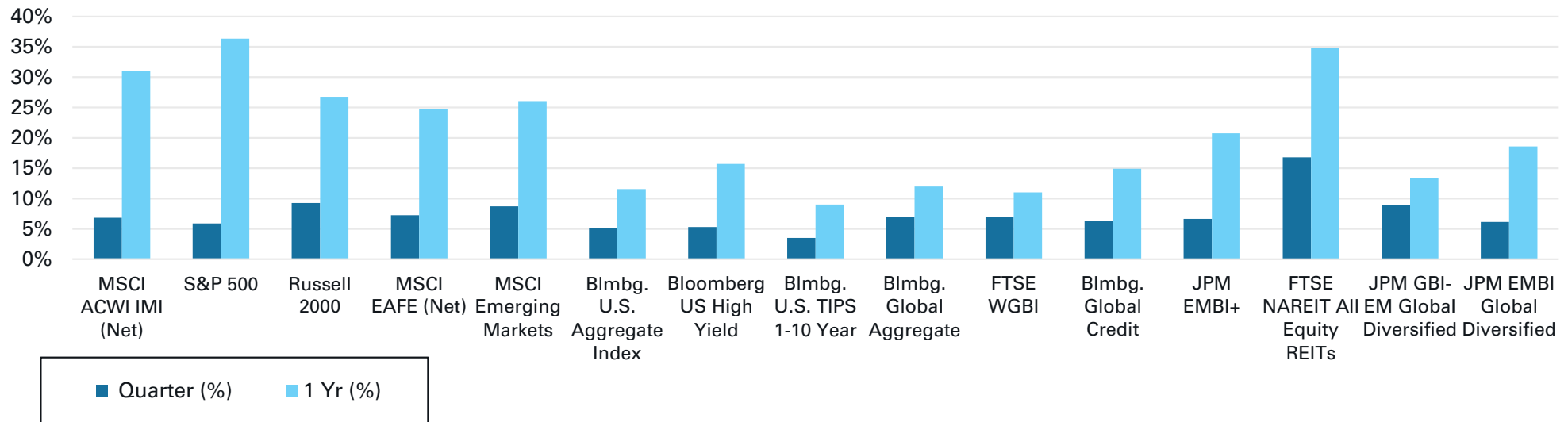
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EXECUTIVE SUMMARY

PERFORMANCE OVERVIEW

Market Summary – Q3



	Market Value (\$)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	15 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	24,929,502,422	5.6 (10)	9.9 (33)	17.6 (36)	4.1 (68)	8.3 (50)	7.6 (49)	7.5 (42)	8.6 (25)	8.2 (31)	Nov-94
<i>Policy Index</i>		<i>5.2 (15)</i>	<i>10.3 (26)</i>	<i>17.7 (31)</i>	<i>3.6 (81)</i>	<i>7.9 (62)</i>	<i>7.3 (54)</i>	<i>7.3 (47)</i>	<i>8.4 (47)</i>	<i>8.1 (43)</i>	
<i>InvMetrics Public DB \$5-50B Gross Median</i>		<i>4.2</i>	<i>9.5</i>	<i>15.7</i>	<i>5.0</i>	<i>8.3</i>	<i>7.5</i>	<i>7.2</i>	<i>8.2</i>	<i>7.9</i>	

Note: Performance is gross of fees

Equities rallied in the third quarter as financials benefited from rising rates, and strong returns in industrials and healthcare.

The U.S. Equity composite outperformed its benchmark in the last quarter and underperformed for the one-year while the Non- US Equity composite underperformed its benchmark on the one-year and outperformed for the quarter.

Fixed-income markets continued to be volatile in the third quarter. The Fed Funds rate was cut by 50 basis points, treasury yields continued to be volatile, and credit spreads remained at the tight end of their ranges.

Core Fixed Income outperformed its respective benchmarks over the last quarter and one-year. Credit Opportunities outperformed its benchmark for the quarter and one-year.

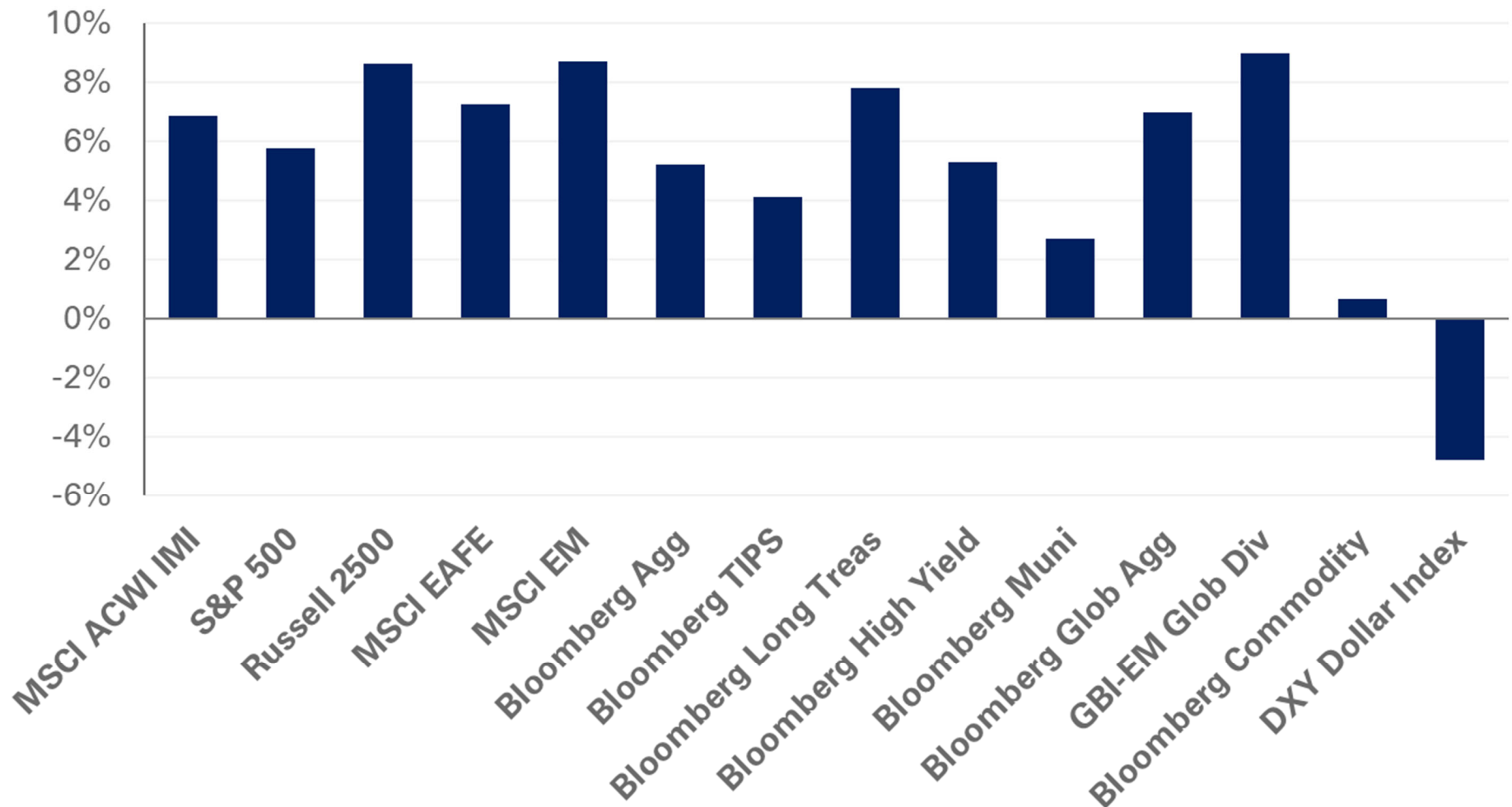




MARKET ENVIRONMENT

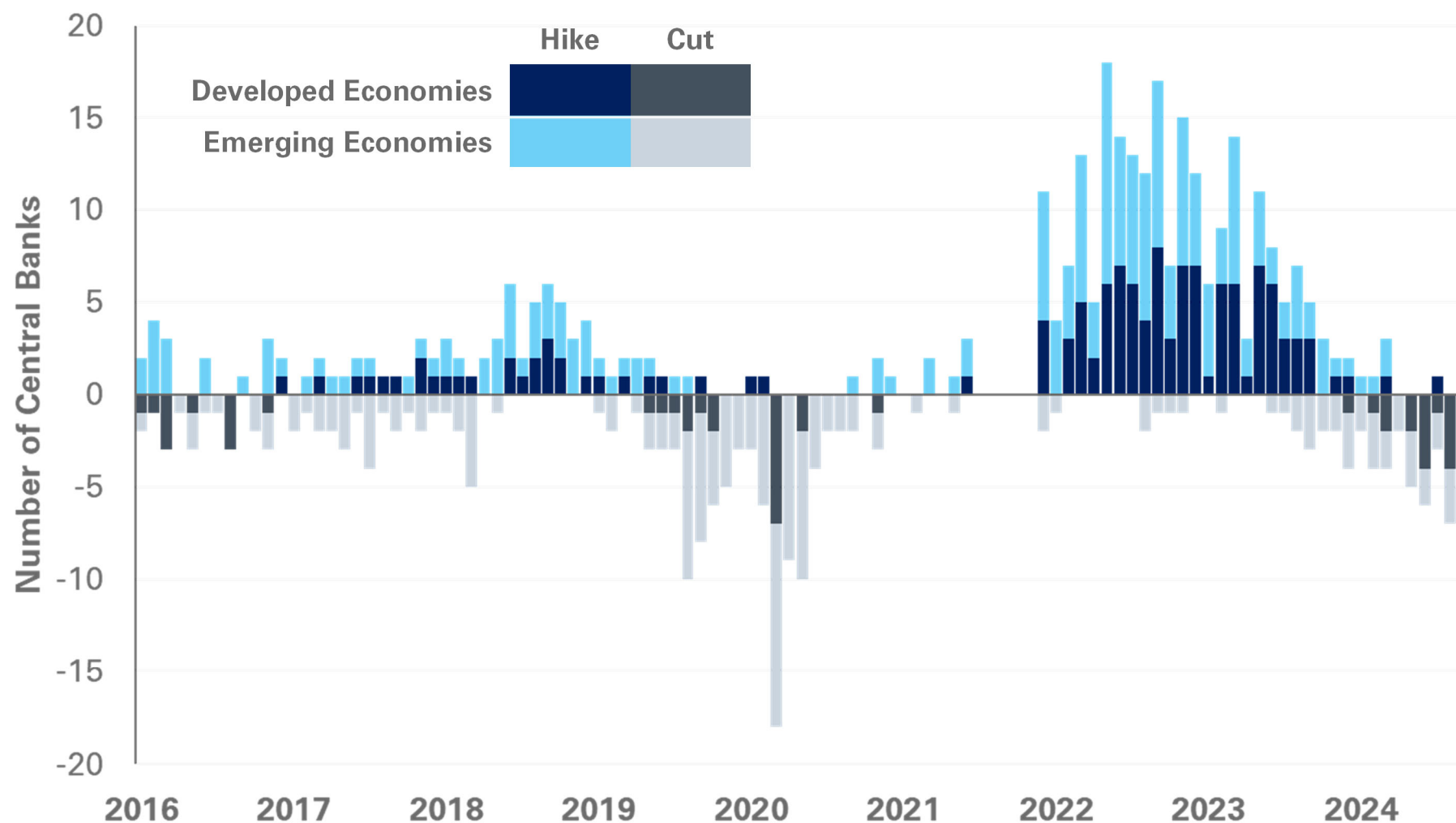
MARKETS BROADLY POSTED STRONG RETURNS

QUARTERLY TOTAL RETURNS



THE MONETARY POLICY BACKDROP IS EASING

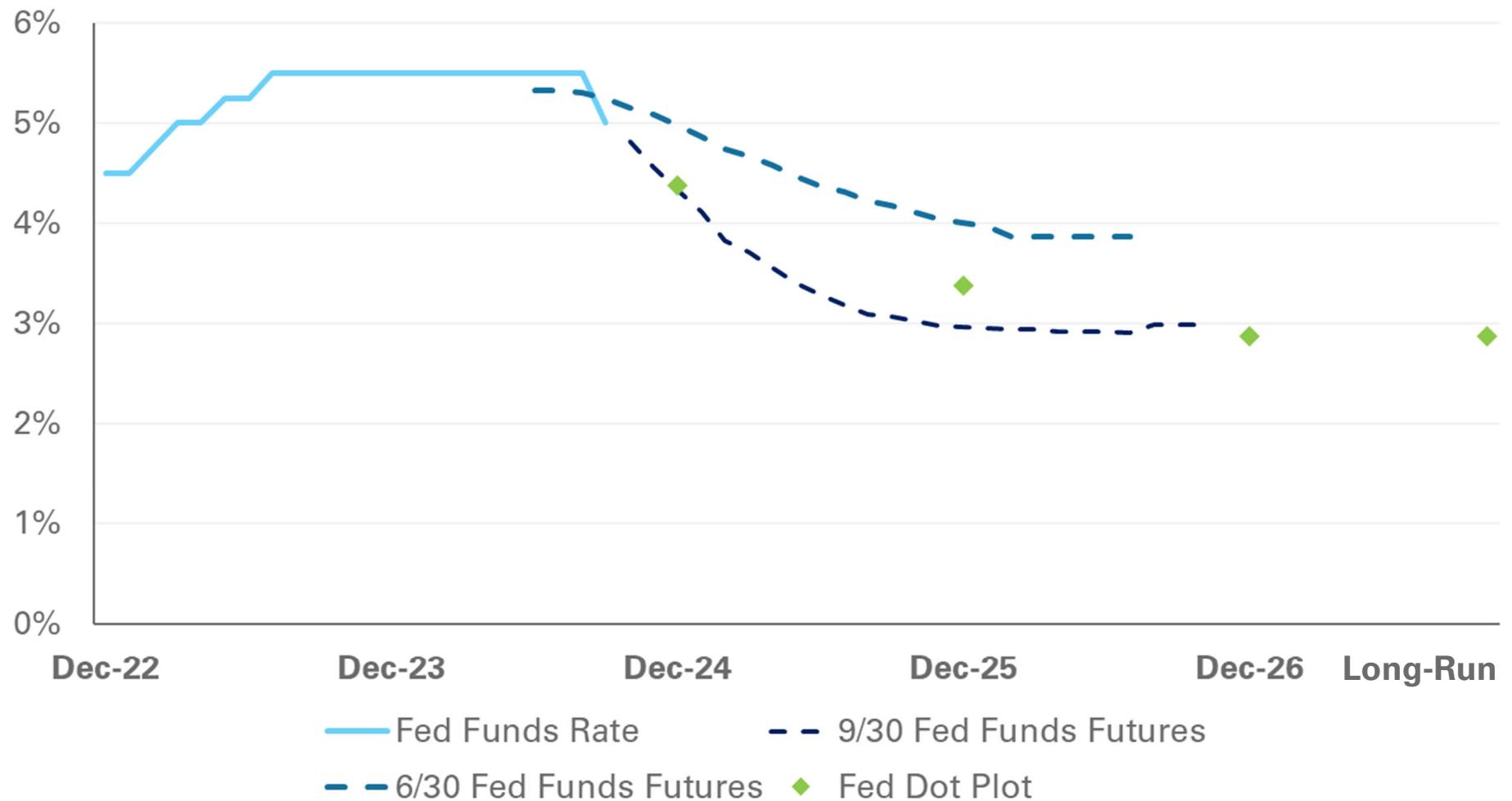
INTEREST RATE CHANGES BY GLOBAL CENTRAL BANKS



Notes: Developed Economies include Australia, Canada, countries governed by the European Central Bank, Japan, New Zealand, Norway, Sweden, Switzerland, United Kingdom, and the United States. Emerging Economies include Argentina, Brazil, Chile, China, Egypt, Ghana, India, Malaysia, Mexico, Pakistan, Peru, Philippines, South Africa, Thailand, and Turkey.
Source: FactSet

MARKETS EXPECT MORE CUTS TO COME

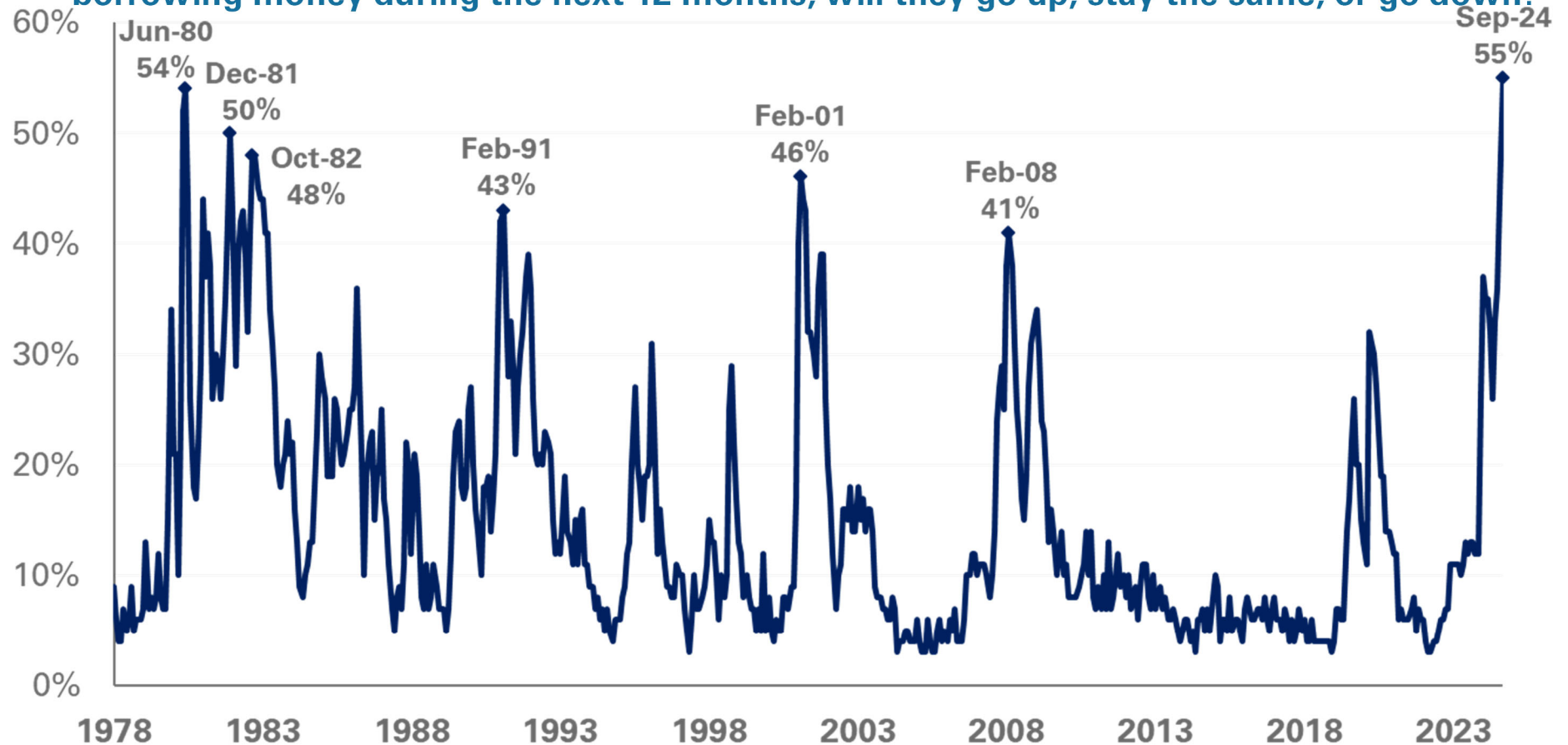
FED FUNDS RATE VERSUS MARKET RATE EXPECTATIONS



CONSUMERS REMAIN BIASED TO LOWER RATES

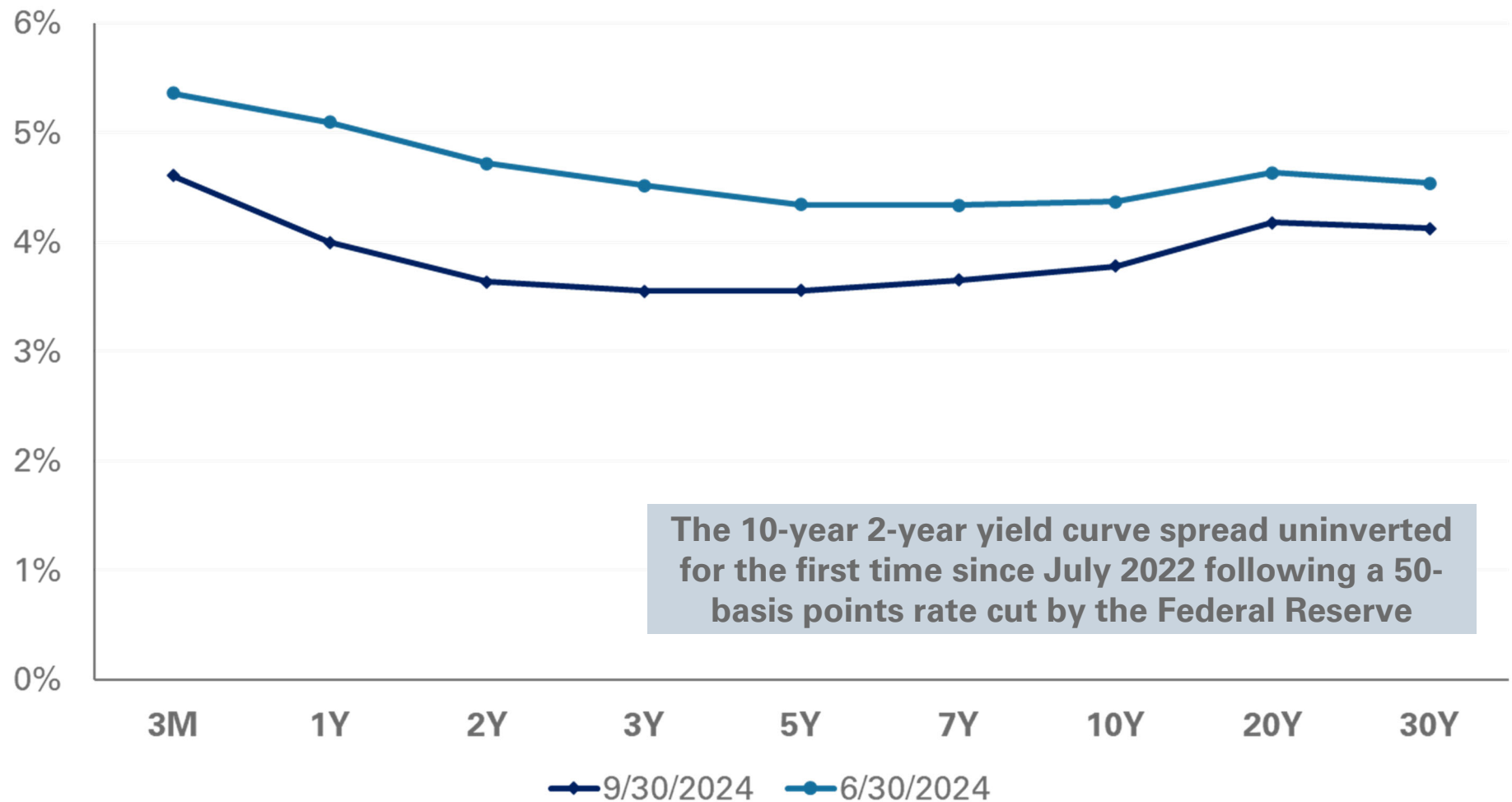
CONSUMERS EXPECTING RATES TO GO DOWN IN THE NEXT YEAR

Survey Question: "No one can say for sure, but what do you think will happen to interest rates for borrowing money during the next 12 months, will they go up, stay the same, or go down?"



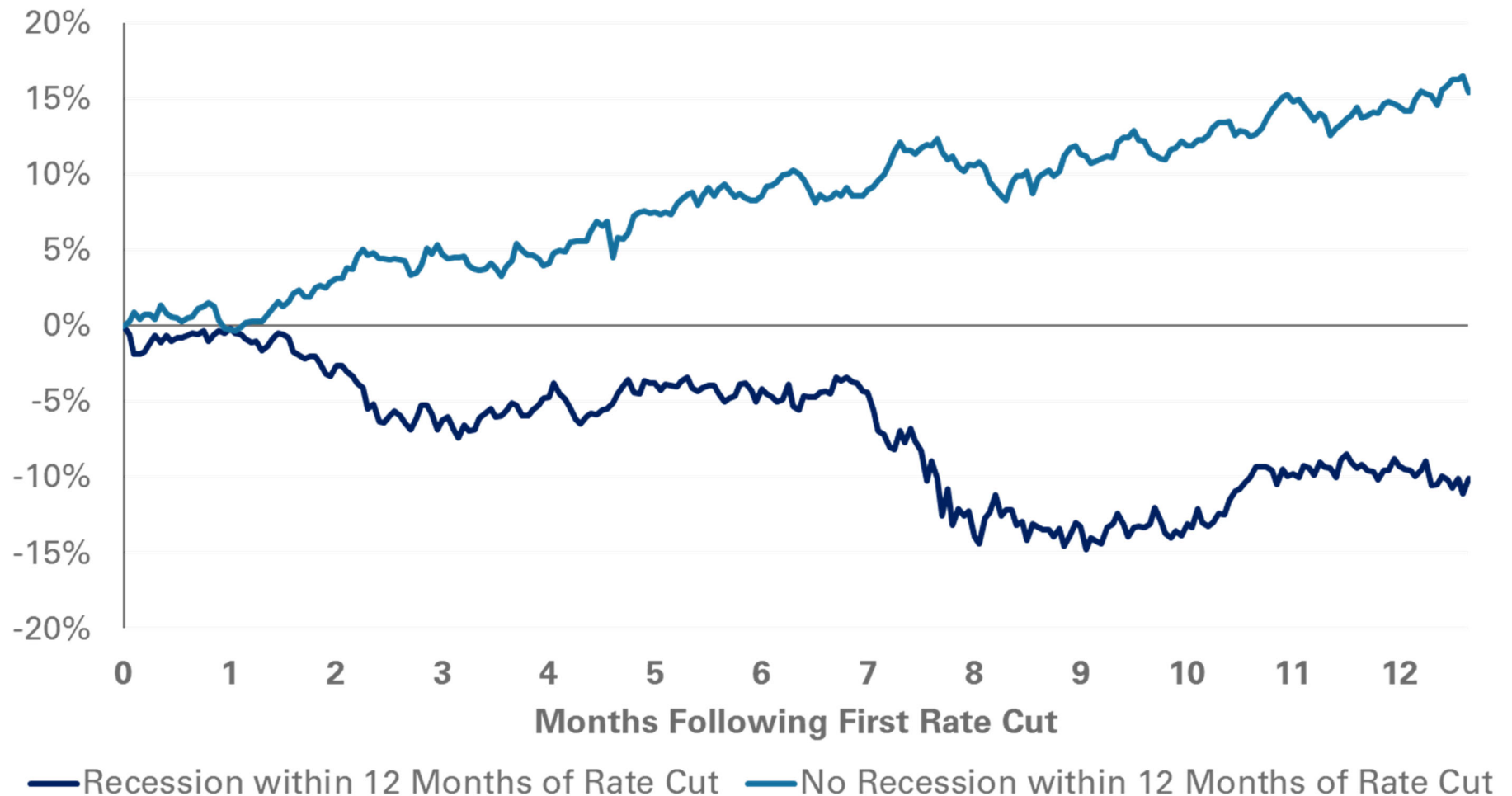
THE YIELD CURVE STEEPENED

U.S. TREASURY CURVE



THE RESILIENT BACKDROP CAN SUPPORT EQUITIES

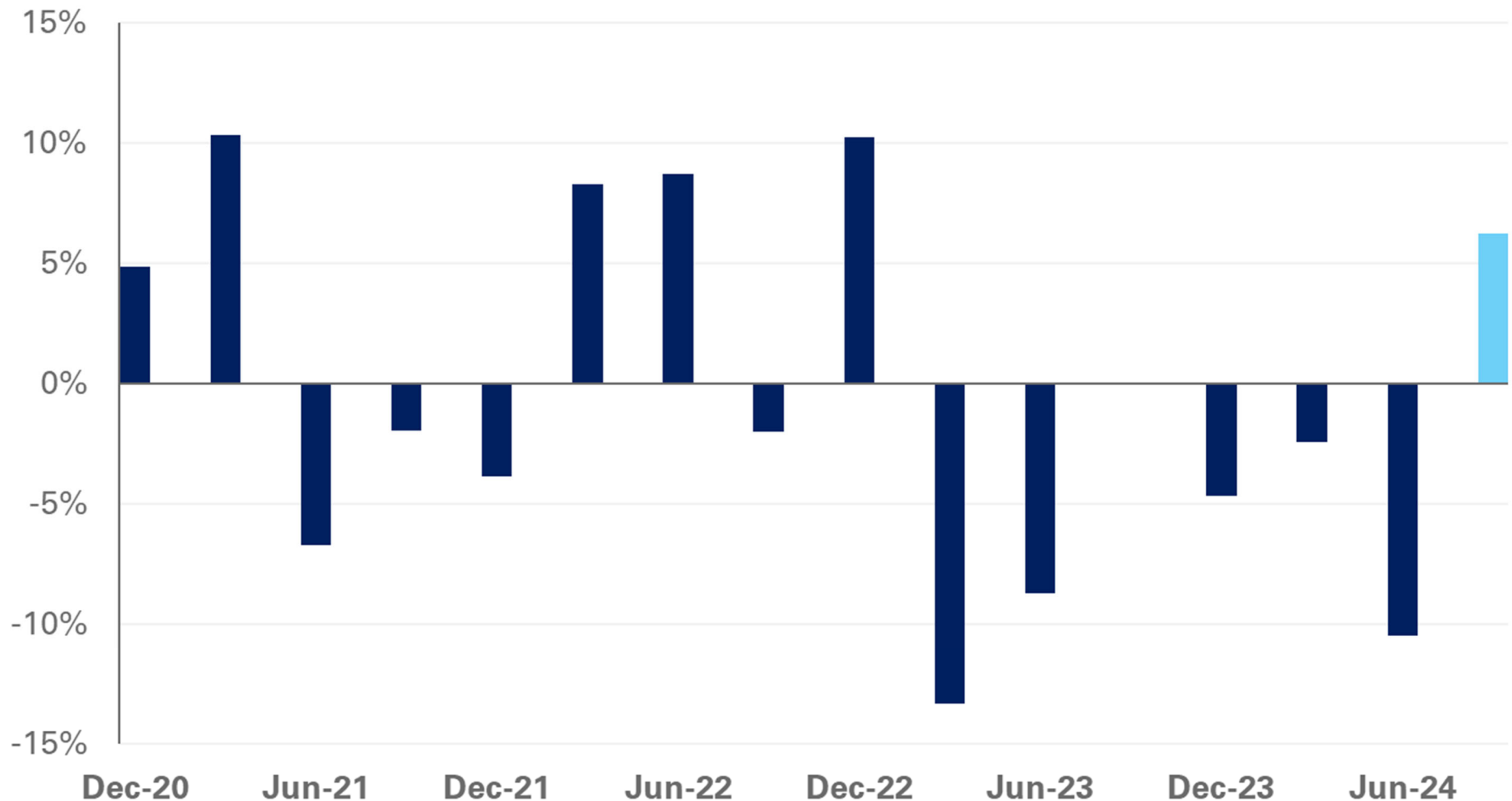
AVERAGE S&P 500 RETURNS FOLLOWING FIRST RATE CUT



Note: Reflects first rate cut following a Fed pause. Fed pause reflects periods where the Fed funds rate remain unchanged following a series of rate hikes.
Sources: S&P, NBER, FactSet, NEPC

THE EQUITY RALLY EXTENDED BEYOND THE MAG-7

QUARTERLY RETURNS FOR R1000 VALUE VERSUS R1000 GROWTH



Notes: Reflects quarterly return differential between the Russell 1000 Value and Russell 1000 Growth.
Sources: Russell, FactSet

CHINA UNVEILED STIMULUS, LIKELY MORE TO COME

KEY COMPONENTS OF CHINA'S STIMULUS ANNOUNCEMENTS

Monetary Policy

- **0.50%** cut to the banks' reserve requirement ratios (RRR)
 - **0.20%** cut to the 7-day reverse repurchase rate
 - Reduction of the medium-term lending facility and loan prime rates
-

Real Estate

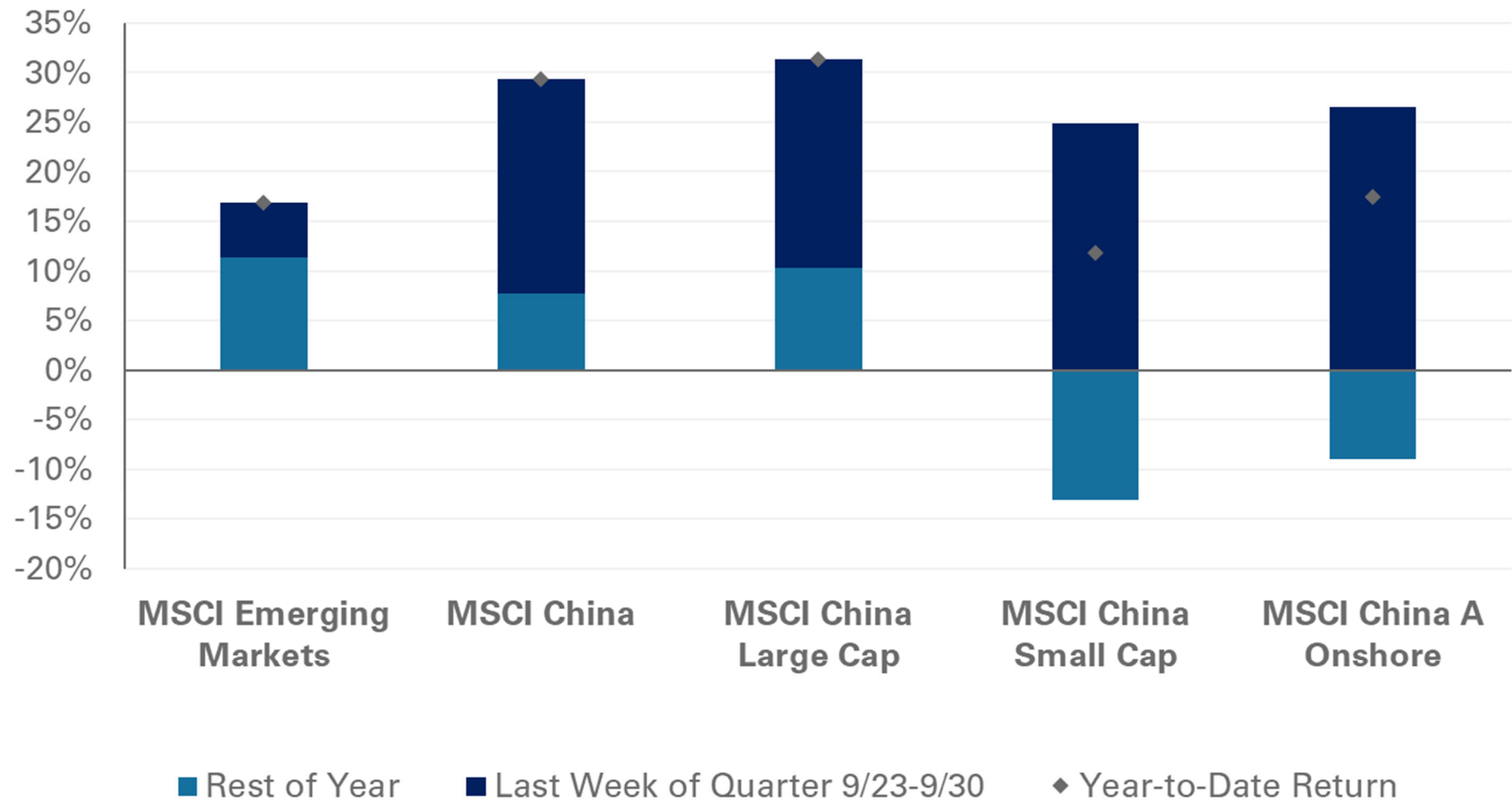
- **0.50%** cut to the interest rate on existing mortgages
 - Minimum down payment requirements on second home purchases reduced from **25% to 15%**
 - Additional support for the affordable housing program: re-lending loans can cover **100% (previously 60%)** of the loans issued by banks to purchase unsold homes from developers and convert into affordable housing
-

Capital Markets

- PBOC to inject liquidity for share buybacks
- Set up relending program for stock repurchases
- Institutional investors allowed to use stocks as collateral

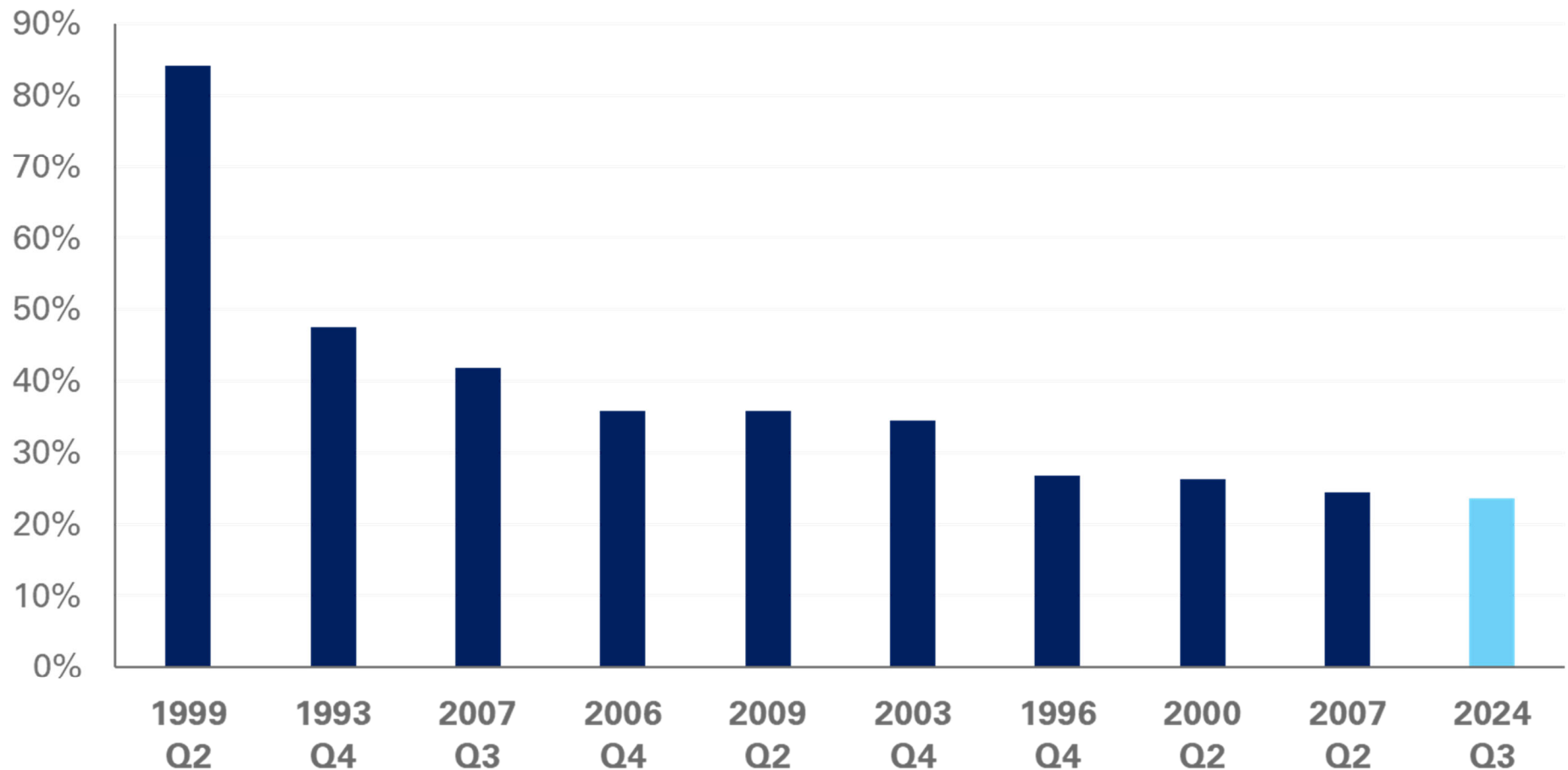
MARKETS WELCOMED THE STIMULUS NEWS

EM & CHINA EQUITY YEAR-TO-DATE TOTAL RETURNS



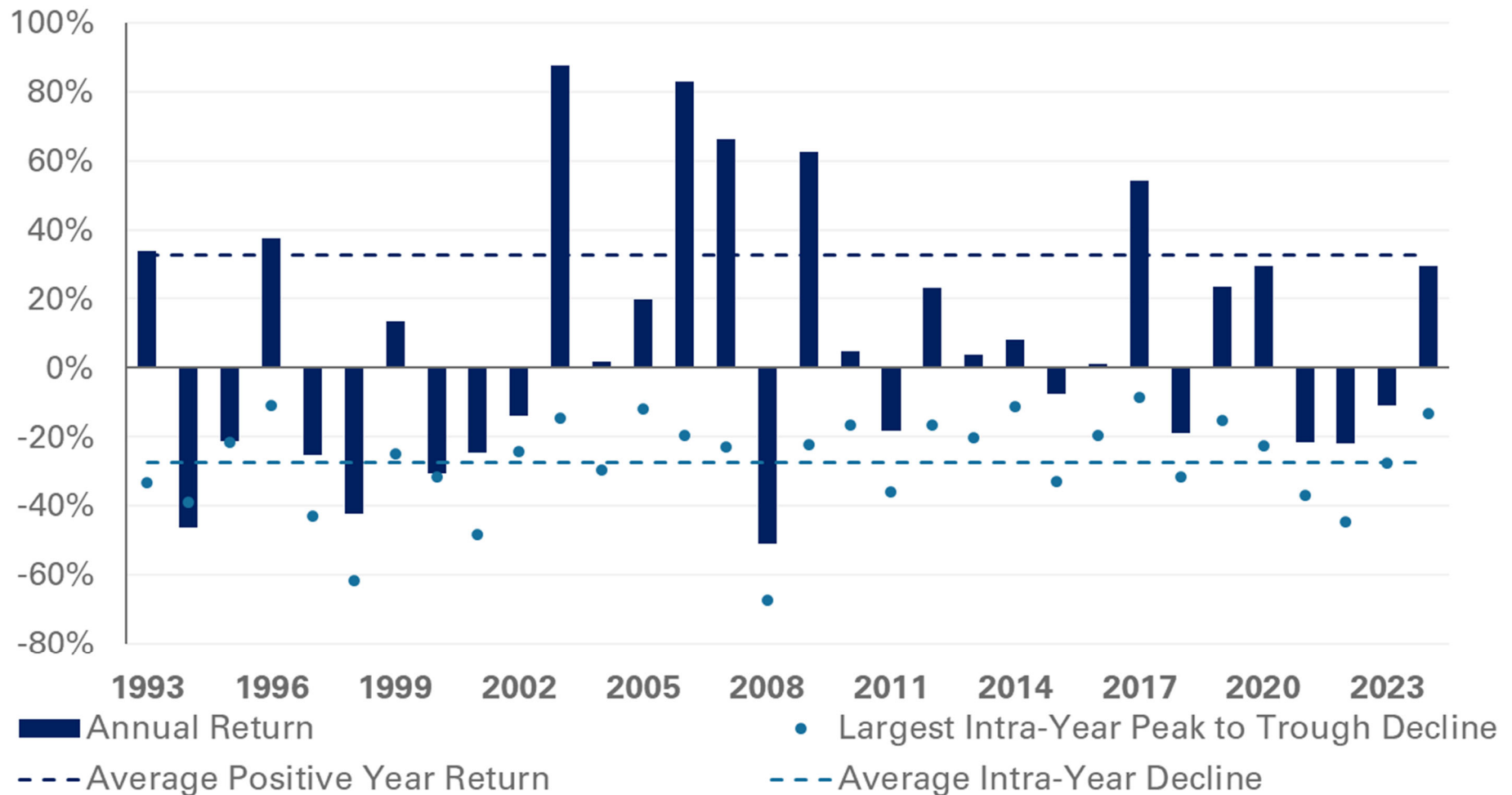
CHINA EQUITIES POSTED OUTSIZED RETURNS

TOP 10 QUARTERLY RETURNS FOR THE MSCI CHINA INDEX



VOLATILITY STILL A HALLMARK OF CHINA EQUITIES

MSCI CHINA ANNUAL TOTAL RETURN HISTORY

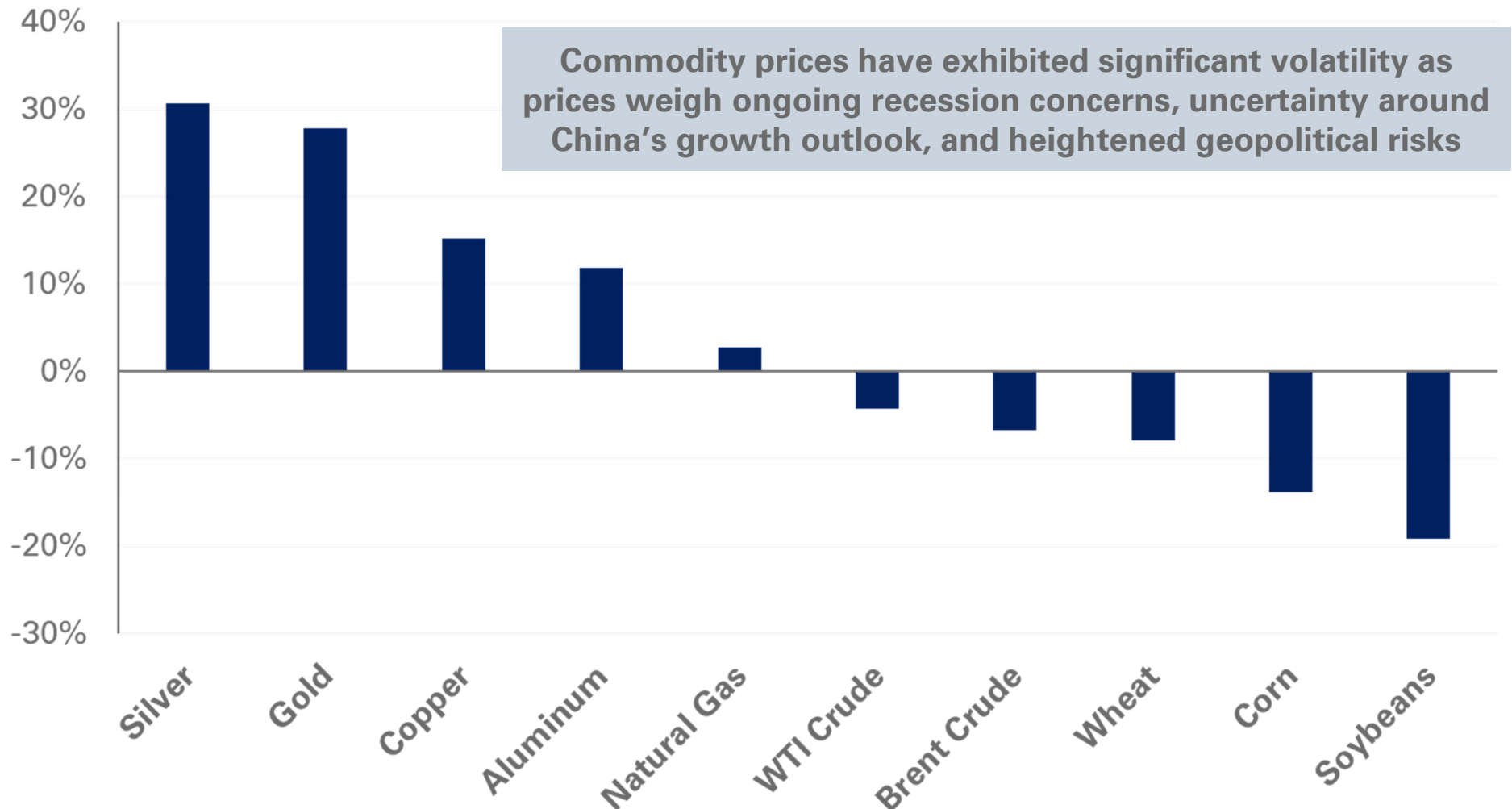


Note: 2024 reflects year-to-date total returns through September 30, 2024. Data reflects total returns in USD.

Sources: MSCI, FactSet, NEPC

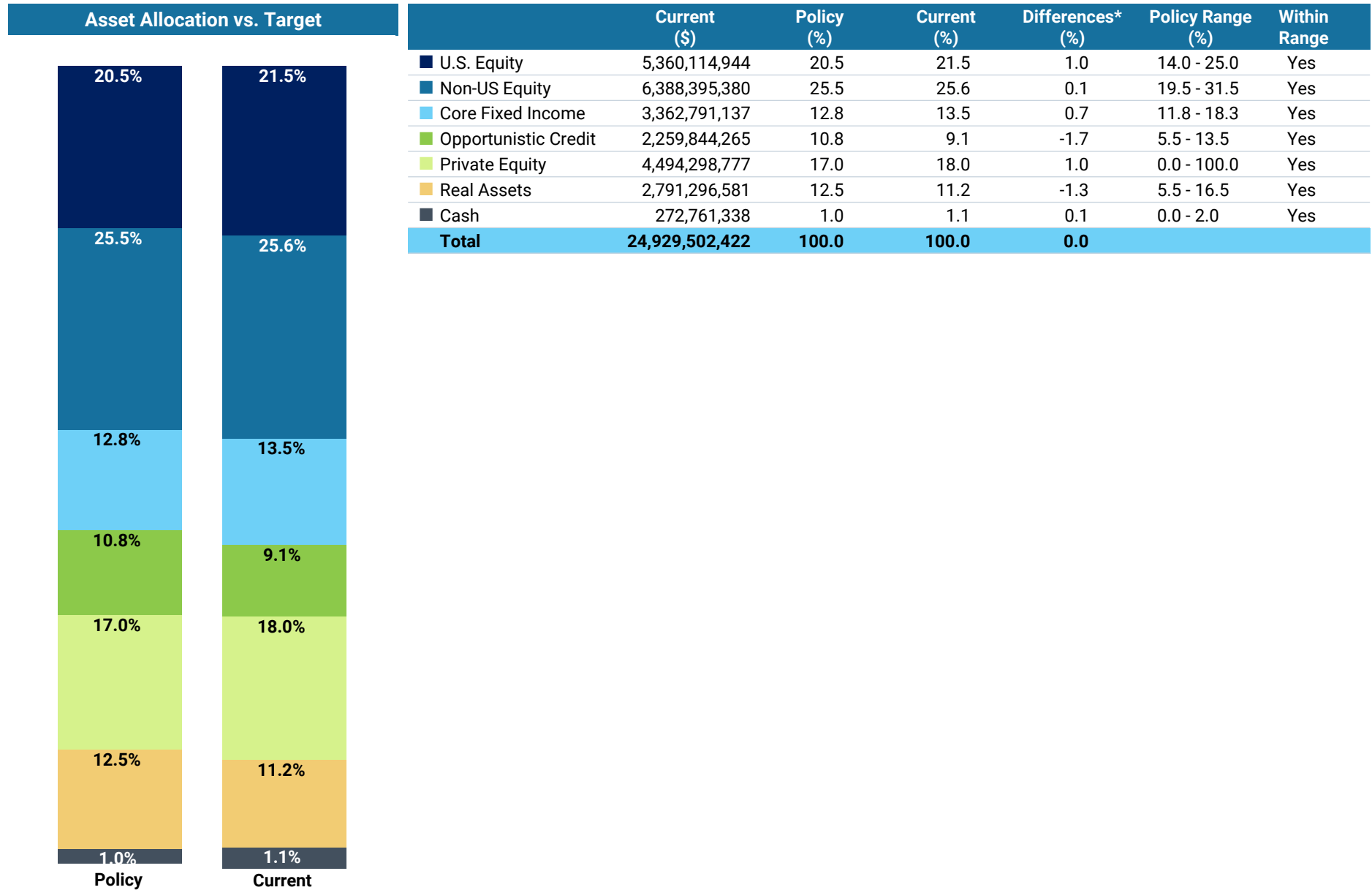
COMMODITY RETURN DISPERSION IS SIGNIFICANT

YEAR-TO-DATE COMMODITY PRICE RETURNS



ASSET CLASS POLICY OVERVIEW

ASSET ALLOCATION VS. POLICY



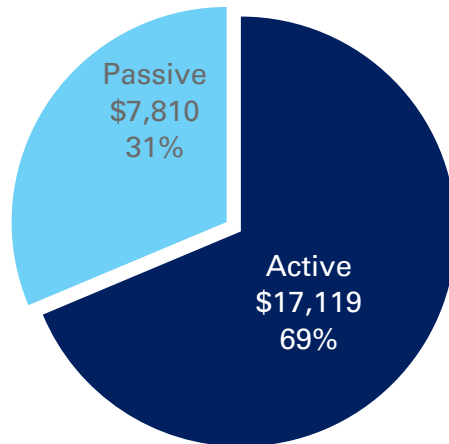
*Difference between Policy and Current Allocation

Note: Policy target asset allocation reflects interim asset allocation policy targets adopted July 2024.

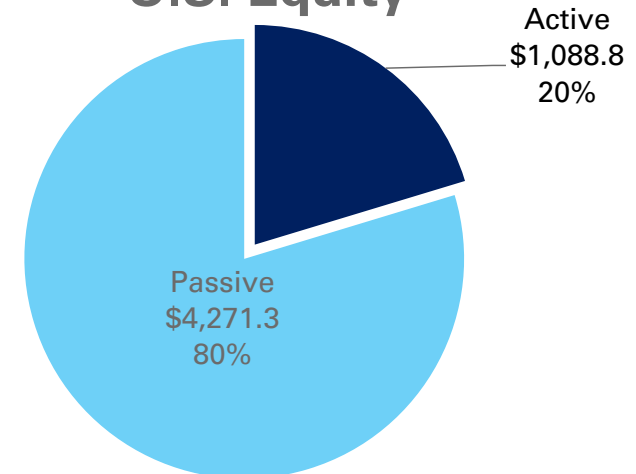
ACTIVE AND PASSIVE MANAGER BREAKDOWN

Note: Market values shown in millions \$(000).

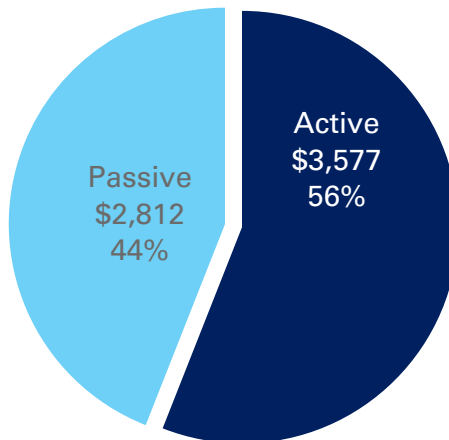
Total Fund



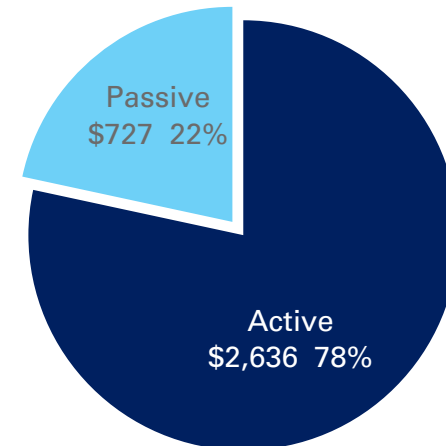
U.S. Equity



Non-U.S. Equity



Core Fixed Income



- LACERS allocated 69% to active managers and 31% to passive managers.
- Credit Opportunities, Private Equity, and Real Assets programs are active and therefore are not shown.



PERFORMANCE OVERVIEW

TOTAL FUND PERFORMANCE SUMMARY

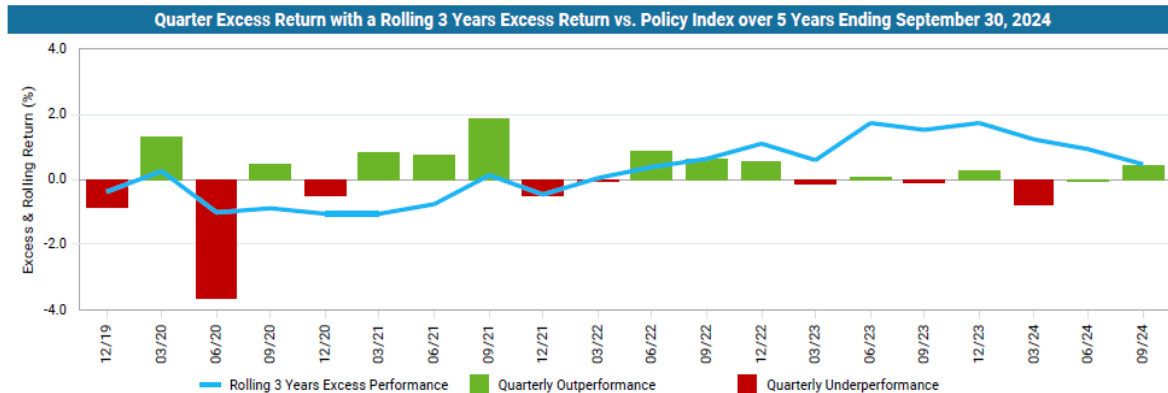
GROSS OF FEES

	Market Value (\$)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	15 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	24,929,502,422	5.6 (10)	9.9 (33)	17.6 (36)	4.1 (68)	8.3 (50)	7.6 (49)	7.5 (42)	8.6 (25)	8.2 (31)	Nov-94
<i>Policy Index</i>		<i>5.2 (15)</i>	<i>10.3 (26)</i>	<i>17.7 (31)</i>	<i>3.6 (81)</i>	<i>7.9 (62)</i>	<i>7.3 (54)</i>	<i>7.3 (47)</i>	<i>8.4 (47)</i>	<i>8.1 (43)</i>	
<i>InvMetrics Public DB \$5-50B Gross Median</i>		<i>4.2</i>	<i>9.5</i>	<i>15.7</i>	<i>5.0</i>	<i>8.3</i>	<i>7.5</i>	<i>7.2</i>	<i>8.2</i>	<i>7.9</i>	

Over the past five years the Fund return of 8.3% outperformed the policy index by 0.3% and ranked in the 50th percentile within the Public Funds \$5 Billion- \$50 Billion universe. The Fund's volatility of 10.5% ranked in the 79th percentile over this period. The Fund's risk-adjusted performance, as measured by the Sharpe Ratio ranked in the 57th percentile and the Sortino Ratio ranked in the 57th percentile.

Over the past three years the Fund return of 4.1% outperformed the policy index by 0.5% and ranked in the 68th percentile in its peer group. The Fund's volatility ranked in the 80th percentile and the Sharpe Ratio ranked in the 68th percentile. The Sortino Ratio ranked in the 68th percentile.

In the one-year ended September 30, 2024, the Fund returned 17.6% and underperformed the policy index by 0.1%. The Fund's return ranked in the 36th percentile in its peer group.



5 Years Ending September 30, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
LACERS Master Trust	8.3 (50)	10.5 (79)	0.6 (57)	0.9 (57)
<i>Policy Index</i>	<i>7.9 (62)</i>	<i>11.5 (91)</i>	<i>0.5 (77)</i>	<i>0.8 (79)</i>
<i>InvMetrics Public DB \$5-50B Gross Median</i>	<i>8.3</i>	<i>9.5</i>	<i>0.6</i>	<i>1.0</i>

3 Years Ending September 30, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
LACERS Master Trust	4.1 (68)	9.8 (80)	0.1 (68)	0.1 (68)
<i>Policy Index</i>	<i>3.6 (81)</i>	<i>10.4 (90)</i>	<i>0.1 (77)</i>	<i>0.1 (77)</i>
<i>InvMetrics Public DB \$5-50B Gross Median</i>	<i>5.0</i>	<i>8.7</i>	<i>0.2</i>	<i>0.3</i>



EXECUTIVE SUMMARY

	Market Value (\$)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	15 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	24,929,502,422	5.6 (15)	9.9 (52)	17.6 (50)	4.1 (76)	8.3 (45)	7.6 (41)	7.5 (39)	8.6 (28)	8.2 (33)	Nov-94
<i>Policy Index</i>		5.2 (32)	10.3 (38)	17.7 (49)	3.6 (87)	7.9 (63)	7.3 (55)	7.3 (44)	8.4 (41)	8.1 (42)	
<i>InvMetrics Public DB \$1-50B Gross Median</i>		4.7	10.0	17.6	4.8	8.2	7.4	7.2	8.2	7.9	

3 Years Ending September 30, 2024

	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
LACERS Master Trust	4.1 (76)	9.8 (59)	0.1 (76)	0.1 (76)
<i>Policy Index</i>	3.6 (87)	10.4 (67)	0.1 (86)	0.1 (86)
<i>InvMetrics Public DB \$1-50B Gross Median</i>	4.8	9.6	0.2	0.2

5 Years Ending September 30, 2024

	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
LACERS Master Trust	8.3 (45)	10.5 (53)	0.6 (46)	0.9 (41)
<i>Policy Index</i>	7.9 (63)	11.5 (79)	0.5 (81)	0.8 (81)
<i>InvMetrics Public DB \$1-50B Gross Median</i>	8.2	10.3	0.6	0.8

COMPOSITE PERFORMANCE DETAIL GROSS

	Allocation		Performance (%)								
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	20 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	24,929,502,422	100.00	5.59	9.92	17.57	4.10	8.32	7.50	7.59	8.19	Nov-94
Policy Index			<u>5.15</u>	<u>10.26</u>	<u>17.66</u>	<u>3.63</u>	<u>7.86</u>	<u>7.29</u>	<u>7.37</u>	<u>8.07</u>	
Over/Under			0.44	-0.34	-0.09	0.47	0.46	0.21	0.22	0.12	
U.S. Equity	5,360,114,944	21.50	6.96	19.42	33.71	9.77	14.66	12.50	10.45	11.12	Nov-94
U.S. Equity Blend			<u>6.23</u>	<u>20.63</u>	<u>35.19</u>	<u>10.29</u>	<u>15.26</u>	<u>12.83</u>	<u>10.61</u>	<u>10.33</u>	
Over/Under			0.73	-1.21	-1.48	-0.52	-0.60	-0.33	-0.16	0.79	
Non-U.S. Equity	6,388,395,380	25.63	8.25	13.37	24.64	3.27	8.58	6.38	7.05	5.67	Nov-94
MSCI AC World ex USA (Net)			<u>8.06</u>	<u>14.21</u>	<u>25.35</u>	<u>4.14</u>	<u>7.59</u>	<u>5.22</u>	<u>6.14</u>	-	
Over/Under			0.19	-0.84	-0.71	-0.87	0.99	1.16	0.91	-	
Core Fixed Income	3,362,791,137	13.49	5.27	4.77	12.10	-1.02	0.98	2.29	-	2.51	Jul-12
Core Fixed Income Blend			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	<u>0.33</u>	<u>1.84</u>	<u>-</u>	<u>1.89</u>	
Over/Under			0.07	0.32	0.53	0.37	0.65	0.45	-	0.62	
Credit Opportunities	2,259,844,265	9.06	5.26	7.31	14.20	2.75	3.35	4.31	-	4.72	Jul-13
Credit Opportunities Blend			<u>4.47</u>	<u>6.70</u>	<u>13.29</u>	<u>2.00</u>	<u>3.26</u>	<u>4.39</u>	<u>-</u>	<u>4.79</u>	
Over/Under			0.79	0.61	0.91	0.75	0.09	-0.08	-	-0.07	
Real Assets	2,791,296,581	11.20	4.87	2.28	6.11	0.90	3.12	4.68	4.12	5.77	Dec-94
Real Assets Policy Benchmark			<u>4.14</u>	<u>2.83</u>	<u>5.38</u>	<u>-0.19</u>	<u>3.41</u>	<u>4.99</u>	<u>5.32</u>	<u>7.17</u>	
Over/Under			0.73	-0.55	0.73	1.09	-0.29	-0.31	-1.20	-1.40	
Public Real Assets	1,462,729,783	5.87	9.65	9.59	19.65	1.41	4.53	3.55	-	3.23	Jul-14
Public Real Assets Blend			<u>8.25</u>	<u>7.98</u>	<u>18.19</u>	<u>1.07</u>	<u>4.28</u>	<u>2.34</u>	<u>-</u>	<u>1.91</u>	
Over/Under			1.40	1.61	1.46	0.34	0.25	1.21	-	1.32	
Private Real Estate	1,308,922,089	5.25	0.05	-4.90	-6.67	2.14	2.31	5.64	4.63	6.11	Nov-94
Real Estate Blend			<u>0.45</u>	<u>-1.98</u>	<u>-6.52</u>	<u>0.62</u>	<u>3.77</u>	<u>6.94</u>	<u>7.88</u>	<u>8.79</u>	
Over/Under			-0.40	-2.92	-0.15	1.52	-1.46	-1.30	-3.25	-2.68	
Private Equity	4,494,298,777	18.03	1.63	5.77	6.52	7.06	14.87	12.65	13.16	11.27	Dec-95
Private Equity Blend			<u>0.94</u>	<u>5.04</u>	<u>4.43</u>	<u>4.31</u>	<u>12.80</u>	<u>13.28</u>	<u>12.90</u>	<u>12.96</u>	
Over/Under			0.69	0.73	2.09	2.75	2.07	-0.63	0.26	-1.69	
Cash	272,761,338	1.09									

Refer to appendix for blended benchmark definitions.

COMPOSITE PERFORMANCE DETAIL NET

	Allocation		Performance (%)								
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	20 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	24,929,502,422	100.00	5.55	9.79	17.39	3.94	8.15	7.32	7.40	7.02	Jul-01
Policy Index			<u>5.15</u>	<u>10.26</u>	<u>17.66</u>	<u>3.63</u>	<u>7.86</u>	<u>7.29</u>	<u>7.37</u>	<u>6.96</u>	
Over/Under			0.40	-0.47	-0.27	0.31	0.29	0.03	0.03	0.06	
U.S. Equity	5,360,114,944	21.50	6.93	19.33	33.58	9.66	14.56	12.41	10.30	9.40	Sep-01
U.S. Equity Blend			<u>6.23</u>	<u>20.63</u>	<u>35.19</u>	<u>10.29</u>	<u>15.26</u>	<u>12.83</u>	<u>10.61</u>	<u>9.43</u>	
Over/Under			0.70	-1.30	-1.61	-0.63	-0.70	-0.42	-0.31	-0.03	
Non-U.S. Equity	6,388,395,380	25.63	8.15	13.06	24.21	2.92	8.22	6.01	6.69	6.37	Jun-01
MSCI AC World ex USA (Net)			<u>8.06</u>	<u>14.21</u>	<u>25.35</u>	<u>4.14</u>	<u>7.59</u>	<u>5.22</u>	<u>6.14</u>	<u>5.75</u>	
Over/Under			0.09	-1.15	-1.14	-1.22	0.63	0.79	0.55	0.62	
Core Fixed Income	3,362,791,137	13.49	5.24	4.70	11.98	-1.12	0.89	2.19	-	2.40	Jul-12
Core Fixed Income Blend			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	<u>0.33</u>	<u>1.84</u>	<u>-</u>	<u>1.89</u>	
Over/Under			0.04	0.25	0.41	0.27	0.56	0.35	-	0.51	
Credit Opportunities	2,259,844,265	9.06	5.18	7.06	13.85	2.41	3.03	3.97	-	4.39	Jul-13
Credit Opportunities Blend			<u>4.47</u>	<u>6.70</u>	<u>13.29</u>	<u>2.00</u>	<u>3.26</u>	<u>4.39</u>	<u>-</u>	<u>4.79</u>	
Over/Under			0.71	0.36	0.56	0.41	-0.23	-0.42	-	-0.40	
Real Assets	2,791,296,581	11.20	4.84	2.19	5.99	0.78	2.98	4.54	3.96	4.63	Jun-01
Real Assets Policy Benchmark			<u>4.14</u>	<u>2.83</u>	<u>5.38</u>	<u>-0.19</u>	<u>3.41</u>	<u>4.99</u>	<u>5.32</u>	<u>5.72</u>	
Over/Under			0.70	-0.64	0.61	0.97	-0.43	-0.45	-1.36	-1.09	
Public Real Assets	1,462,729,783	5.87	9.60	9.44	19.44	1.25	4.35	3.35	-	3.04	Jul-14
Public Real Assets Blend			<u>8.25</u>	<u>7.98</u>	<u>18.19</u>	<u>1.07</u>	<u>4.28</u>	<u>2.34</u>	<u>-</u>	<u>1.91</u>	
Over/Under			1.35	1.46	1.25	0.18	0.07	1.01	-	1.13	
Private Real Estate	1,308,922,089	5.25	0.03	-4.94	-6.72	2.07	2.23	5.56	4.49	5.11	Jul-01
Real Estate Blend			<u>0.45</u>	<u>-1.98</u>	<u>-6.52</u>	<u>0.62</u>	<u>3.77</u>	<u>6.94</u>	<u>7.88</u>	<u>7.96</u>	
Over/Under			-0.42	-2.96	-0.20	1.45	-1.54	-1.38	-3.39	-2.85	
Private Equity	4,494,298,777	18.03	1.63	5.80	6.56	7.09	14.89	12.66	13.10	11.31	Sep-01
Private Equity Blend			<u>0.94</u>	<u>5.04</u>	<u>4.43</u>	<u>4.31</u>	<u>12.80</u>	<u>13.28</u>	<u>12.90</u>	<u>11.97</u>	
Over/Under			0.69	0.76	2.13	2.78	2.09	-0.62	0.20	-0.66	
Cash	272,761,338	1.09									

Refer to appendix for blended benchmark definitions.

RISK STATISTICS

3 Years Ending September 30, 2024						
	Return	Standard Deviation	Alpha	Information Ratio	Sortino Ratio	Tracking Error
LACERS Master Trust	4.10 (76)	9.82 (59)	0.66 (72)	0.26 (67)	0.15 (76)	1.53 (6)
InvMetrics Public DB \$1-50B Gross Median	4.77	9.57	1.25	0.40	0.24	2.32

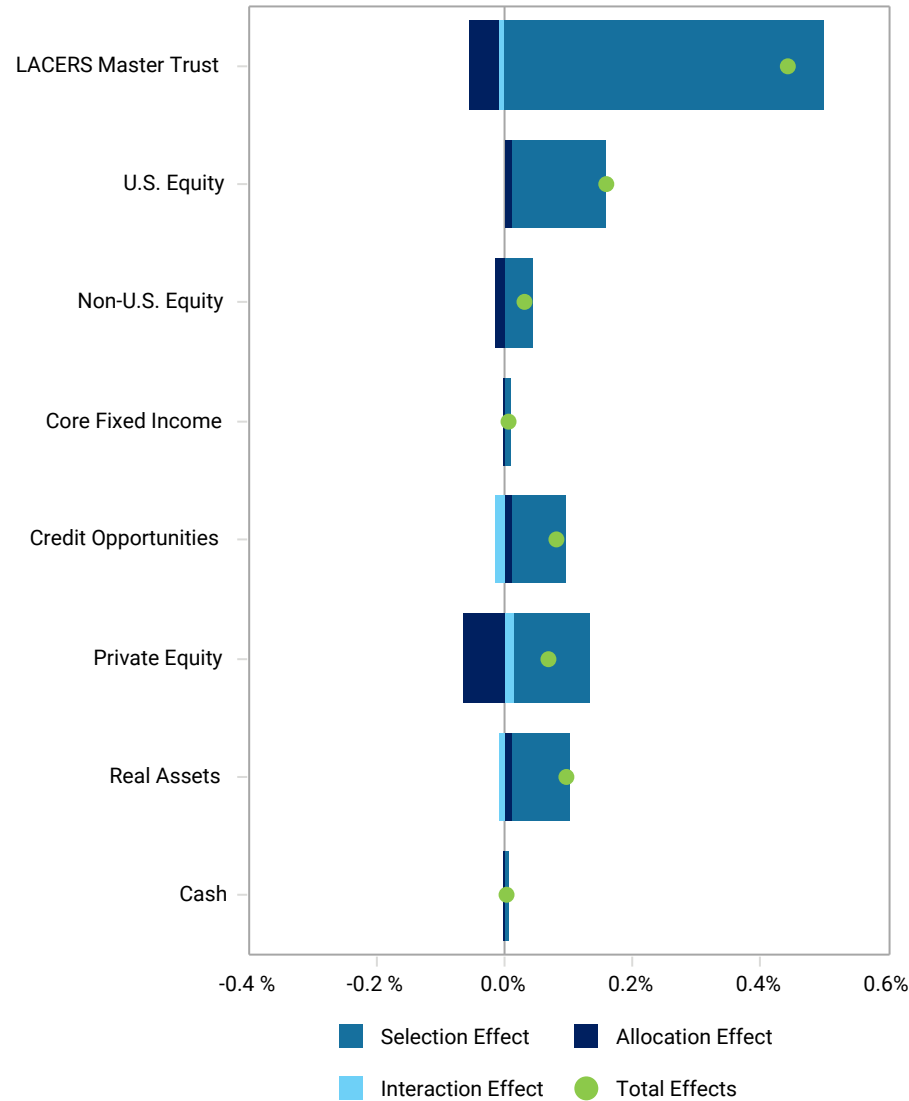
5 Years Ending September 30, 2024						
	Return	Standard Deviation	Alpha	Information Ratio	Sortino Ratio	Tracking Error
LACERS Master Trust	8.32 (45)	10.52 (53)	1.10 (49)	0.16 (38)	0.88 (41)	1.96 (13)
InvMetrics Public DB \$1-50B Gross Median	8.18	10.34	1.07	0.05	0.85	2.73

3 Years Ending September 30, 2024						
	Return	Standard Deviation	Alpha	Information Ratio	Sortino Ratio	Tracking Error
LACERS Master Trust	4.10 (68)	9.82 (80)	0.66 (71)	0.26 (68)	0.15 (68)	1.53 (6)
InvMetrics Public DB \$5-50B Gross Median	5.00	8.72	1.75	0.38	0.30	2.77

5 Years Ending September 30, 2024						
	Return	Standard Deviation	Alpha	Information Ratio	Sortino Ratio	Tracking Error
LACERS Master Trust	8.32 (50)	10.52 (79)	1.10 (60)	0.16 (37)	0.88 (57)	1.96 (10)
InvMetrics Public DB \$5-50B Gross Median	8.32	9.51	1.66	0.05	0.97	3.30

ATTRIBUTION ANALYSIS

Attribution Effects 1 Quarter Ending September 30, 2024



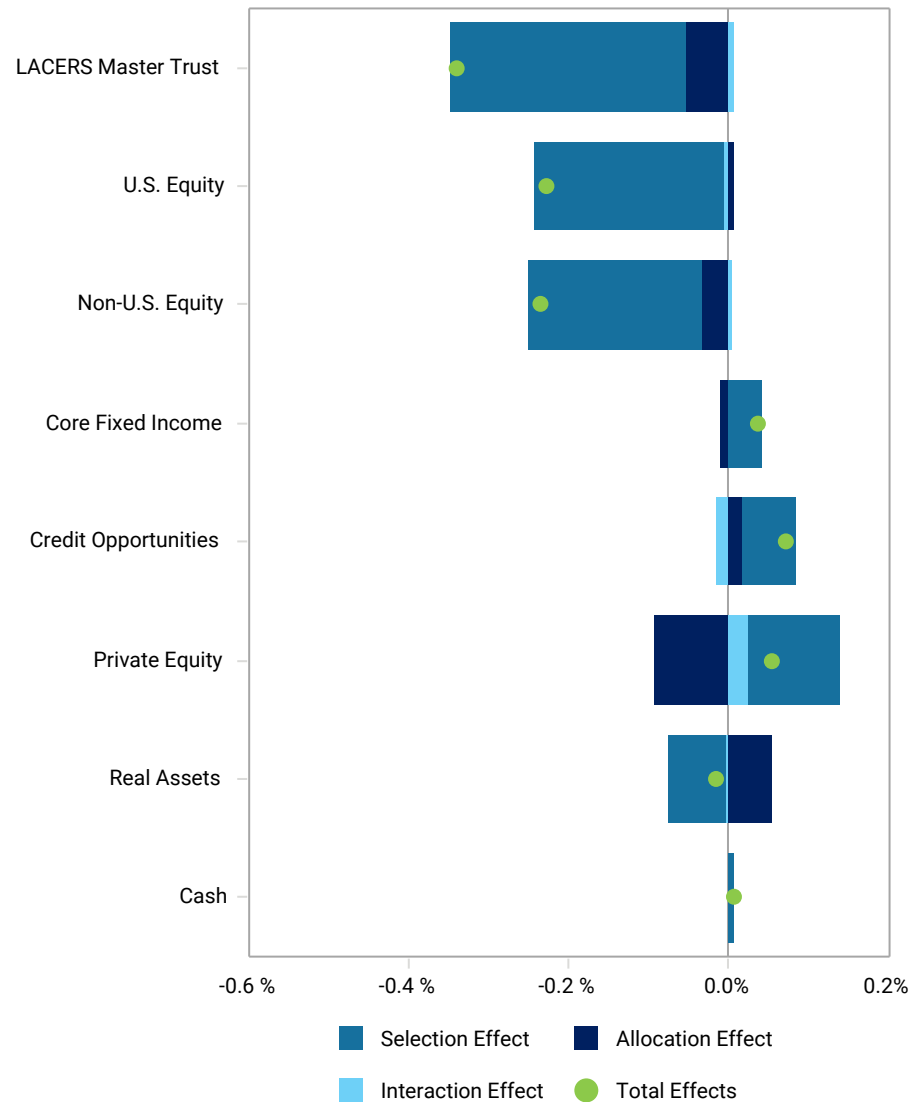
Attribution Summary 1 Quarter Ending September 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
U.S. Equity	7.0	6.2	0.7	0.1	0.0	0.0	0.2
Non-U.S. Equity	8.2	8.1	0.2	0.0	0.0	0.0	0.0
Core Fixed Income	5.3	5.2	0.1	0.0	0.0	0.0	0.0
Credit Opportunities	5.3	4.5	0.8	0.1	0.0	0.0	0.1
Private Equity	1.6	0.9	0.7	0.1	-0.1	0.0	0.1
Real Assets	4.9	4.1	0.7	0.1	0.0	0.0	0.1
Cash	1.9	1.4	0.5	0.0	0.0	0.0	0.0
LACERS Master Trust	5.6	5.2	0.4	0.5	0.0	0.0	0.4

*Total Actual and Index returns are weighted average calculations.

ATTRIBUTION ANALYSIS

Attribution Effects
Year To Date Ending September 30, 2024



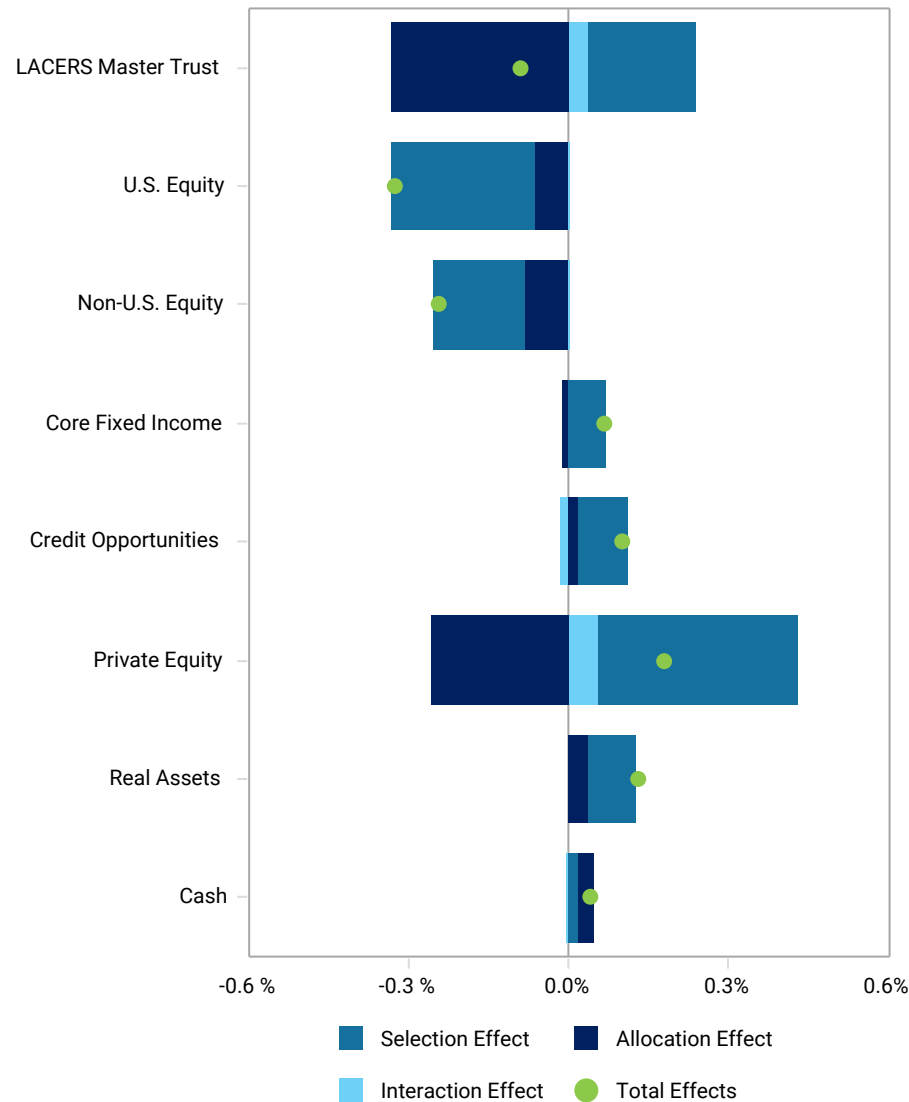
Attribution Summary
Year To Date Ending September 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
U.S. Equity	19.4	20.6	-1.2	-0.2	0.0	0.0	-0.2
Non-U.S. Equity	13.4	14.2	-0.8	-0.2	0.0	0.0	-0.2
Core Fixed Income	4.8	4.4	0.3	0.0	0.0	0.0	0.0
Credit Opportunities	7.3	6.7	0.6	0.1	0.0	0.0	0.1
Private Equity	5.8	5.0	0.7	0.1	-0.1	0.0	0.1
Real Assets	2.3	2.8	-0.5	-0.1	0.1	0.0	0.0
Cash	4.7	4.0	0.7	0.0	0.0	0.0	0.0
LACERS Master Trust	9.9	10.3	-0.3	-0.3	-0.1	0.0	-0.3

*Total Actual and Index returns are weighted average calculations.

ATTRIBUTION ANALYSIS

Attribution Effects 1 Year Ending September 30, 2024



Attribution Summary 1 Year Ending September 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
U.S. Equity	33.7	35.2	-1.5	-0.3	-0.1	0.0	-0.3
Non-U.S. Equity	24.6	25.4	-0.7	-0.2	-0.1	0.0	-0.2
Core Fixed Income	12.1	11.6	0.5	0.1	0.0	0.0	0.1
Credit Opportunities	14.2	13.3	0.9	0.1	0.0	0.0	0.1
Private Equity	6.5	4.4	2.1	0.4	-0.3	0.1	0.2
Real Assets	6.1	5.4	0.7	0.1	0.0	0.0	0.1
Cash	7.4	5.5	2.0	0.0	0.0	0.0	0.0
LACERS Master Trust	17.6	17.7	-0.1	0.2	-0.3	0.0	-0.1

*Total Actual and Index returns are weighted average calculations.

ATTRIBUTION ANALYSIS

Attribution Effects 3 Years Ending September 30, 2024



Attribution Summary 3 Years Ending September 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
U.S. Equity	9.8	10.3	-0.5	-0.1	0.0	0.0	-0.1
Non-U.S. Equity	3.3	4.1	-0.9	-0.2	0.0	0.0	-0.2
Core Fixed Income	-1.0	-1.4	0.4	0.1	0.0	0.0	0.0
Credit Opportunities	2.7	2.0	0.7	0.1	0.0	0.0	0.0
Private Equity	7.1	4.3	2.8	0.5	0.1	0.0	0.6
Real Assets	0.9	-0.2	1.1	0.1	0.0	0.0	0.1
Cash	4.2	3.5	0.7	0.0	0.0	0.0	0.0
LACERS Master Trust	4.1	3.6	0.5	0.4	0.1	0.0	0.5

*Total Actual and Index returns are weighted average calculations.

ATTRIBUTION ANALYSIS

Attribution Effects
5 Years Ending September 30, 2024



Attribution Summary
5 Years Ending September 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
U.S. Equity	14.7	15.3	-0.6	-0.1	0.0	0.0	-0.1
Non-U.S. Equity	8.6	7.6	1.0	0.3	0.0	0.0	0.3
Core Fixed Income	1.0	0.3	0.7	0.1	0.1	0.0	0.2
Credit Opportunities	3.3	3.3	0.1	0.0	-0.1	0.0	-0.1
Private Equity	14.9	12.8	2.1	0.4	0.1	-0.1	0.4
Real Assets	3.1	3.4	-0.3	0.0	0.0	0.0	-0.1
Cash	2.9	2.3	0.6	0.0	-0.1	0.0	-0.1
LACERS Master Trust	8.3	7.9	0.5	0.6	-0.1	-0.1	0.5

*Total Actual and Index returns are weighted average calculations.

PRIVATE MARKETS PERFORMANCE

AS OF JUNE 30, 2024

Private Equity	10 Year IRR	Since Inception IRR	Since Inception Multiple
Aggregate Portfolio	12.7%	12.0%	1.63x
Core Portfolio	13.1%	12.4%	1.65x
Specialized Portfolio	-0.8%	1.7%	1.12x
PE Blended Benchmark	12.7%	12.8%	N/A

Source: Aksia

Real Estate	10 Year Return (Net)	Since Inception Return (Net)
Total Portfolio (TWR) ¹	5.6%	5.6%
NFI-ODCE + 80 basis points (TWR)	6.3%	6.5%

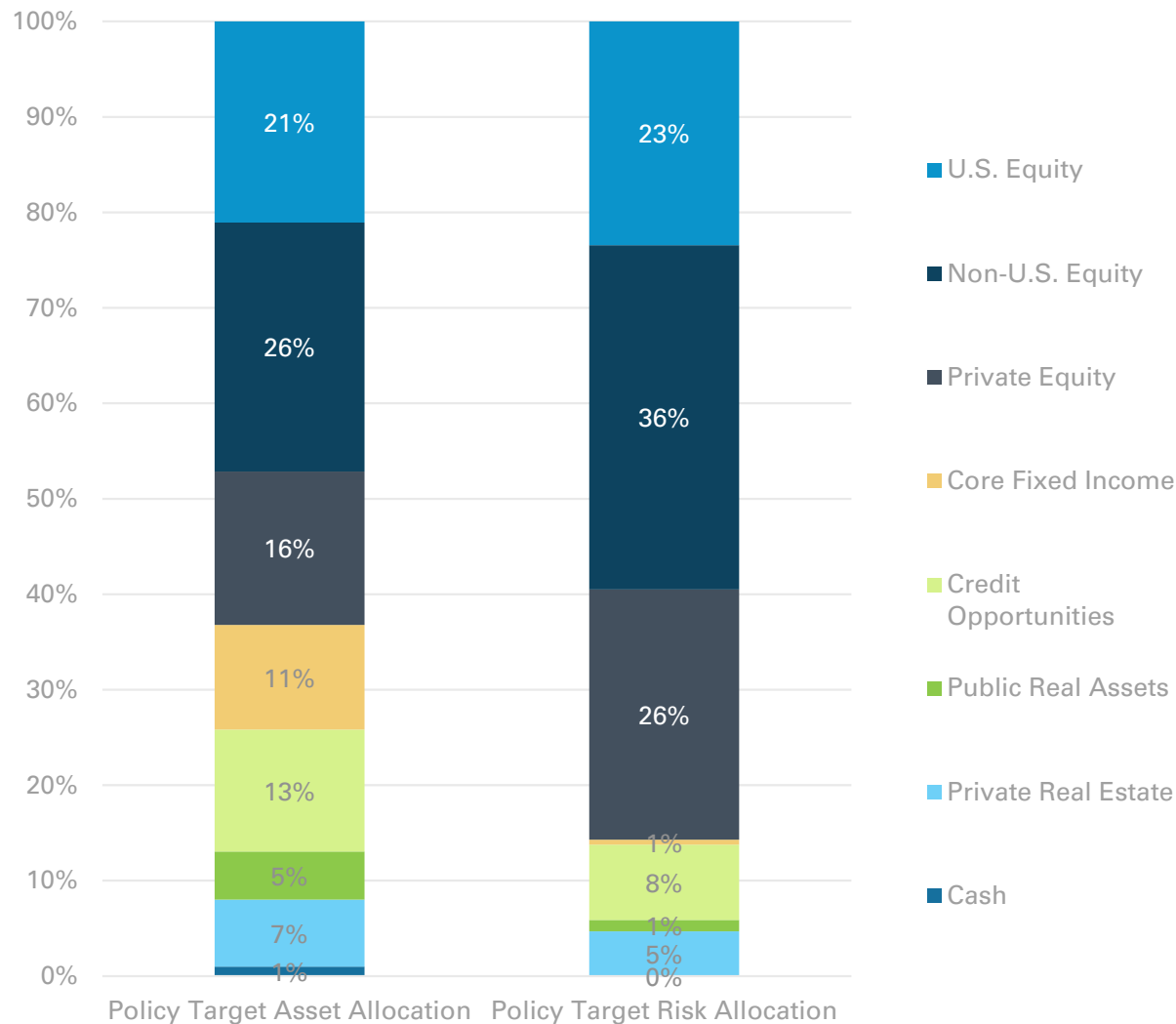
Source: The Townsend Group

Note: The Total Value to Paid-In Ratio (TVPI) is a multiple that relates the current value of the private equity portfolio plus all distributions received to date with the total amount of capital contributed.

1 - IRR is not available for the Real Estate portfolio and therefore only time weighted returns (TWR) are reported.

TOTAL FUND RISK ALLOCATION

ASSET ALLOCATION VS. RISK ALLOCATION



- Public and Private Equity policy target asset allocation is 63%; accounts for 86% of the policy target portfolio risk.
- Core Fixed Income and Credit Opportunities policy allocation is 24%, accounting for 8% of the policy target portfolio risk.
- Real Assets (Private Real Estate and Public Real Assets) policy allocation is 12%, accounting for 5% of policy target portfolio risk.

* Adopted May 11, 2021

PUBLIC MARKETS RISK BUDGET COMPARISON

AS OF SEPTEMBER 30, 2024

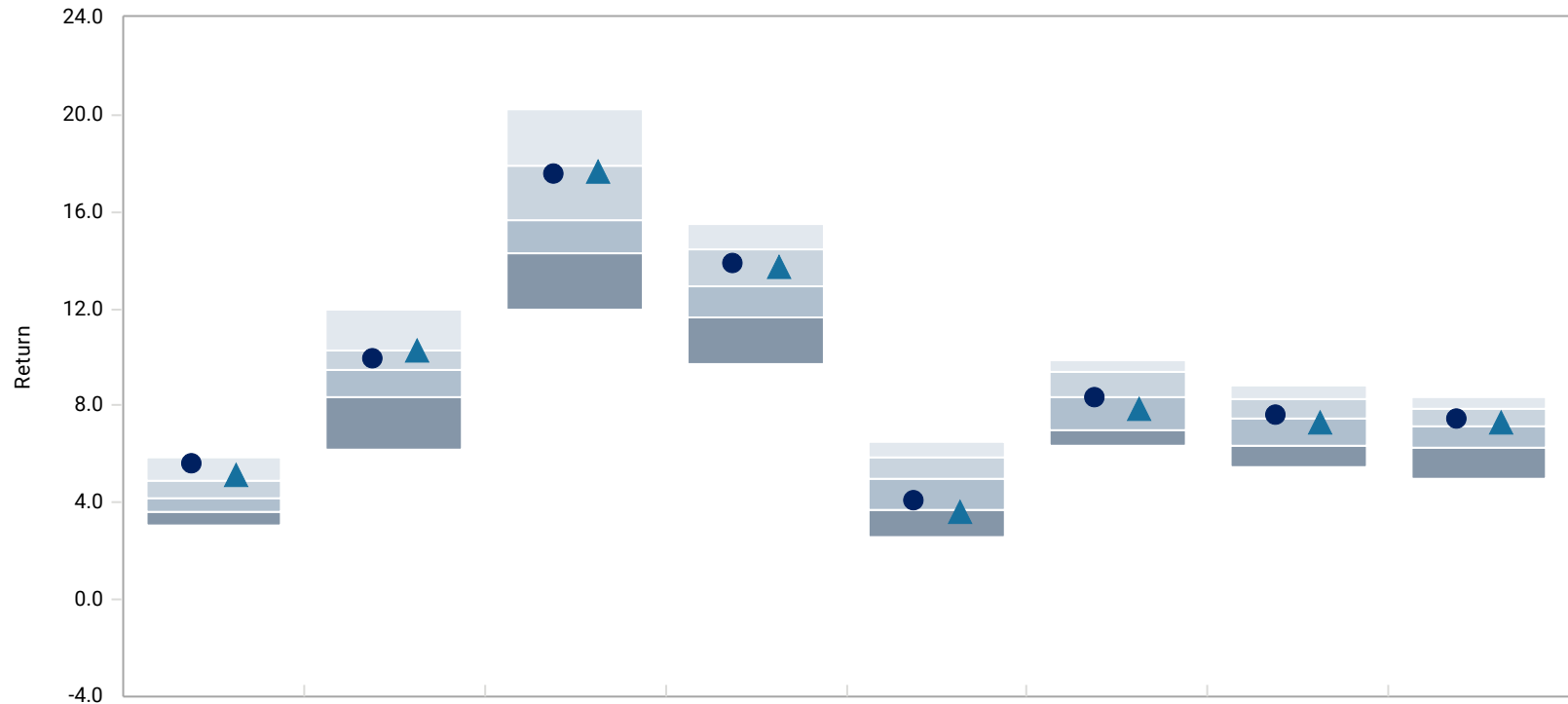
Public Markets Asset Class	Target Risk Budget	Actual 3 Yr Tracking Error
U.S. Equity	1.25%	1.46%
Non-U.S. Equity	1.75%	1.31%
Core Fixed Income	1.75%	0.30%
Credit Opportunities	3.50%	1.24%
Public Real Assets*	1.25%	1.47%

- Current public market asset class composite tracking error statistics are compared to asset class target risk budgets to ensure active risks are within expectations.
- Risk budgets are to be evaluated over three-year periods, at minimum, to reflect a full market cycle.
- Public Equity asset classes are within an appropriate range of their respective risk budgets.
- Both Core Fixed Income and Credit Opportunities have exhibited lower than expected active risk.
- The Public Real Assets benchmark includes prior historical composition.
- Note: The target Risk Budget was approved by the Board on June 22, 2021, and is reflected in the table above. Implementation of the new asset allocation is in progress.

* The benchmark for the Public Real Assets composite is a custom policy benchmark that is comprised of the target weights of the public real asset components: 66.7% Bloomberg Barclays US TIPS and 33.3% FTSE NAREIT All Equity REIT Index. Historical composition can be found in the investment policy statement.

RETURN SUMMARY VS. PEER UNIVERSE

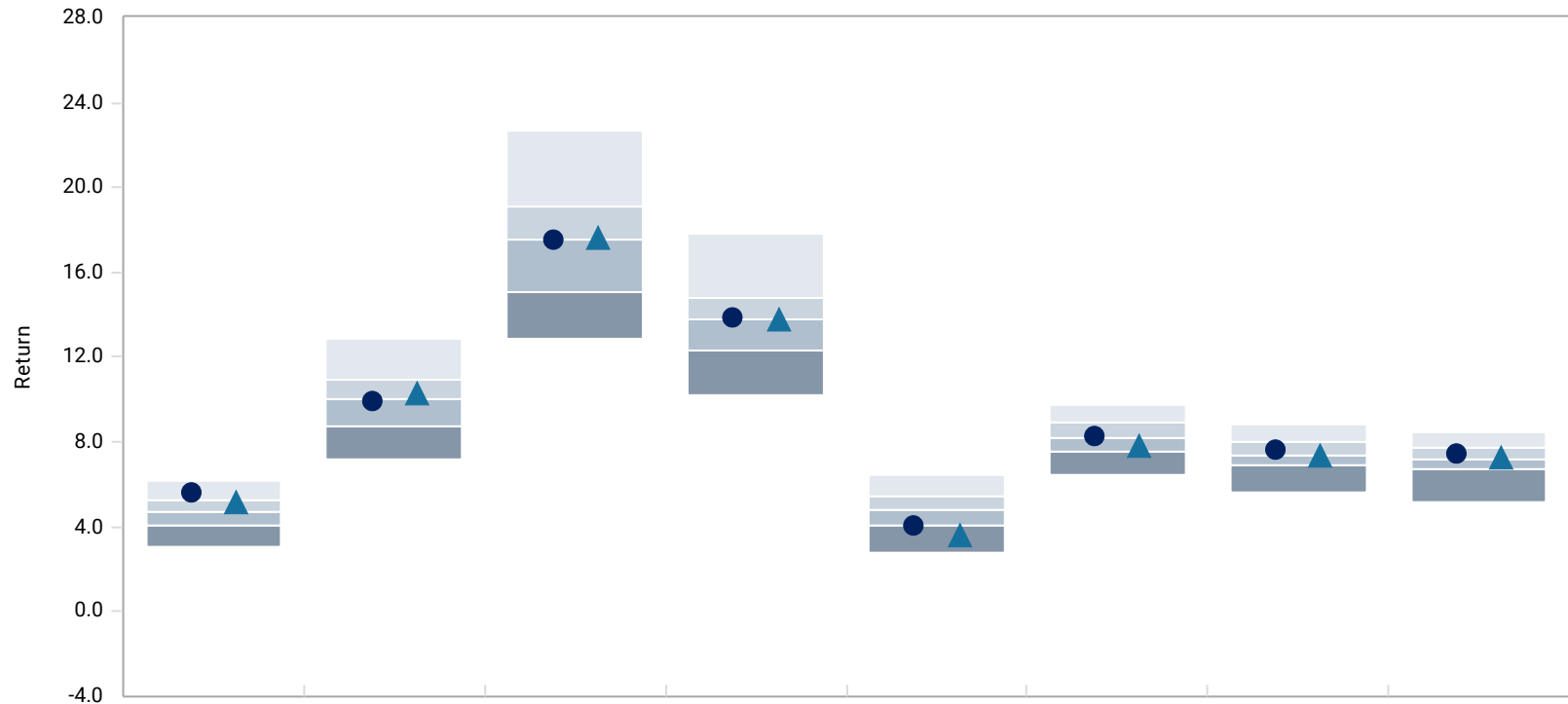
LACERS Master Trust vs. InvMetrics Public DB \$5-50B Gross



	3 Mo (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
● LACERS Master Trust	5.6 (10)	9.9 (33)	17.6 (36)	13.9 (33)	4.1 (68)	8.3 (50)	7.6 (49)	7.5 (42)
▲ Policy Index	5.2 (15)	10.3 (26)	17.7 (31)	13.8 (34)	3.6 (81)	7.9 (62)	7.3 (54)	7.3 (47)
5th Percentile	5.8	12.0	20.3	15.5	6.5	9.9	8.9	8.3
1st Quartile	4.9	10.3	17.9	14.4	5.8	9.4	8.3	7.9
Median	4.2	9.5	15.7	12.9	5.0	8.3	7.5	7.2
3rd Quartile	3.6	8.4	14.3	11.6	3.7	7.0	6.3	6.2
95th Percentile	3.0	6.2	12.0	9.7	2.6	6.4	5.5	5.0
Population	32	32	32	32	32	31	30	30

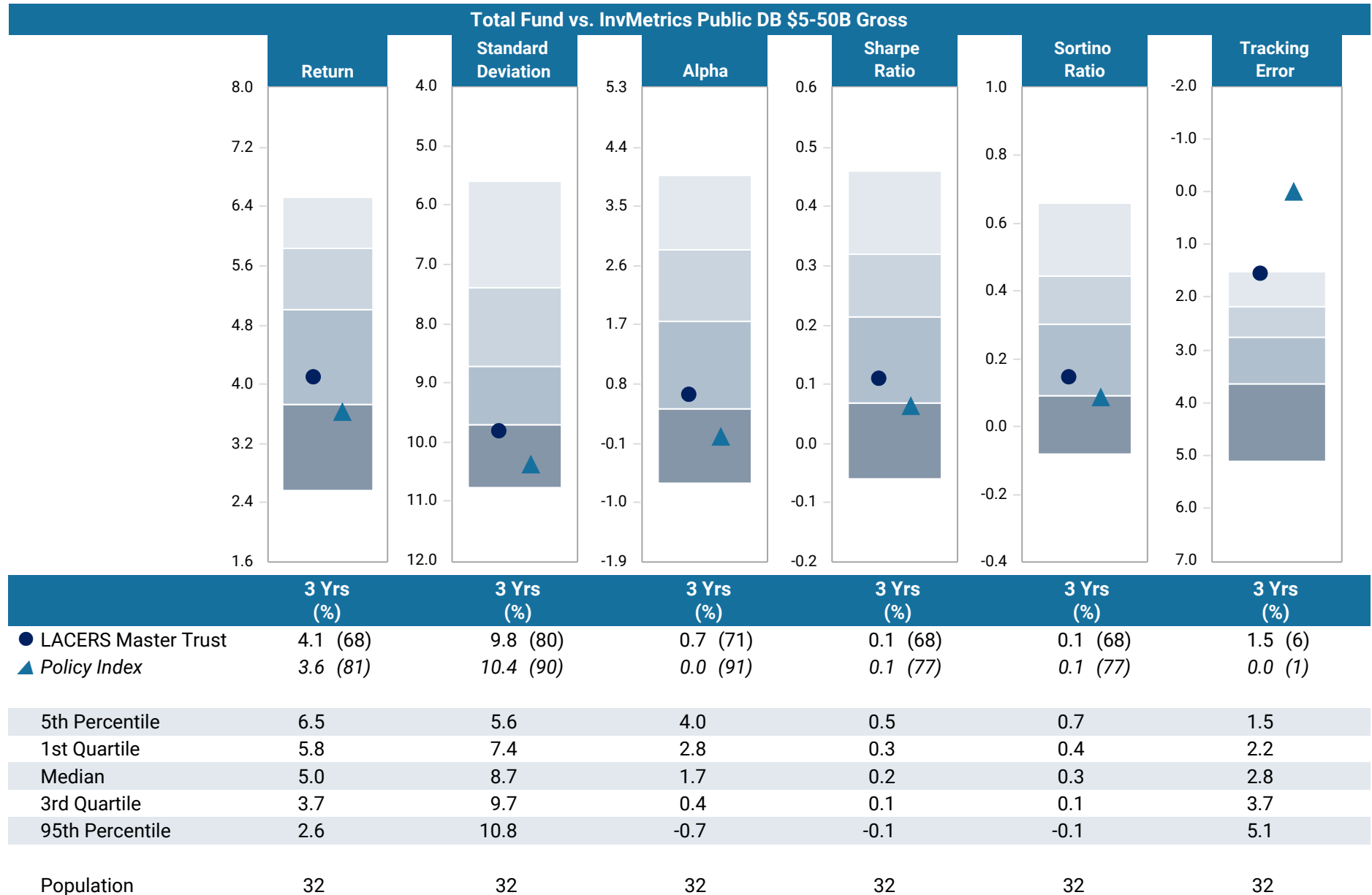
RETURN SUMMARY VS. PEER UNIVERSE

LACERS Master Trust vs. InvMetrics Public DB \$1-50B Gross

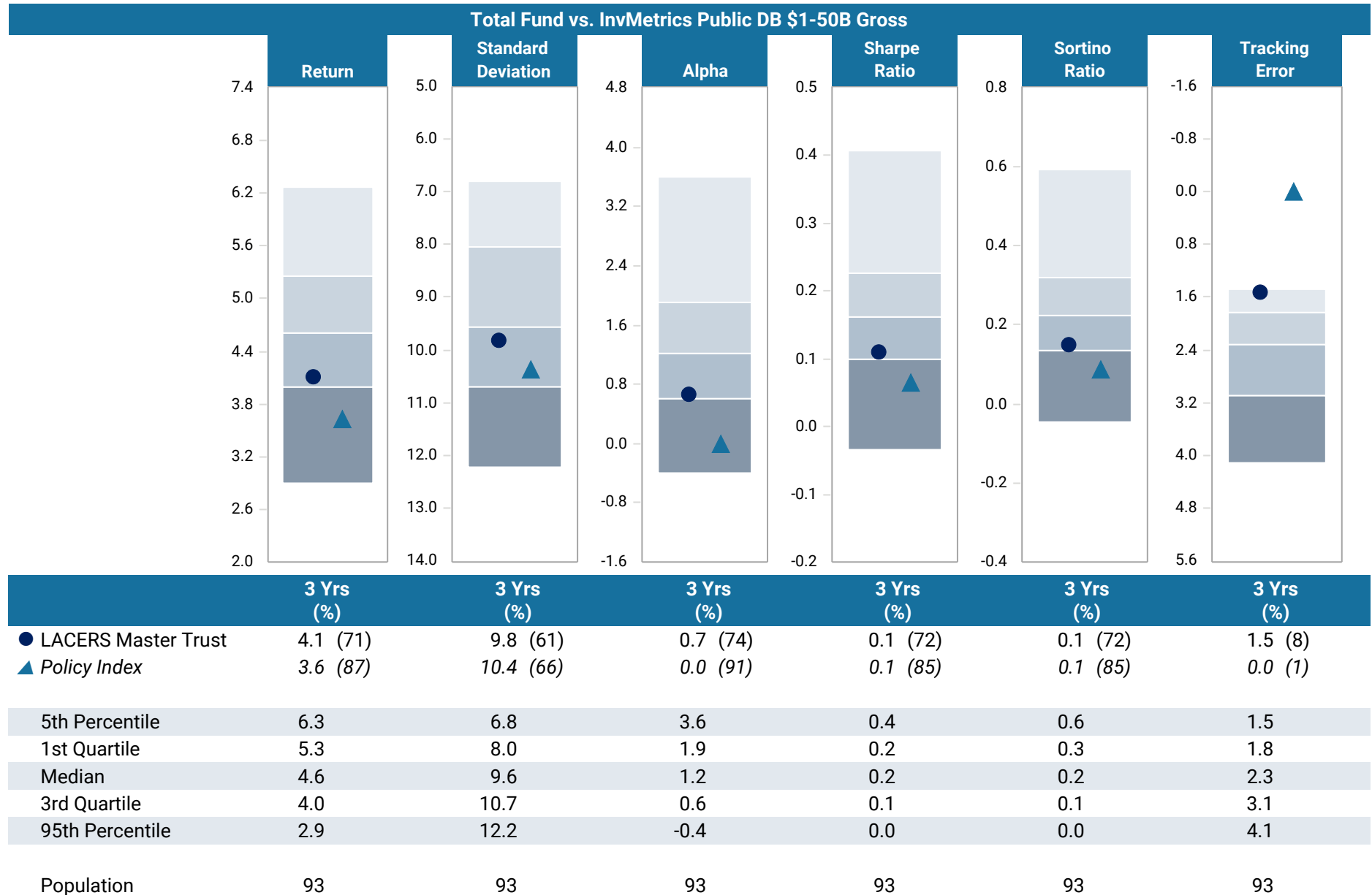


	3 Mo (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
● LACERS Master Trust	5.6 (15)	9.9 (52)	17.6 (50)	13.9 (47)	4.1 (76)	8.3 (45)	7.6 (41)	7.5 (39)
▲ Policy Index	5.2 (32)	10.3 (38)	17.7 (49)	13.8 (52)	3.6 (87)	7.9 (63)	7.3 (55)	7.3 (44)
5th Percentile	6.2	12.9	22.7	17.8	6.5	9.7	8.8	8.4
1st Quartile	5.3	11.0	19.1	14.8	5.4	8.9	8.0	7.8
Median	4.7	10.0	17.6	13.8	4.8	8.2	7.4	7.2
3rd Quartile	4.1	8.8	15.0	12.3	4.1	7.6	6.9	6.7
95th Percentile	3.0	7.2	12.8	10.2	2.8	6.4	5.7	5.2
Population	109	109	109	108	107	106	104	104

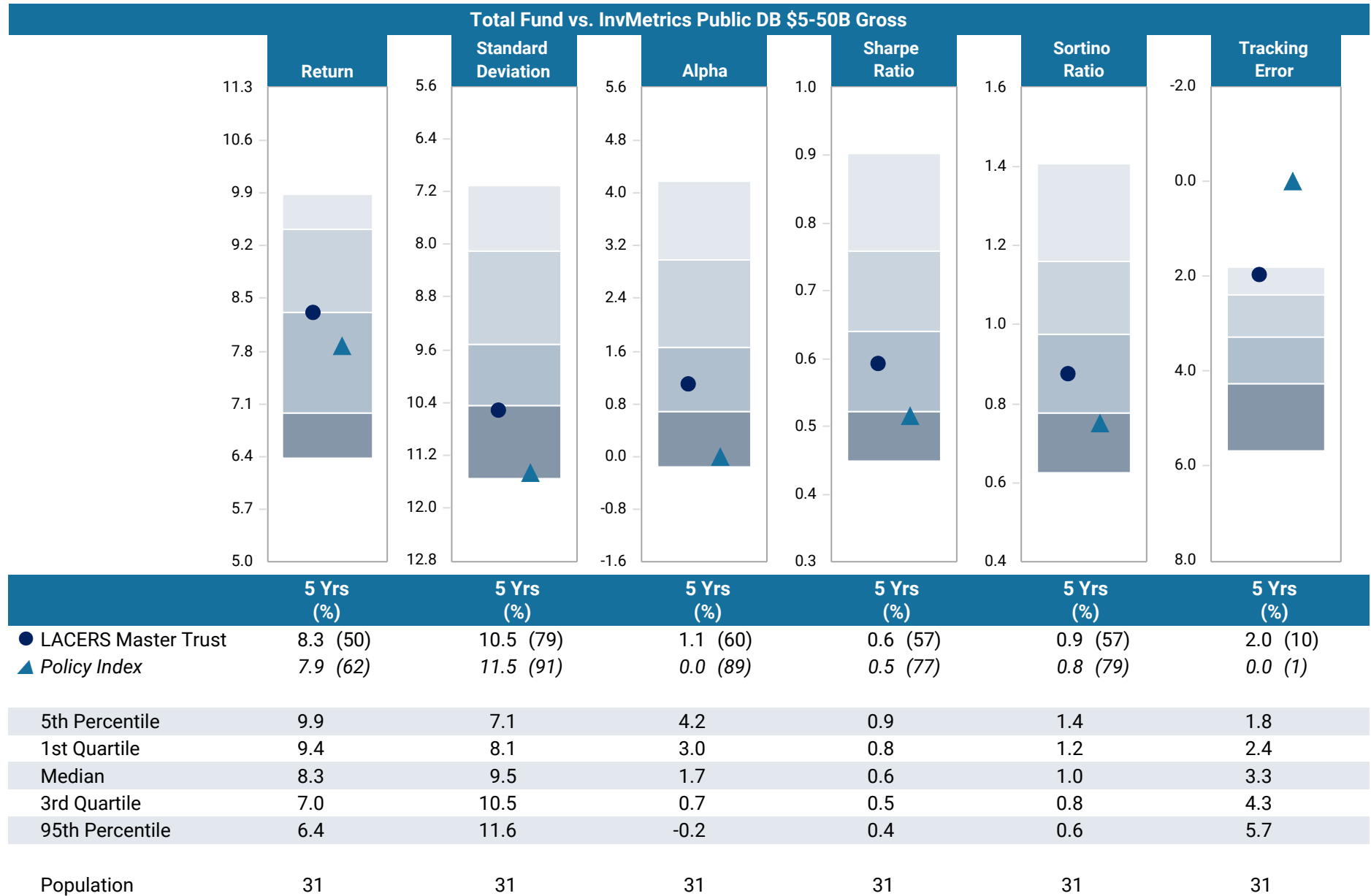
RISK STATISTICS VS. PEER UNIVERSE



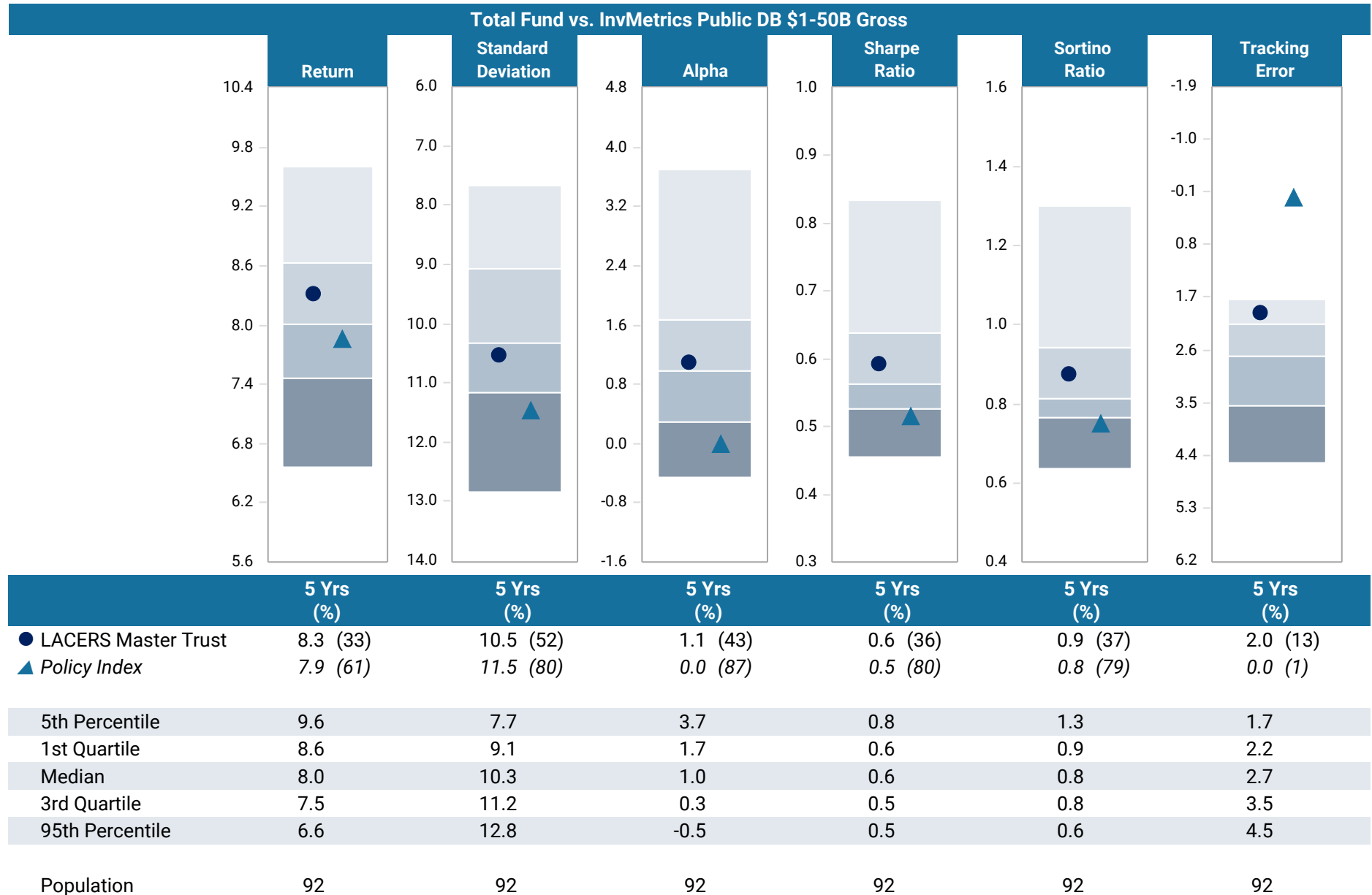
RISK STATISTICS VS. PEER UNIVERSE



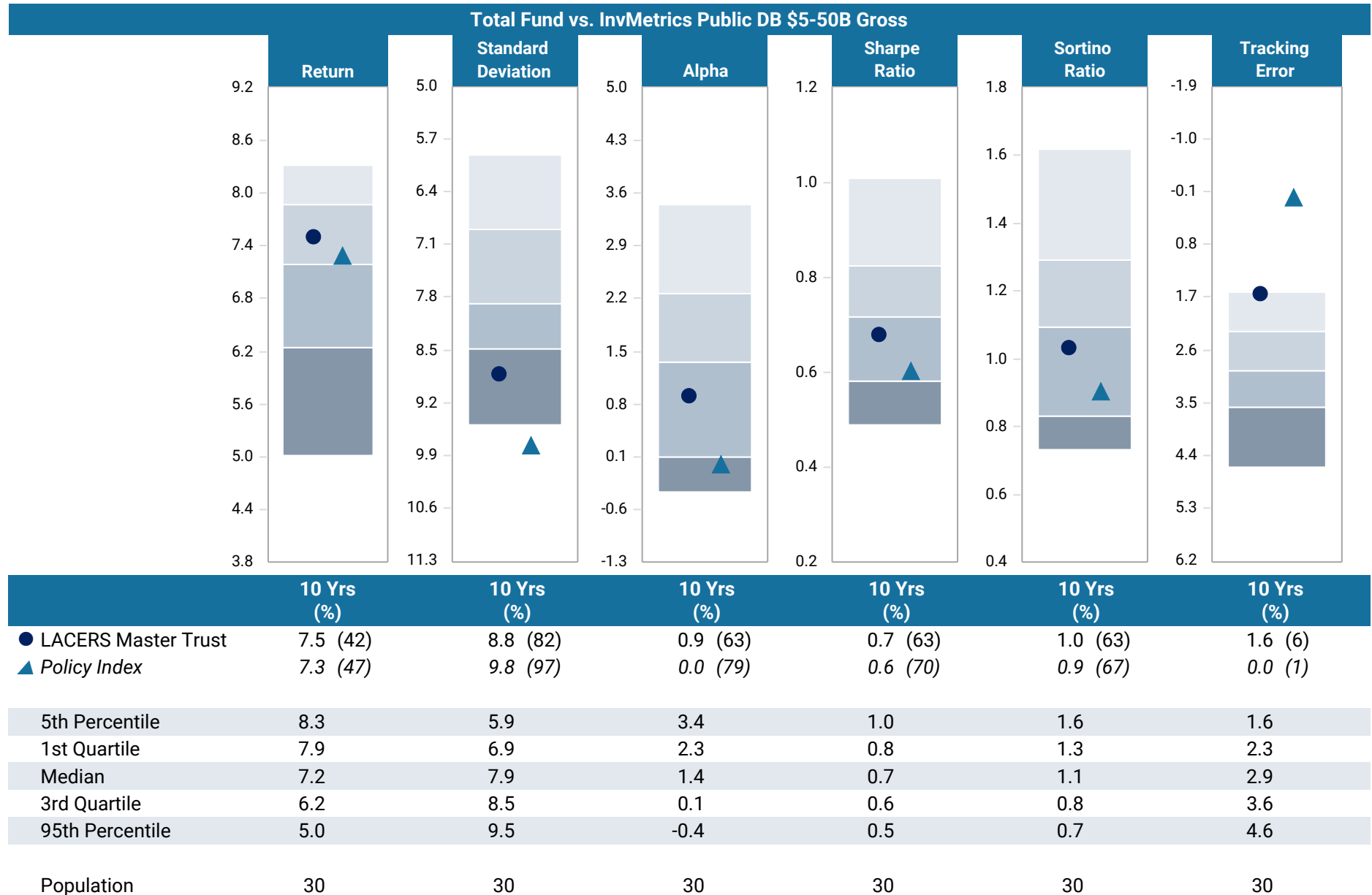
RISK STATISTICS VS. PEER UNIVERSE



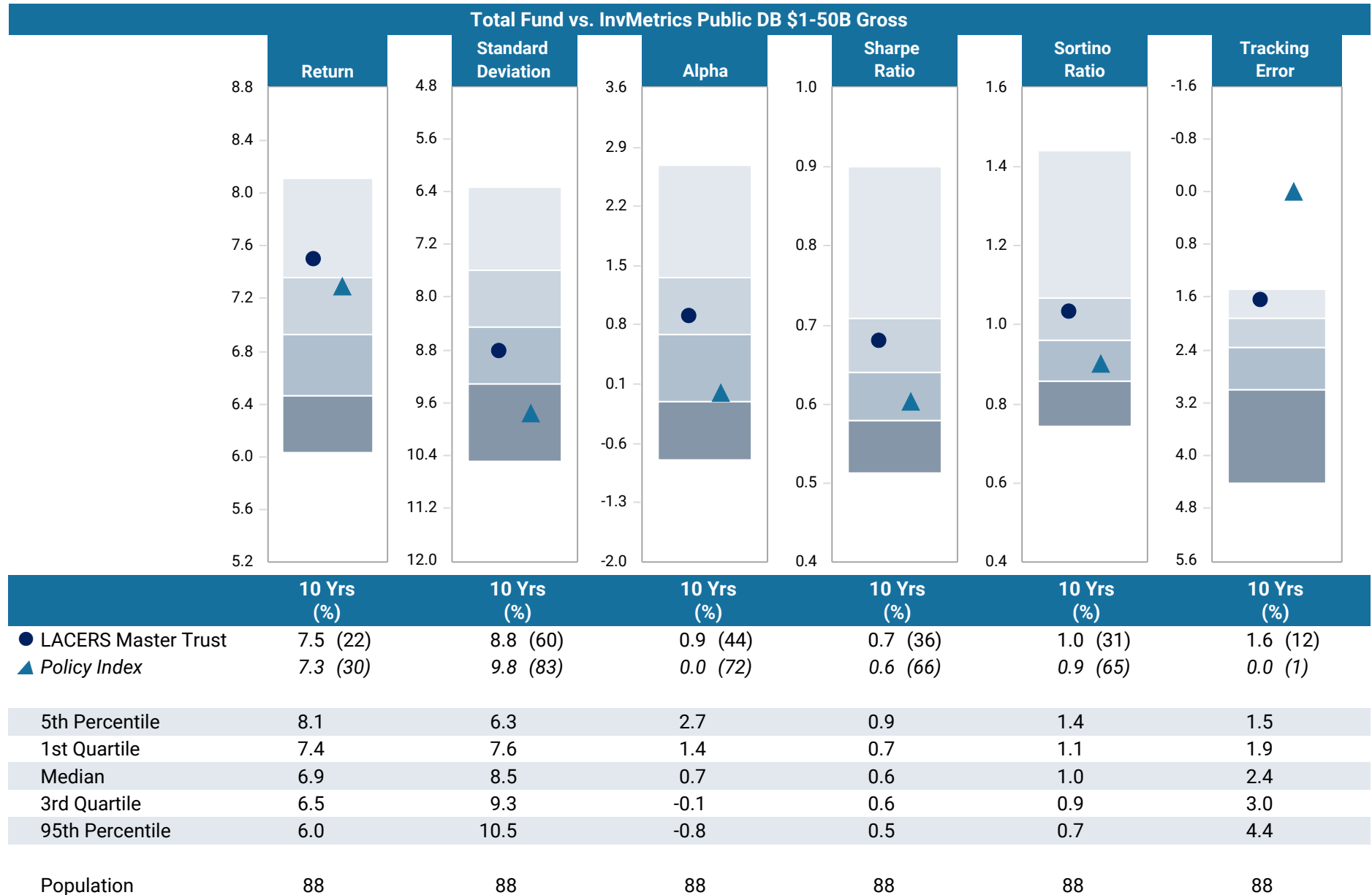
RISK STATISTICS VS. PEER UNIVERSE



RISK STATISTICS VS. PEER UNIVERSE



RISK STATISTICS VS. PEER UNIVERSE

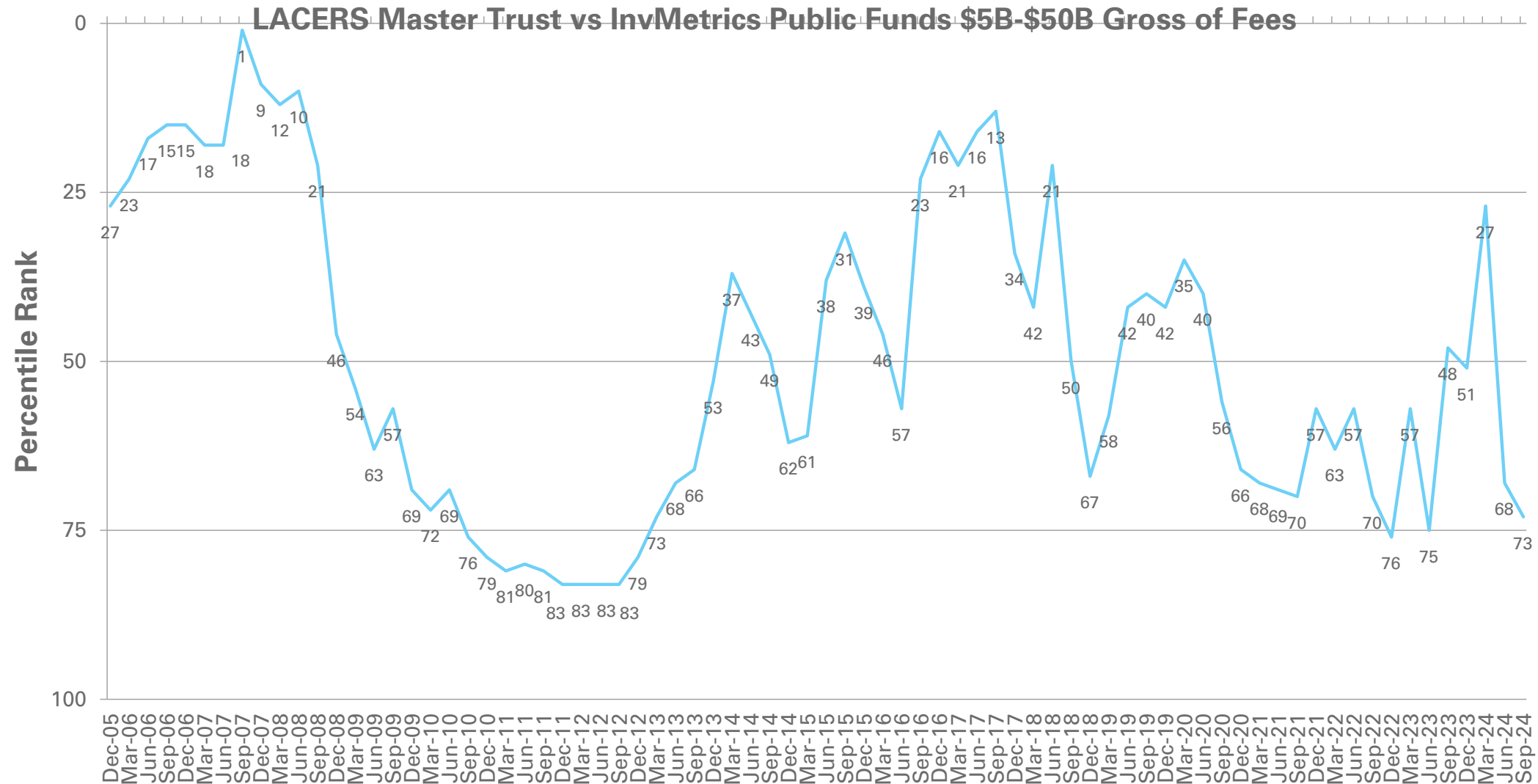


HISTORICAL RISK ADJUSTED RETURN

UNIVERSE COMPARISON (\$5-\$50 B GROSS OF FEES)

5 Yr Sharpe Ratio Percentile Rank

LACERS Master Trust vs InvMetrics Public Funds \$5B-\$50B Gross of Fees

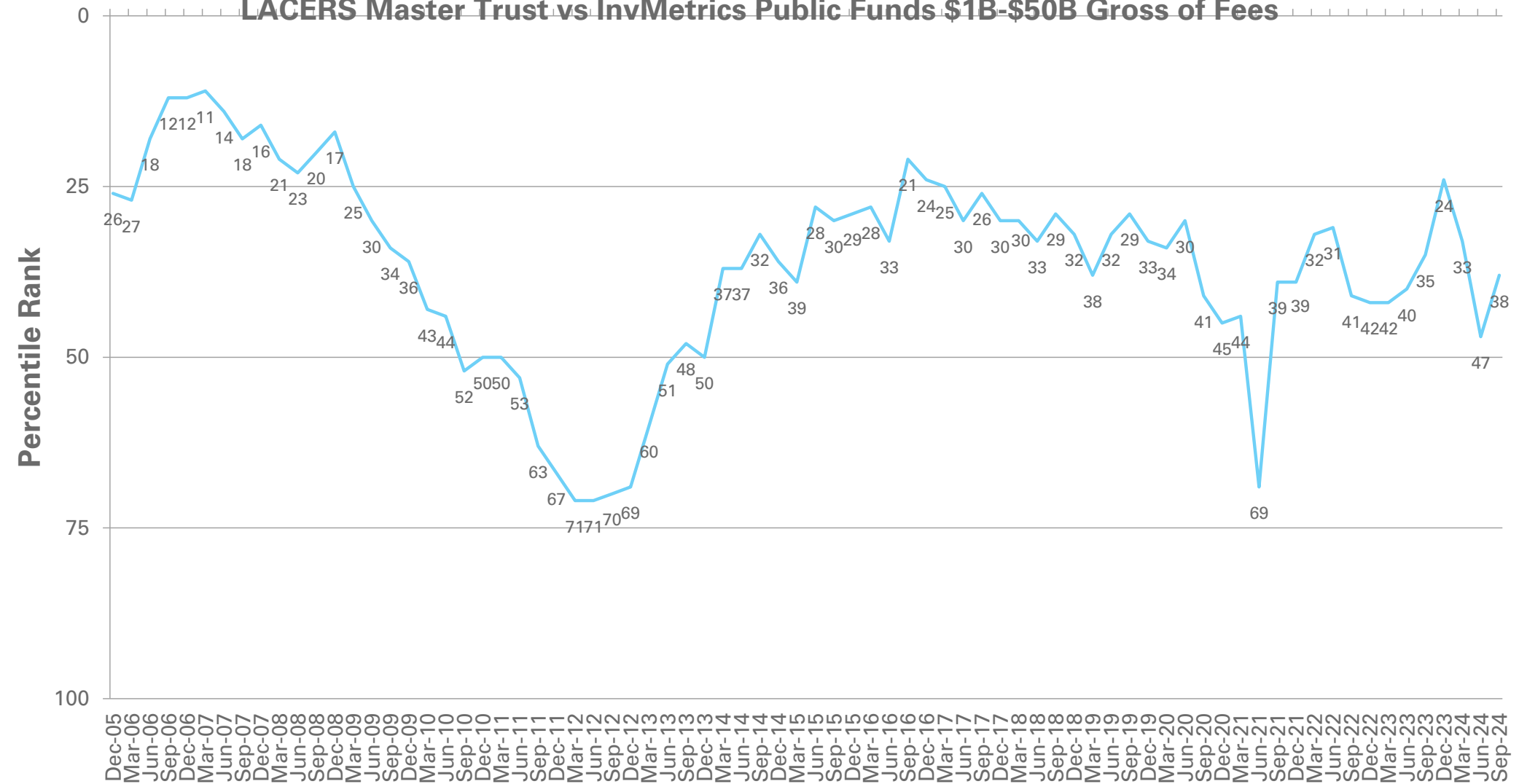


HISTORICAL RISK ADJUSTED RETURN

UNIVERSE COMPARISON (\$1-\$50 B GROSS OF FEES)

5 Yr Sharpe Ratio Percentile Rank

LACERS Master Trust vs InvMetrics Public Funds \$1B-\$50B Gross of Fees





U.S. EQUITY MANAGER PERFORMANCE

U.S EQUITY (GROSS)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
U.S. Equity	5,360,114,944	100.00	6.96	19.42	33.71	9.77	14.66	12.50	9.58	Sep-01
U.S. Equity Blend			6.23	20.63	35.19	10.29	15.26	12.83	9.43	
Over/Under			0.73	-1.21	-1.48	-0.52	-0.60	-0.33	0.15	
RhumbLine Advisers Russell 2000	436,671,791	8.15	9.21	11.21	26.78	1.93	9.44		7.71	Apr-15
Russell 2000 Index			9.27	11.17	26.76	1.84	9.39		7.73	
Over/Under			-0.06	0.04	0.02	0.09	0.05		-0.02	
Rhumblne Advisers Russell 2000 Value	133,582,894	2.49	10.08	9.26	25.90	3.90			8.91	Jan-21
Russell 2000 Value Index			10.15	9.22	25.88	3.77			8.83	
Over/Under			-0.07	0.04	0.02	0.13			0.08	
EAM Investors	105,444,070	1.97	8.17	20.18	28.90	-1.74	8.57		10.19	Oct-15
Russell 2000 Growth Index			8.41	13.22	27.66	-0.35	8.82		9.51	
Over/Under			-0.24	6.96	1.24	-1.39	-0.25		0.68	
Principal Global Investors	410,114,995	7.65	10.34	18.62	35.84	9.02	13.52	14.10	14.05	Aug-14
Russell Midcap Index			9.21	14.63	29.33	5.75	11.30	10.19	10.16	
Over/Under			1.13	3.99	6.51	3.27	2.22	3.91	3.89	
RhumbLine Advisers S&P 500	3,701,007,301	69.05	5.73	21.98	36.22	11.96	15.94	13.33	7.80	Sep-00
S&P 500 Index			5.89	22.08	36.35	11.91	15.98	13.38	7.72	
Over/Under			-0.16	-0.10	-0.13	0.05	-0.04	-0.05	0.08	
Copeland Capital Management	296,090,342	5.52	7.72	10.06	22.06	7.83			15.41	Oct-20
Russell 2000 Index			9.27	11.17	26.76	1.84			11.76	
Over/Under			-1.55	-1.11	-4.70	5.99			3.65	
Granahan Investment Management	142,682,405	2.66	17.86	14.63	28.94	-8.16			5.04	Oct-20
Russell 2000 Growth Index			8.41	13.22	27.66	-0.35			7.16	
Over/Under			9.45	1.41	1.28	-7.81			-2.12	
Segall, Bryant & Hamill	134,444,357	2.51	11.51	12.94	24.20	4.71			13.37	Oct-20
Russell 2000 Value Index			10.15	9.22	25.88	3.77			16.34	
Over/Under			1.36	3.72	-1.68	0.94			-2.97	

Note: All portfolios in U.S. Equity have mid-month inception dates. Since inception return is calculated from the first full month of performance. eA = eVestment

Refer to appendix for blended benchmark definitions.

U.S. EQUITY (NET)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
U.S. Equity	5,360,114,944	100.00	6.93	19.33	33.58	9.66	14.56	12.41	9.40	Sep-01
U.S. Equity Blend			6.23	20.63	35.19	10.29	15.26	12.83	9.43	
Over/Under			0.70	-1.30	-1.61	-0.63	-0.70	-0.42	-0.03	
All Public Plans > \$1B-US Equity Segment Median										
RhumbLine Advisers Russell 2000	436,671,791	8.15	9.21 (33)	11.21 (49)	26.78 (36)	1.92 (69)	9.43 (68)		7.71 (72)	Apr-15
Russell 2000 Index			9.27 (32)	11.17 (50)	26.76 (36)	1.84 (69)	9.39 (68)		7.73 (71)	
Over/Under			-0.06	0.04	0.02	0.08	0.04		-0.02	
eV US Small Cap Equity Median			8.07	11.08	24.75	4.38	10.53		8.55	
Rhumbline Advisers Russell 2000 Value	133,582,894	2.49	10.08 (18)	9.26 (66)	25.89 (41)	3.89 (82)			8.90 (72)	Jan-21
Russell 2000 Value Index			10.15 (18)	9.22 (67)	25.88 (41)	3.77 (82)			8.83 (75)	
Over/Under			-0.07	0.04	0.01	0.12			0.07	
eV US Small-Mid Cap Value Equity Median			8.47	11.50	24.84	7.03			10.36	
EAM Investors	105,444,070	1.97	8.04 (41)	19.68 (17)	28.12 (35)	-2.41 (60)	7.83 (85)		9.43 (87)	Oct-15
Russell 2000 Growth Index			8.41 (35)	13.22 (47)	27.66 (38)	-0.35 (46)	8.82 (68)		9.51 (86)	
Over/Under			-0.37	6.46	0.46	-2.06	-0.99		-0.08	
eV US Small Cap Growth Equity Median			7.61	12.91	26.43	-1.17	9.97		11.36	
Principal Global Investors	410,114,995	7.65	10.25 (12)	18.31 (11)	35.36 (8)	8.63 (31)	13.12 (17)	13.69 (3)	13.64 (3)	Aug-14
Russell Midcap Index			9.21 (26)	14.63 (34)	29.33 (29)	5.75 (52)	11.30 (46)	10.19 (47)	10.16 (46)	
Over/Under			1.04	3.68	6.03	2.88	1.82	3.50	3.48	
eV US Mid Cap Equity Median			7.86	12.49	25.81	6.01	11.10	10.08	9.98	
RhumbLine Advisers S&P 500	3,701,007,301	69.05	5.73 (54)	21.97 (28)	36.21 (31)	11.96 (21)	15.94 (28)	13.32 (26)	9.57 (10)	Sep-00
S&P 500 Index			5.89 (52)	22.08 (27)	36.35 (31)	11.91 (21)	15.98 (27)	13.38 (25)	7.72 (66)	
Over/Under			-0.16	-0.11	-0.14	0.05	-0.04	-0.06	1.85	
eV US Large Cap Equity Median			5.94	18.75	31.85	9.81	13.74	11.70	8.13	

Note: All portfolios in U.S. Equity have mid-month inception dates. Since inception return is calculated from the first full month of performance. eA = eVestment

Refer to appendix for blended benchmark definitions.

U.S. EQUITY (NET)

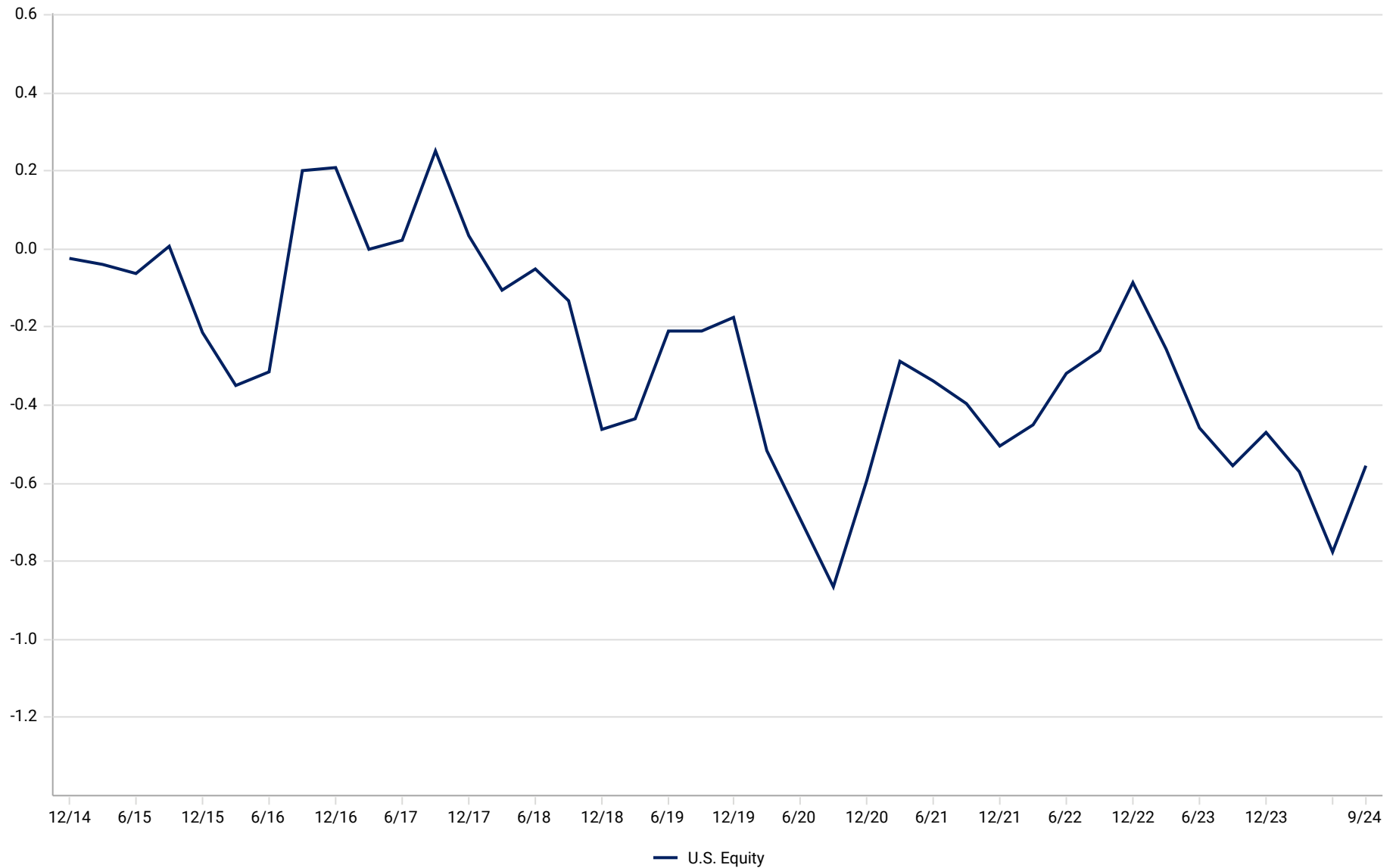
	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Copeland Capital Management	296,090,342	5.52	7.61 (61)	9.68 (63)	21.50 (73)	7.34 (22)			14.95 (47)	Oct-20
Russell 2000 Index			9.27 (32)	11.17 (50)	26.76 (36)	1.84 (69)			11.76 (67)	
Over/Under			-1.66	-1.49	-5.26	5.50			3.19	
eV US Small Cap Equity Median			8.07	11.08	24.75	4.38			14.40	
Granahan Investment Management	142,682,405	2.66	17.68 (1)	14.04 (39)	28.04 (35)	-8.81 (92)			4.33 (74)	Oct-20
Russell 2000 Growth Index			8.41 (35)	13.22 (47)	27.66 (38)	-0.35 (46)			7.16 (55)	
Over/Under			9.27	0.82	0.38	-8.46			-2.83	
eV US Small Cap Growth Equity Median			7.61	12.91	26.43	-1.17			7.72	
Segall, Bryant & Hamill	134,444,357	2.51	11.36 (9)	12.44 (26)	23.46 (58)	4.08 (79)			12.72 (92)	Oct-20
Russell 2000 Value Index			10.15 (20)	9.22 (60)	25.88 (32)	3.77 (80)			16.34 (60)	
Over/Under			1.21	3.22	-2.42	0.31			-3.62	
eV US Small Cap Value Equity Median			8.34	10.14	24.02	6.19			17.24	

Note: All portfolios in U.S. Equity have mid-month inception dates. Since inception return is calculated from the first full month of performance. eA = eVestment

Refer to appendix for blended benchmark definitions.

U.S. EQUITY ROLLING 5 YEAR INFORMATION RATIO

Information Ratio



INVESTMENT MANAGER REPORT CARD

U.S. EQUITY

U.S. Equity Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
Principal Global Investors	Jul-14	Mid Cap	✓	✓	✓	✓	✓	✓	✓	✓	✓	1,046.3	Performance compliant with LACERS' Manager Monitoring Policy
EAM Investors	Sep-15	Small Cap Growth	✗	✓	✓	✓	✗	✗	✗	✗	✗	614.2	Placed on Watch as of 5/28/23 due to performance.
Copeland	Oct-20	Small Cap Core	✗	✗	✗	✗	✓	✓	N/A	N/A	✓	1,083.3	Performance compliant with LACERS' Manager Monitoring Policy
Granahan	Oct-20	Small Cap Growth	✓	✓	✓	✓	✗	✗	N/A	N/A	✗	829.8	Performance compliant with LACERS' Manager Monitoring Policy
Segall Bryant & Hamill	Oct-20	Small Cap Value	✓	✓	✗	✗	✓	✗	N/A	N/A	✗	648	Placed on Watch as of 8/30/24 due to performance
RhumbLine (Passive)	Dec-20	R2000 Value	✗	✓	✓	✓	✓	✗	N/A	N/A	✓	6.5	Performance compliant with LACERS' Manager Monitoring Policy
RhumbLine (Passive)	Feb-93	S&P 500	✗	✗	✗	✓	✓	✓	✗	✓	✓✓	156.1	Performance compliant with LACERS' Manager Monitoring Policy
RhumbLine (Passive)	Jun-15	R2000	✗	✓	✓	✓	✓	✗	✓	✗	✗	14.8	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2023.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✗	Underperformed
=	Equal to
✓✓	Gross Return



NON-U.S. EQUITY MANAGER PERFORMANCE

NON-U.S. EQUITY (GROSS)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Non-U.S. Equity	6,388,395,380	100.00	8.25	13.37	24.64	3.27	8.58	6.38	5.67	Nov-94
MSCI AC World ex USA (Net)			<u>8.06</u>	<u>14.21</u>	<u>25.35</u>	<u>4.14</u>	<u>7.59</u>	<u>5.22</u>	-	
Over/Under			0.19	-0.84	-0.71	-0.87	0.99	1.16	-	
Developed ex-U.S.	4,425,117,472	69.27	9.07	12.39	24.11	4.21	8.79	6.56	8.22	Jul-12
MSCI EAFE (Net)			<u>7.26</u>	<u>12.99</u>	<u>24.77</u>	<u>5.48</u>	<u>8.20</u>	<u>5.71</u>	<u>7.42</u>	
Over/Under			1.81	-0.60	-0.66	-1.27	0.59	0.85	0.80	
Barrow Hanley	597,268,789	9.35	10.48	7.87	17.05	9.31	11.18	6.41	6.36	Dec-13
MSCI EAFE Value Index (Net)			<u>8.89</u>	<u>13.79</u>	<u>23.14</u>	<u>8.94</u>	<u>8.27</u>	<u>4.56</u>	<u>4.28</u>	
Over/Under			1.59	-5.92	-6.09	0.37	2.91	1.85	2.08	
Lazard Asset Management	600,028,560	9.39	5.91	8.69	21.28	2.19	6.74	5.59	5.47	Dec-13
MSCI EAFE (Net)			<u>7.26</u>	<u>12.99</u>	<u>24.77</u>	<u>5.48</u>	<u>8.20</u>	<u>5.71</u>	<u>5.27</u>	
Over/Under			-1.35	-4.30	-3.49	-3.29	-1.46	-0.12	0.20	
MFS Institutional Advisors	678,552,518	10.62	12.49	17.95	31.81	7.49	10.52	9.25	8.40	Nov-13
MSCI World ex USA Growth NR USD			<u>5.87</u>	<u>12.14</u>	<u>26.18</u>	<u>2.02</u>	<u>7.78</u>	<u>6.41</u>	<u>5.98</u>	
Over/Under			6.62	5.81	5.63	5.47	2.74	2.84	2.42	
Oberweis Asset Mgmt	374,111,113	5.86	9.93	15.88	25.53	-8.98	8.15	7.60	7.13	Feb-14
MSCI EAFE Small Cap (Net)			<u>10.54</u>	<u>11.11</u>	<u>23.48</u>	<u>-0.36</u>	<u>6.40</u>	<u>6.21</u>	<u>5.69</u>	
Over/Under			-0.61	4.77	2.05	-8.62	1.75	1.39	1.44	
SSgA World ex US IMI	1,850,861,760	28.97	8.16	13.24	25.17	5.25	8.71	6.22	5.26	Jul-98
MSCI World ex U.S. IMI Index (Net)			<u>8.13</u>	<u>12.89</u>	<u>24.77</u>	<u>4.81</u>	<u>8.14</u>	<u>5.71</u>	<u>5.27</u>	
Over/Under			0.03	0.35	0.40	0.44	0.57	0.51	-0.01	
State Street EAFE SC	324,294,733	5.08	10.48	10.99	23.28	-0.11	-	-	2.50	Jan-21
MSCI EAFE Small Cap (Net)			<u>10.54</u>	<u>11.11</u>	<u>23.48</u>	<u>-0.36</u>	-	-	<u>2.28</u>	
Over/Under			-0.06	-0.12	-0.20	0.25	-	-	0.22	

Note: The Barrow Hanley, Lazard, MFS, Oberweis, MSCI EAFE SC, Axiom Emerging Markets, DFA Emerging Markets, State Street Emerging Markets, Wasatch, portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

eA = eVestment

Refer to appendix for blended benchmark definitions.

Axiom Custom Blended BM consists of MSCI Emerging Markets Growth(Net) through August 2020. MSCI Emerging Markets(Net) from September 2020 to present.

NON-U.S. EQUITY (GROSS)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Emerging Markets	1,963,277,908	30.73	6.53	15.55	25.73	0.58	7.83	5.15	5.13	Jul-12
<i>MSCI Emerging Markets (Net)</i>			<u>8.72</u>	<u>16.86</u>	<u>26.05</u>	<u>0.40</u>	<u>5.75</u>	<u>4.02</u>	<u>4.34</u>	
Over/Under			-2.19	-1.31	-0.32	0.18	2.08	1.13	0.79	
Axiom Emerging Markets	333,752,266	5.22	3.71	17.24	25.54	-5.12	4.59	4.50	4.45	May-14
<i>MSCI Emerging Markets (Net)</i>			<u>8.72</u>	<u>16.86</u>	<u>26.05</u>	<u>0.40</u>	<u>5.75</u>	<u>4.02</u>	<u>4.11</u>	
Over/Under			-5.01	0.38	-0.51	-5.52	-1.16	0.48	0.34	
<i>MSCI Emerging Markets Growth (Net)</i>			<u>9.26</u>	<u>18.49</u>	<u>27.64</u>	<u>-2.26</u>	<u>5.45</u>	<u>4.81</u>	<u>4.85</u>	
Over/Under			-5.55	-1.25	-2.10	-2.86	-0.86	-0.31	-0.40	
<i>Axiom Custom Blended BM</i>			<u>8.72</u>	<u>16.86</u>	<u>26.05</u>	<u>0.40</u>	<u>8.45</u>	<u>6.29</u>	<u>6.27</u>	
Over/Under			-5.01	0.38	-0.51	-5.52	-3.86	-1.79	-1.82	
DFA Emerging Markets	630,704,038	9.87	7.48	16.39	25.49	7.10	9.82	5.46	4.55	Aug-14
<i>MSCI Emerging Markets Value (Net)</i>			<u>8.12</u>	<u>15.11</u>	<u>24.38</u>	<u>3.29</u>	<u>5.94</u>	<u>3.12</u>	<u>2.44</u>	
Over/Under			-0.64	1.28	1.11	3.81	3.88	2.34	2.11	
State Street Emerging Markets	636,421,561	9.96	8.11	15.87	24.90	0.08	-	-	-0.36	Jan-21
<i>MSCI Emerging Markets (Net)</i>			<u>8.72</u>	<u>16.86</u>	<u>26.05</u>	<u>0.40</u>	-	-	<u>-0.01</u>	
Over/Under			-0.61	-0.99	-1.15	-0.32	-	-	-0.35	
Wasatch Global Investors	362,242,463	5.67	4.85	12.12	27.78	-2.53	-	-	4.61	Jan-21
<i>MSCI Emerging Markets Small Cap (Net)</i>			<u>5.48</u>	<u>12.91</u>	<u>23.01</u>	<u>5.14</u>	-	-	<u>8.59</u>	
Over/Under			-0.63	-0.79	4.77	-7.67	-	-	-3.98	
Sanctioned Asset	157,580	0.00	0.00	0.00	0.00	-	-	-	0.00	Jun-22

Note: The Barrow Hanley, Lazard, MFS, Oberweis, MSCI EAFE SC, Axiom Emerging Markets, DFA Emerging Markets, State Street Emerging Markets, Wasatch, portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

eA = eVestment

Refer to appendix for blended benchmark definitions.

Axiom Custom Blended BM consists of MSCI Emerging Markets Growth(Net) through August 2020. MSCI Emerging Markets(Net) from September 2020 to present.

NON-U.S. EQUITY (NET)

	Allocation		Performance (%)								
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Non-U.S. Equity	6,388,395,380	100.00	8.15 (32)	13.06 (50)	24.21 (56)	2.92 (56)	8.22 (48)	6.01 (49)	6.37 (56)	Jun-01	
MSCI AC World ex USA (Net)			8.06 (34)	14.21 (34)	25.35 (41)	4.14 (40)	7.59 (63)	5.22 (76)	5.75 (76)		
Over/Under			0.09	-1.15	-1.14	-1.22	0.63	0.79	0.62		
eV All ACWI ex-US Equity Median			7.16	13.00	24.65	3.50	8.02	5.94	6.53		
Developed ex-U.S.	4,425,117,472	69.27	9.00	12.17	23.79	3.95	8.50	6.25	7.93	Jul-12	
MSCI EAFE (Net)			7.26	12.99	24.77	5.48	8.20	5.71	7.42		
Over/Under			1.74	-0.82	-0.98	-1.53	0.30	0.54	0.51		
Barrow Hanley	597,268,789	9.35	10.36 (15)	7.51 (95)	16.54 (93)	8.83 (26)	10.69 (17)	5.90 (30)	5.86 (22)	Dec-13	
MSCI EAFE Value Index (Net)			8.89 (51)	13.79 (38)	23.14 (42)	8.94 (25)	8.27 (48)	4.56 (73)	4.28 (70)		
Over/Under			1.47	-6.28	-6.60	-0.11	2.42	1.34	1.58		
eV EAFE Value Equity Median			8.91	13.04	22.31	6.90	8.21	5.22	4.92		
Lazard Asset Management	600,028,560	9.39	5.80 (81)	8.35 (88)	20.75 (82)	1.72 (77)	6.24 (84)	5.05 (79)	4.95 (71)	Dec-13	
MSCI EAFE (Net)			7.26 (60)	12.99 (47)	24.77 (41)	5.48 (39)	8.20 (50)	5.71 (61)	5.27 (62)		
Over/Under			-1.46	-4.64	-4.02	-3.76	-1.96	-0.66	-0.32		
eV All EAFE Equity Median			7.68	12.80	24.05	4.57	8.20	5.95	5.49		
MFS Institutional Advisors	678,552,518	10.62	12.39 (1)	17.63 (16)	31.33 (21)	7.08 (1)	10.10 (14)	8.77 (1)	7.93 (1)	Nov-13	
MSCI World ex USA Growth NR USD			5.87 (55)	12.14 (61)	26.18 (31)	2.02 (37)	7.78 (60)	6.41 (39)	5.98 (42)		
Over/Under			6.52	5.49	5.15	5.06	2.32	2.36	1.95		
eV EAFE All Cap Growth Median			6.06	12.66	25.52	1.82	8.09	5.86	5.49		
Oberweis Asset Mgmt	374,111,113	5.86	9.73 (41)	15.24 (18)	24.59 (40)	-9.69 (96)	7.30 (52)	6.72 (42)	6.26 (35)	Feb-14	
MSCI EAFE Small Cap (Net)			10.54 (27)	11.11 (56)	23.48 (51)	-0.36 (51)	6.40 (65)	6.21 (61)	5.69 (61)		
Over/Under			-0.81	4.13	1.11	-9.33	0.90	0.51	0.57		
eV EAFE Small Cap Equity Median			9.31	11.80	23.69	-0.28	7.38	6.40	6.01		

Note: The Barrow Hanley, Lazard, MFS, Oberweis, MSCI EAFE SC, Axiom Emerging Markets, DFA Emerging Markets, State Street Emerging Markets, Wasatch, portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

eA = eVestment

Refer to appendix for blended benchmark definitions.

Axiom Custom Blended BM consists of MSCI Emerging Markets Growth(Net) through August 2020. MSCI Emerging Markets(Net) from September 2020 to present.

NON-U.S. EQUITY (NET)

	Allocation		Performance (%)								
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
SSgA World ex US IMI	1,850,861,760	28.97	8.16 (41)	13.22 (44)	25.14 (40)	5.22 (35)	8.69 (39)	6.19 (40)	5.24 (85)	Jul-98	
MSCI World ex U.S. IMI Index (Net)			8.13 (42)	12.89 (49)	24.77 (43)	4.81 (43)	8.14 (53)	5.71 (64)	5.27 (84)		
Over/Under			0.03	0.33	0.37	0.41	0.55	0.48	-0.03		
eV EAFE Core Equity Median			7.64	12.75	24.34	4.32	8.19	6.05	5.93		
State Street EAFE SC	324,294,733	5.08	10.47 (27)	10.96 (56)	23.23 (54)	-0.15 (50)	-	-	2.46 (56)	Jan-21	
MSCI EAFE Small Cap (Net)			10.54 (27)	11.11 (56)	23.48 (51)	-0.36 (51)	-	-	2.28 (57)		
Over/Under			-0.07	-0.15	-0.25	0.21	-	-	0.18		
eV EAFE Small Cap Equity Median			9.31	11.80	23.69	-0.28	-	-	2.76		
Emerging Markets	1,963,277,908	30.73	6.34	15.03	25.03	0.04	7.29	4.60	4.54	Jul-12	
MSCI Emerging Markets (Net)			8.72	16.86	26.05	0.40	5.75	4.02	4.34		
Over/Under			-2.38	-1.83	-1.02	-0.36	1.54	0.58	0.20		
Axiom Emerging Markets	333,752,266	5.22	3.43 (90)	16.36 (36)	24.37 (48)	-5.93 (95)	3.79 (84)	3.74 (72)	3.70 (79)	May-14	
MSCI Emerging Markets (Net)			8.72 (27)	16.86 (31)	26.05 (32)	0.40 (55)	5.75 (60)	4.02 (65)	4.11 (66)		
Over/Under			-5.29	-0.50	-1.68	-6.33	-1.96	-0.28	-0.41		
eV Emg Mkts Equity Median			7.07	15.03	24.17	1.17	6.50	4.61	4.67		
MSCI Emerging Markets Growth (Net)			9.26 (19)	18.49 (20)	27.64 (22)	-2.26 (77)	5.45 (64)	4.81 (43)	4.85 (44)		
Over/Under			-5.83	-2.13	-3.27	-3.67	-1.66	-1.07	-1.15		
Axiom Custom Blended BM			8.72 (27)	16.86 (31)	26.05 (32)	0.40 (55)	8.45 (27)	6.29 (15)	6.27 (17)		
Over/Under			-5.29	-0.50	-1.68	-6.33	-4.66	-2.55	-2.57		
DFA Emerging Markets	630,704,038	9.87	7.32 (47)	15.94 (39)	24.88 (43)	6.62 (12)	9.33 (21)	4.95 (38)	4.06 (49)	Aug-14	
MSCI Emerging Markets Value (Net)			8.12 (34)	15.11 (49)	24.38 (48)	3.29 (31)	5.94 (57)	3.12 (87)	2.44 (88)		
Over/Under			-0.80	0.83	0.50	3.33	3.39	1.83	1.62		
eV Emg Mkts Equity Median			7.07	15.03	24.17	1.17	6.50	4.61	4.02		
State Street Emerging Markets	636,421,561	9.96	8.10 (35)	15.84 (41)	24.86 (43)	0.04 (57)	-	-	-0.40 (60)	Jan-21	
MSCI Emerging Markets (Net)			8.72 (27)	16.86 (31)	26.05 (32)	0.40 (55)	-	-	-0.01 (59)		
Over/Under			-0.62	-1.02	-1.19	-0.36	-	-	-0.39		
eV Emg Mkts Equity Median			7.07	15.03	24.17	1.17	-	-	1.30		

Note: The Barrow Hanley, Lazard, MFS, Oberweis, MSCI EAFE SC, Axiom Emerging Markets, DFA Emerging Markets, State Street Emerging Markets, Wasatch, portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

eA = eVestment

Refer to appendix for blended benchmark definitions.

Axiom Custom Blended BM consists of MSCI Emerging Markets Growth(Net) through August 2020. MSCI Emerging Markets(Net) from September 2020 to present.

NON-U.S. EQUITY (NET)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Wasatch Global Investors	362,242,463	5.67	4.42 (66)	10.97 (67)	26.24 (37)	-3.66 (99)	-	-	3.52 (87)	Jan-21
MSCI Emerging Markets Small Cap (Net)			5.48 (43)	12.91 (51)	23.01 (55)	5.14 (47)	-	-	8.59 (43)	
Over/Under			-1.06	-1.94	3.23	-8.80	-	-	-5.07	
eV Emg Mkts Small Cap Equity Median			4.85	12.92	23.84	4.66	-	-	7.78	
Sanctioned Asset	157,580	0.00	0.00	0.00	0.00	-	-	-	0.00	Jun-22

Note: The Barrow Hanley, Lazard, MFS, Oberweis, MSCI EAFE SC, Axiom Emerging Markets, DFA Emerging Markets, State Street Emerging Markets, Wasatch, portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

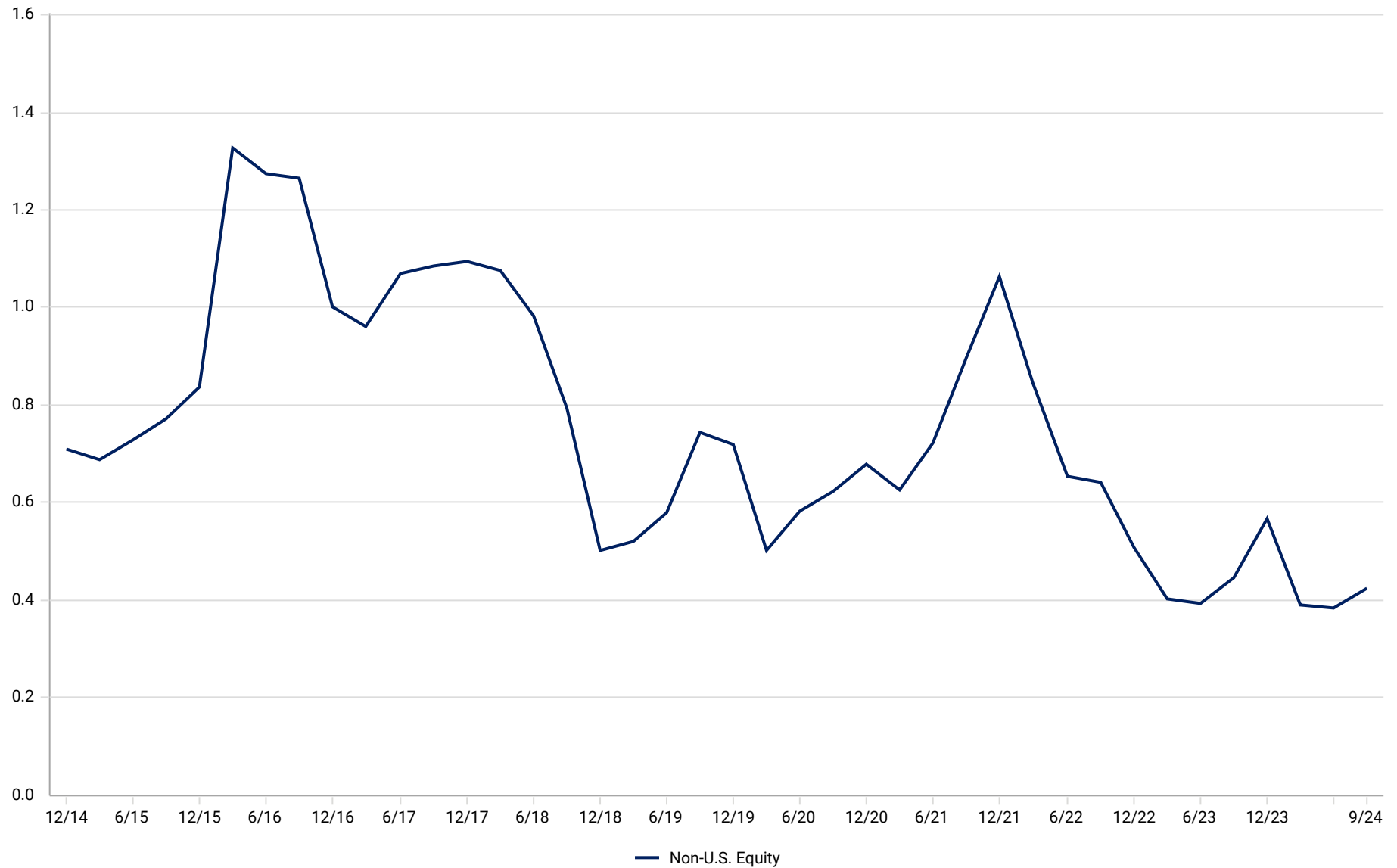
eA = eVestment

Refer to appendix for blended benchmark definitions.

Axiom Custom Blended BM consists of MSCI Emerging Markets Growth(Net) through August 2020. MSCI Emerging Markets(Net) from September 2020 to present.

NON-U.S. EQUITY ROLLING 5 YEAR INFORMATION RATIO

Information Ratio



INVESTMENT MANAGER REPORT CARD

NON-U.S. EQUITY

Non-U.S. Equity Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
SSgA (Passive)	Dec-20	Emerging Markets	✖	✓	✖	✓	✖	✖	N/A	N/A	✖	215.3	Performance compliant with LACERS' Manager Monitoring Policy
Axiom International	Mar-14	Emerging Markets	✖	✖	✖	✓	✖	✖	✖	✖	✖	1,631.8	Placed on Watch as of 4/4/23 due to performance.
DFA Emerging Markets	Jul-14	Emerging Markets	✖	✓	✓	✓	✓	✓	✓	✓	✓	1,758.5	Placed on Watch as of 8/30/24 due to performance
Wasatch	Dec-20	Emerging Markets Small Cap	✖	✖	✓	✓	✖	✖	N/A	N/A	✖	2,034.5	Performance compliant with LACERS' Manager Monitoring Policy
Oberweis Asset Mgt.	Jan-14	Non-U.S. Developed	✖	✓	✓	✓	✖	✖	✓	✖	✓	2,437.1	Placed on Watch as of 8/30/24 due to performance
Barrow, Hanley, Mewhinney & Strauss	Nov-13	Non-U.S. Developed	✓	✓	✖	✖	✖	✓	✓	✓	✓	2,348.3	Performance compliant with LACERS' Manager Monitoring Policy
Lazard Asset Mgt.	Nov-13	Non-U.S. Developed	✖	✖	✖	✖	✖	✖	✖	✖	✖	2,479.9	Placed on Watch as of 5/28/24 due to performance.
MFS Institutional Advisors	Oct-13	Non-U.S. Developed	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,091.3	Performance compliant with LACERS' Manager Monitoring Policy
SsgA (Passive)	Dec-20	Non-U.S. Developed Small Cap	✖	✓	✖	✖	✓	✖	N/A	N/A	✓	121.8	Performance compliant with LACERS' Manager Monitoring Policy
SsgA (Passive)	Aug-93	Non-U.S. Developed	✓	✓	✓	✓	✓	✓	✓	✓	✖	271.4	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2023.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✖	Underperformed
=	Equal to
✓✓	Gross Return





CORE FIXED INCOME MANAGER PERFORMANCE

CORE FIXED INCOME (GROSS)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Core Fixed Income	3,362,791,137	100.00	5.27	4.77	12.10	-1.02	0.98	2.29	2.51	Jul-12
Core Fixed Income Blend			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	<u>0.33</u>	<u>1.84</u>	<u>1.89</u>	
Over/Under			0.07	0.32	0.53	0.37	0.65	0.45	0.62	
Loomis Sayles & Co. Core Fixed Income	672,364,606	19.99	4.98	4.36	11.45	-1.12	1.15	2.63	8.09	Jul-80
Loomis Custom Benchmark			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	<u>0.33</u>	<u>1.84</u>	<u>6.72</u>	
Over/Under			-0.22	-0.09	-0.12	0.27	0.82	0.79	1.37	
SSgA U.S. Aggregate Bond	727,170,384	21.62	5.21	4.58	11.62	-1.36	0.36	1.87	1.89	Aug-14
Blmbg. U.S. Aggregate Index			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	<u>0.33</u>	<u>1.84</u>	<u>1.85</u>	
Over/Under			0.01	0.13	0.05	0.03	0.03	0.03	0.04	
Baird Advisors Core Fixed Income	656,627,676	19.53	5.33	5.27	12.77	-0.86	-	-	-0.72	Jul-21
Blmbg. U.S. Aggregate Index			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	-	-	<u>-1.27</u>	
Over/Under			0.13	0.82	1.20	0.53	-	-	0.55	
Garcia Hamilton & Associates	382,717,298	11.38	6.18	4.62	13.02	-0.70	-	-	-0.65	Jul-21
Blmbg. U.S. Aggregate Index			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	-	-	<u>-1.27</u>	
Over/Under			0.98	0.17	1.45	0.69	-	-	0.62	
JP Morgan Investment Management	449,797,213	13.38	5.20	5.17	12.18	-0.69	-	-	-0.59	Jul-21
Blmbg. U.S. Aggregate Index			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	-	-	<u>-1.27</u>	
Over/Under			0.00	0.72	0.61	0.70	-	-	0.68	
Income Research & Management	474,091,752	14.10	5.21	4.96	12.26	-0.97	-	-	-0.84	Jul-21
Blmbg. U.S. Aggregate Index			<u>5.20</u>	<u>4.45</u>	<u>11.57</u>	<u>-1.39</u>	-	-	<u>-1.27</u>	
Over/Under			0.01	0.51	0.69	0.42	-	-	0.43	

Note: All portfolios in Core Fixed Income have mid-month inception dates. Since inception return is calculated from the first full month of performance.

- Core Fixed Income Blend = 100% Bloomberg U.S. Aggregate Index

Refer to appendix for blended benchmark definitions.

CORE FIXED INCOME (NET)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Core Fixed Income	3,362,791,137	100.00	5.24	4.70	11.98	-1.12	0.89	2.19	2.40	Jul-12
Core Fixed Income Blend			5.20	4.45	11.57	-1.39	0.33	1.84	1.89	
Over/Under			0.04	0.25	0.41	0.27	0.56	0.35	0.51	
Loomis Sayles & Co. Core Fixed Income	672,364,606	19.99	4.94 (78)	4.26 (92)	11.30 (81)	-1.26 (59)	1.02 (20)	2.50 (7)	8.02 (-)	Jul-80
Loomis Custom Benchmark			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	0.33 (85)	1.84 (78)	6.72 (-)	
Over/Under			-0.26	-0.19	-0.27	0.13	0.69	0.66	1.30	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	0.67	2.07	-	
SSgA U.S. Aggregate Bond	727,170,384	21.62	5.20 (41)	4.57 (77)	11.60 (70)	-1.39 (72)	0.34 (85)	1.84 (78)	1.85 (77)	Aug-14
Blmbg. U.S. Aggregate Index			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	0.33 (85)	1.84 (78)	1.85 (77)	
Over/Under			0.00	0.12	0.03	0.00	0.01	0.00	0.00	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	0.67	2.07	2.07	
Baird Advisors Core Fixed Income	656,627,676	19.53	5.30 (22)	5.18 (19)	12.65 (14)	-0.97 (25)	-	-	-0.82 (22)	Jul-21
Blmbg. U.S. Aggregate Index			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	-	-	-1.27 (72)	
Over/Under			0.10	0.73	1.08	0.42	-	-	0.45	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	-	-	-1.10	
Garcia Hamilton & Associates	382,717,298	11.38	6.15 (1)	4.52 (81)	12.87 (9)	-0.82 (17)	-	-	-0.77 (18)	Jul-21
Blmbg. U.S. Aggregate Index			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	-	-	-1.27 (72)	
Over/Under			0.95	0.07	1.30	0.57	-	-	0.50	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	-	-	-1.10	
JP Morgan Investment Management	449,797,213	13.38	5.17 (45)	5.07 (25)	12.04 (42)	-0.82 (17)	-	-	-0.70 (16)	Jul-21
Blmbg. U.S. Aggregate Index			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	-	-	-1.27 (72)	
Over/Under			-0.03	0.62	0.47	0.57	-	-	0.57	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	-	-	-1.10	
Income Research & Management	474,091,752	14.10	5.17 (45)	4.86 (41)	12.13 (36)	-1.10 (41)	-	-	-0.96 (35)	Jul-21
Blmbg. U.S. Aggregate Index			5.20 (42)	4.45 (85)	11.57 (71)	-1.39 (72)	-	-	-1.27 (72)	
Over/Under			-0.03	0.41	0.56	0.29	-	-	0.31	
eV US Core Fixed Inc Median			5.15	4.78	11.94	-1.20	-	-	-1.10	

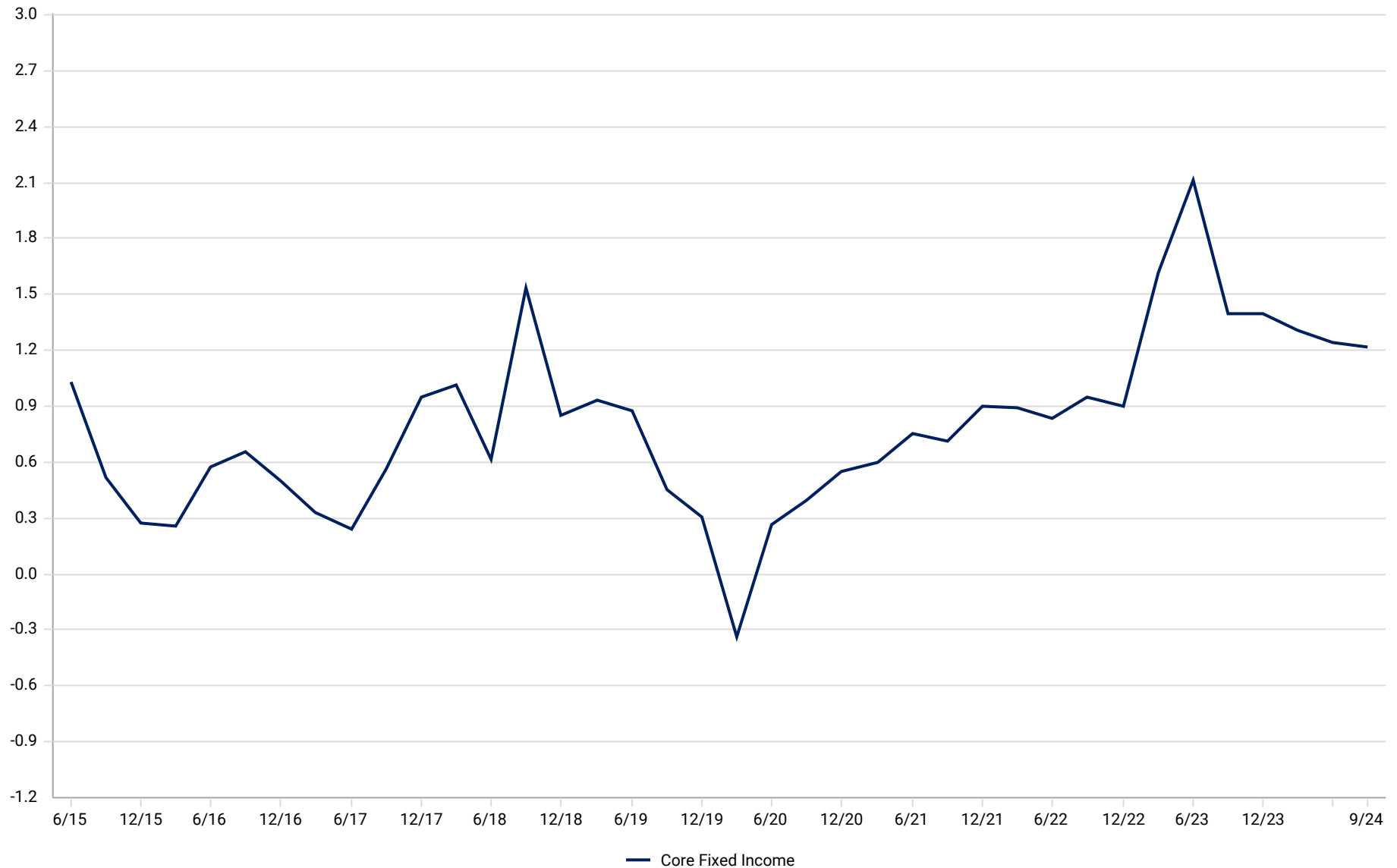
Note: All portfolios in Core Fixed Income have mid-month inception dates. Since inception return is calculated from the first full month of performance.

- Core Fixed Income Blend = 100% Bloomberg U.S. Aggregate Index

Refer to appendix for blended benchmark definitions.

CORE FIXED INCOME 3 YEAR INFORMATION RATIO

Information Ratio



INVESTMENT MANAGER REPORT CARD

CORE FIXED INCOME

Core Fixed Income Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
Loomis Sayles	Jul-80	Core	✗	✗	✗	✗	✓	✗	✓	✓	✓✓	773.1	Performance compliant with LACERS' Manager Monitoring Policy
Baird Advisors	Jul-21	Core	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	602.6	Performance compliant with LACERS' Manager Monitoring Policy
Garcia Hamilton	Jul-21	Core	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	480.4	Performance compliant with LACERS' Manager Monitoring Policy
IR&M	Jul-21	Core	✗	✓	✓	✓	✓	✓	N/A	N/A	✓	485.3	Performance compliant with LACERS' Manager Monitoring Policy
J.P. Morgan	Jul-21	Core	✗	✓	✓	✓	✓	✓	N/A	N/A	✓	470.3	Performance compliant with LACERS' Manager Monitoring Policy
SSgA (Passive)	Aug-14	Core	✓	✓	✓	✗	✓	✗	✓	✗	✓	193.3	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2023.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✗	Underperformed
=	Equal to
✓✓	Gross Return



CREDIT OPPORTUNITIES MANAGER PERFORMANCE

Los Angeles City Employees' Retirement System-LACERS Master Trust

CREDIT OPPORTUNITIES (GROSS)

September 30, 2024

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Credit Opportunities	2,259,844,265	100.0	5.26	7.31	14.20	2.75	3.35	4.31	4.72	Jul-13
Credit Opportunities Blend			4.47	6.70	13.29	2.00	3.26	4.39	4.79	
Over/Under			0.79	0.61	0.91	0.75	0.09	-0.08	-0.07	
PGIM Blended	520,038,062	23.0	7.72	7.49	16.64	1.62			0.60	Feb-21
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			7.57	6.80	16.00	0.12			-0.68	
Over/Under			0.15	0.69	0.64	1.50			1.28	
Wellington	508,530,837	22.5	7.81	6.67	16.88	1.25			0.39	Feb-21
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			7.57	6.80	16.00	0.12			-0.68	
Over/Under			0.24	-0.13	0.88	1.13			1.07	
Bain Capital Senior Loan Fund, LP	287,869,062	12.7	2.23	6.90	9.81	5.85	6.00		5.08	Jul-15
Credit Suisse Leveraged Loan Index			2.05	6.58	9.62	6.28	5.60		4.98	
Over/Under			0.18	0.32	0.19	-0.43	0.40		0.10	
Polen Capital	273,341,355	12.1	2.70	8.56	13.08	4.20			5.79	Nov-20
50% BBgBarc US High Yield 2% Issuer Cap / 50% Credit Suisse Leveraged Loan Index			3.66	7.30	12.67	4.74			6.04	
Over/Under			-0.96	1.26	0.41	-0.54			-0.25	
Loomis Sayles & Co. High Yield	375,311,799	16.6	5.77	8.24	15.17	2.54			4.75	Nov-20
Blmbg. U.S. High Yield - 2% Issuer Cap			5.28	8.00	15.73	3.09			5.06	
Over/Under			0.49	0.24	-0.56	-0.55			-0.31	
Private Credit	294,471,106	13.0	1.24	6.56	9.40	7.45			5.80	Dec-20
Credit Suisse Leveraged Loan Qtr Lag			1.87	7.42	11.04	5.97			6.76	
Over/Under			-0.63	-0.86	-1.64	1.48			-0.96	

Note: All portfolios within Credit Opportunities have mid-month inception dates. Since inception return is calculated from the first full month of performance.
eA = eVestment

Refer to appendix for blended benchmark definitions.



CREDIT OPPORTUNITIES (NET)

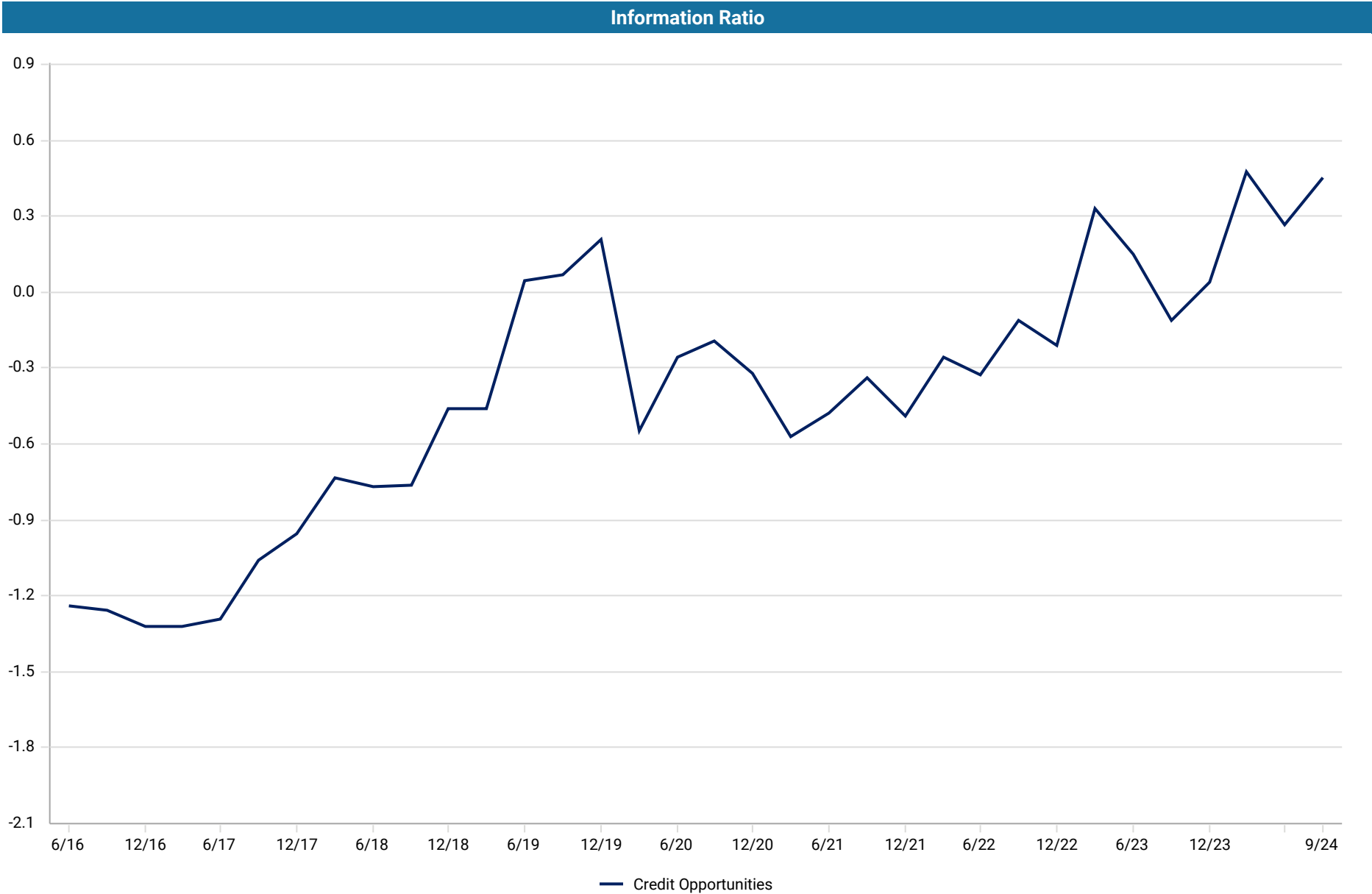
	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Credit Opportunities	2,259,844,265	100.0	5.18	7.06	13.85	2.41	3.03	3.97	4.39	Jul-13
Credit Opportunities Blend			4.47	6.70	13.29	2.00	3.26	4.39	4.79	
Over/Under			0.71	0.36	0.56	0.41	-0.23	-0.42	-0.40	
PGIM Blended	520,038,062	23.0	7.63 (21)	7.22 (59)	16.26 (48)	1.28 (40)			0.30 (53)	Feb-21
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			7.57 (22)	6.80 (65)	16.00 (51)	0.12 (71)			-0.68 (79)	
Over/Under			0.06	0.42	0.26	1.16			0.98	
eV All Emg Mkts Fixed Inc Median			6.12	8.08	16.02	0.91			0.35	
Wellington	508,530,837	22.5	7.69 (21)	6.30 (72)	16.34 (48)	0.76 (55)			-0.06 (63)	Feb-21
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			7.57 (22)	6.80 (65)	16.00 (51)	0.12 (71)			-0.68 (79)	
Over/Under			0.12	-0.50	0.34	0.64			0.62	
eV All Emg Mkts Fixed Inc Median			6.12	8.08	16.02	0.91			0.35	
Bain Capital Senior Loan Fund, LP	287,869,062	12.7	2.23 (17)	6.90 (26)	9.81 (41)	5.85 (40)	6.00 (7)		5.08 (10)	Jul-15
Credit Suisse Leveraged Loan Index			2.05 (44)	6.58 (37)	9.62 (42)	6.28 (18)	5.60 (19)		4.98 (17)	
Over/Under			0.18	0.32	0.19	-0.43	0.40		0.10	
eV US Float-Rate Bank Loan Fixed Inc Median			1.99	6.21	9.32	5.64	5.01		4.42	
Polen Capital	273,341,355	12.1	2.57 (98)	8.16 (22)	12.52 (83)	3.67 (30)			5.29 (33)	Nov-20
50% BBgBarc US High Yield 2% Issuer Cap / 50% Credit Suisse Leveraged Loan Index			3.66 (80)	7.30 (51)	12.67 (81)	4.74 (6)			6.04 (16)	
Over/Under			-1.09	0.86	-0.15	-1.07			-0.75	
eV US High Yield Fixed Inc Median			4.41	7.35	14.31	3.14			4.80	
Loomis Sayles & Co. High Yield	375,311,799	16.6	5.67 (4)	7.95 (27)	14.77 (39)	2.15 (87)			4.40 (70)	Nov-20
Blmbg. U.S. High Yield - 2% Issuer Cap			5.28 (11)	8.00 (25)	15.73 (13)	3.09 (52)			5.06 (41)	
Over/Under			0.39	-0.05	-0.96	-0.94			-0.66	
eV US High Yield Fixed Inc Median			4.41	7.35	14.31	3.14			4.80	
Private Credit	294,471,106	13.0	1.24	6.56	9.40	7.45			5.80	Dec-20
Credit Suisse Leveraged Loan Qtr Lag			1.87	7.42	11.04	5.97			6.76	
Over/Under			-0.63	-0.86	-1.64	1.48			-0.96	

Note: All portfolios within Credit Opportunities have mid-month inception dates. Since inception return is calculated from the first full month of performance.

eA = eVestment

Refer to appendix for blended benchmark definitions.

CREDIT OPPORTUNITIES ROLLING 3 YEAR



INVESTMENT MANAGER REPORT CARD

CREDIT OPPORTUNITIES

Credit Opportunities Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
PGIM	Feb-21	Emerging Market Debt Blended	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	1,451.0	Performance compliant with LACERS' Manager Monitoring Policy
Wellington	Feb-21	Emerging Market Debt Blended	✓	✓	✓	✓	✓	✗	N/A	N/A	✓	2,075.0	Performance compliant with LACERS' Manager Monitoring Policy
Bain	Jun-15	Bank Loans	✓	✓	✓	✓	✗	✓	✓	✓	✓	N/A	Performance compliant with LACERS' Manager Monitoring Policy
Loomis Sayles	Nov-20	High Yield	✓	✓	✗	✓	✗	✗	N/A	N/A	✗	800.1	Placed on Watch as of 8/30/24 due to performance
Polen Capital	Nov-20	High Yield/Bank Loan	✗	✗	✗	✗	✗	✓	N/A	N/A	✗	1,150.2	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2023.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✗	Underperformed
=	Equal to
✓✓	Gross Return



REAL ASSETS MANAGER PERFORMANCE

REAL ASSETS (GROSS)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Assets	2,791,296,581	100.00	4.87	2.28	6.11	0.90	3.12	4.68	5.77	Dec-94
Real Assets Policy Benchmark			<u>4.14</u>	<u>2.83</u>	<u>5.38</u>	<u>-0.19</u>	<u>3.41</u>	<u>4.99</u>	<u>7.17</u>	
Over/Under			0.73	-0.55	0.73	1.09	-0.29	-0.31	-1.40	
Public Real Assets	1,462,729,783	52.40	9.65	9.59	19.65	1.41	4.53	3.55	3.23	Jul-14
Public Real Assets Blend			<u>8.25</u>	<u>7.98</u>	<u>18.19</u>	<u>1.07</u>	<u>4.28</u>	<u>2.34</u>	<u>1.91</u>	
Over/Under			1.40	1.61	1.46	0.34	0.25	1.21	1.32	
TIPS	844,119,712	30.24	4.27	5.08	9.70	-0.80	2.70	2.61	2.32	Aug-14
Blmbg. U.S. TIPS			<u>4.12</u>	<u>4.85</u>	<u>9.79</u>	<u>-0.57</u>	<u>2.62</u>	<u>2.54</u>	<u>2.28</u>	
Over/Under			0.15	0.23	-0.09	-0.23	0.08	0.07	0.04	
DFA US TIPS	844,119,712	30.24	4.27	5.08	9.70	-0.80	2.70	2.68	2.40	Aug-14
Blmbg. U.S. TIPS			<u>4.12</u>	<u>4.85</u>	<u>9.79</u>	<u>-0.57</u>	<u>2.62</u>	<u>2.54</u>	<u>2.28</u>	
Over/Under			0.15	0.23	-0.09	-0.23	0.08	0.14	0.12	
REITS	618,610,070	22.16	17.93	16.40	37.89	5.12	7.57	-	8.66	Apr-15
FTSE NAREIT All Equity REITs			<u>16.79</u>	<u>14.23</u>	<u>34.77</u>	<u>3.51</u>	<u>5.09</u>	<u>-</u>	<u>6.66</u>	
Over/Under			1.14	2.17	3.12	1.61	2.48	-	2.00	
CenterSquare US Real Estate	618,610,070	22.16	17.93	16.40	37.89	5.12	7.57	-	9.09	May-15
FTSE NAREIT All Equity REITs			<u>16.79</u>	<u>14.23</u>	<u>34.77</u>	<u>3.51</u>	<u>5.09</u>	<u>-</u>	<u>7.29</u>	
Over/Under			1.14	2.17	3.12	1.61	2.48	-	1.80	
Private Real Estate	1,308,922,089	46.89	0.05	-4.90	-6.67	2.14	2.31	5.64	6.11	Nov-94
Real Estate Blend			<u>0.45</u>	<u>-1.98</u>	<u>-6.52</u>	<u>0.62</u>	<u>3.77</u>	<u>6.94</u>	<u>8.79</u>	
Over/Under			-0.40	-2.92	-0.15	1.52	-1.46	-1.30	-2.68	
Timber	19,644,709	0.70	-0.21	5.42	5.33	7.07	5.26	4.07	8.45	Oct-99

Note: The DFA U.S. TIPS and CenterSquare US Real Estate portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

Refer to appendix for blended benchmark definitions.

REAL ASSETS (NET)

	Allocation		Performance (%)							
	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Assets	2,791,296,581	100.00	4.84	2.19	5.99	0.78	2.98	4.54	4.63	Jun-01
Real Assets Policy Benchmark			4.14	2.83	5.38	-0.19	3.41	4.99	5.72	
Over/Under			0.70	-0.64	0.61	0.97	-0.43	-0.45	-1.09	
Public Real Assets	1,462,729,783	52.40	9.60	9.44	19.44	1.25	4.35	3.35	3.04	Jul-14
Public Real Assets Blend			8.25	7.98	18.19	1.07	4.28	2.34	1.91	
Over/Under			1.35	1.46	1.25	0.18	0.07	1.01	1.13	
TIPS	844,119,712	30.24	4.26	5.04	9.65	-0.85	2.65	2.55	2.27	Aug-14
Blmbg. U.S. TIPS			4.12	4.85	9.79	-0.57	2.62	2.54	2.28	
Over/Under			0.14	0.19	-0.14	-0.28	0.03	0.01	-0.01	
DFA US TIPS	844,119,712	30.24	4.26 (17)	5.04 (31)	9.65 (47)	-0.85 (78)	2.65 (49)	2.63 (17)	2.34 (20)	Aug-14
Blmbg. U.S. TIPS			4.12 (45)	4.85 (70)	9.79 (29)	-0.57 (56)	2.62 (52)	2.54 (40)	2.28 (35)	
Over/Under			0.14	0.19	-0.14	-0.28	0.03	0.09	0.06	
eV US TIPS / Inflation Fixed Inc Median			4.04	4.94	9.60	-0.44	2.64	2.50	2.25	
REITS	618,610,070	22.16	17.83	16.07	37.37	4.73	7.16	-	8.23	Apr-15
FTSE NAREIT All Equity REITs			16.79	14.23	34.77	3.51	5.09	-	6.66	
Over/Under			1.04	1.84	2.60	1.22	2.07	-	1.57	
CenterSquare US Real Estate	618,610,070	22.16	17.83 (10)	16.07 (25)	37.37 (9)	4.73 (21)	7.16 (14)	-	8.66 (5)	May-15
FTSE NAREIT All Equity REITs			16.79 (33)	14.23 (63)	34.77 (33)	3.51 (61)	5.09 (62)	-	7.29 (42)	
Over/Under			1.04	1.84	2.60	1.22	2.07	-	1.37	
eV US REIT Median			16.17	14.93	33.42	3.58	5.64	-	7.11	
Private Real Estate	1,308,922,089	46.89	0.03	-4.94	-6.72	2.07	2.23	5.56	5.11	Jul-01
Real Estate Blend			0.45	-1.98	-6.52	0.62	3.77	6.94	7.96	
Over/Under			-0.42	-2.96	-0.20	1.45	-1.54	-1.38	-2.85	
Timber	19,644,709	0.70	-0.21	5.42	5.33	7.07	5.26	4.07	7.57	Sep-01

Note: The DFA U.S. TIPS and CenterSquare US Real Estate portfolios have mid-month inception dates. Since inception return is calculated from the first full month of performance.

Refer to appendix for blended benchmark definitions.

INVESTMENT MANAGER REPORT CARD

REAL ASSETS

Real Assets Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
DFA	Jul-14	U.S. TIPS	✓	✓	✗	✓	✗	✗	✓	✓	✓	492.4	Placed on Watch as of 8/30/24 due to performance
CenterSquare	Apr-15	REITS	✓	✓	✓	✓	✓	✓	✓	✓	✓	1,820.7	Performance compliant with LACERS' Manager Monitoring Policy

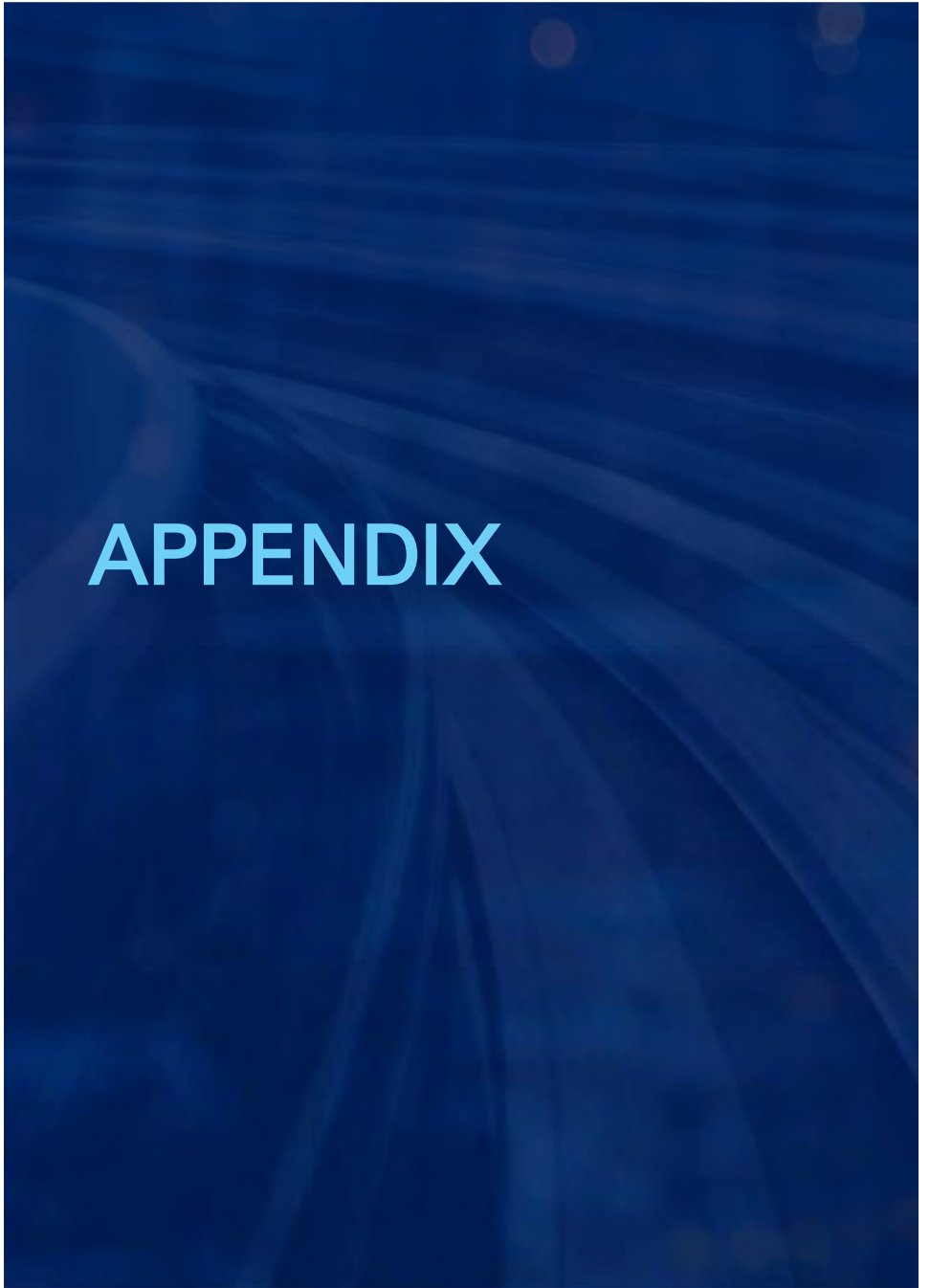
Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2023.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✗	Underperformed
=	Equal to
✓✓	Gross Return



APPENDIX

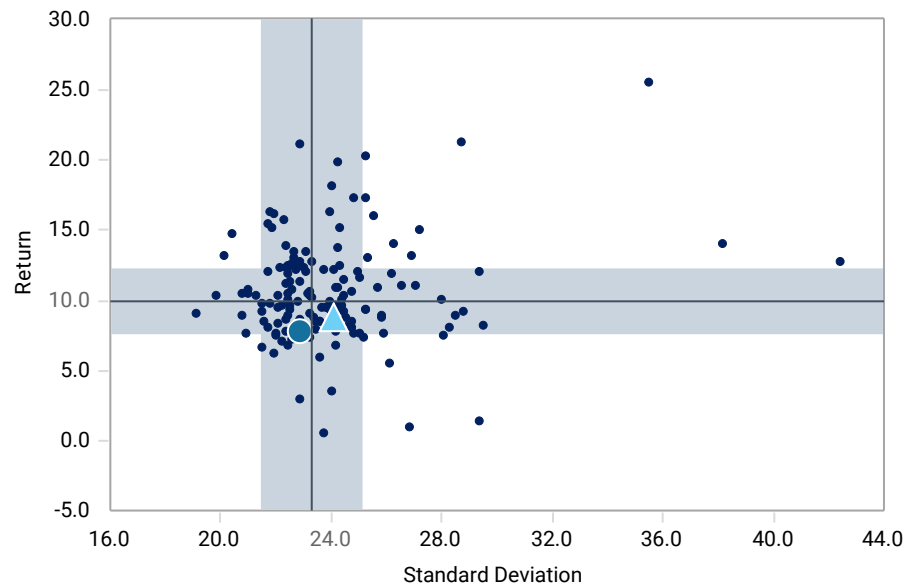


U.S. EQUITY MANAGER PERFORMANCE

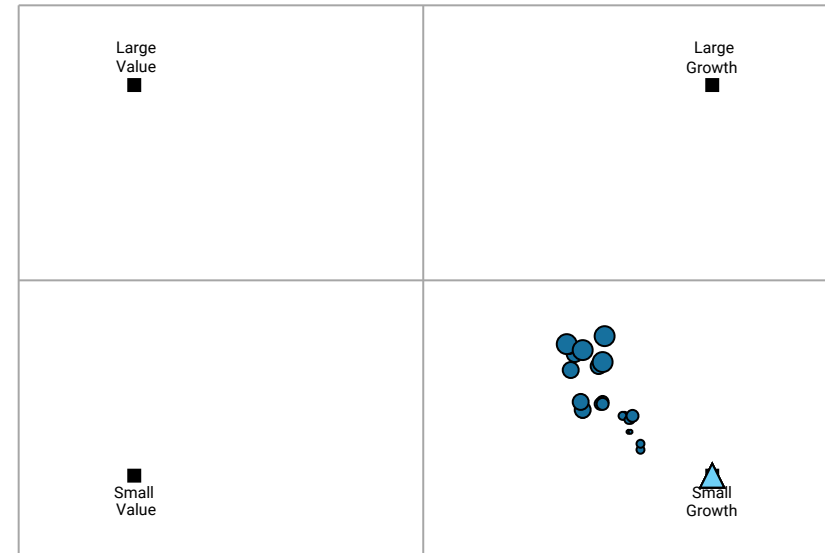


EAM INVESTORS

5 Years Return vs. Standard Deviation



Rolling 3 Years Style Map

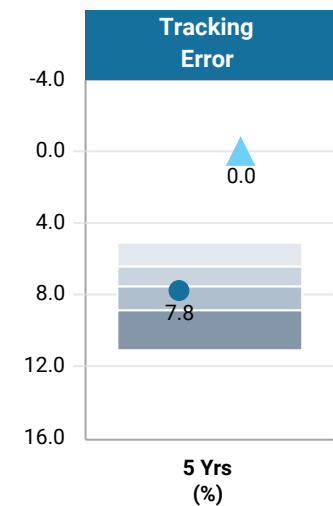
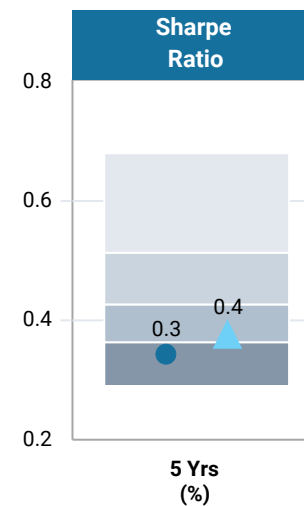
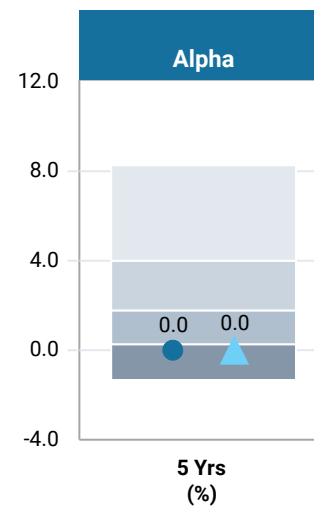
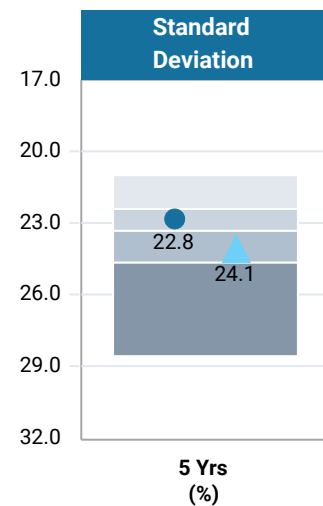
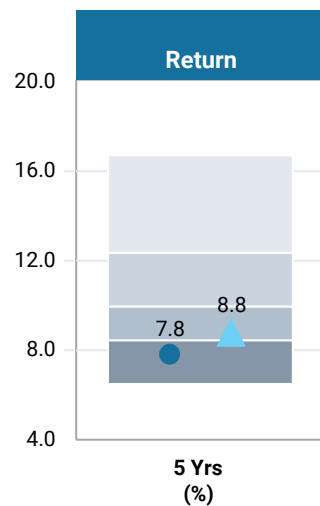


● EAM Investors

▲ Russell 2000 Growth Index

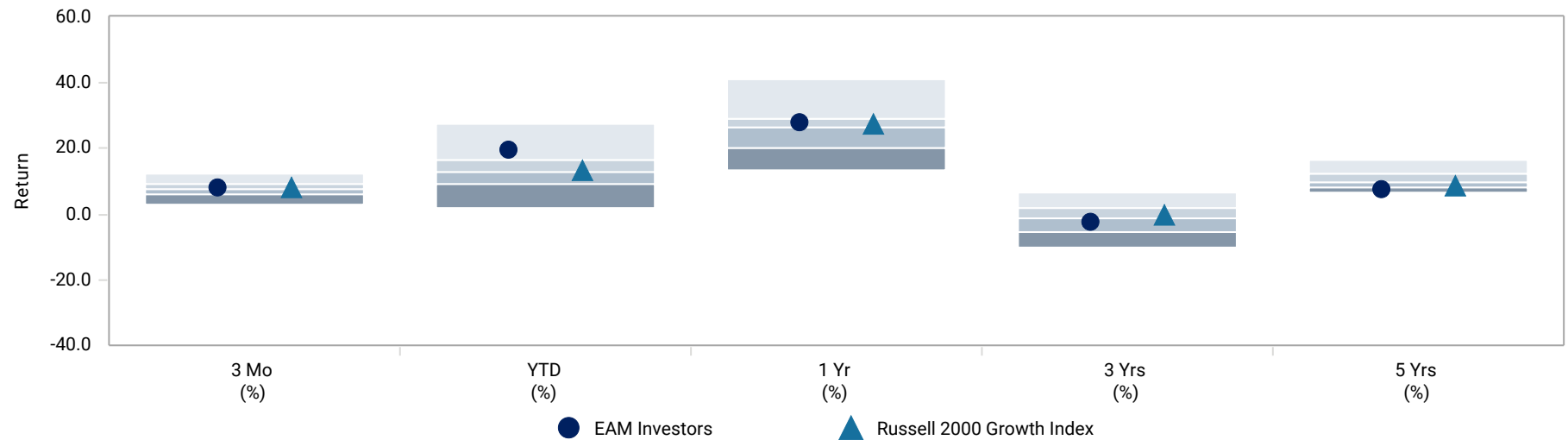
● EAM Investors

▲ Russell 2000 Growth Index

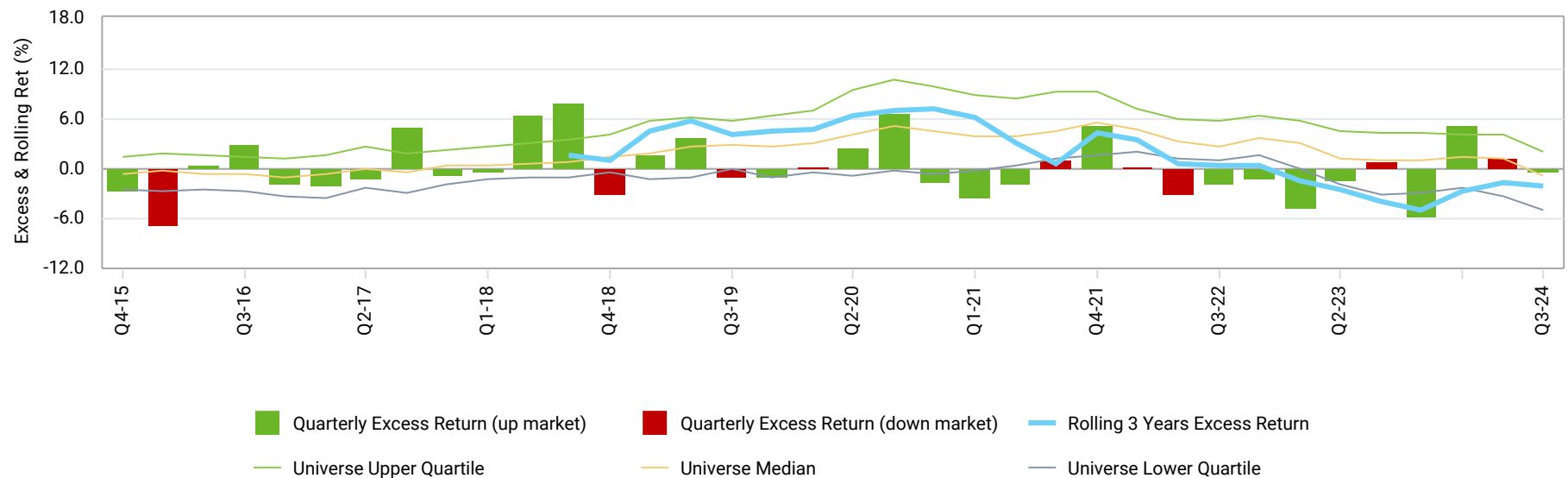


EAM INVESTORS

eV US Small Cap Growth Equity (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

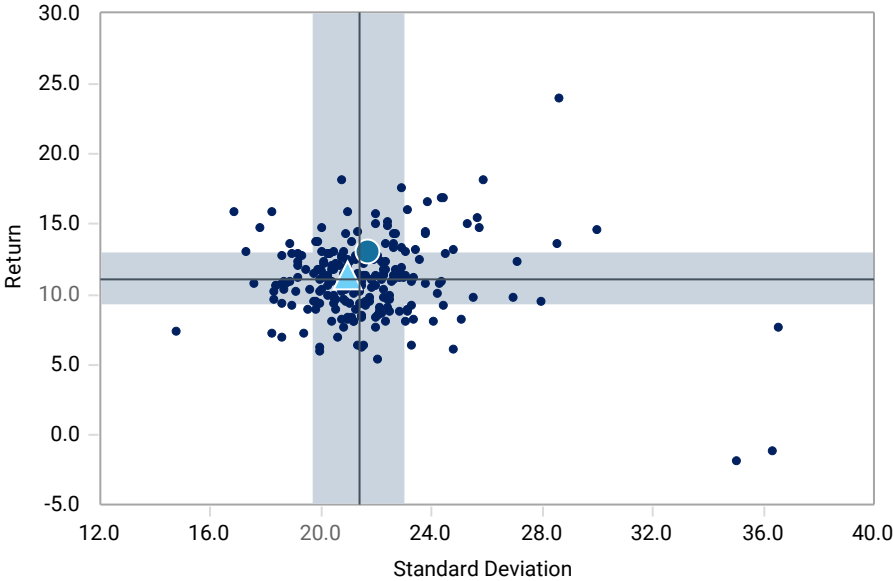


Los Angeles City Employees' Retirement System-LACERS Master Trust

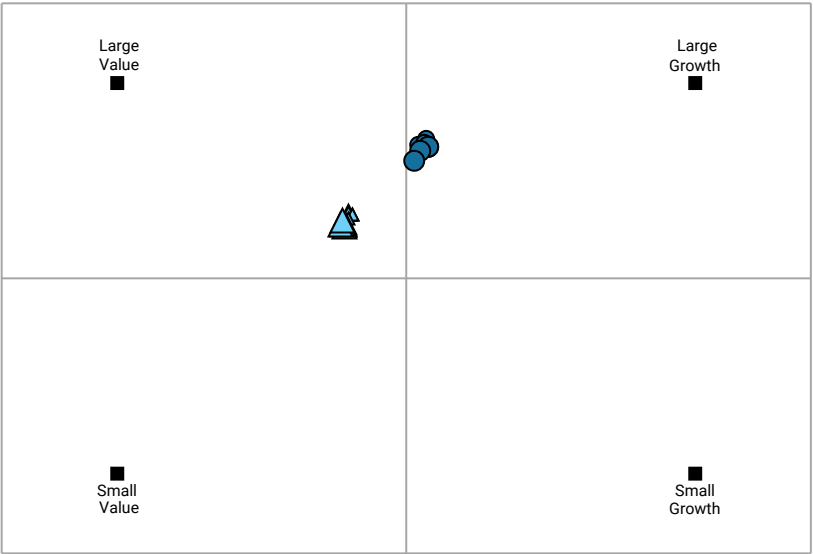
PRINCIPAL GLOBAL INVESTORS

September 30, 2024

5 Years Return vs. Standard Deviation

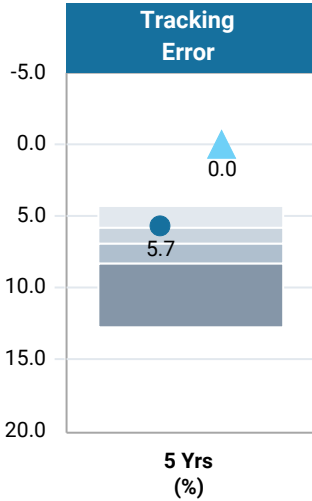
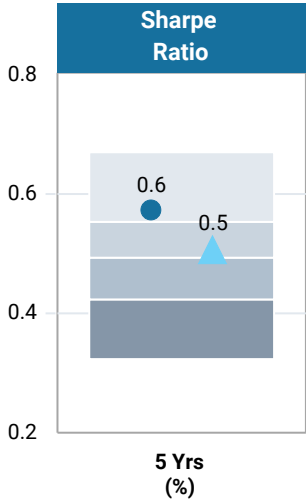
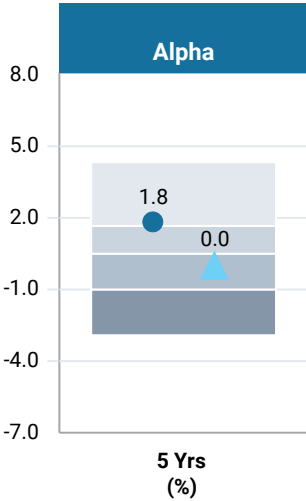
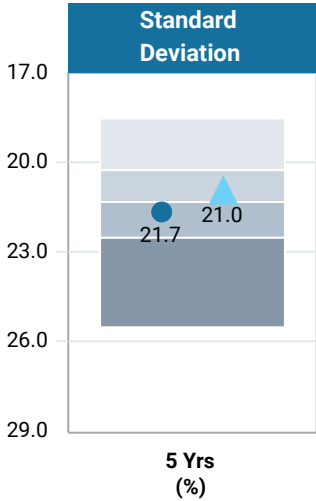
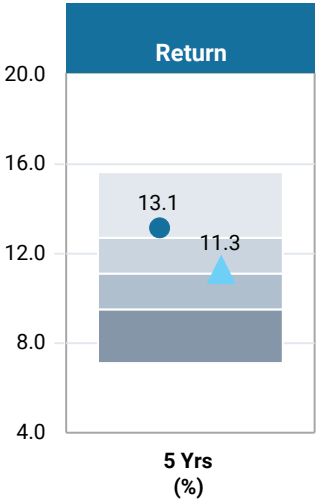


Rolling 5 Years Style Map



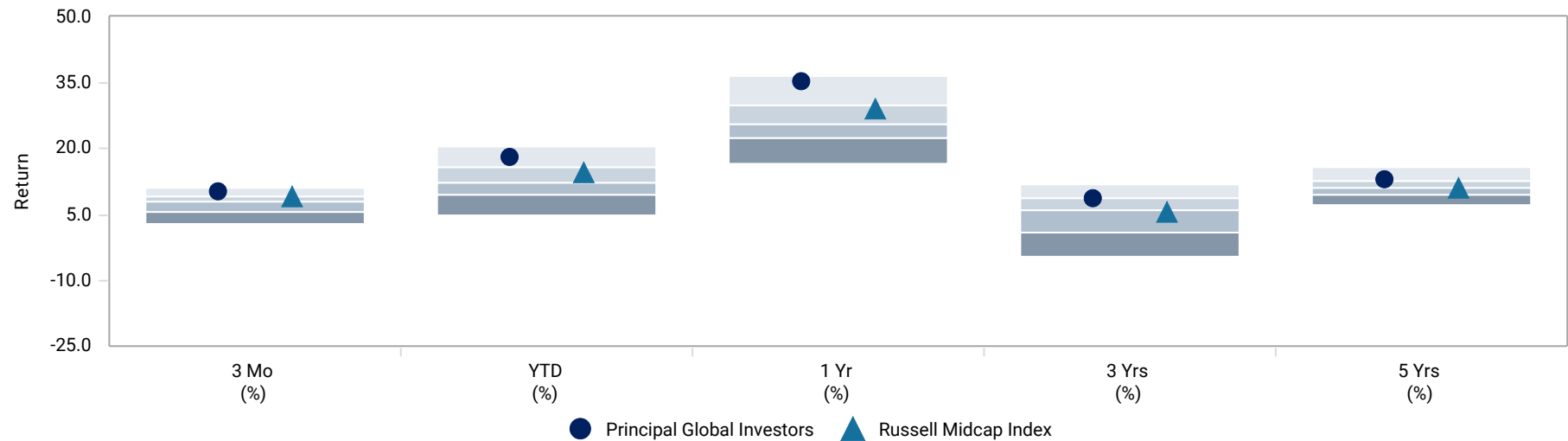
Principal Global Investors Russell Midcap Index

Principal Global Investors Russell Midcap Index

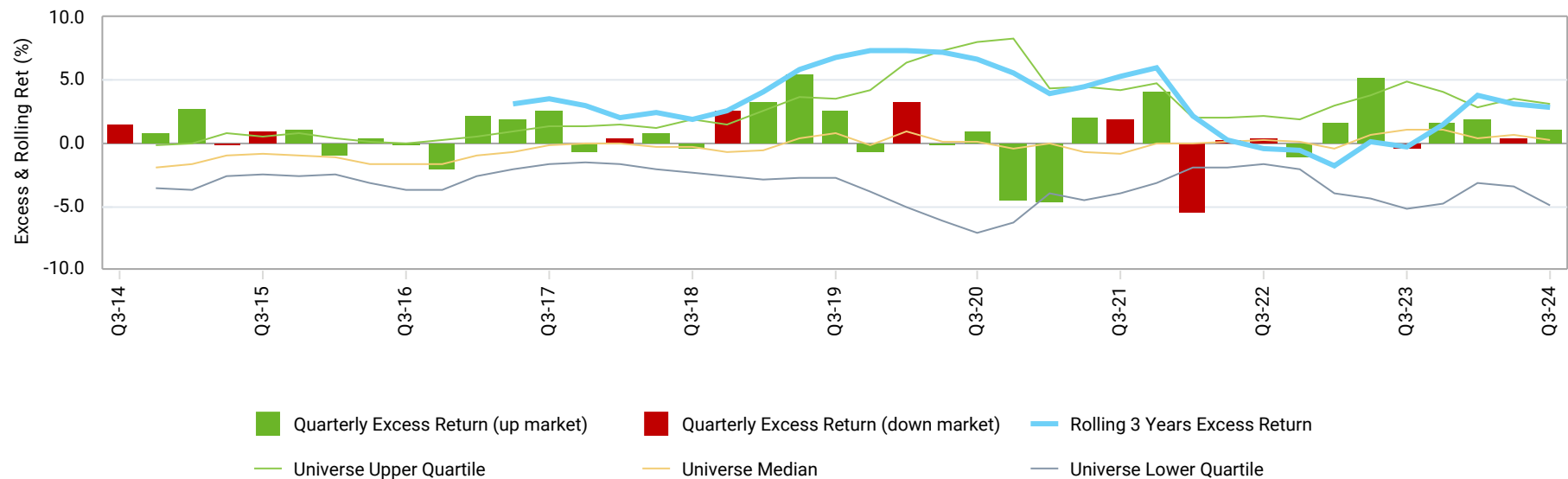


PRINCIPAL GLOBAL INVESTORS

eV US Mid Cap Equity (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

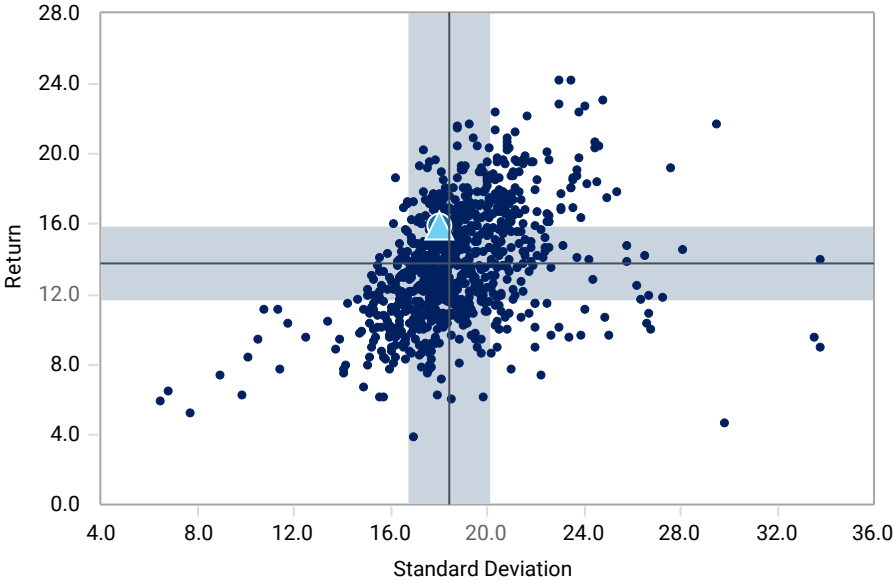


Los Angeles City Employees' Retirement System-LACERS Master Trust

RHUMBLINE ADVISORS S&P 500

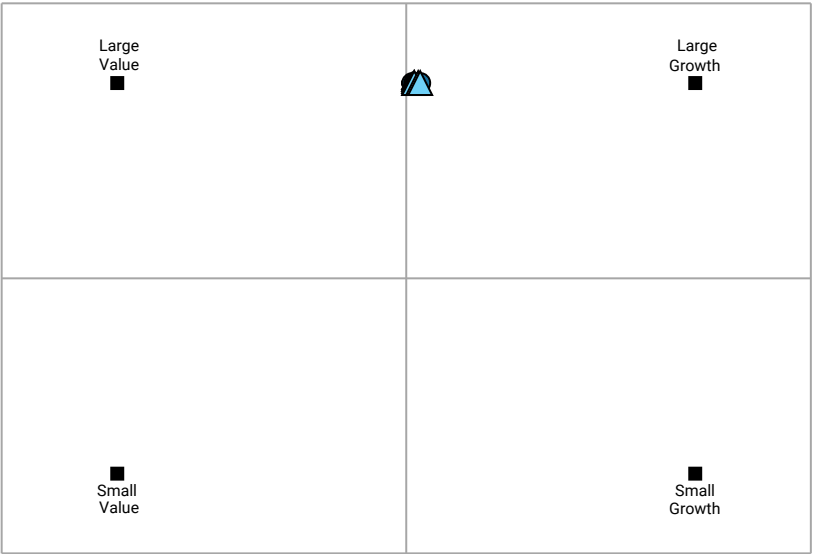
September 30, 2024

5 Years Return vs. Standard Deviation

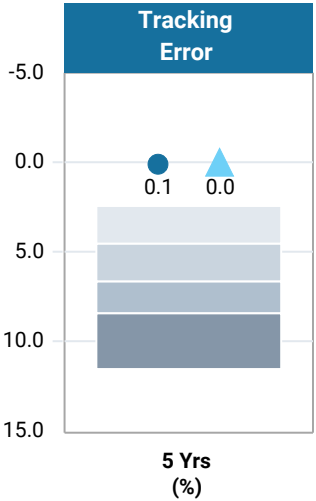
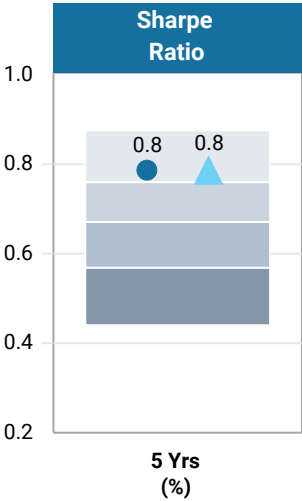
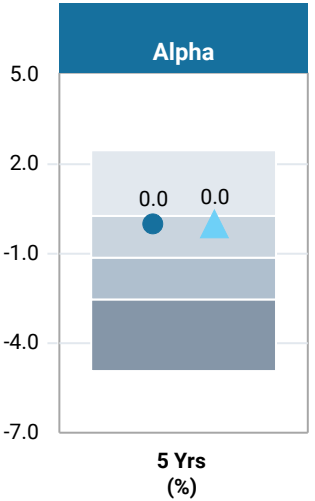
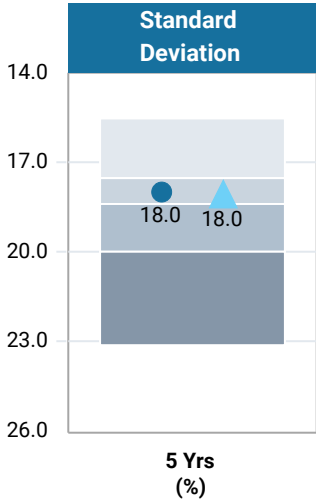
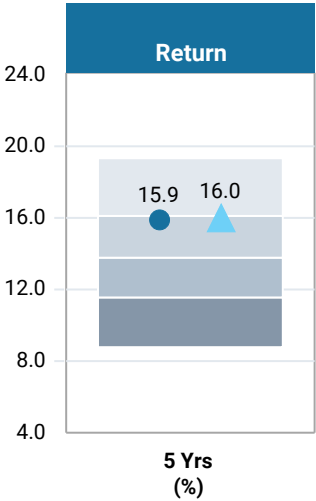


● RhumbLine Advisers S&P 500 ▲ S&P 500 Index

Rolling 5 Years Style Map

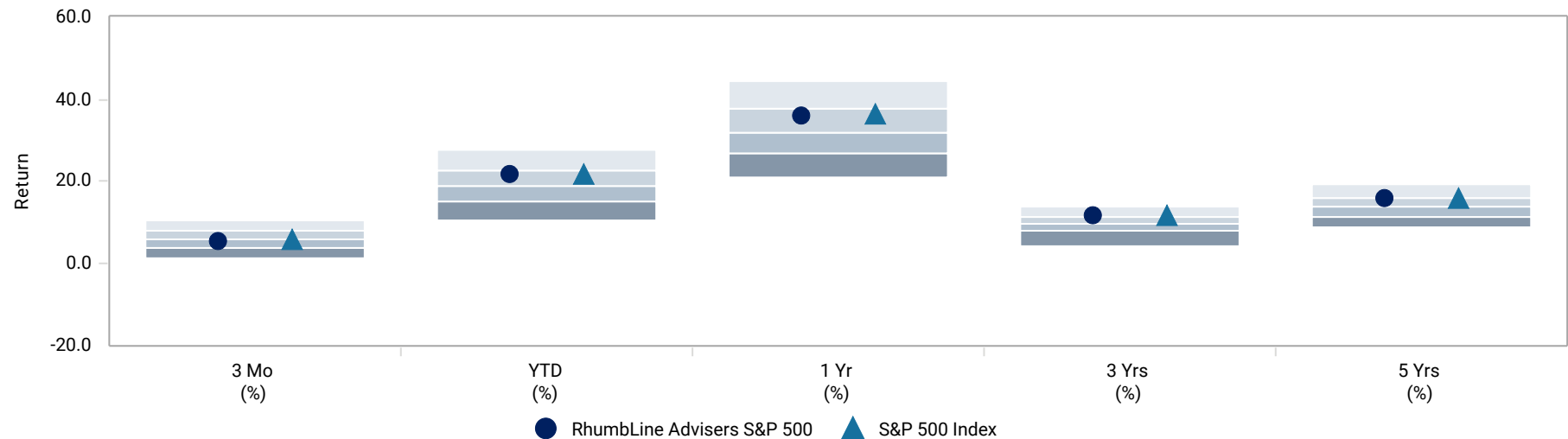


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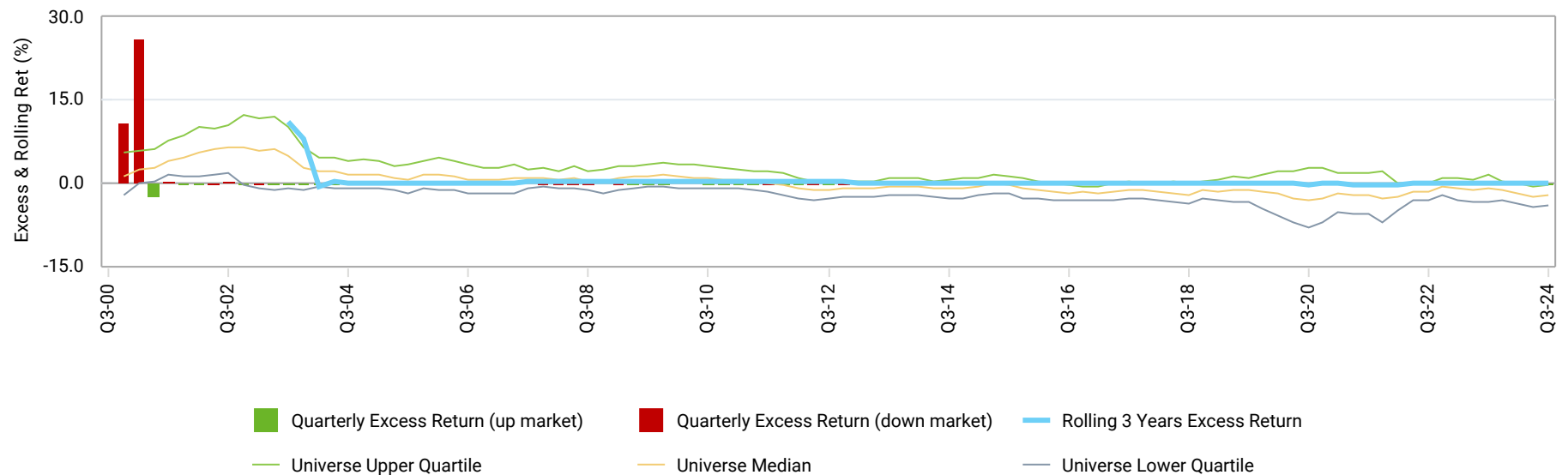


RHUMBLINE ADVISORS S&P 500

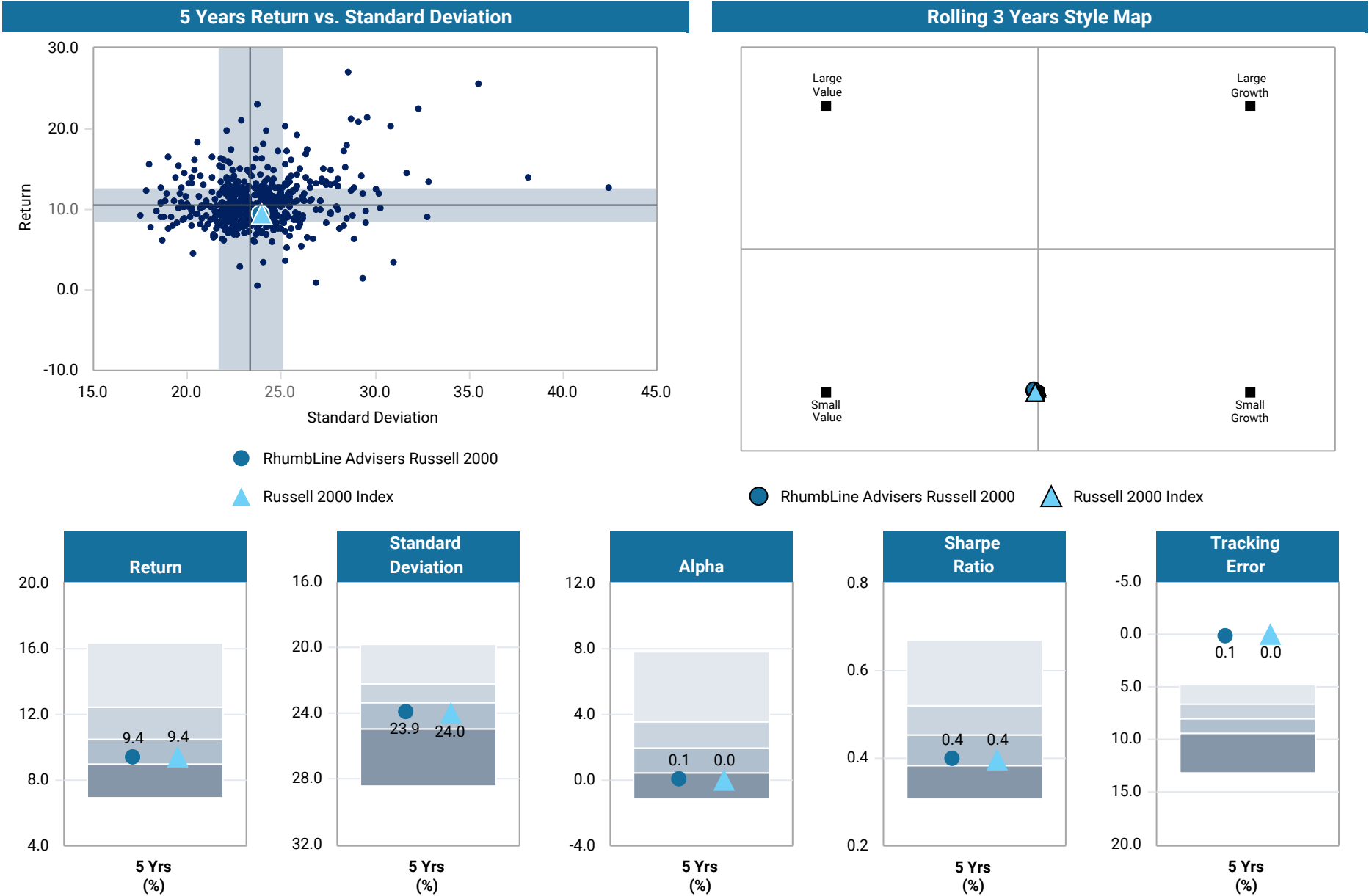
eV US Large Cap Equity (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

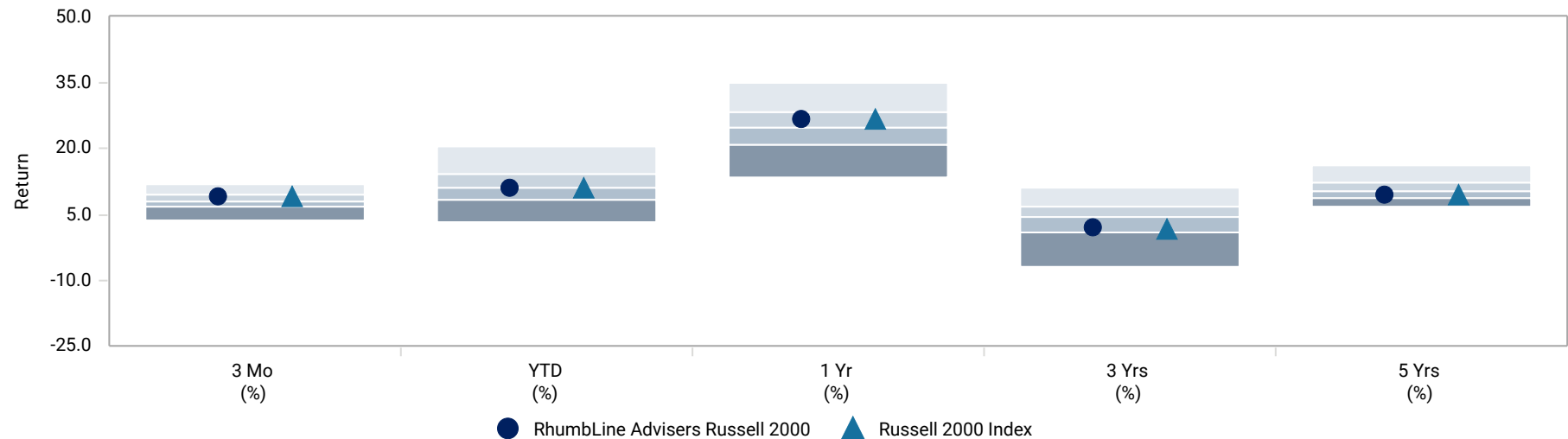


RHUMBLINE ADVISORS RUSSELL 2000

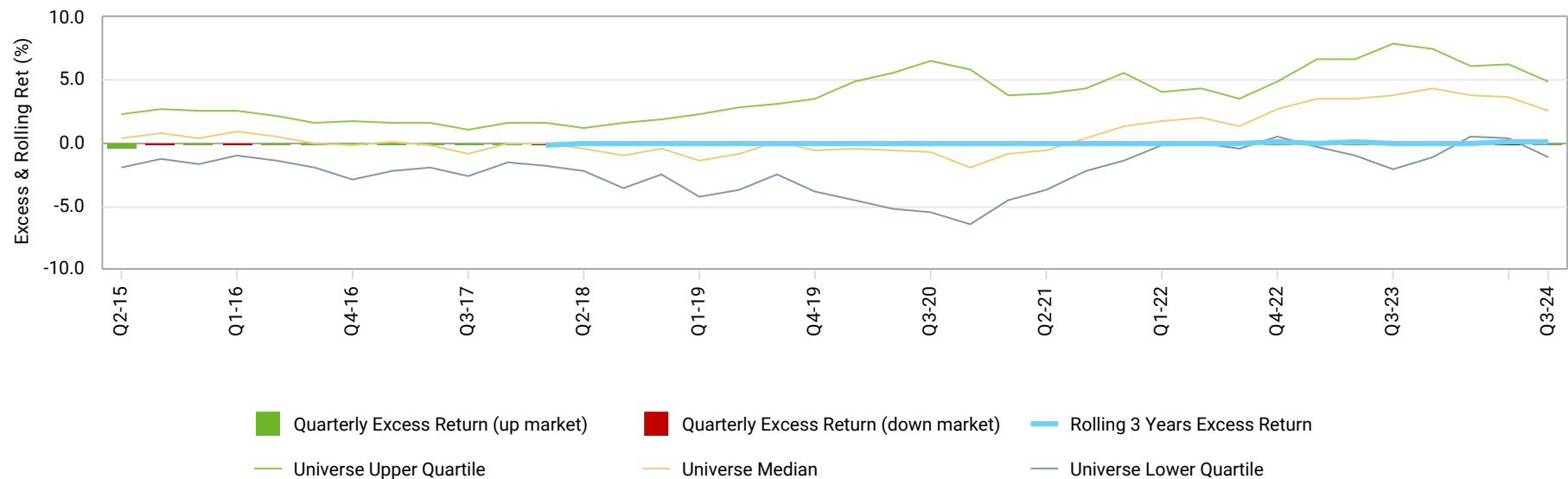


RHUMBLINE ADVISORS RUSSELL 2000

eV US Small Cap Equity (net of fees)

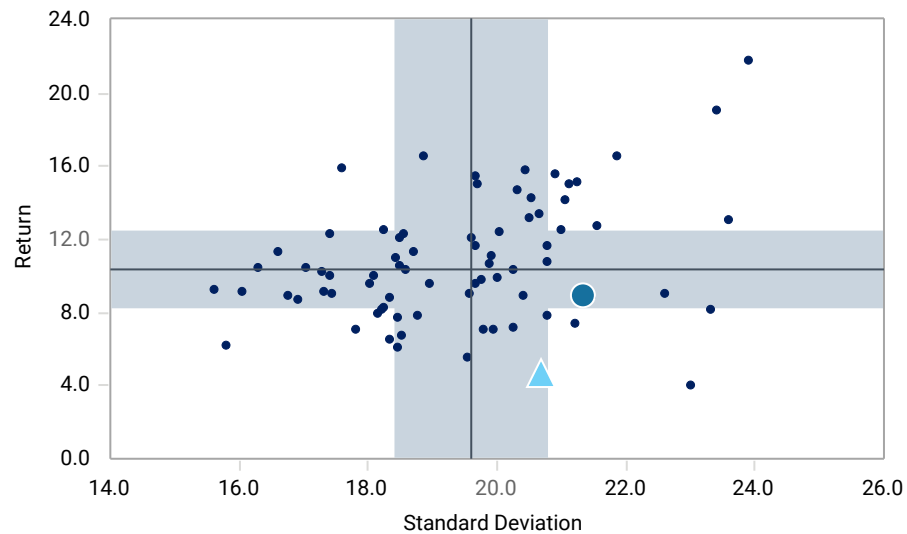


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024



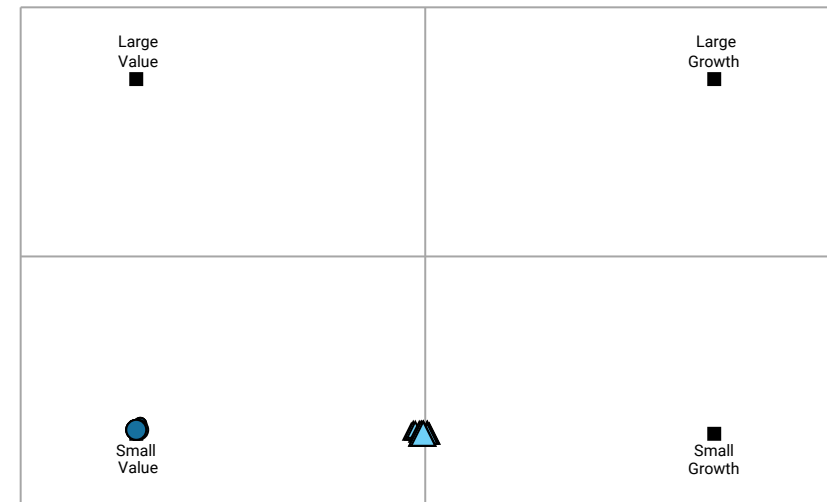
RHUMBLINE ADVISORS RUSSELL 2000 VALUE

Since Inception Return vs. Standard Deviation

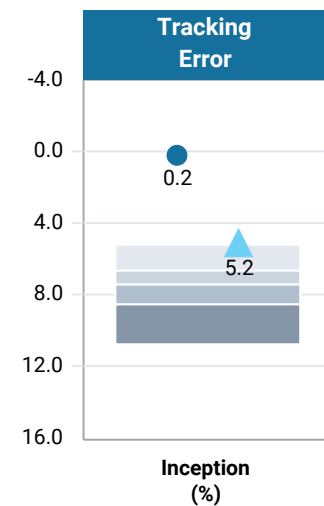
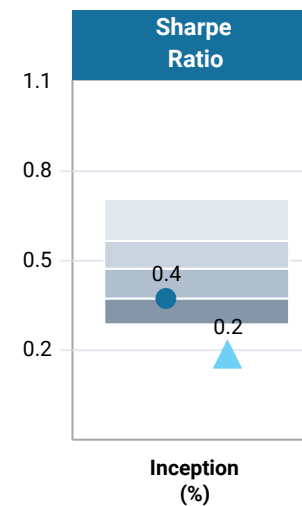
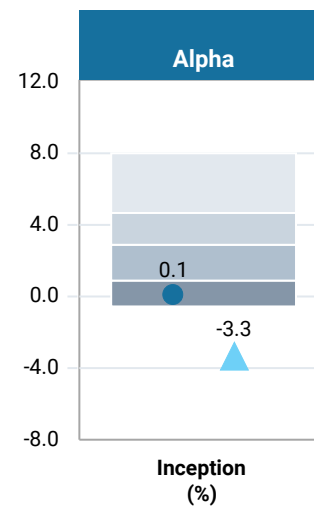
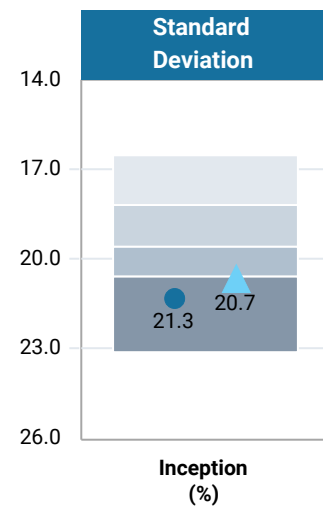
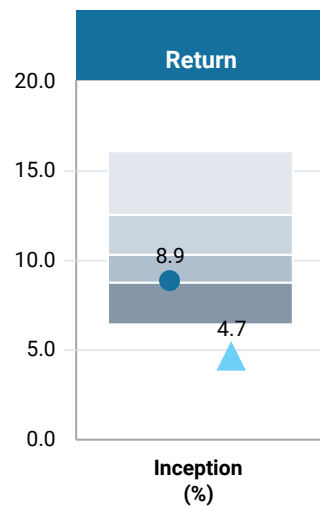


● Rhumbline Advisers Russell 2000 Value
▲ Russell 2000 Index

Rolling 1 Year Style Map

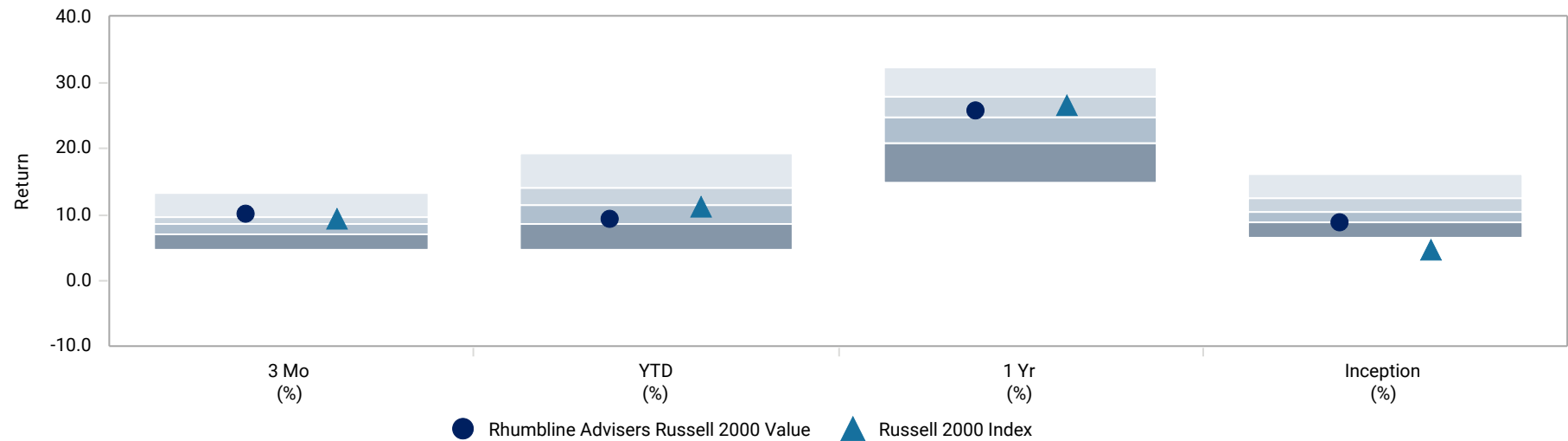


● Rhumbline Advisers Russell 2000 Value
▲ Russell 2000 Index

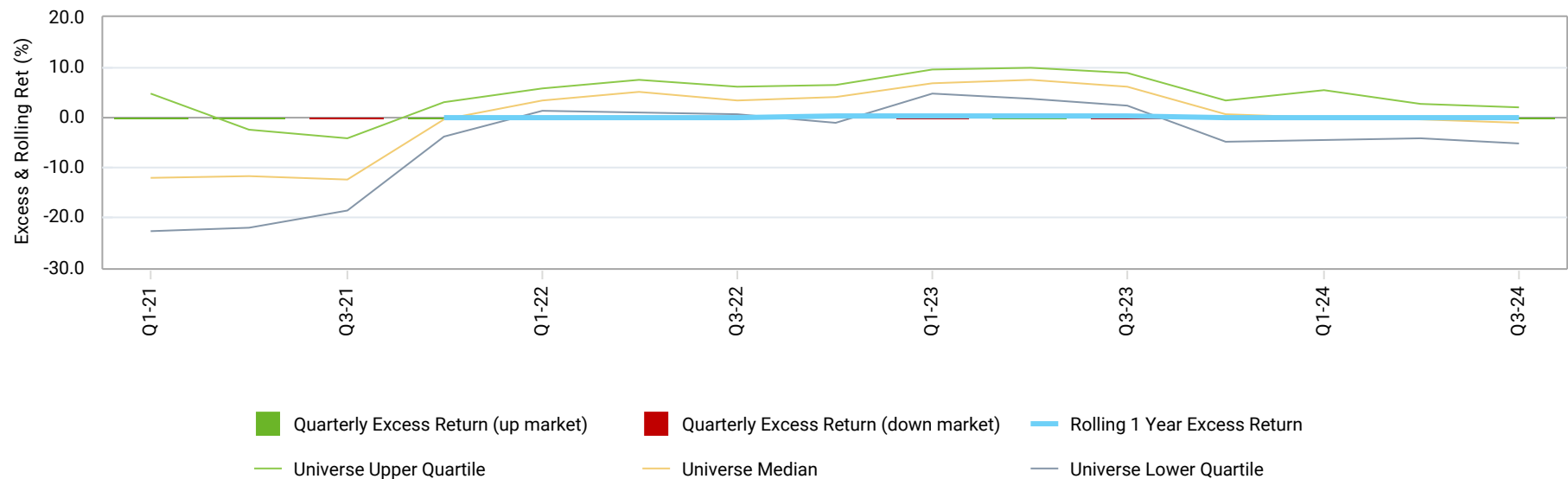


RHUMBLINE ADVISORS RUSSELL 2000 VALUE

eV US Small-Mid Cap Value Equity (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

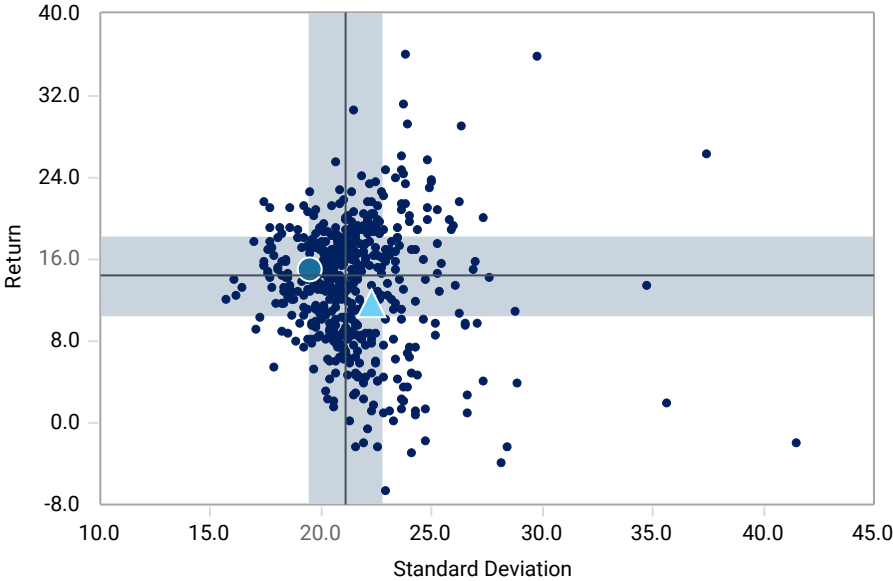


Los Angeles City Employees' Retirement System-LACERS Master Trust

COPELAND CAPITAL MANAGEMENT

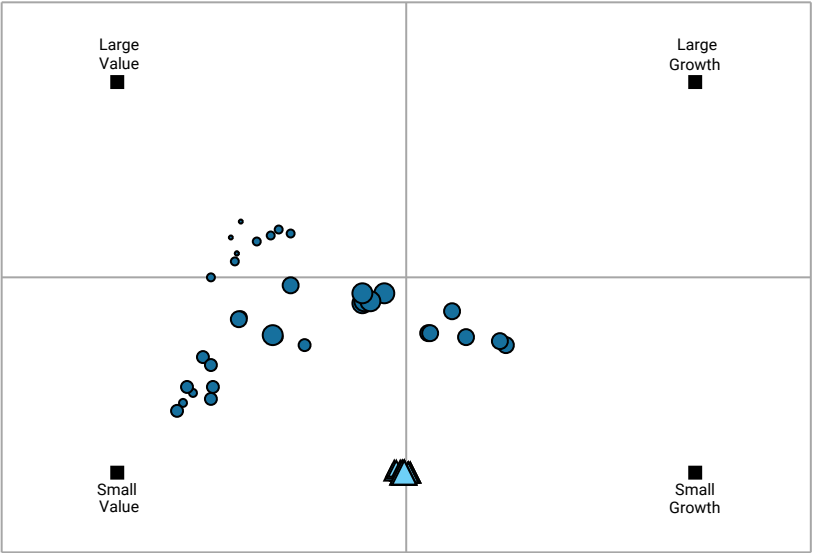
September 30, 2024

Since Inception Return vs. Standard Deviation



● Copeland Capital Management ▲ Russell 2000 Index

Rolling 1 Year Style Map

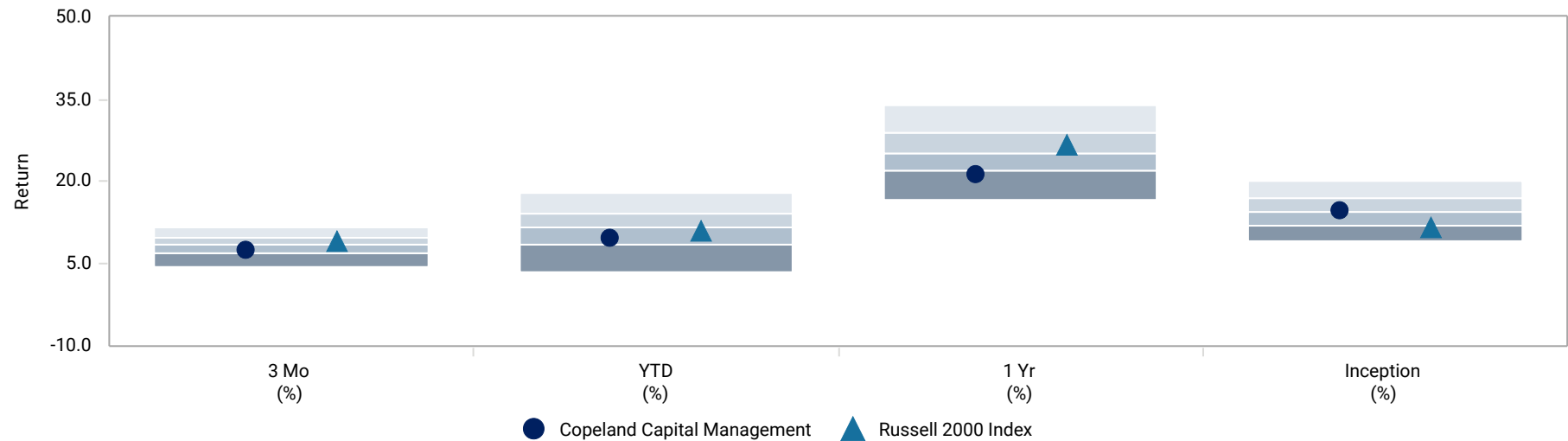


● Copeland Capital Management ▲ Russell 2000 Index

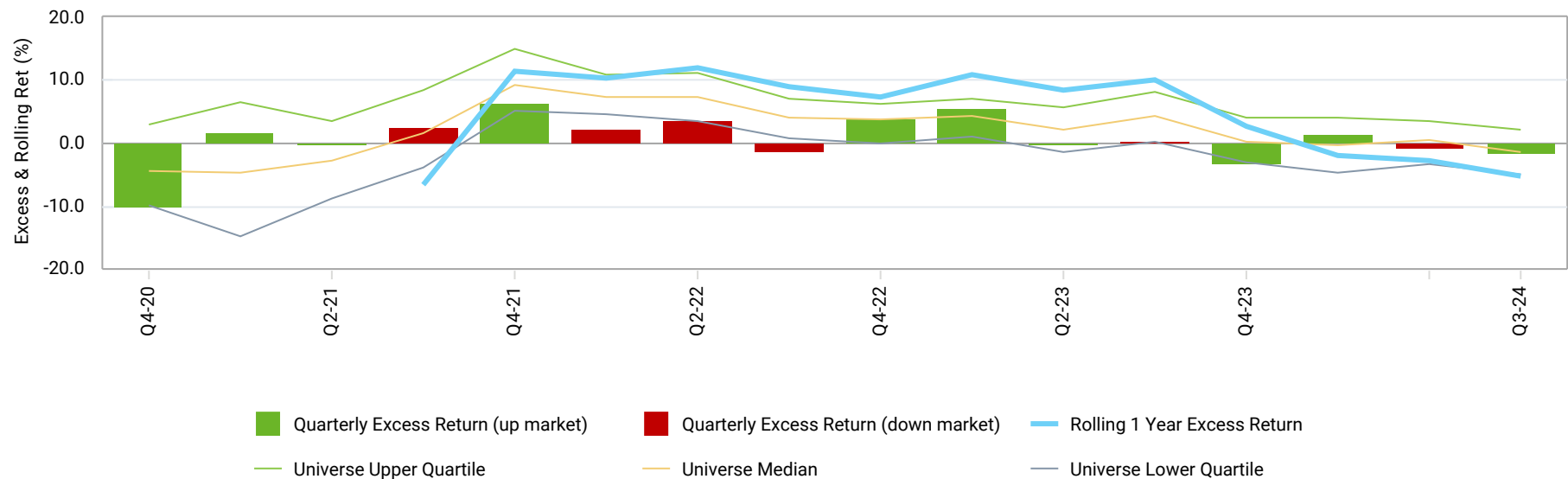


COPELAND CAPITAL MANAGEMENT

eV US Small Cap Core Equity (net of fees)

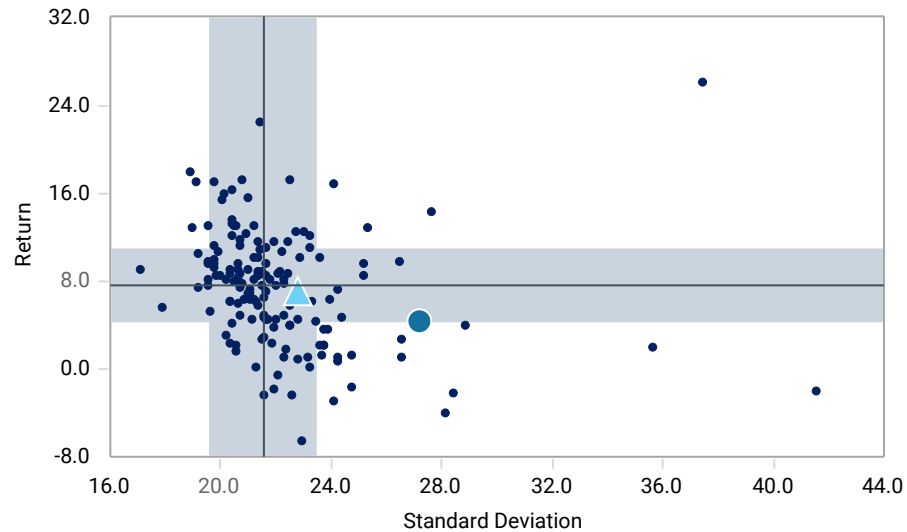


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024



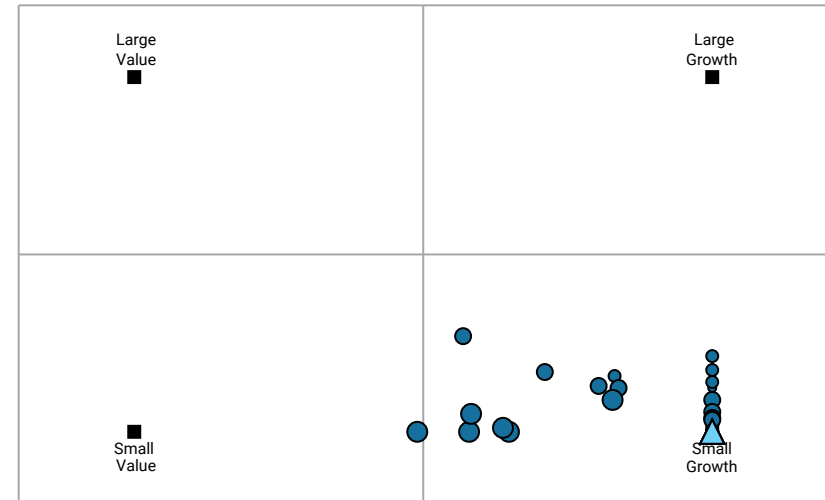
GRANAHAN INVESTMENT MANAGEMENT

Since Inception Return vs. Standard Deviation

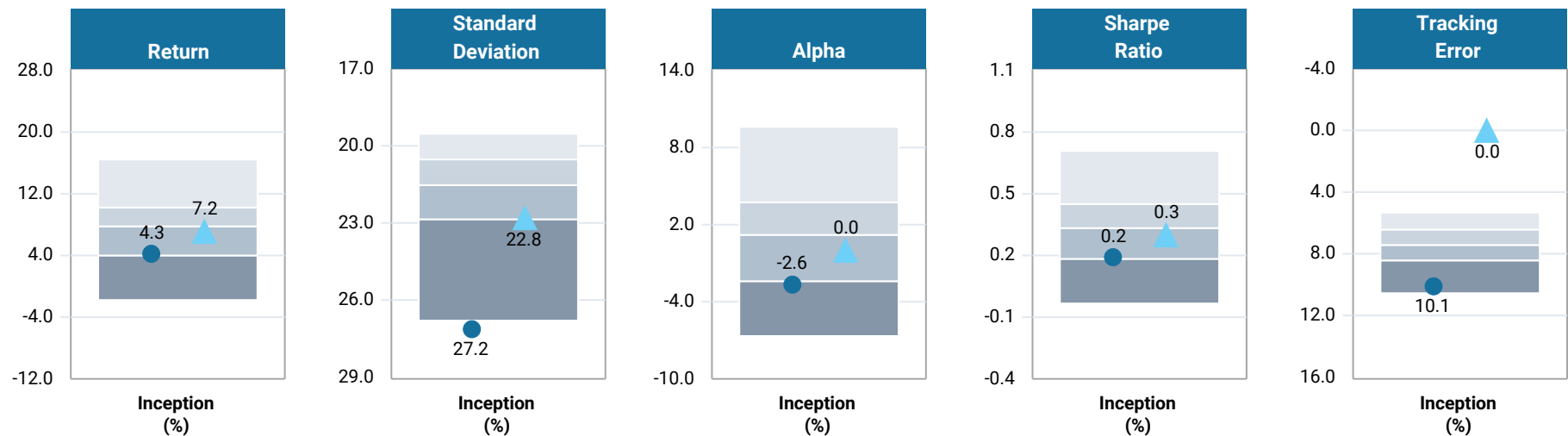


● Granahan Investment Management
▲ Russell 2000 Growth Index

Rolling 1 Year Style Map

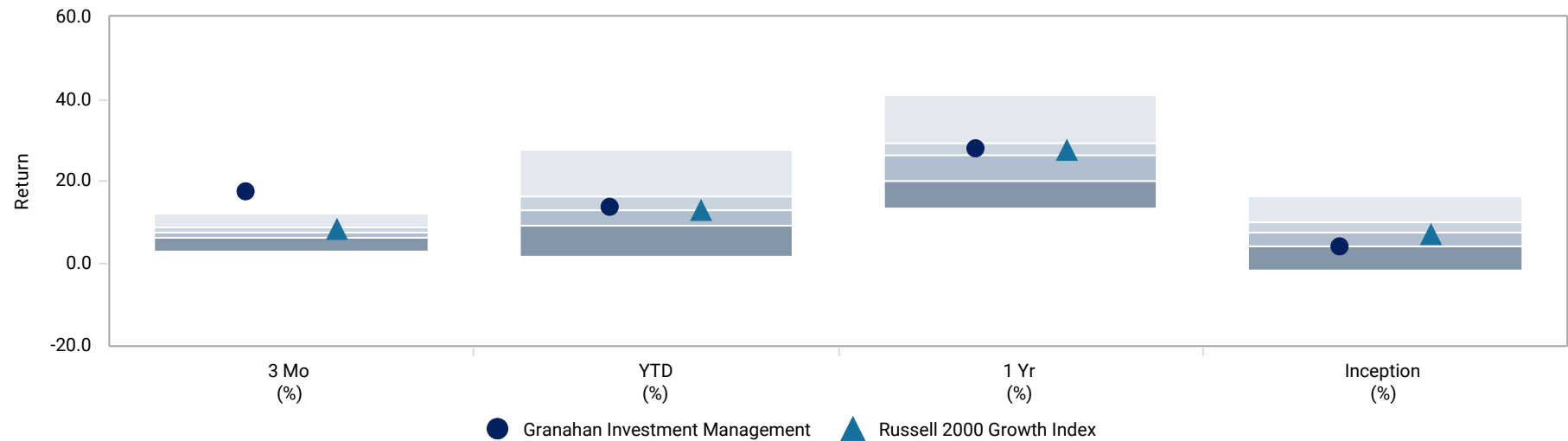


● Granahan Investment Management
▲ Russell 2000 Growth Index

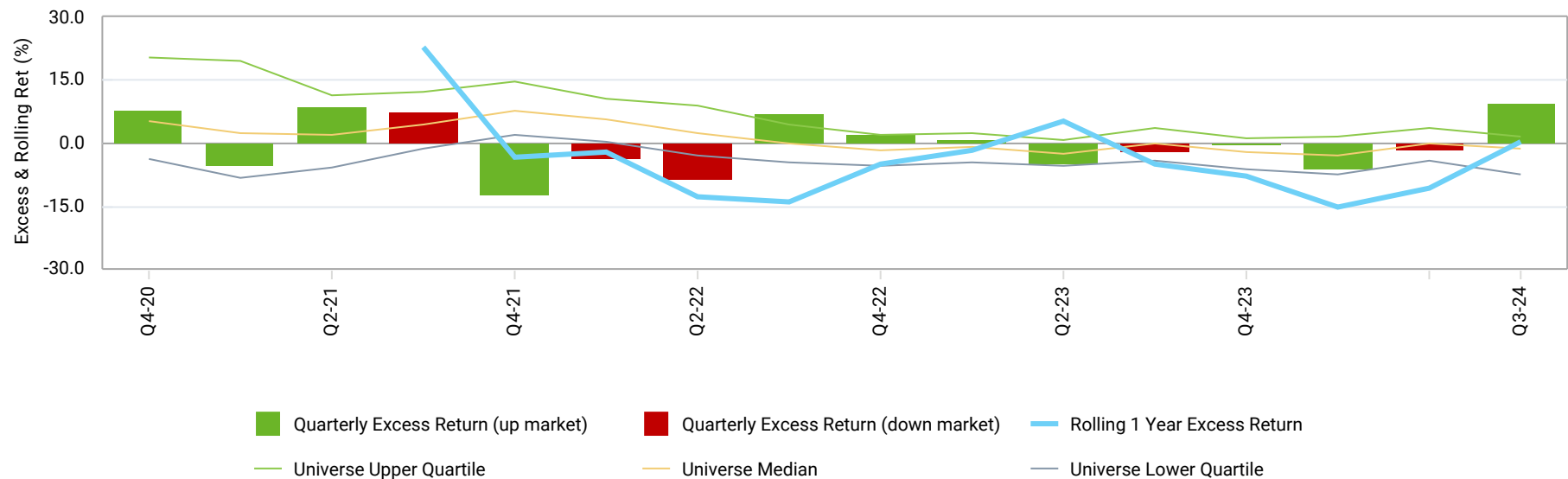


GRANAHAN INVESTMENT MANAGEMENT

eV US Small Cap Growth Equity (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

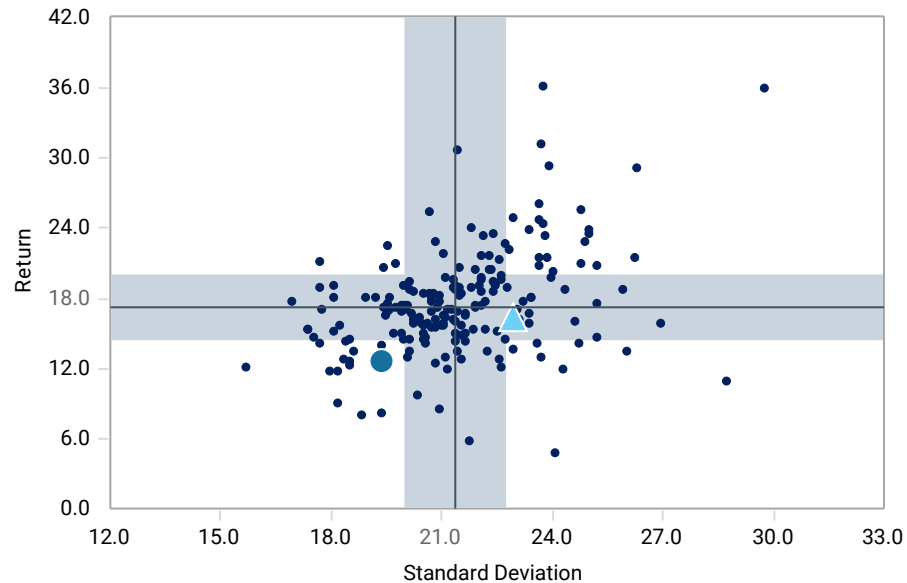


Los Angeles City Employees' Retirement System-LACERS Master Trust

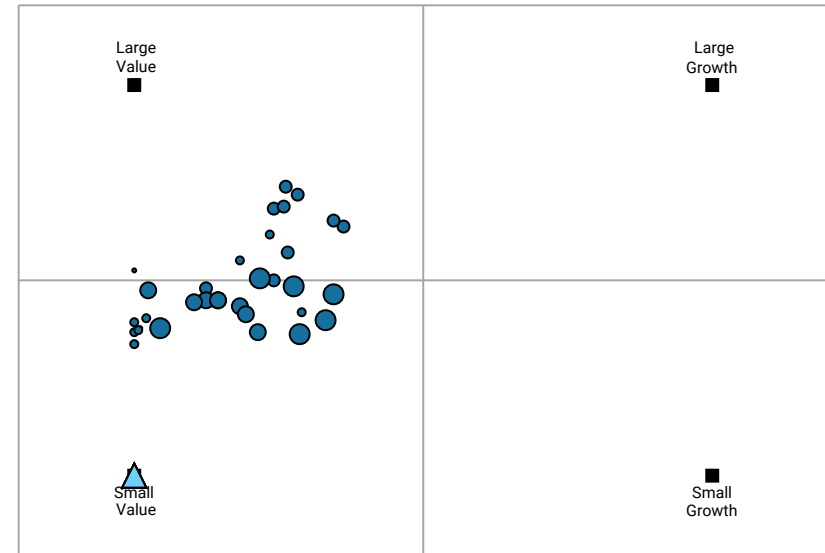
SEGALL, BRYANT & HAMILL

September 30, 2024

Since Inception Return vs. Standard Deviation

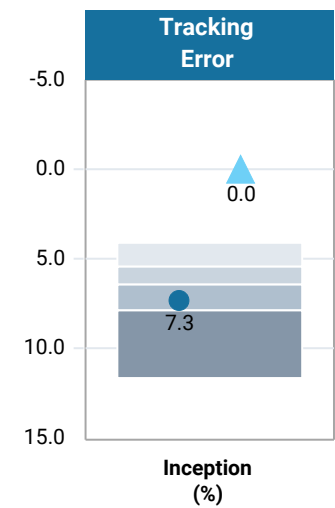
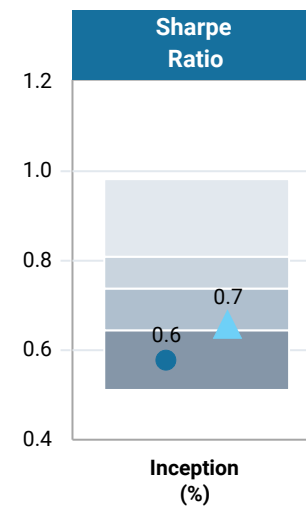
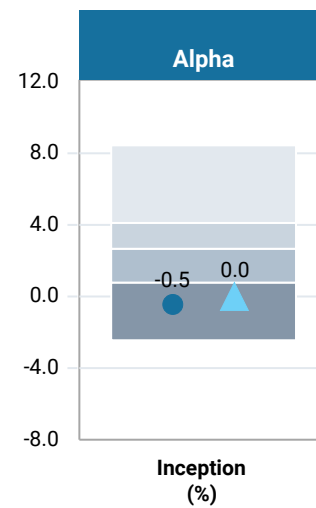
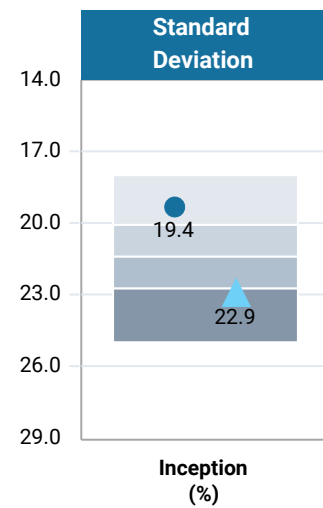
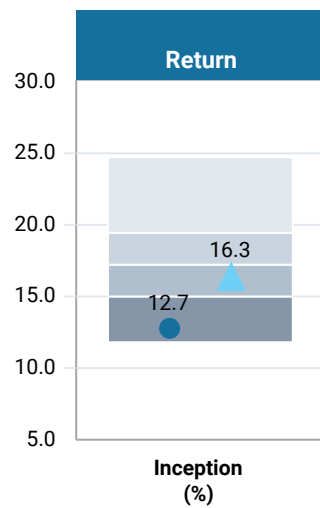


Rolling 1 Year Style Map



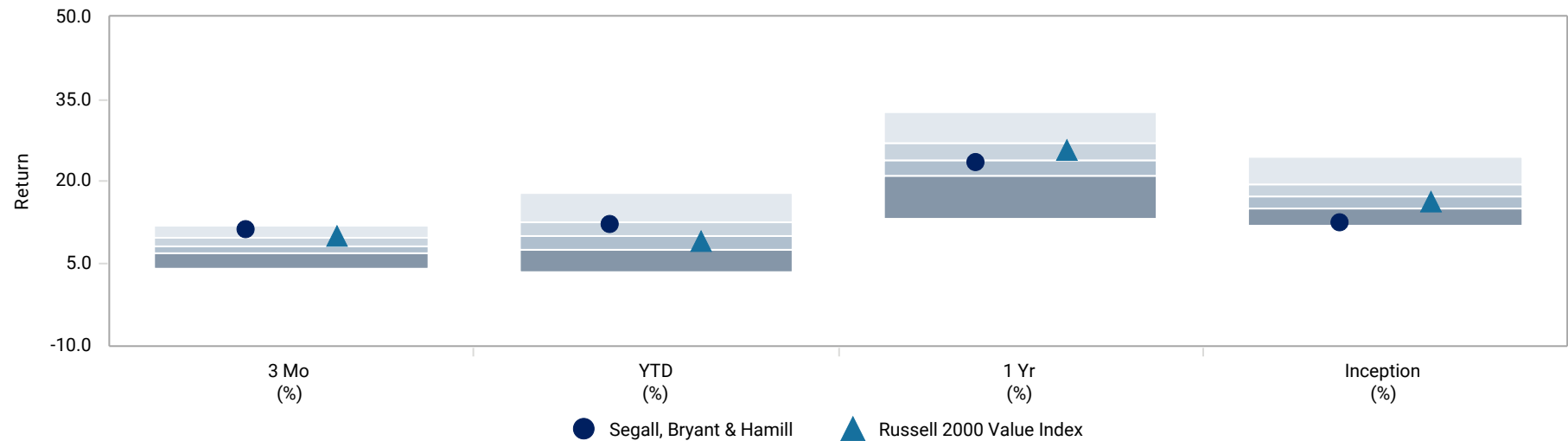
● Segall, Bryant & Hamill ▲ Russell 2000 Value Index

● Segall, Bryant & Hamill ▲ Russell 2000 Value Index

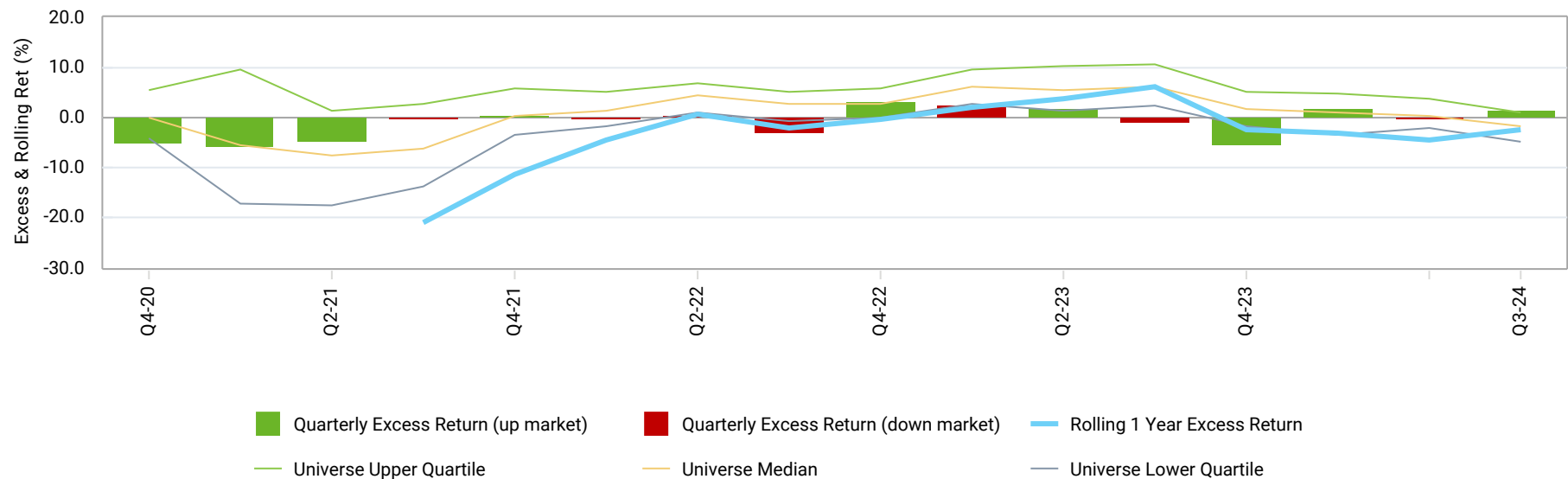


SEGALL, BRYANT & HAMILL

eV US Small Cap Value Equity (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

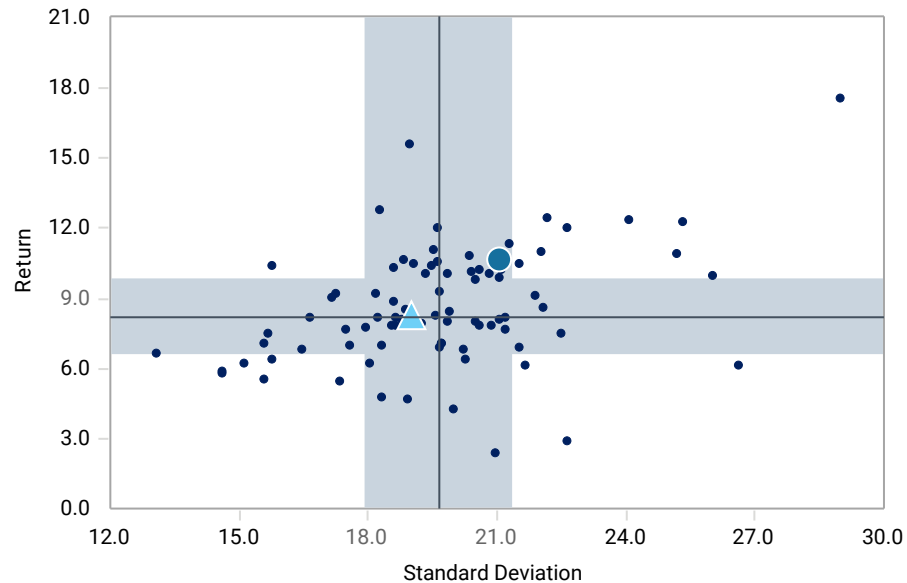




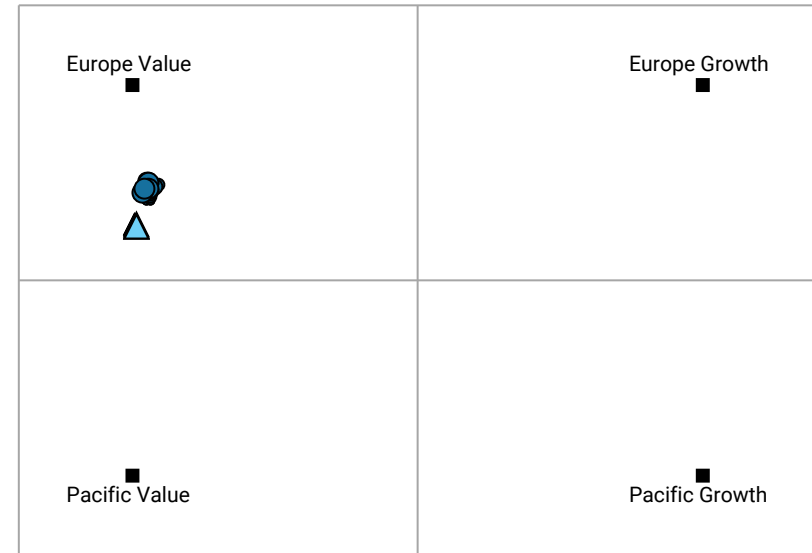
NON-U.S. EQUITY MANAGER PERFORMANCE

BARROW HANLEY

5 Years Return vs. Standard Deviation



Rolling 5 Years Style Map

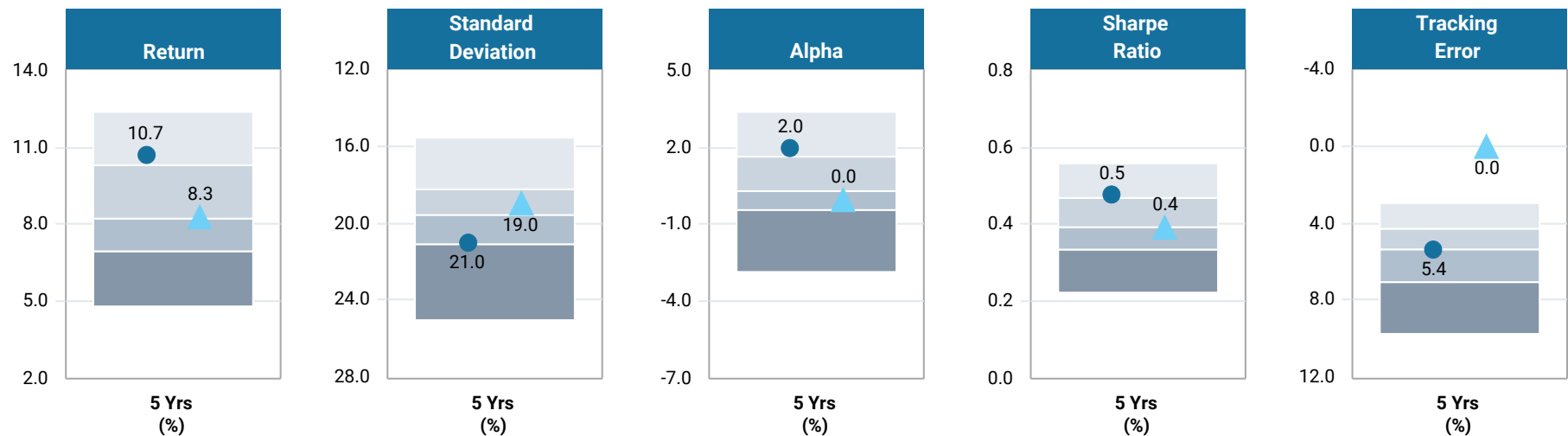


● Barrow Hanley

▲ MSCI EAFE Value Index (Net)

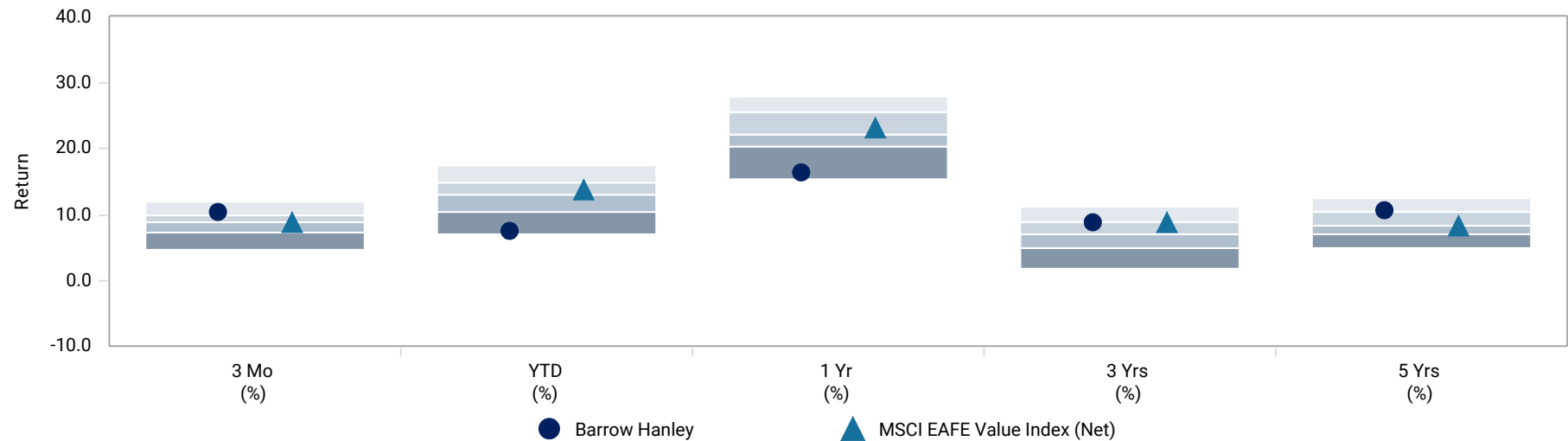
● Barrow Hanley

▲ MSCI EAFE Value Index (Net)

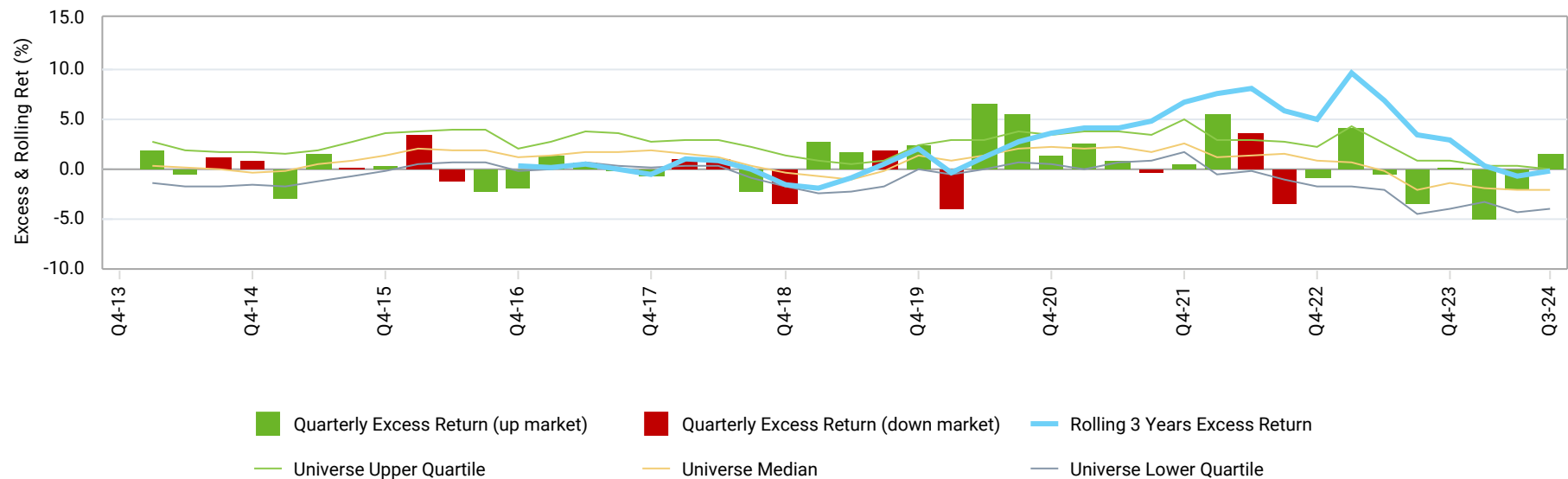


BARROW HANLEY

eV EAFE Value Equity (net of fees)

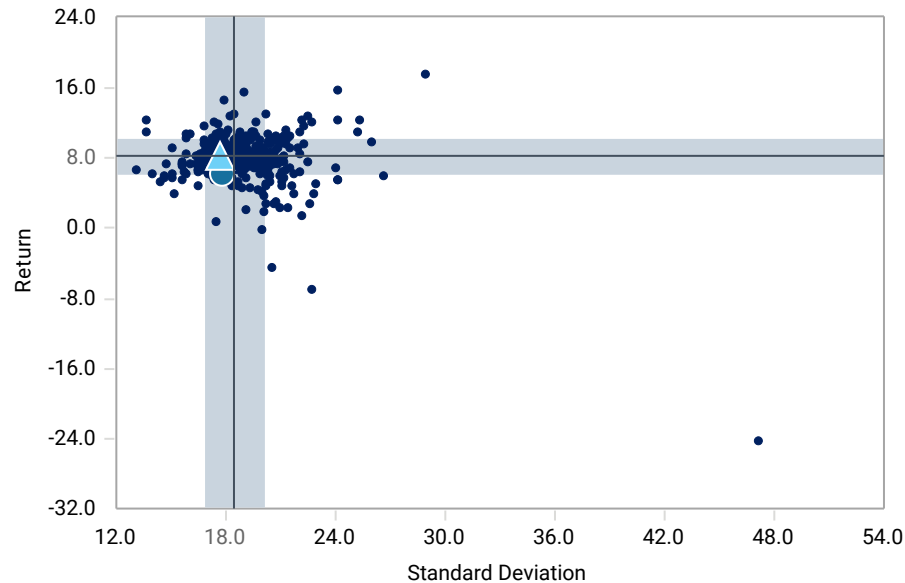


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

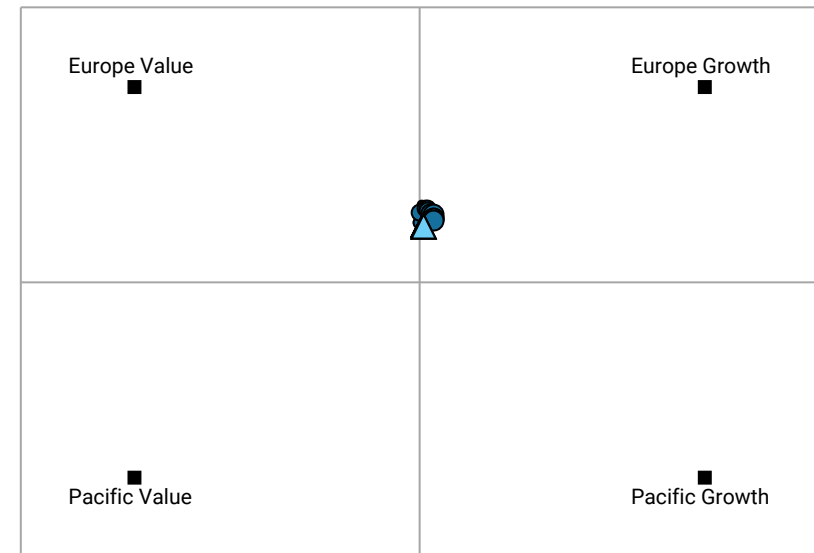


LAZARD ASSET MANAGEMENT

5 Years Return vs. Standard Deviation

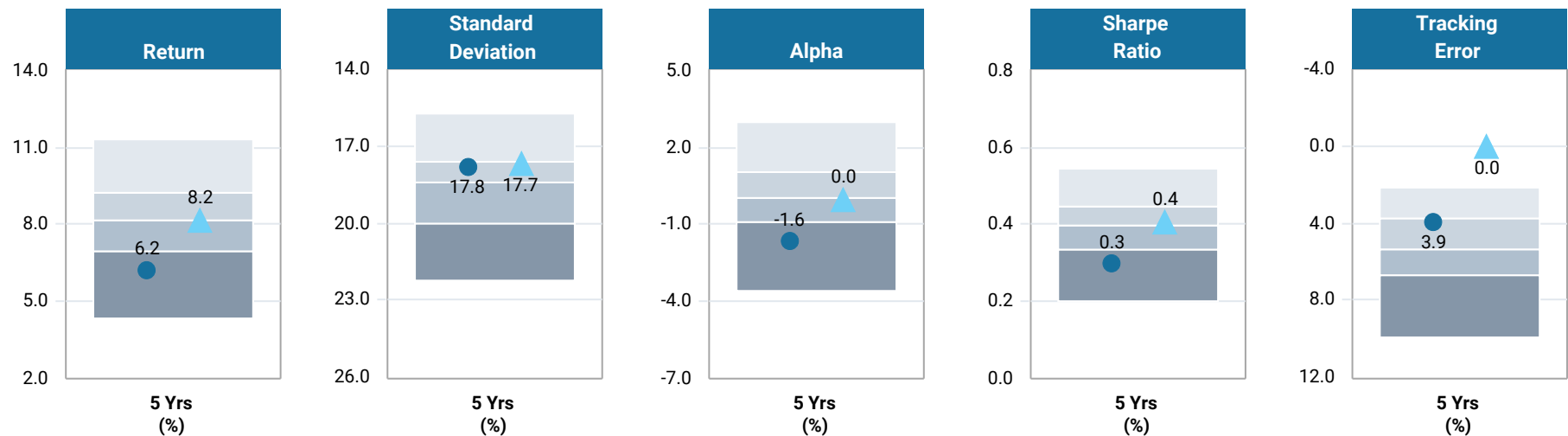


Rolling 5 Years Style Map



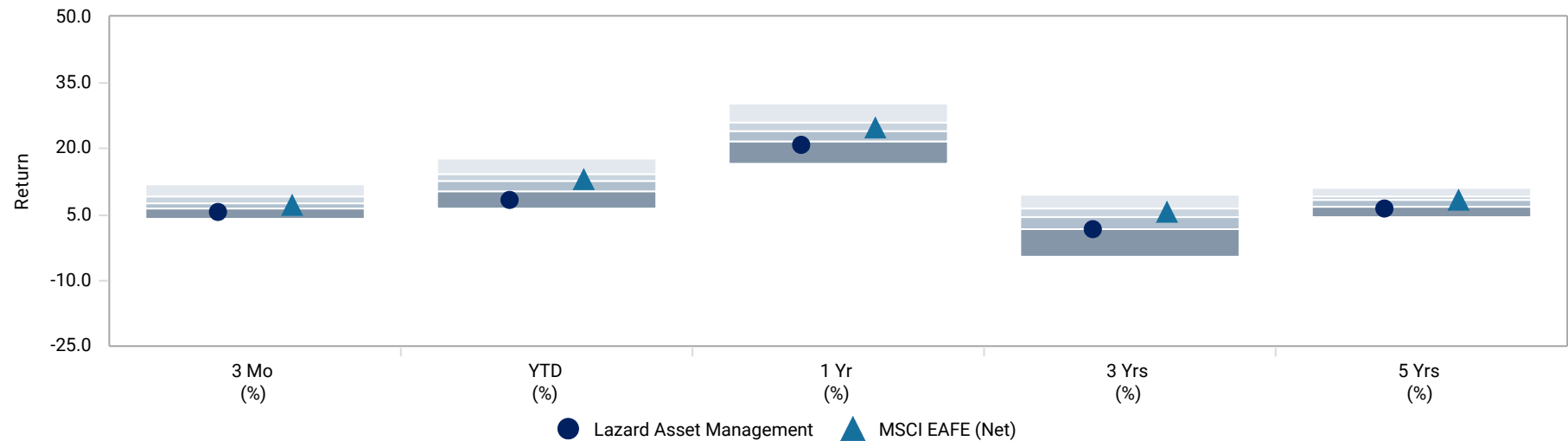
● Lazard Asset Management ▲ MSCI EAFE (Net)

● Lazard Asset Management ▲ MSCI EAFE (Net)

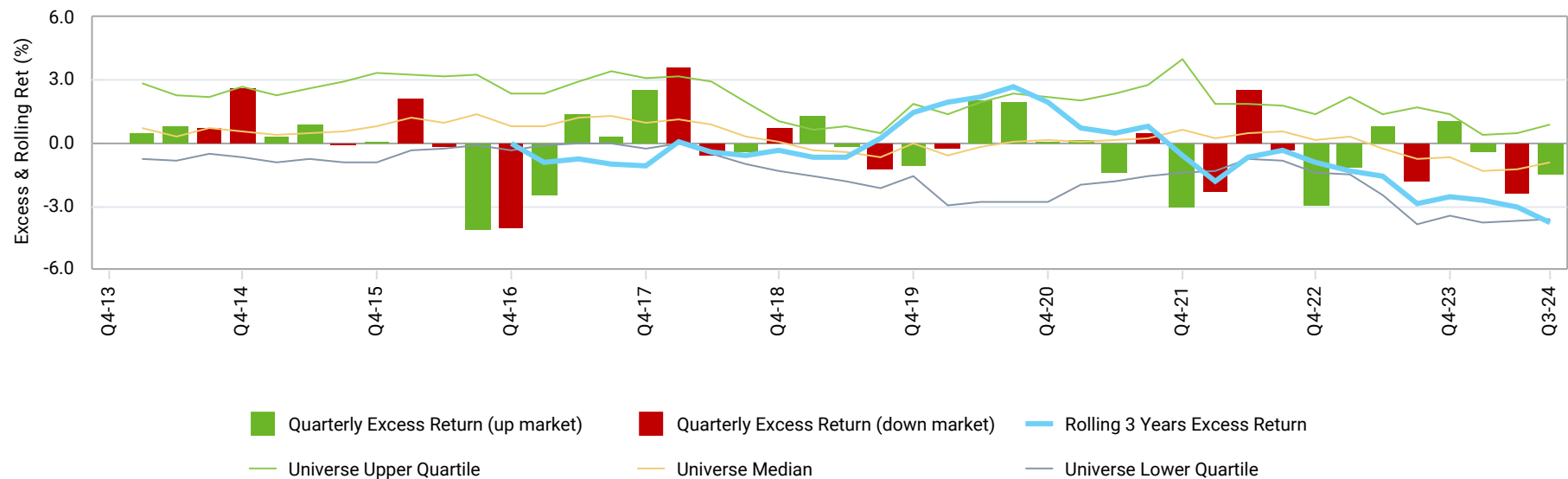


LAZARD ASSET MANAGEMENT

eV All EAFE Equity (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

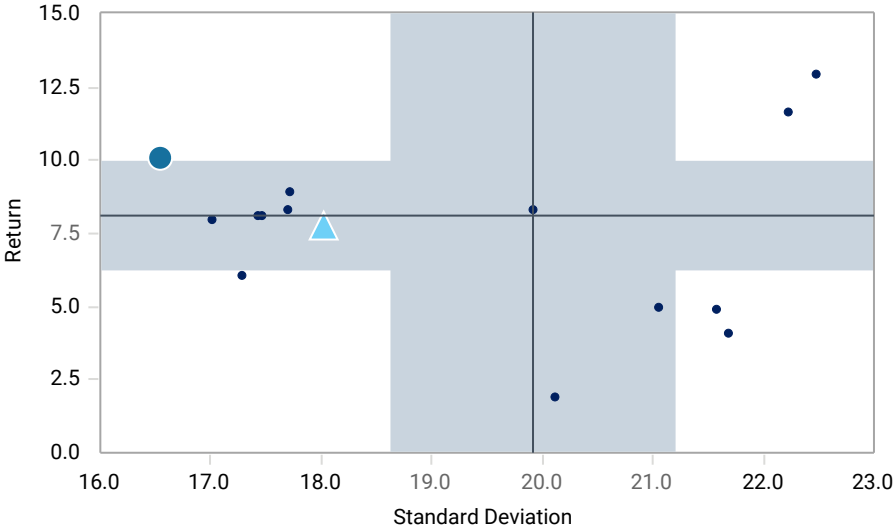


Los Angeles City Employees' Retirement System-LACERS Master Trust

MFS INSTITUTIONAL ADVISORS

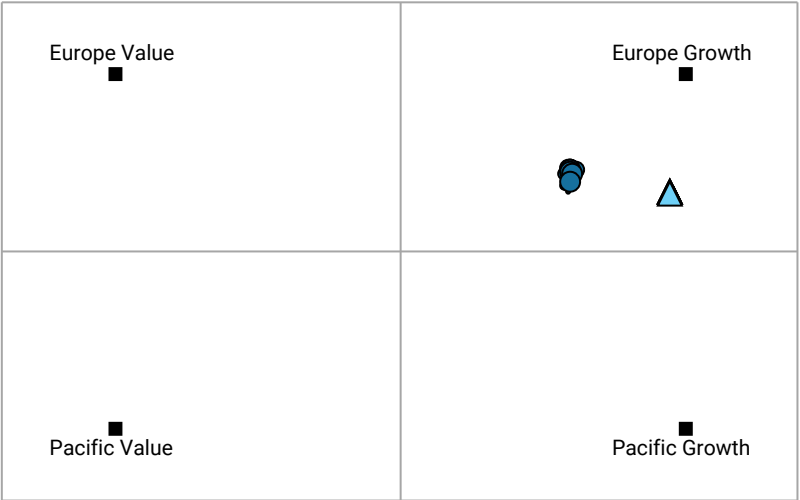
September 30, 2024

5 Years Return vs. Standard Deviation

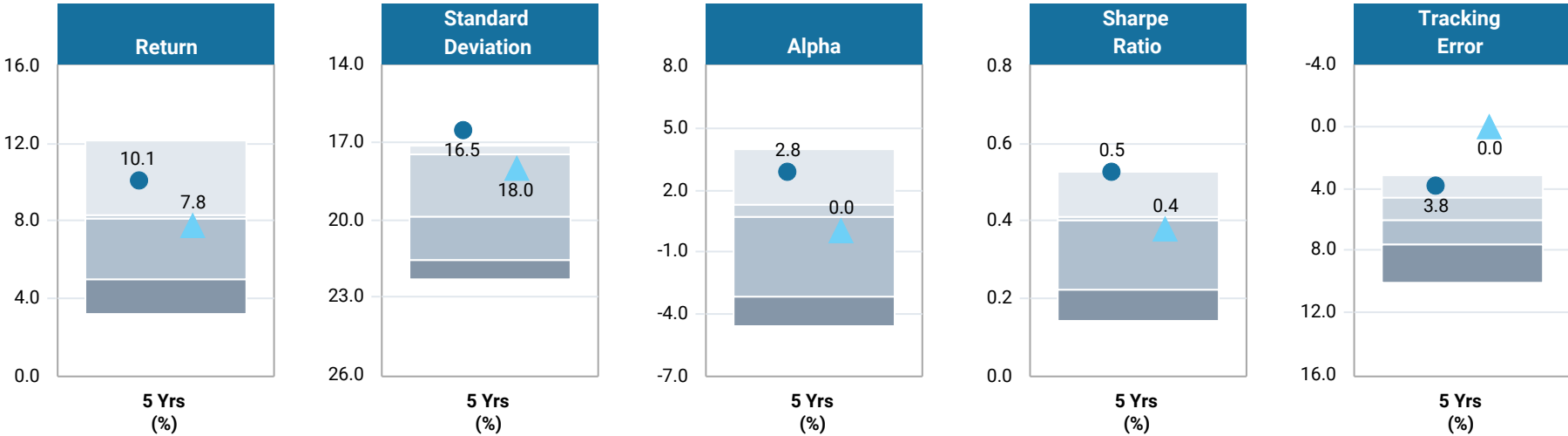


● MFS Institutional Advisors
▲ MSCI World ex USA Growth NR USD

Rolling 5 Years Style Map

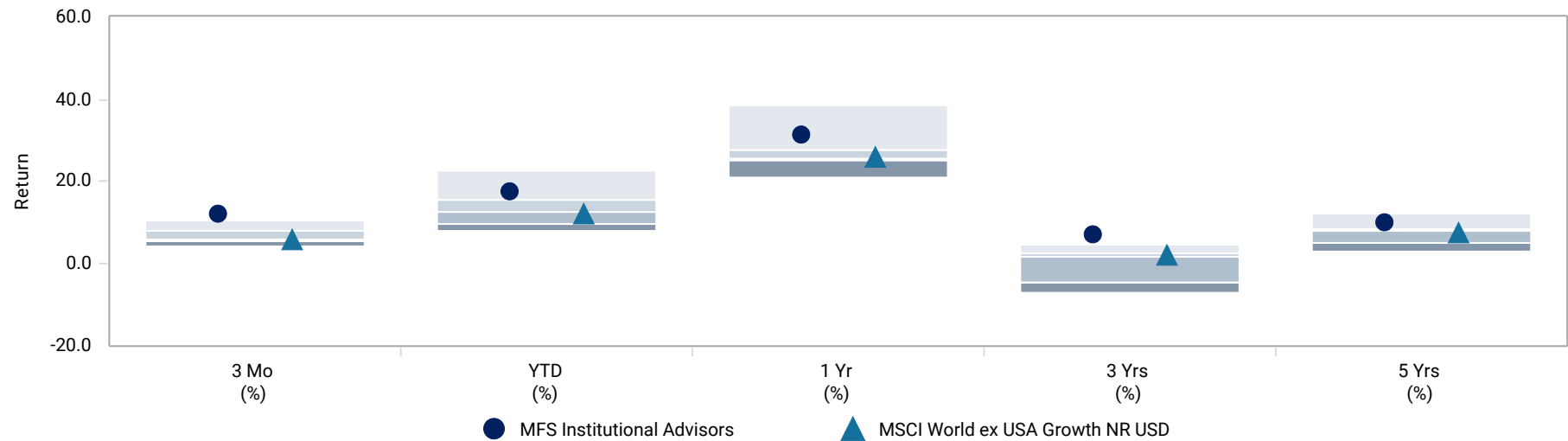


● MFS Institutional Advisors
▲ MSCI World ex USA Growth NR USD

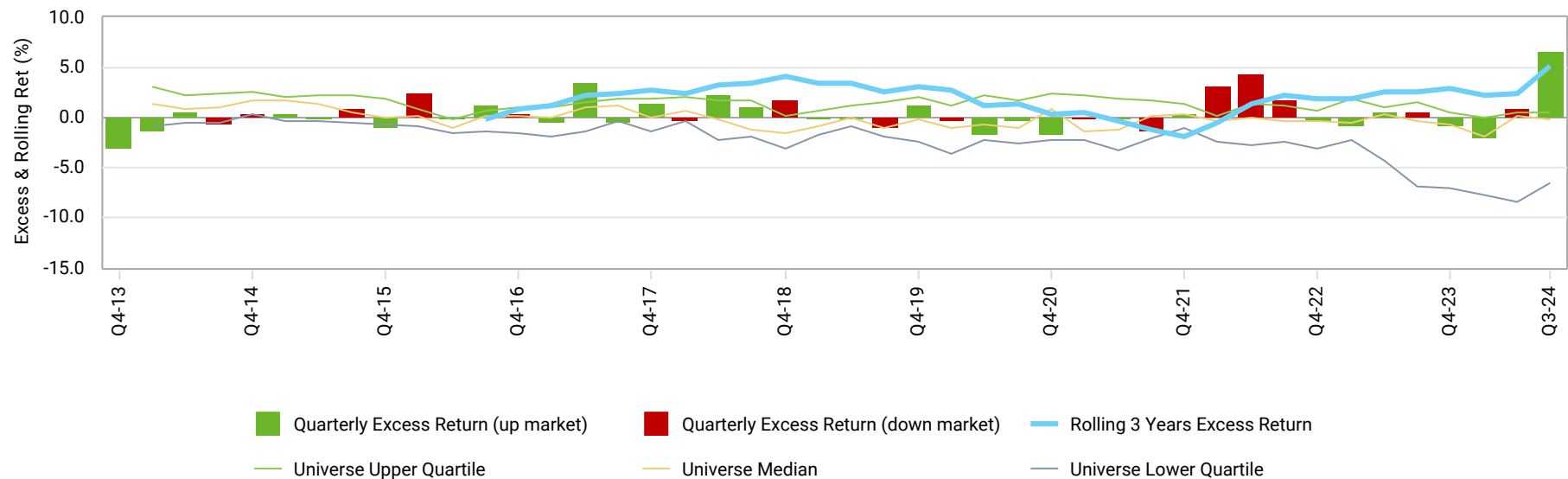


MFS INSTITUTIONAL ADVISORS

eV EAFE All Cap Growth (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

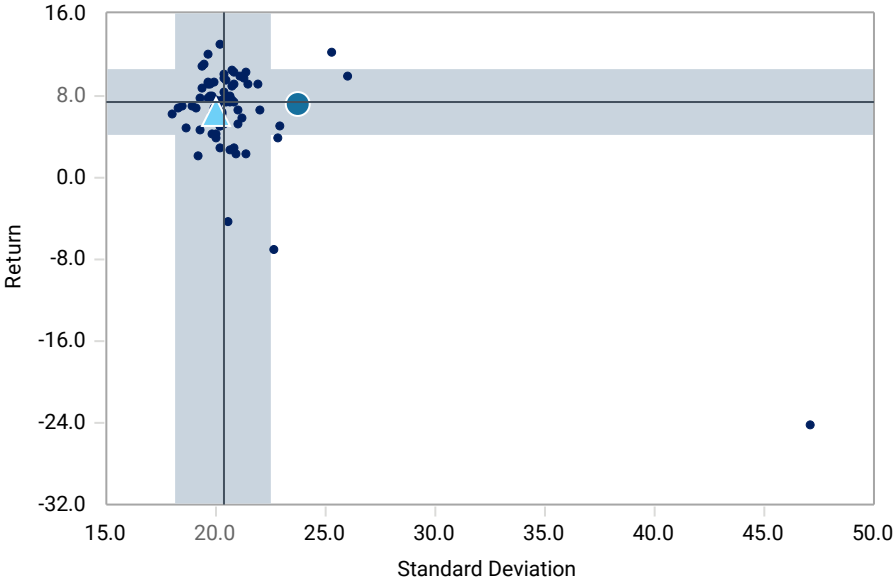


Los Angeles City Employees' Retirement System-LACERS Master Trust

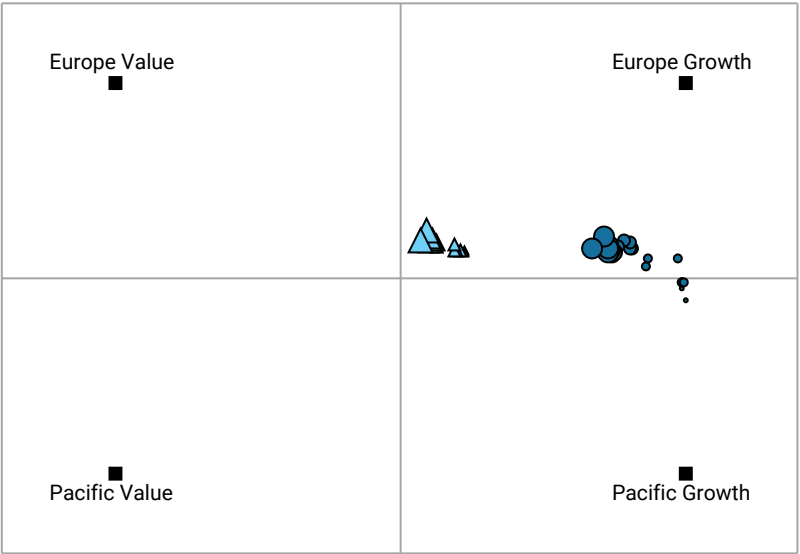
OBERWEIS ASSET MGMT

September 30, 2024

5 Years Return vs. Standard Deviation

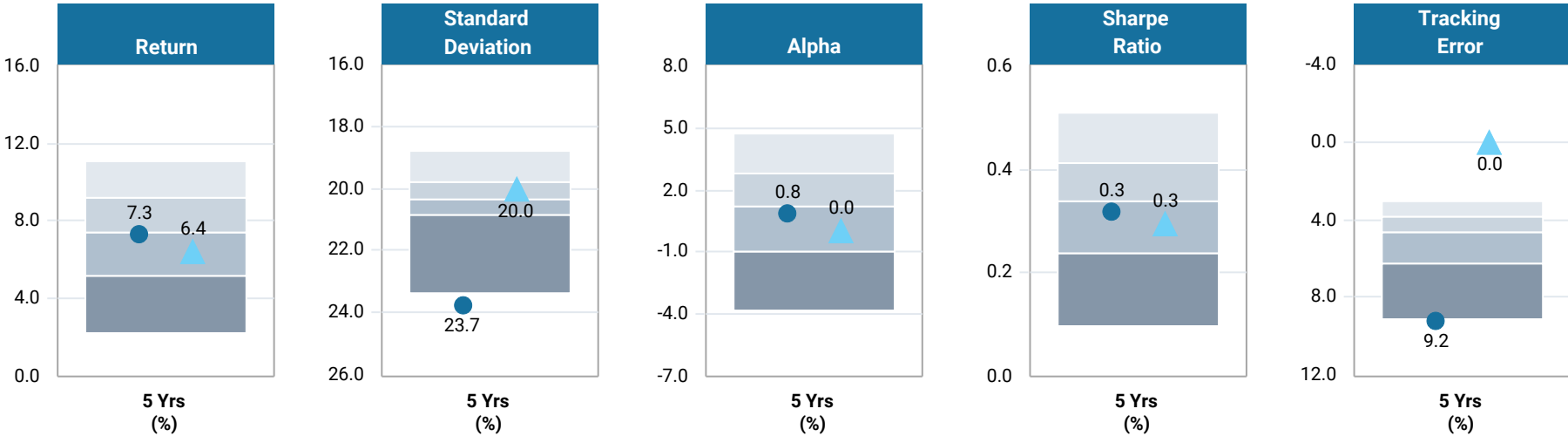


Rolling 5 Years Style Map



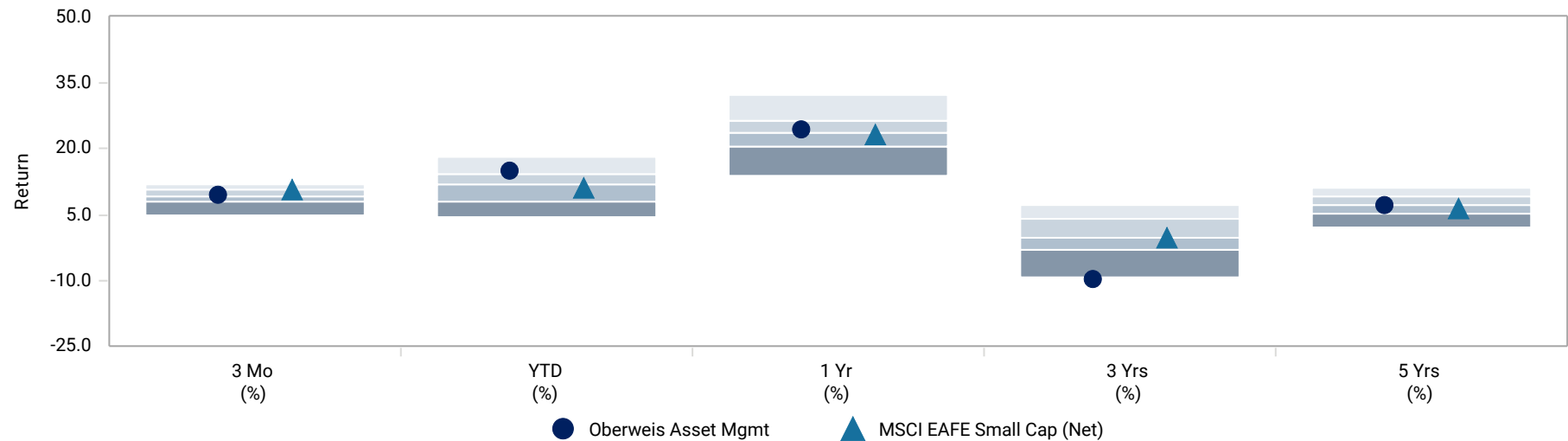
● Oberweis Asset Mgmt ▲ MSCI EAFE Small Cap (Net)

● Oberweis Asset Mgmt ▲ MSCI EAFE Small Cap (Net)

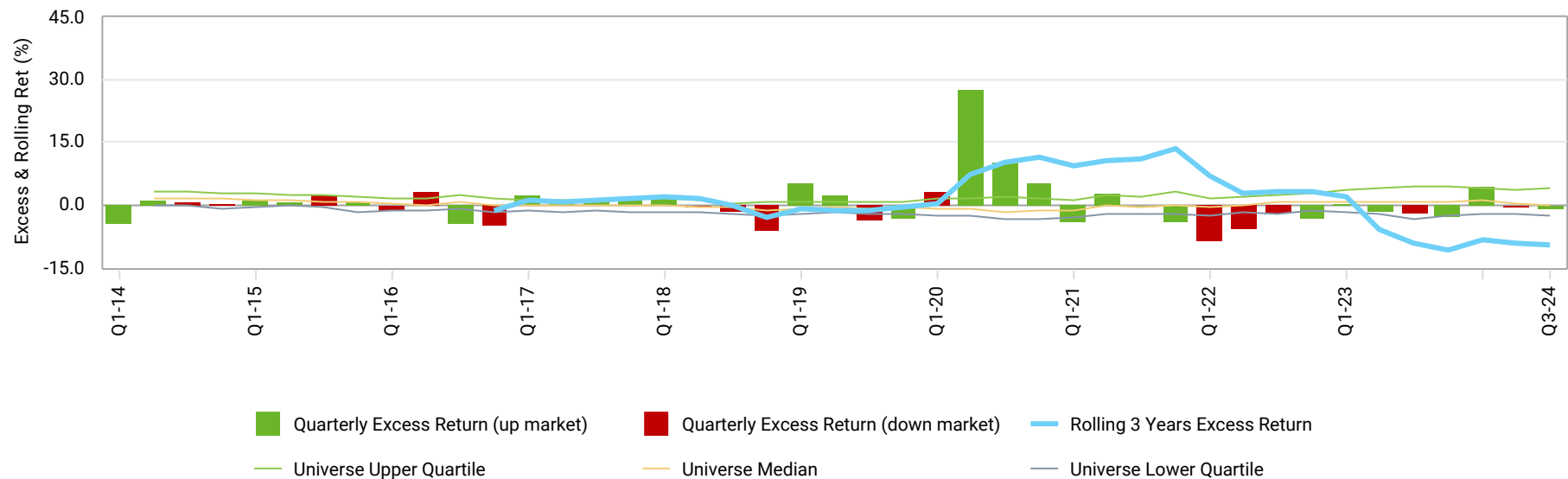


OBERWEIS ASSET MGMT

eV EAFE Small Cap Equity (net of fees)

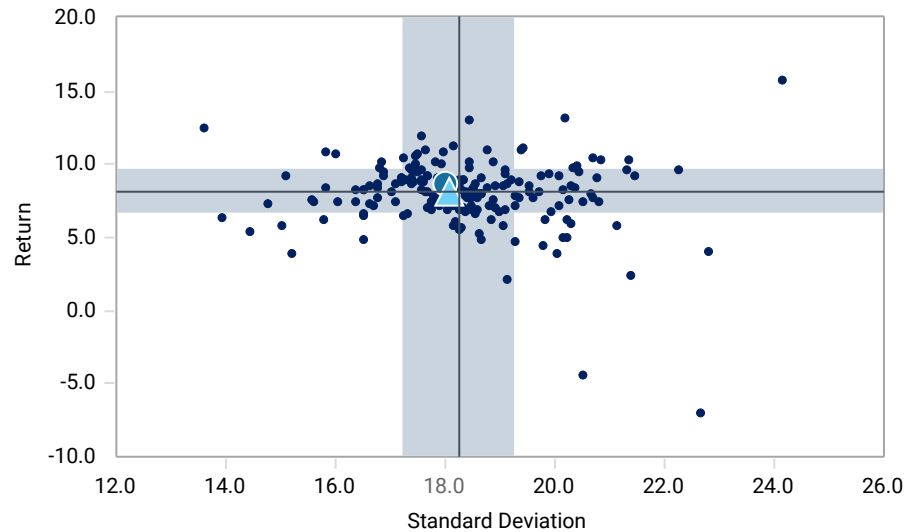


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024



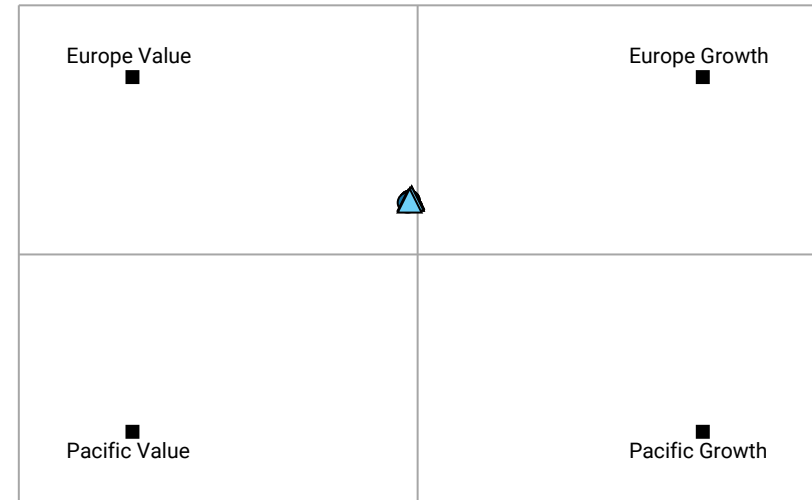
SSGA WORLD EX US IMI

5 Years Return vs. Standard Deviation

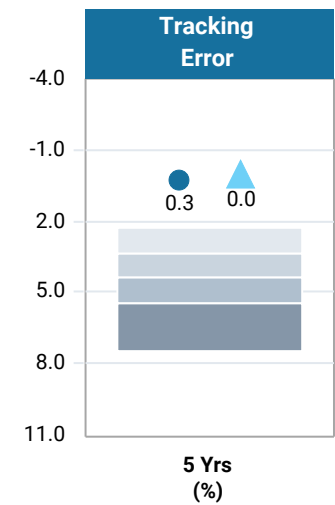
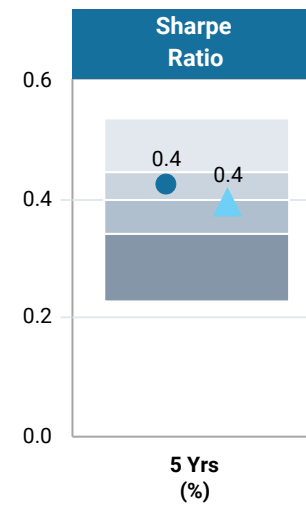
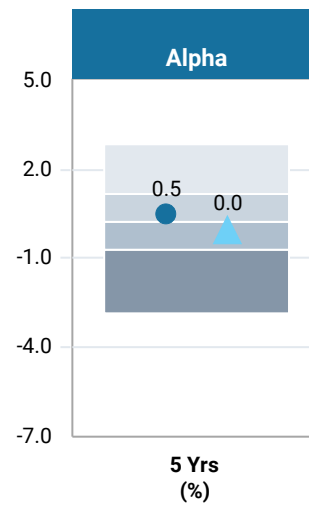
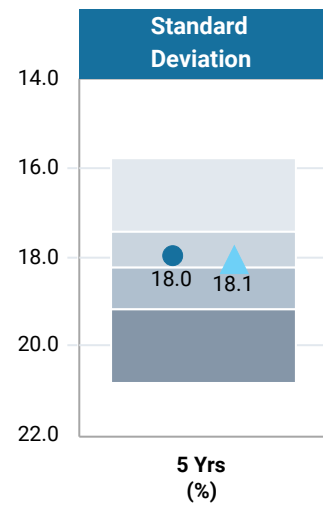
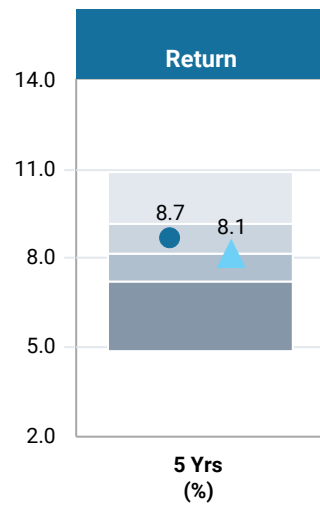


● SSGA World ex US IMI
▲ MSCI World ex U.S. IMI Index (Net)

Rolling 5 Years Style Map

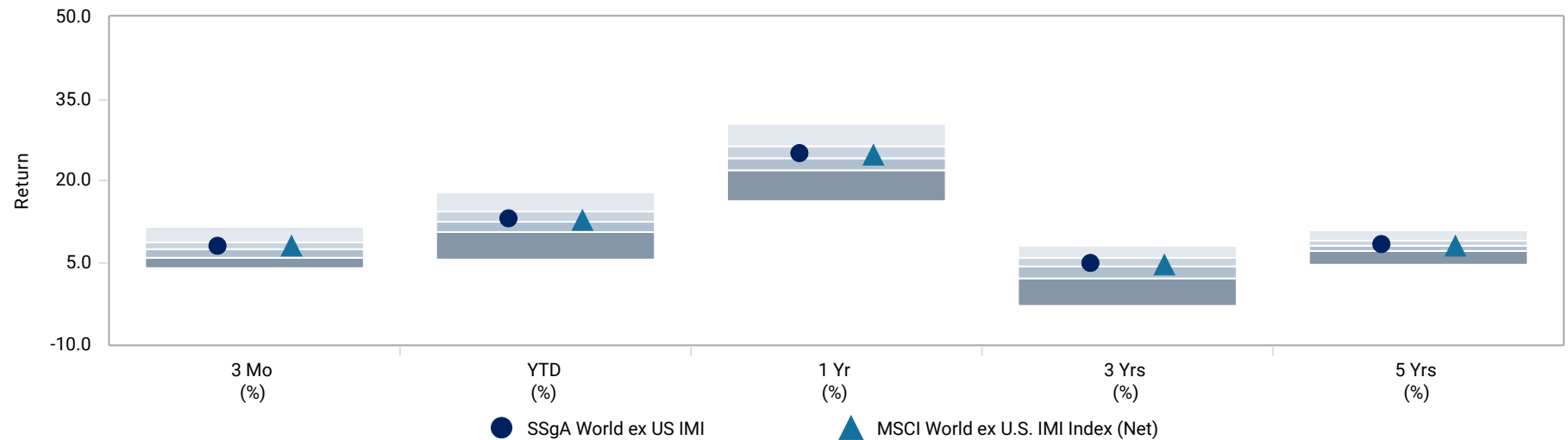


● SSGA World ex US IMI
▲ MSCI World ex U.S. IMI Index (Net)

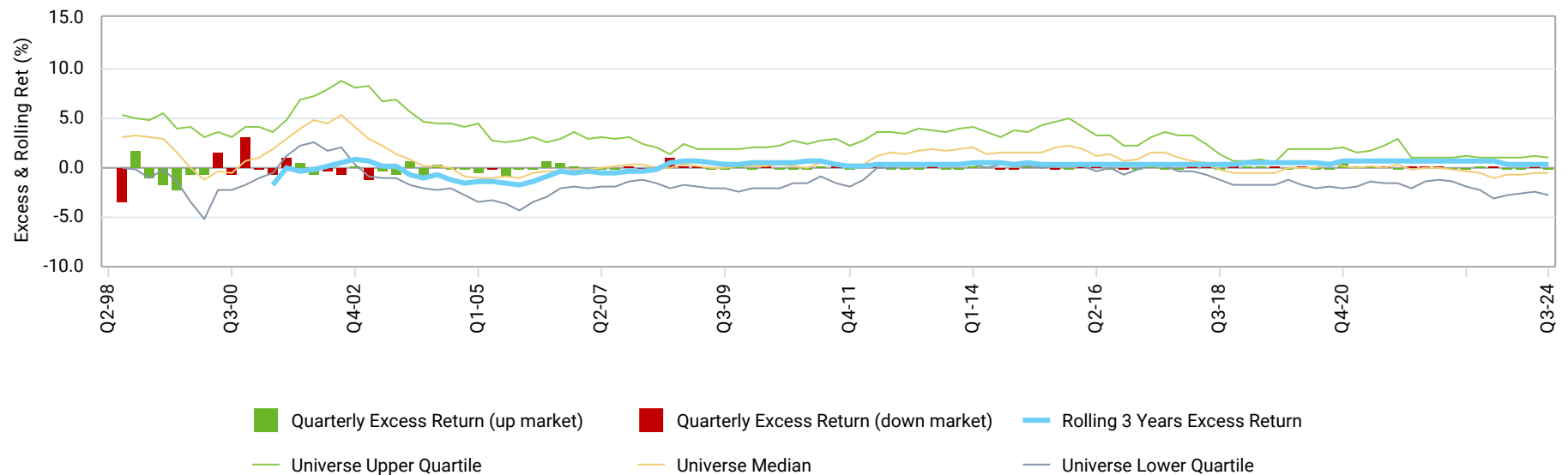


SSGA WORLD EX US IMI

eV EAFE Core Equity (net of fees)

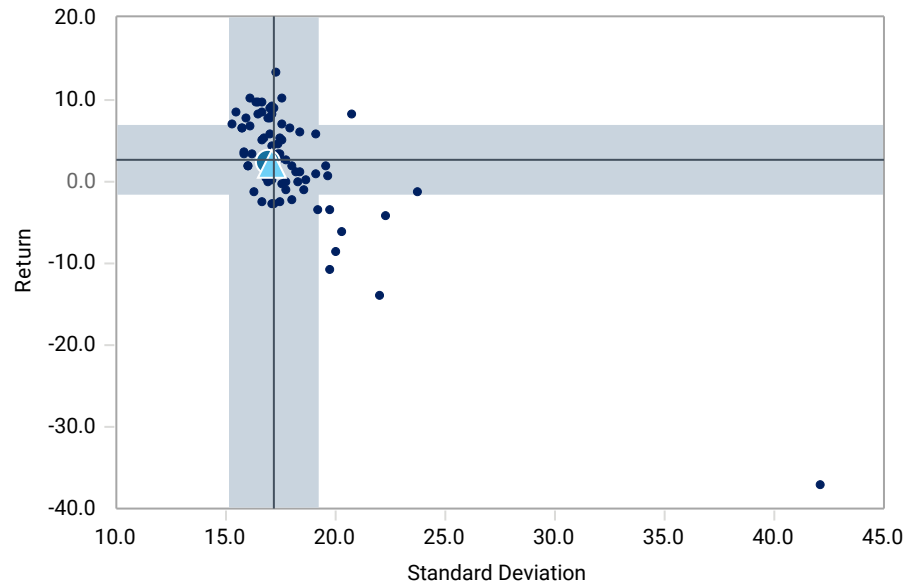


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

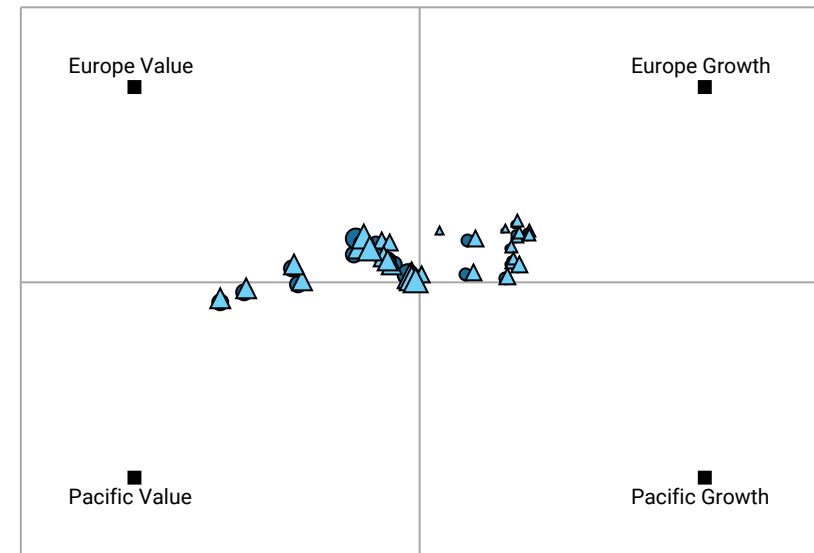


SSGA EAFE SMALL CAP

Since Inception Return vs. Standard Deviation



Rolling 1 Year Style Map



● State Street EAFE SC

▲ MSCI EAFE Small Cap (Net)

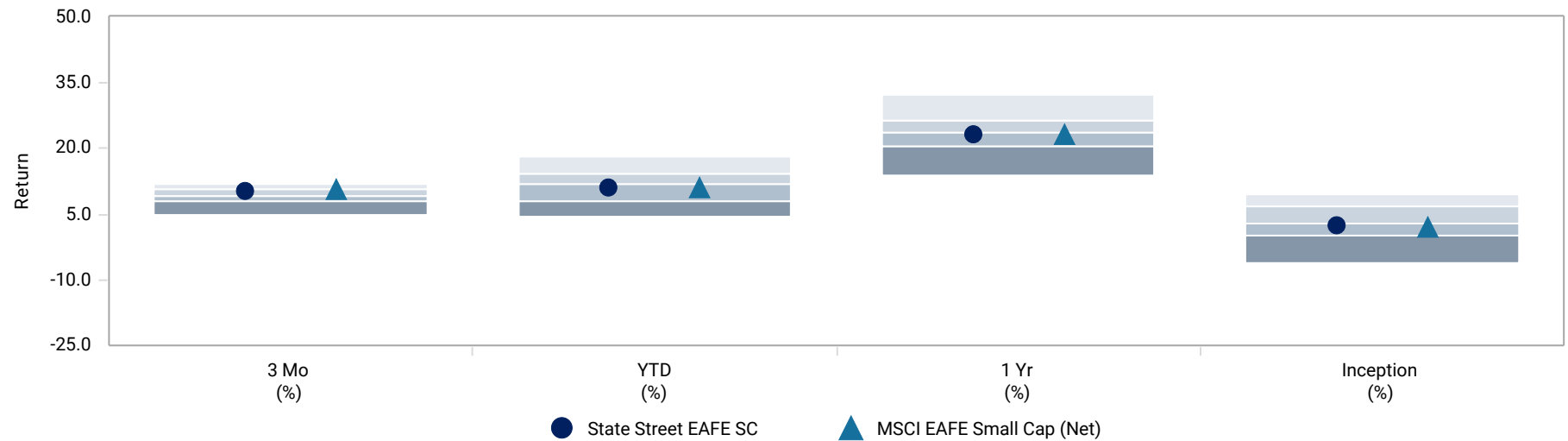
● State Street EAFE SC

▲ MSCI EAFE Small Cap (Net)

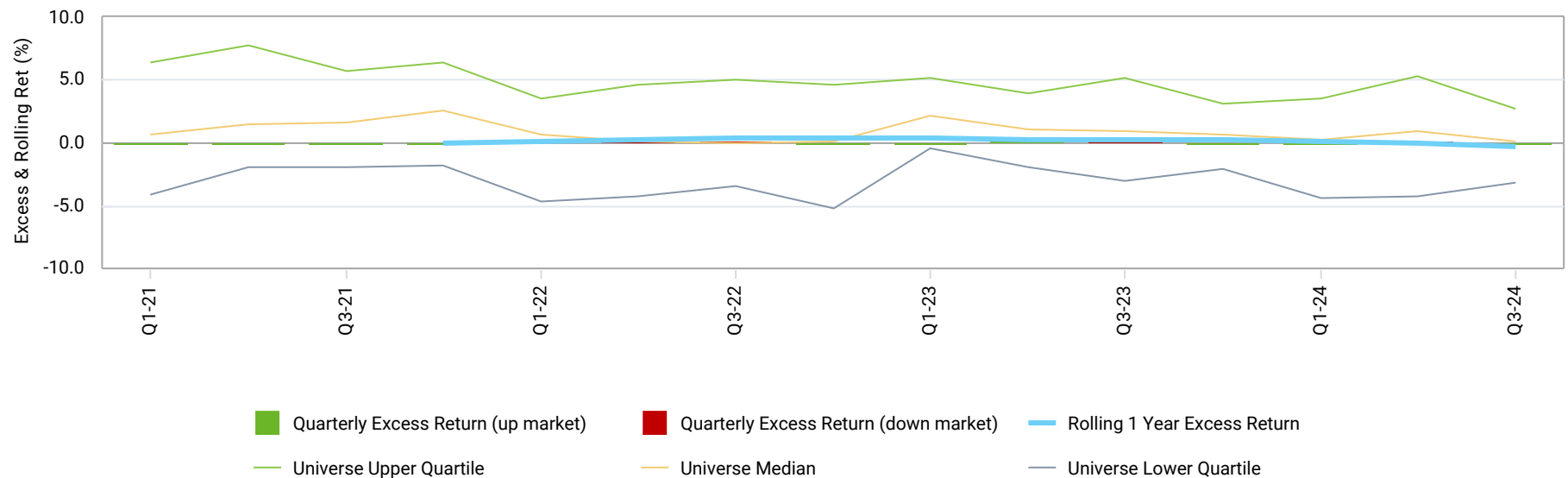


SSGA EAFE SMALL CAP

eV EAFE Small Cap Equity (net of fees)

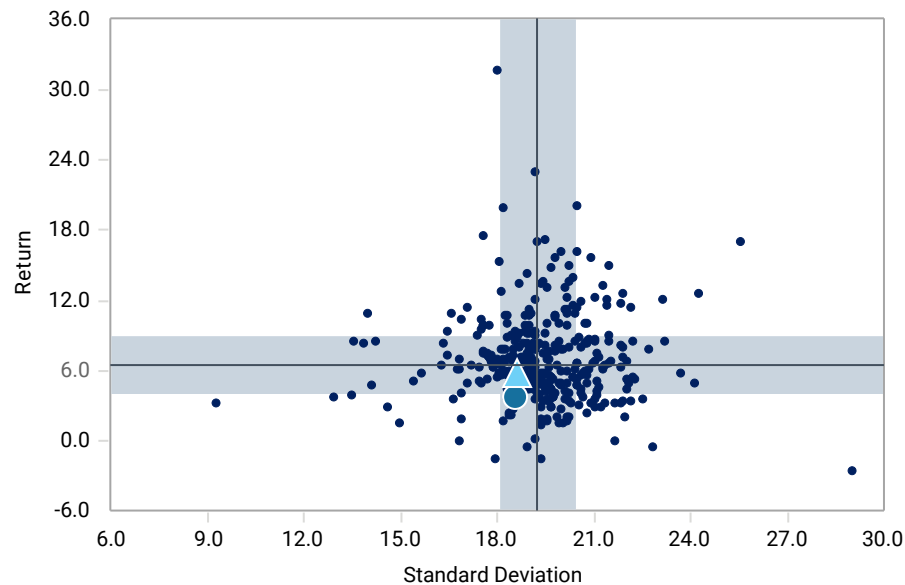


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

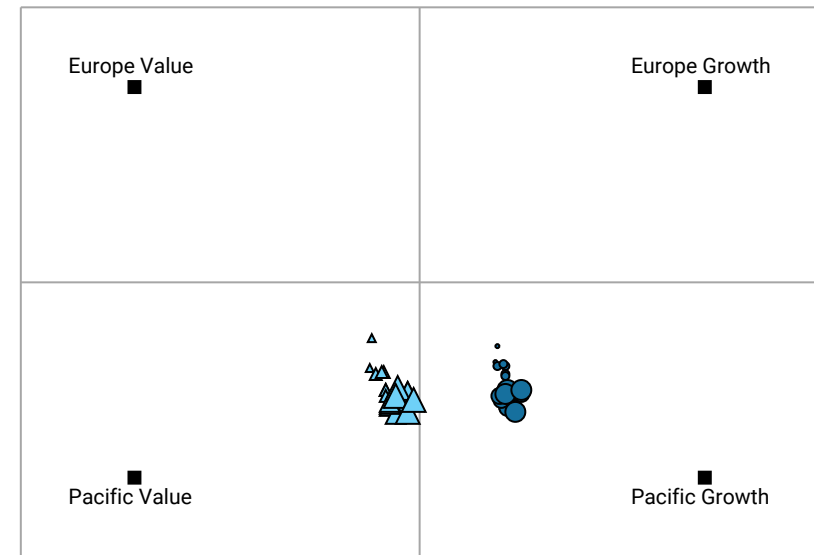


AXIOM EMERGING MARKETS

5 Years Return vs. Standard Deviation



Rolling 5 Years Style Map



● Axiom Emerging Markets

▲ MSCI Emerging Markets (Net)

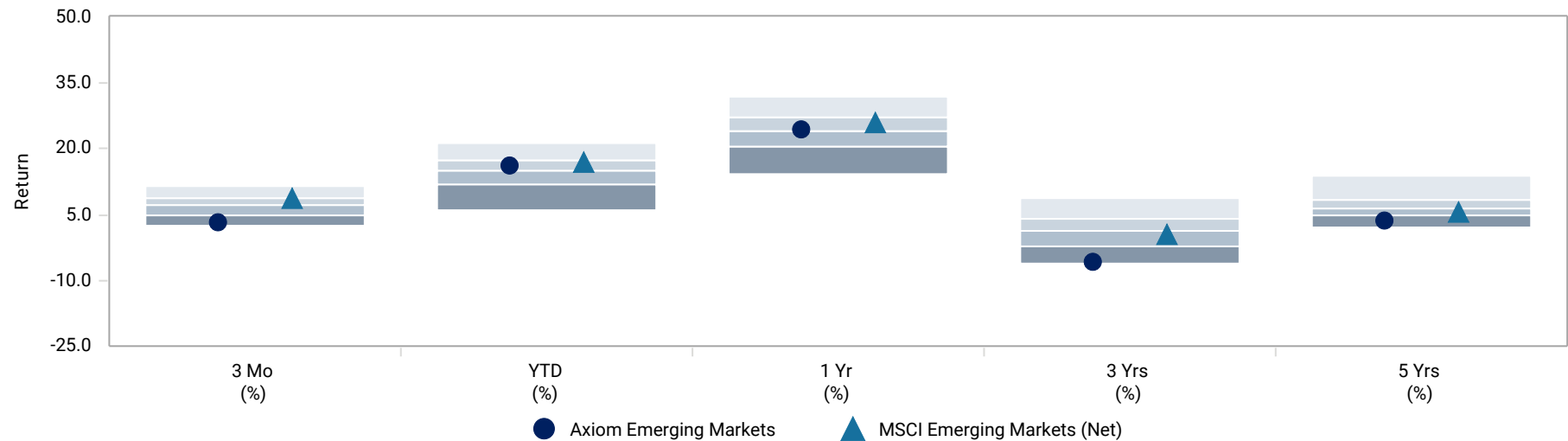
● Axiom Emerging Markets

▲ MSCI Emerging Markets (Net)

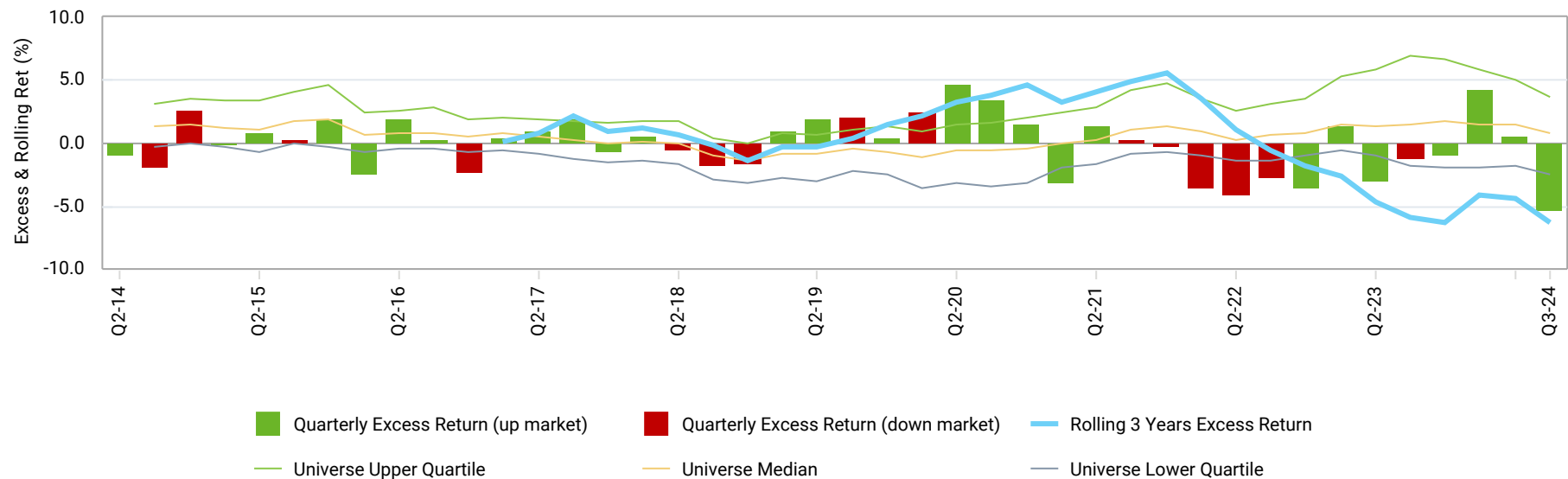


AXIOM EMERGING MARKETS

eV Emg Mkts Equity (net of fees)

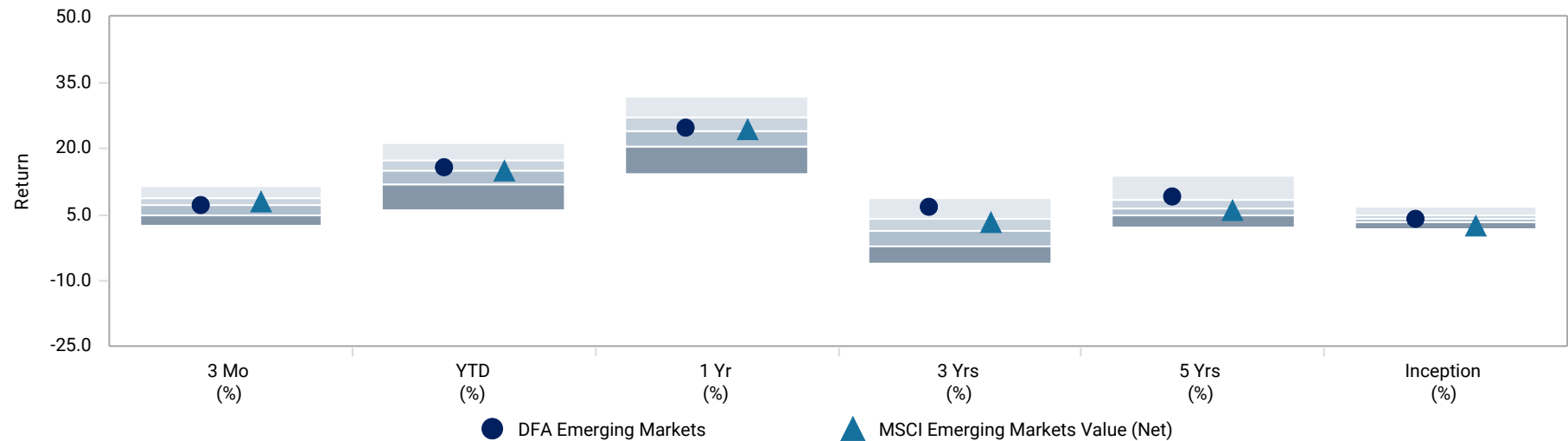


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

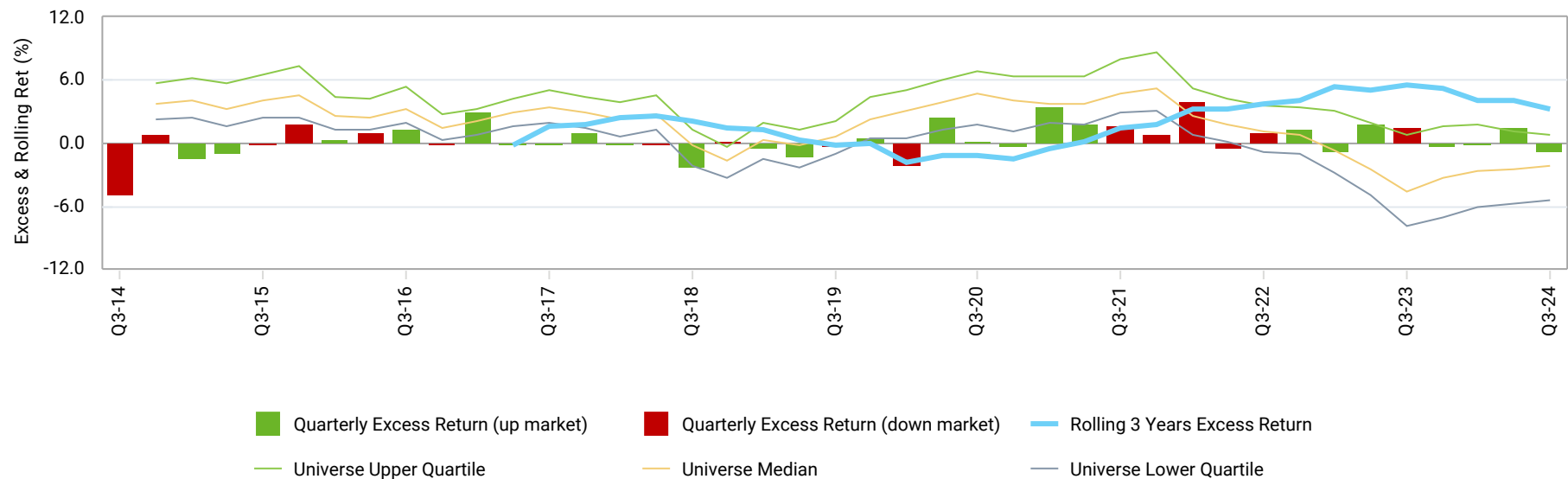


DFA EMERGING MARKETS

eV Emg Mkts Equity (net of fees)

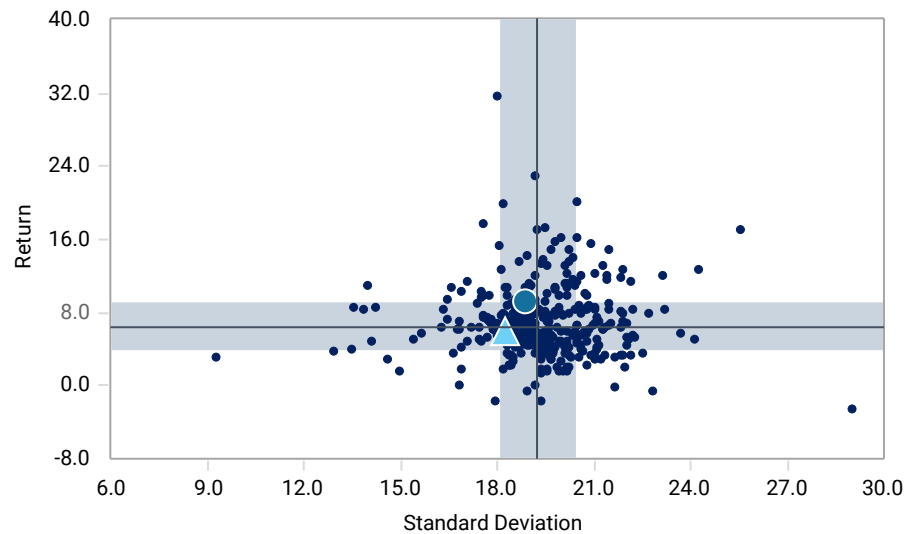


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

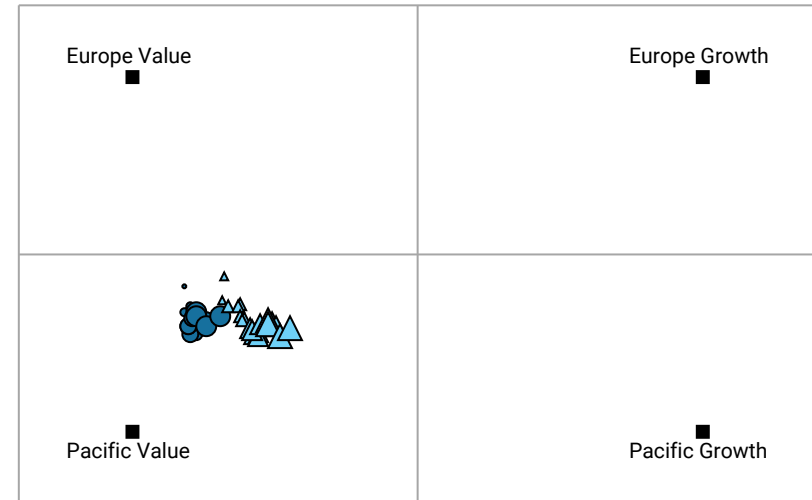


DFA EMERGING MARKETS

5 Years Return vs. Standard Deviation

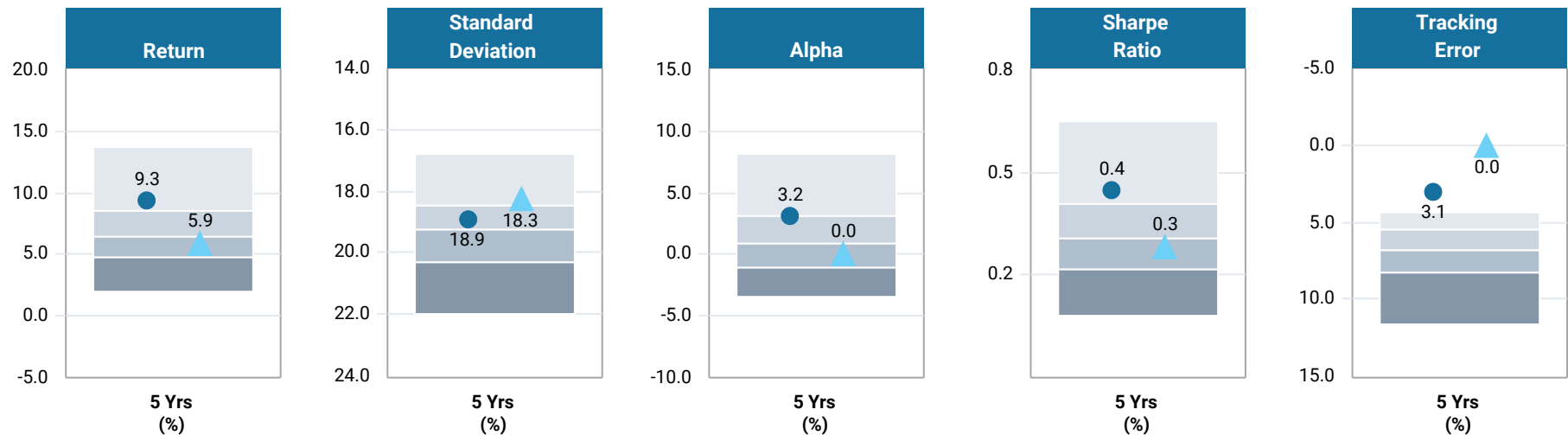


Rolling 5 Years Style Map



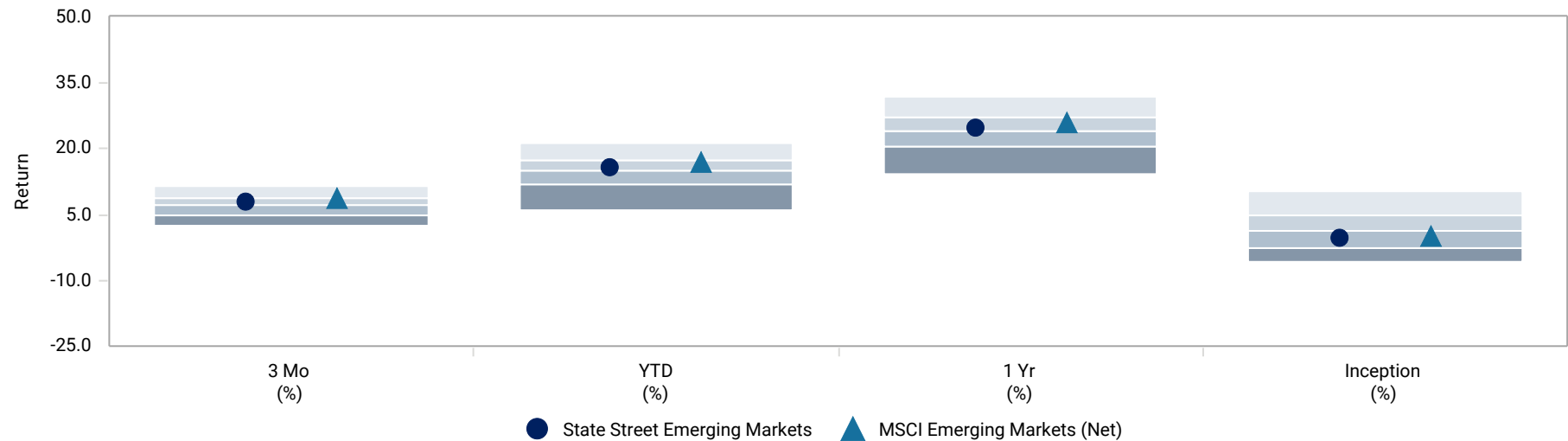
● DFA Emerging Markets
▲ MSCI Emerging Markets Value (Net)

● DFA Emerging Markets
▲ MSCI Emerging Markets Value (Net)

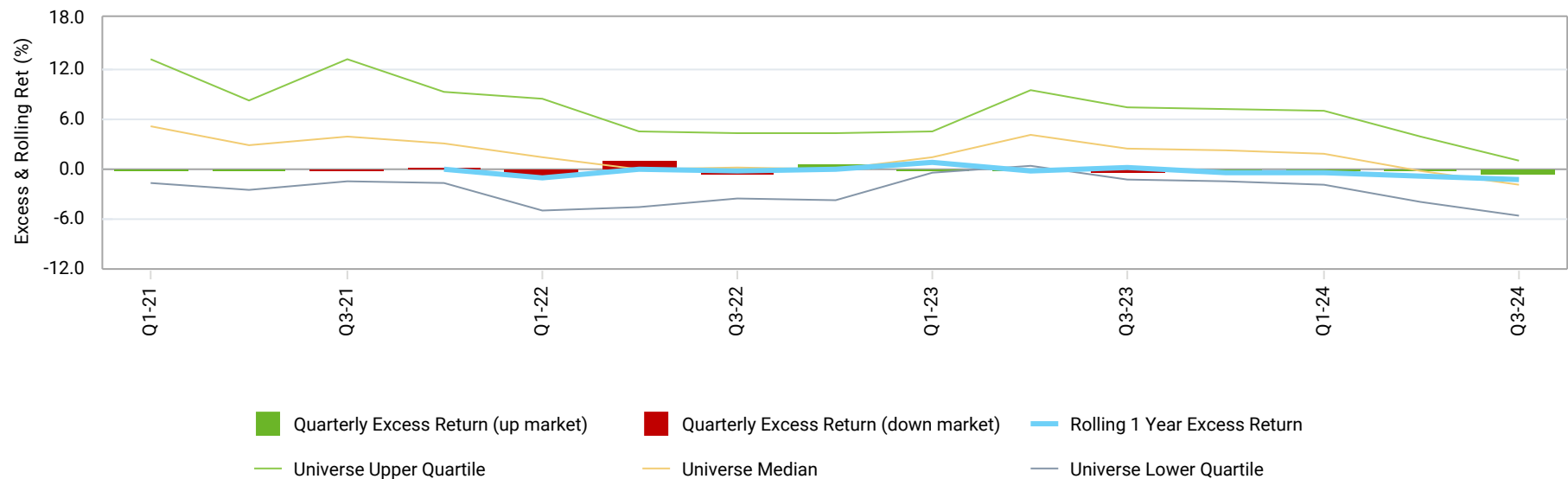


SSGA EMERGING MARKETS

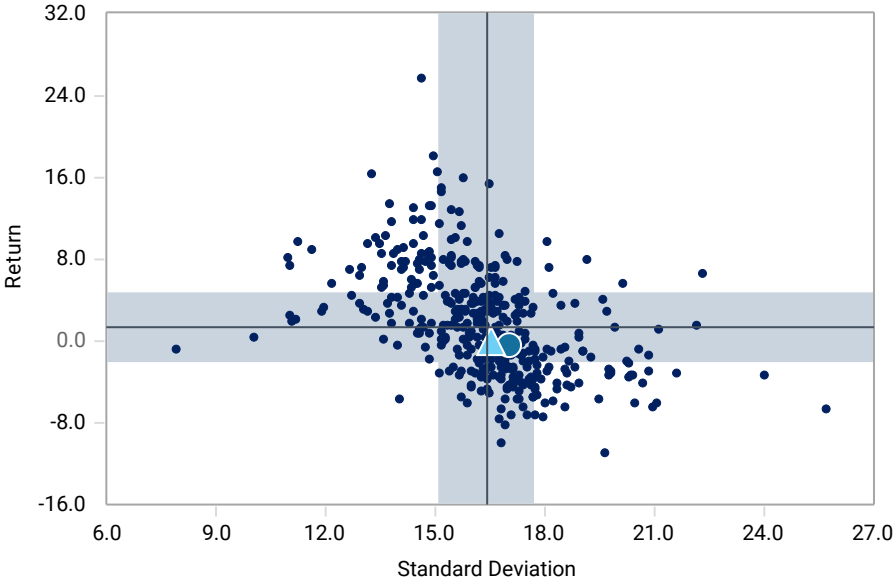
eV Emg Mkts Equity (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

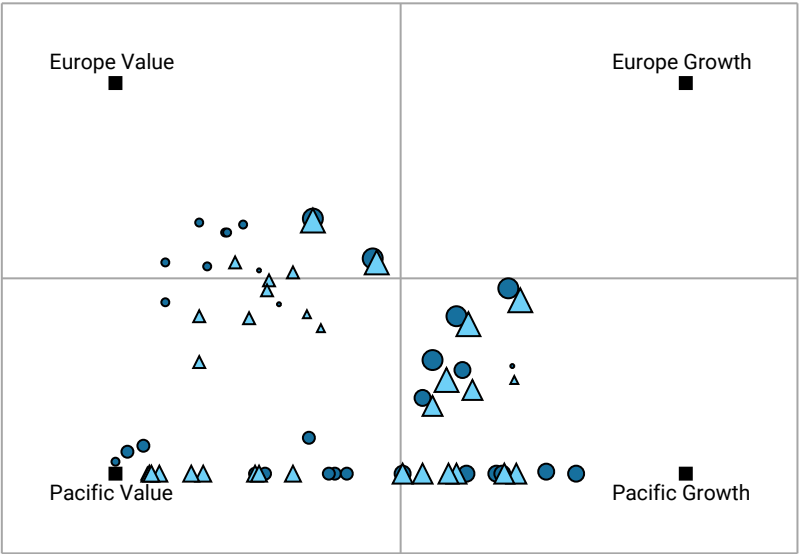


Since Inception Return vs. Standard Deviation

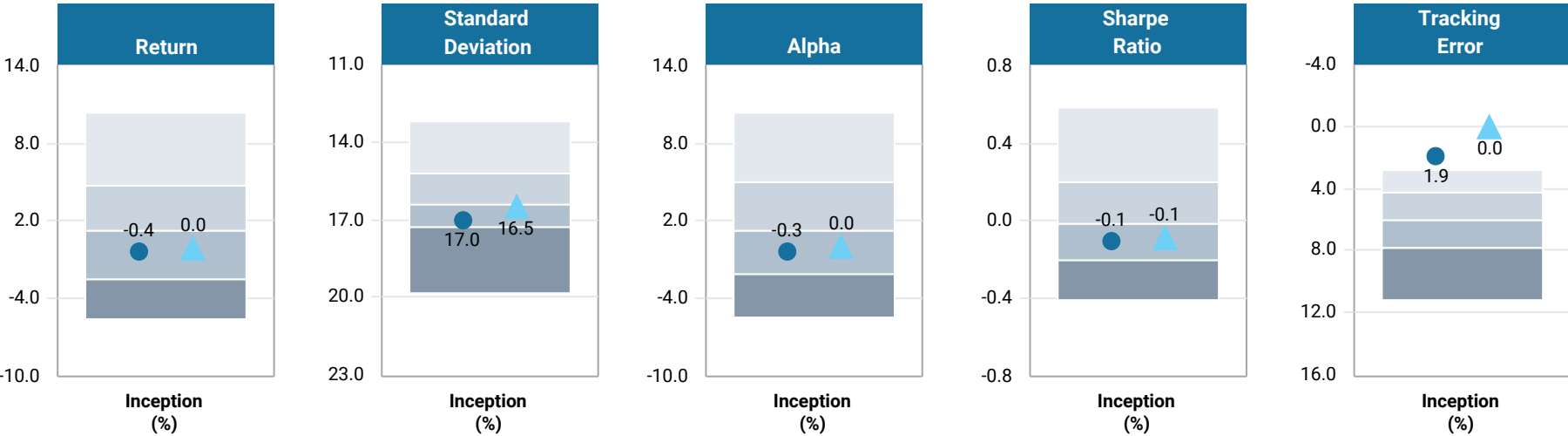


● State Street Emerging Markets ▲ MSCI Emerging Markets (Net)

Rolling 1 Year Style Map

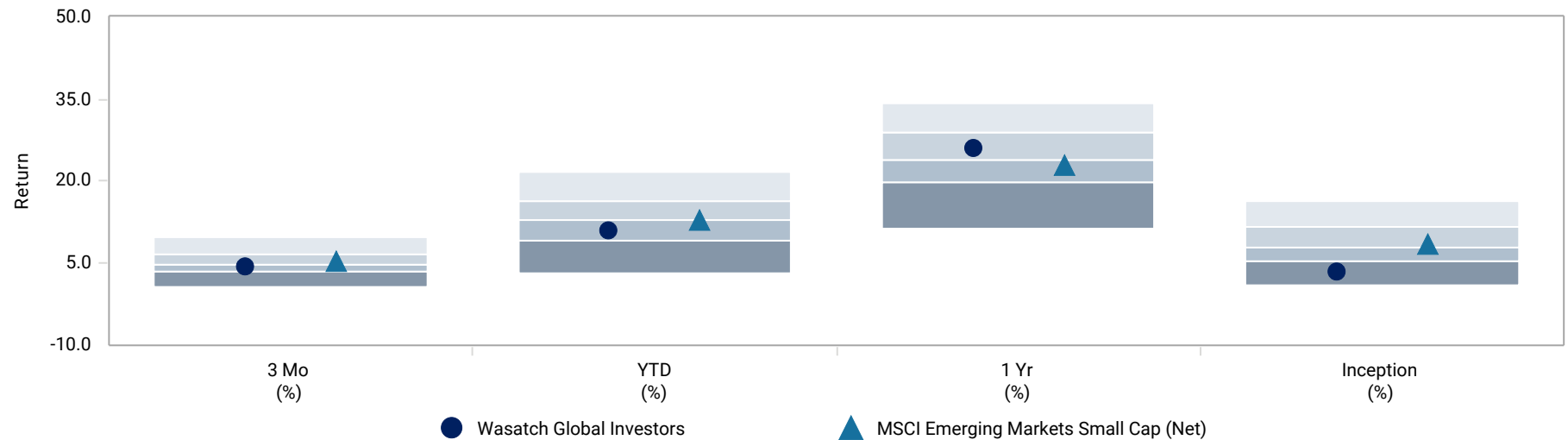


● State Street Emerging Markets ▲ MSCI Emerging Markets (Net)

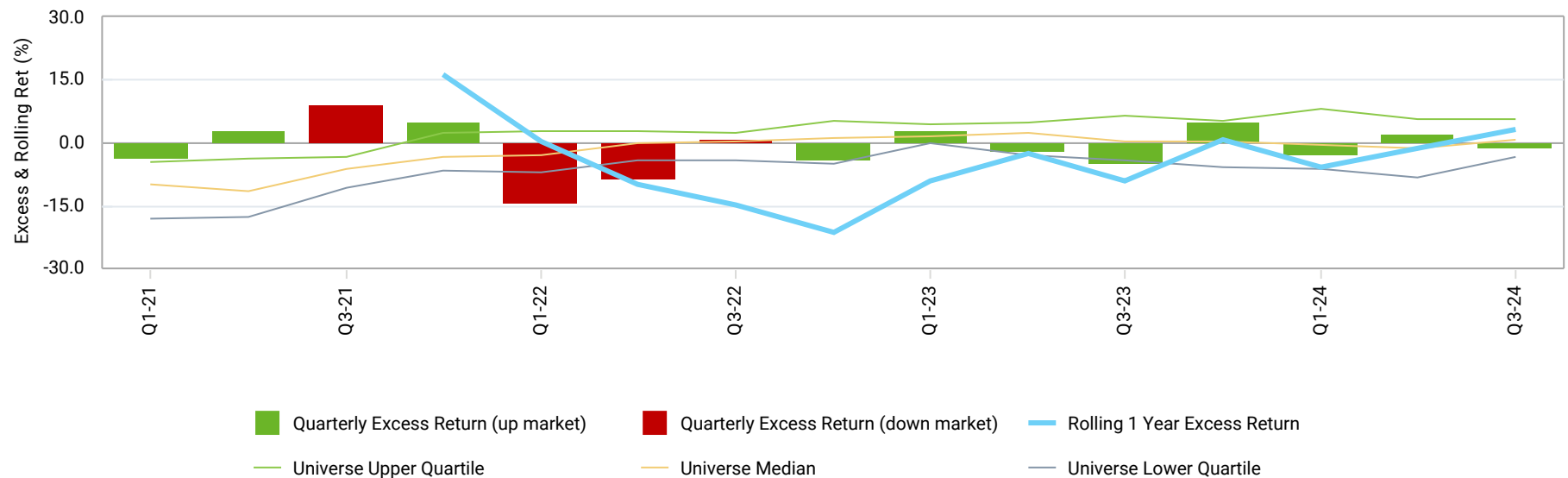


WASATCH GLOBAL INVESTORS

eV Emg Mkts Small Cap Equity (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

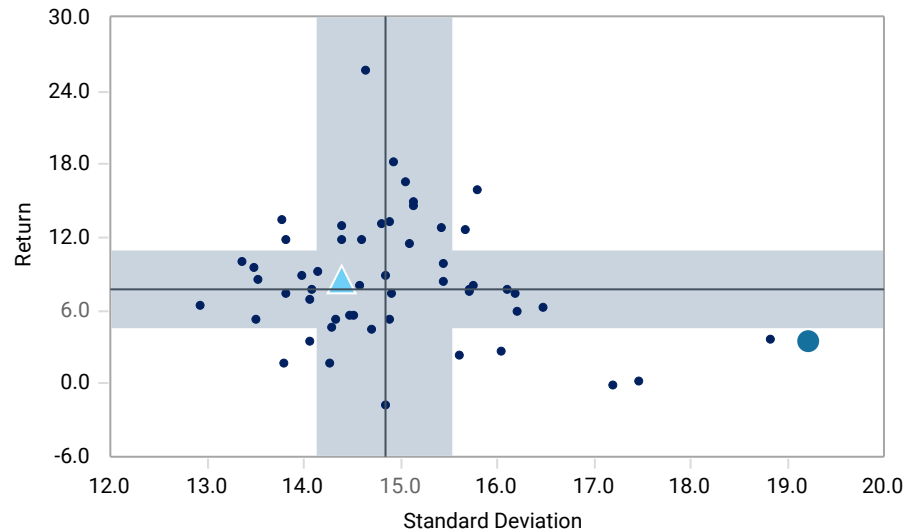


Los Angeles City Employees' Retirement System-LACERS Master Trust

WASATCH GLOBAL INVESTORS

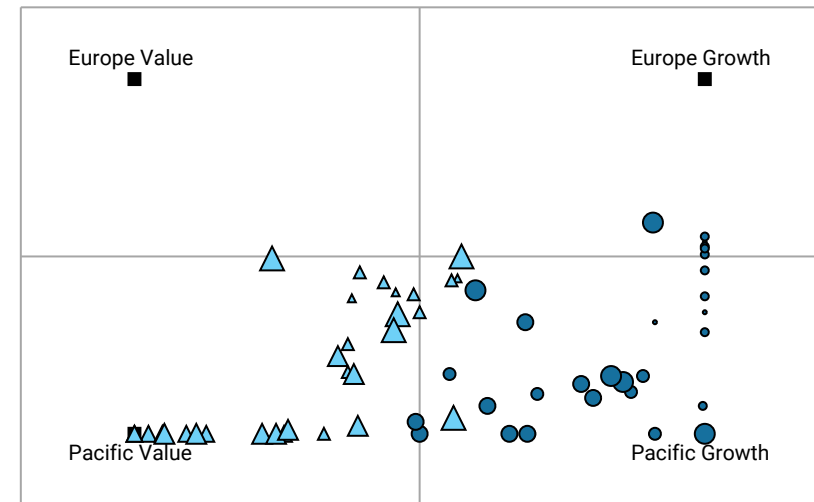
September 30, 2024

Since Inception Return vs. Standard Deviation



● Wasatch Global Investors
▲ MSCI Emerging Markets Small Cap (Net)

Rolling 1 Year Style Map



● Wasatch Global Investors
▲ MSCI Emerging Markets Small Cap (Net)

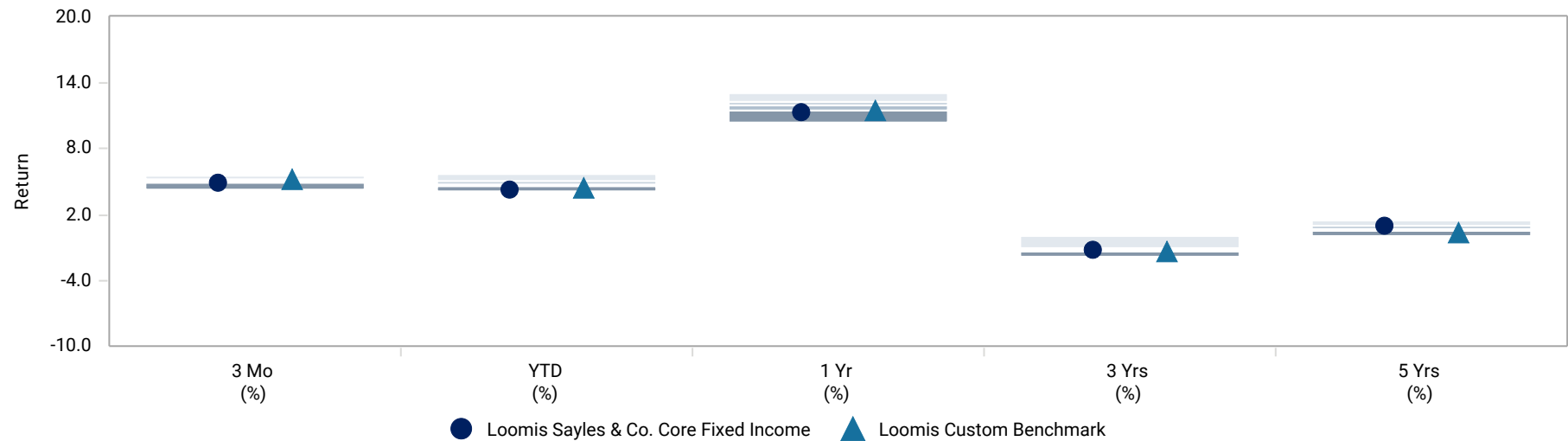




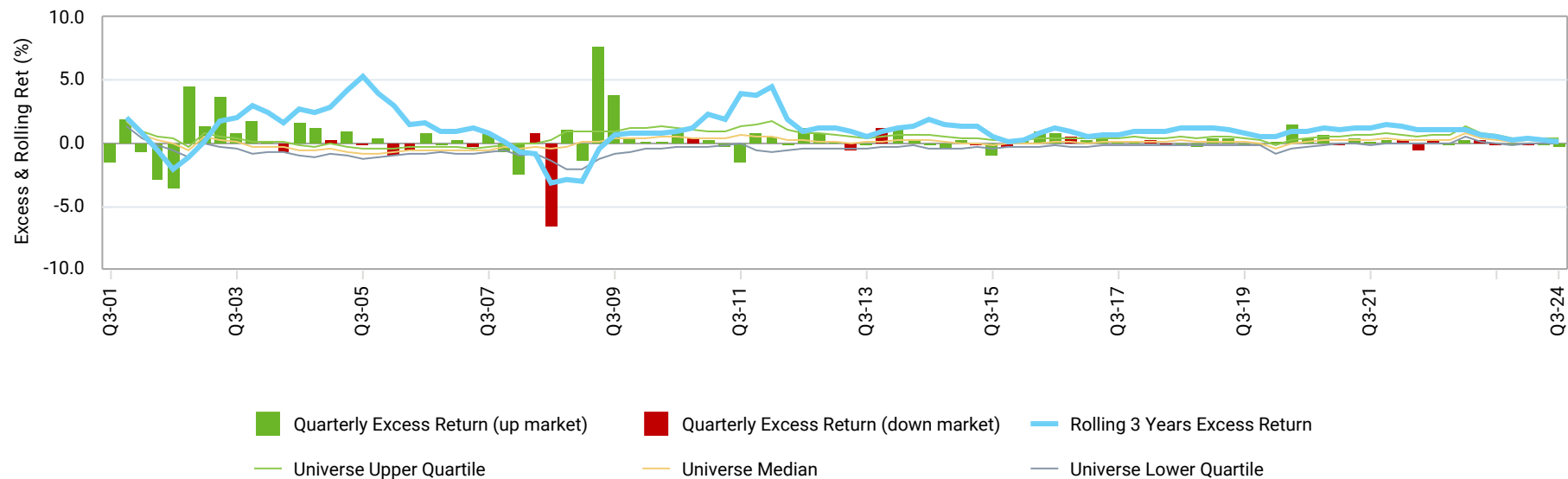
CORE FIXED INCOME MANAGER PERFORMANCE

LOOMIS SAYLES & CO. CORE FIXED INCOME

eV US Core Fixed Inc (net of fees)

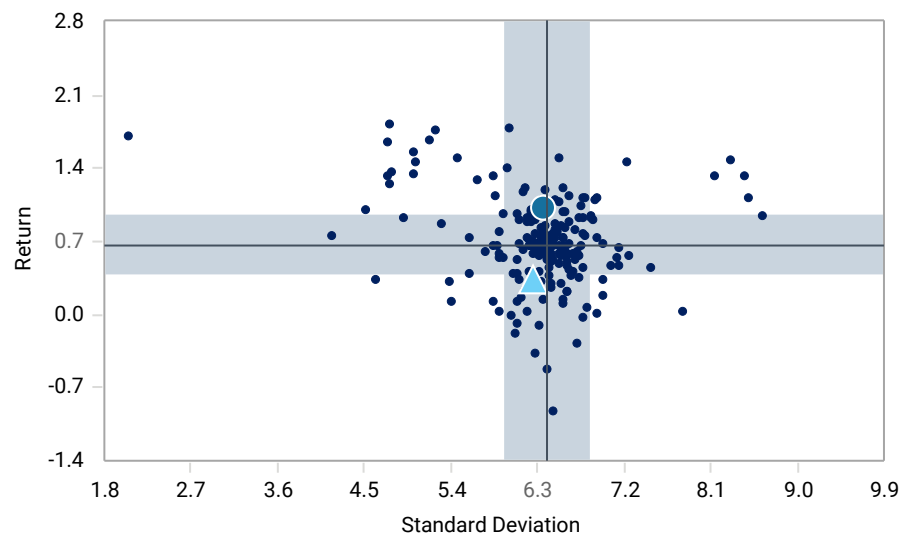


Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024



LOOMIS SAYLES & CO. CORE FIXED INCOME

5 Years Return vs. Standard Deviation

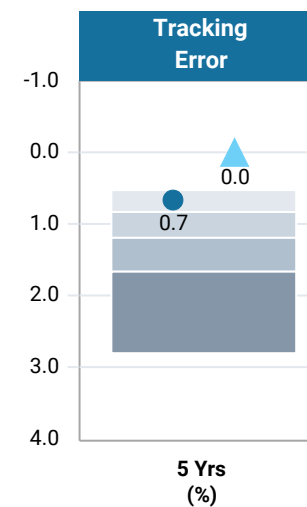
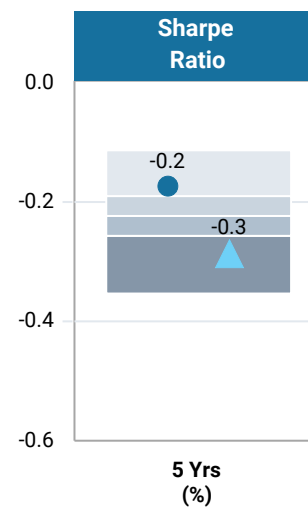
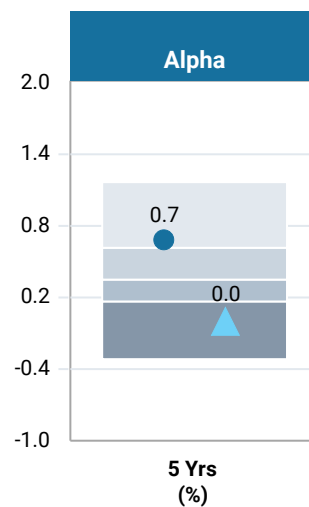
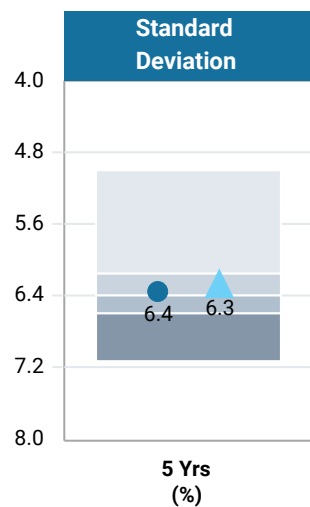
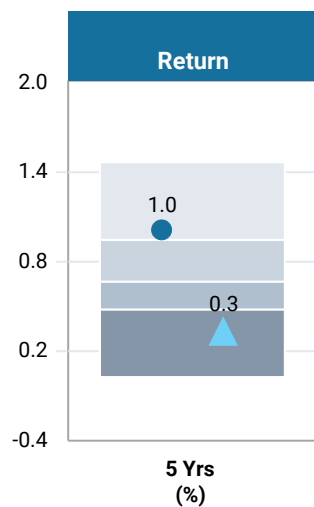


● Loomis Sayles & Co. Core Fixed Income
▲ Loomis Custom Benchmark

Style Map: (5 Years)

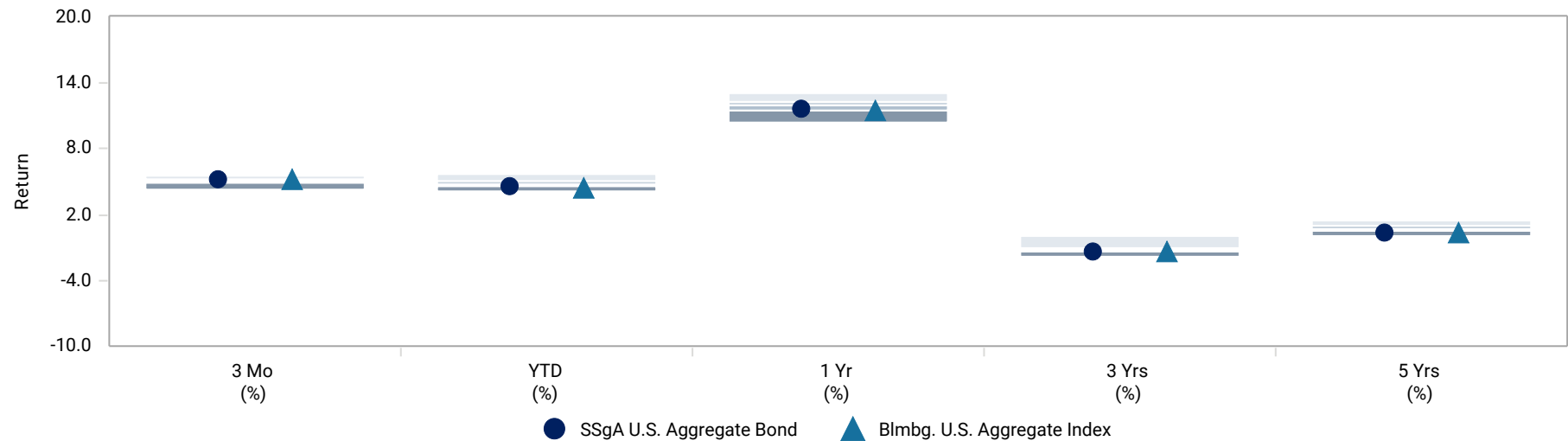


● Loomis Sayles & Co. Core Fixed Income
▲ Loomis Custom Benchmark

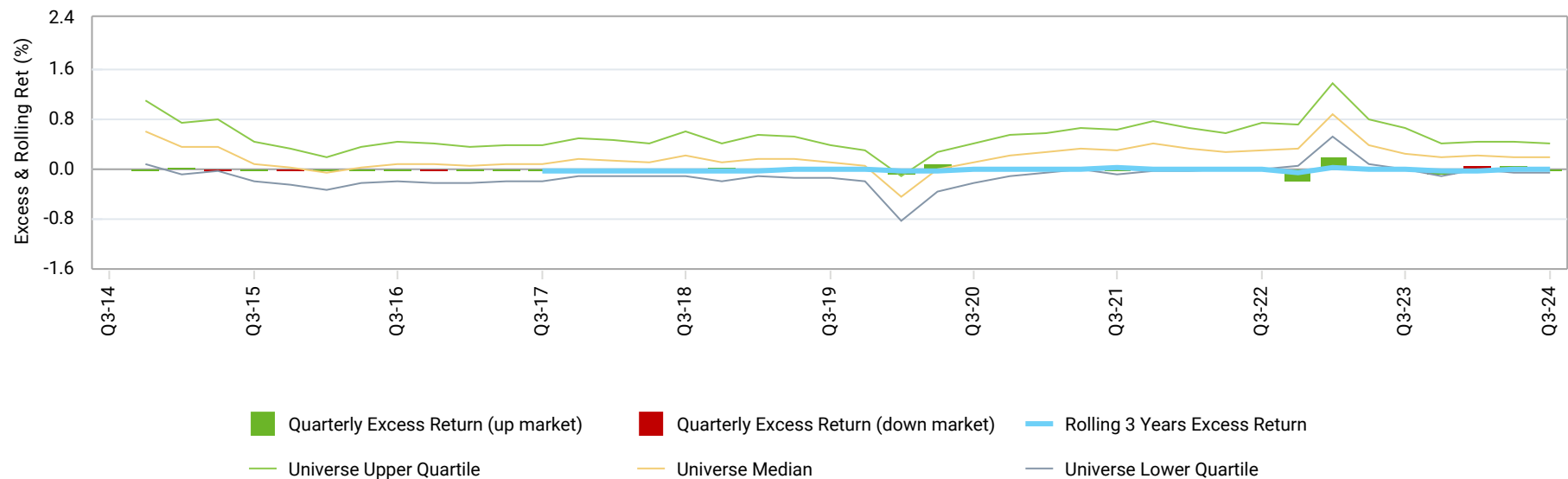


SSGA U.S. AGGREGATE BOND

eV US Core Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

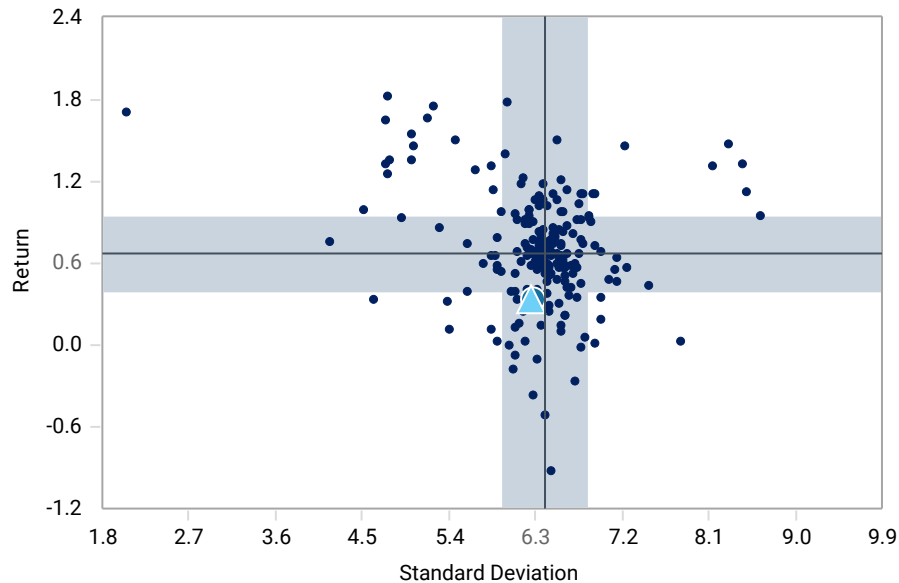


Los Angeles City Employees' Retirement System-LACERS Master Trust

SSGA U.S. AGGREGATE BOND

September 30, 2024

5 Years Return vs. Standard Deviation

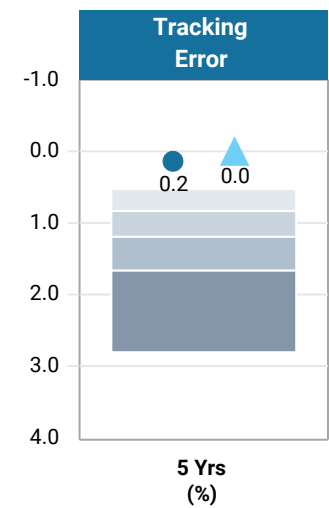
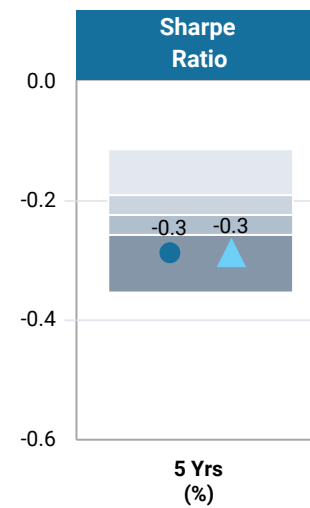
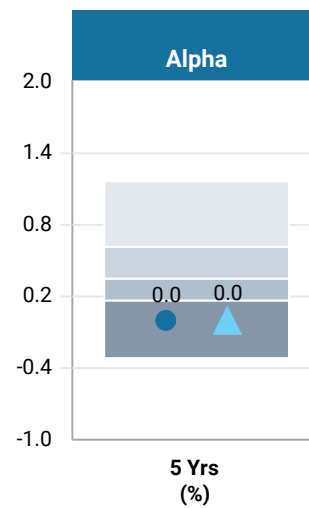
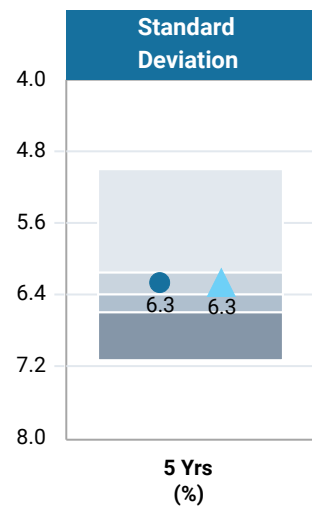
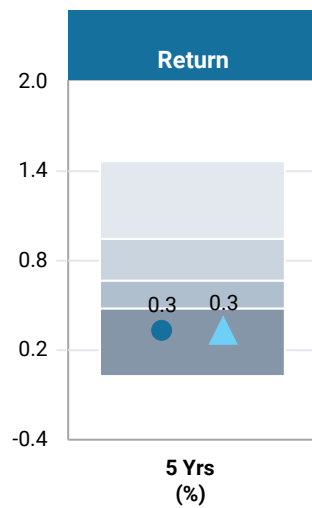


Style Map: (5 Years)



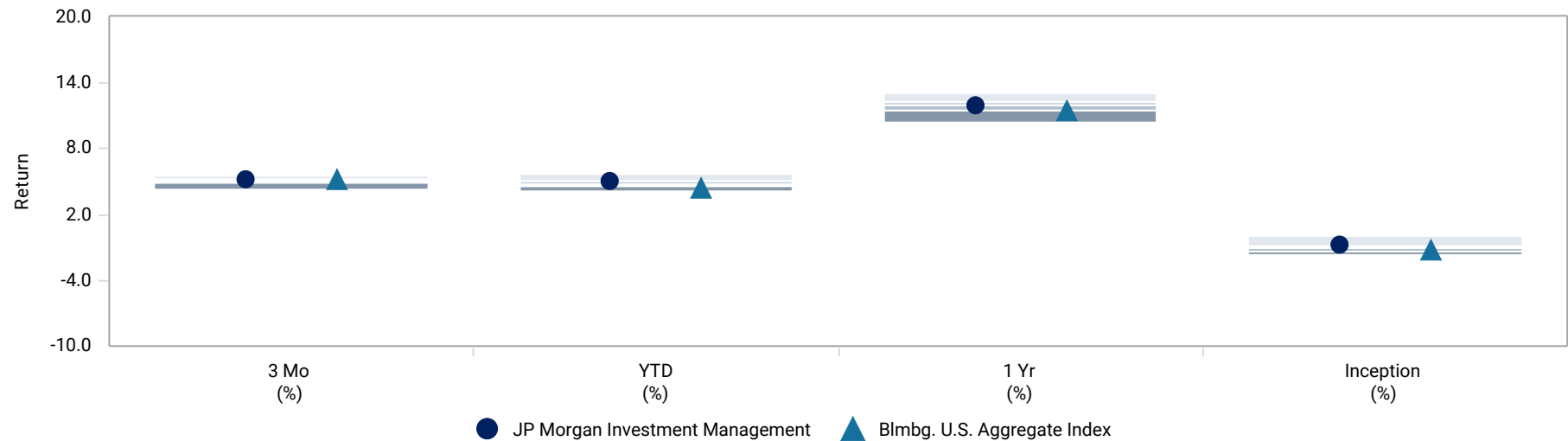
● SSGA U.S. Aggregate Bond ▲ Blmbg. U.S. Aggregate Index

● SSGA U.S. Aggregate Bond ▲ Blmbg. U.S. Aggregate Index

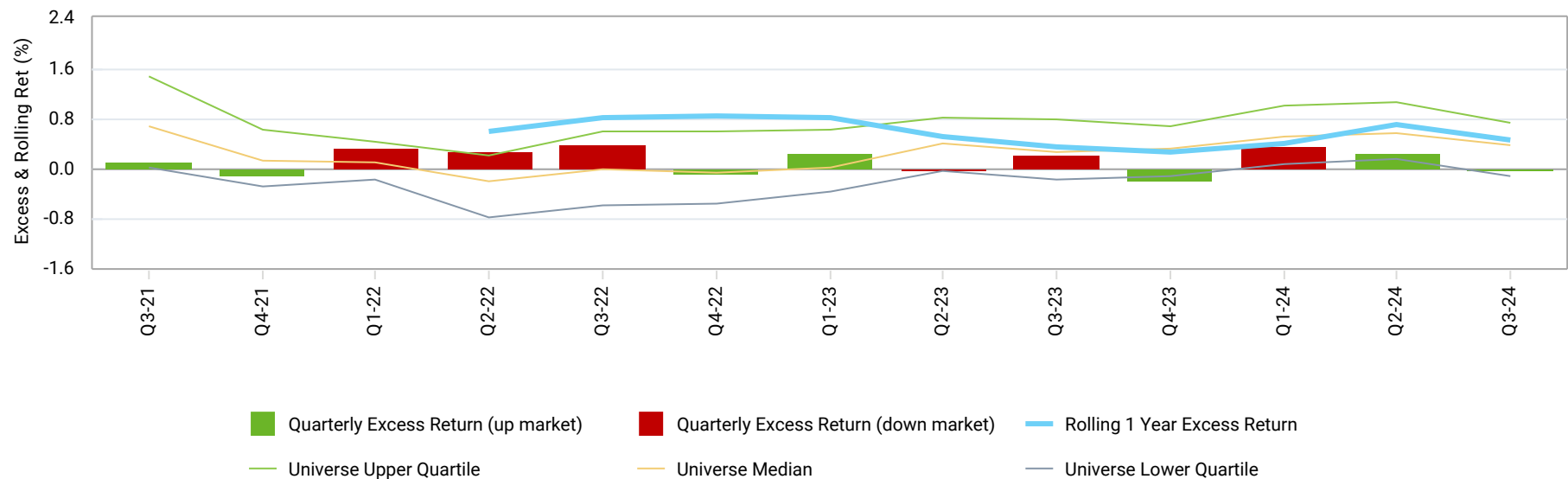


JP MORGAN INVESTMENT MGMT

eV US Core Fixed Inc (net of fees)

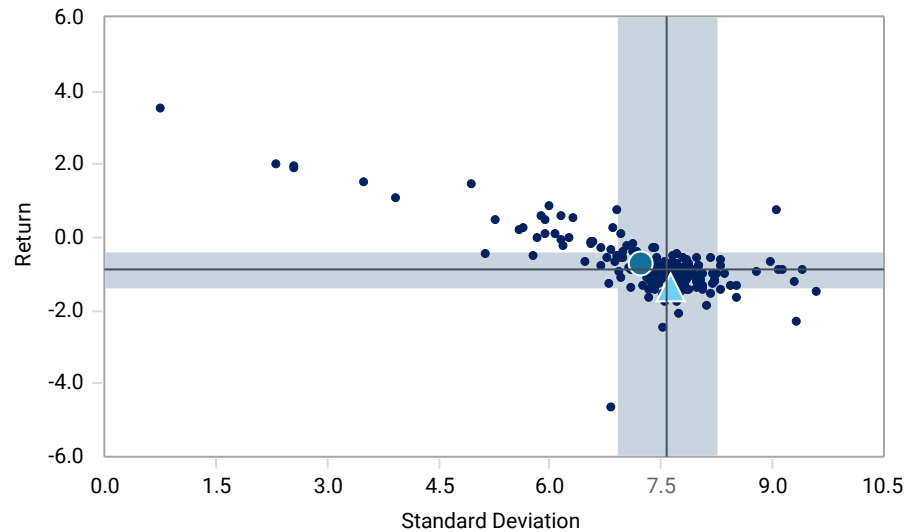


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

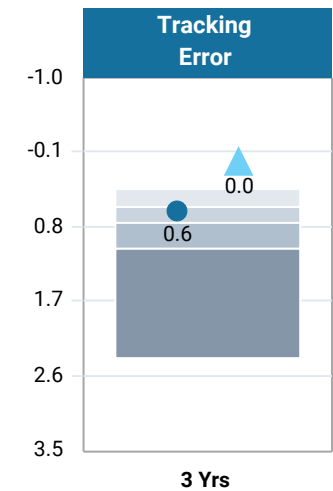
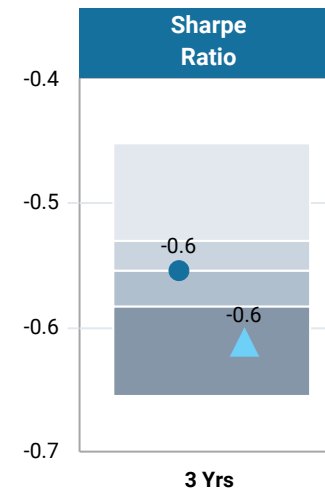
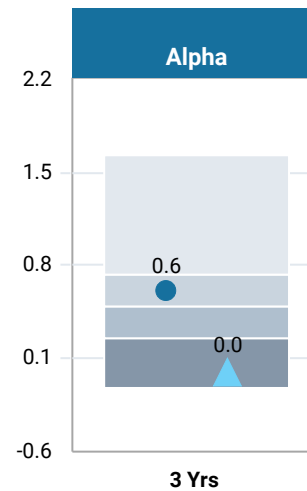
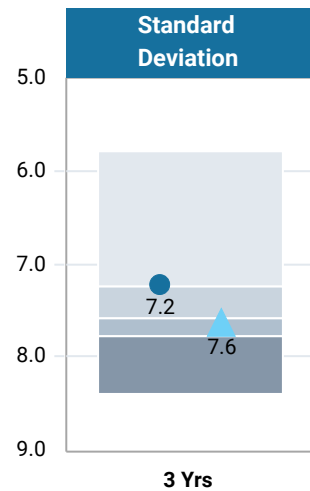
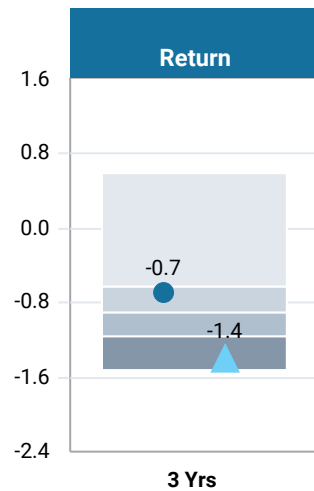
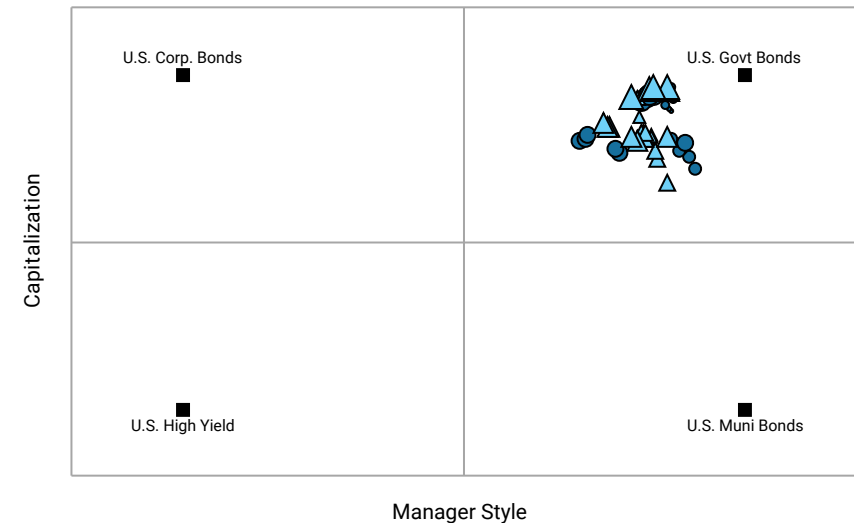


JP MORGAN INVESTMENT MANAGEMENT

3 Years Return vs. Standard Deviation

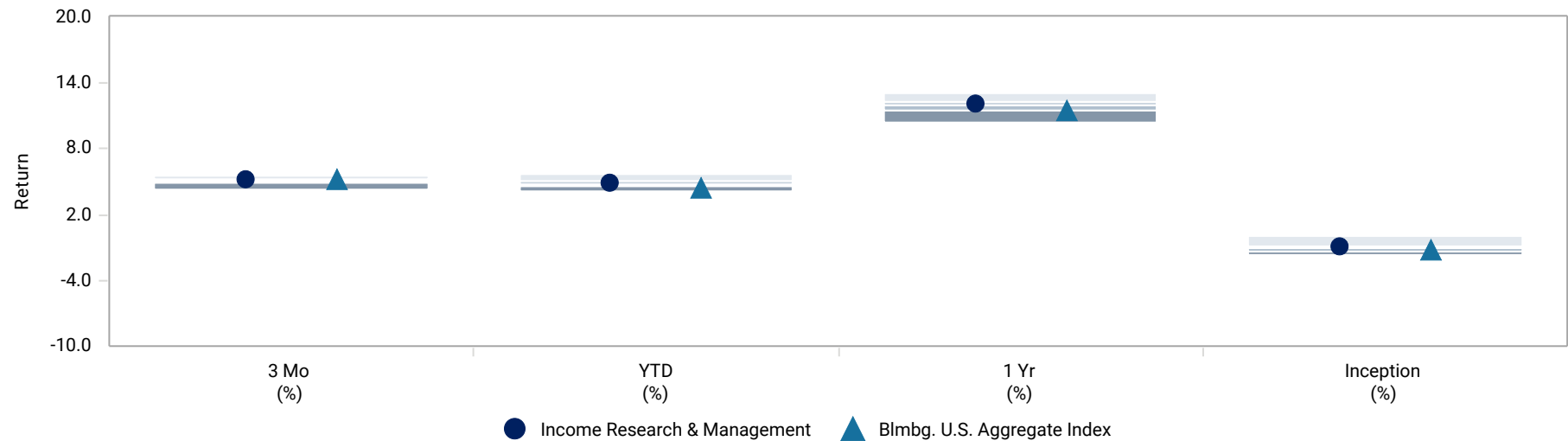


Style Map: (1 Year)

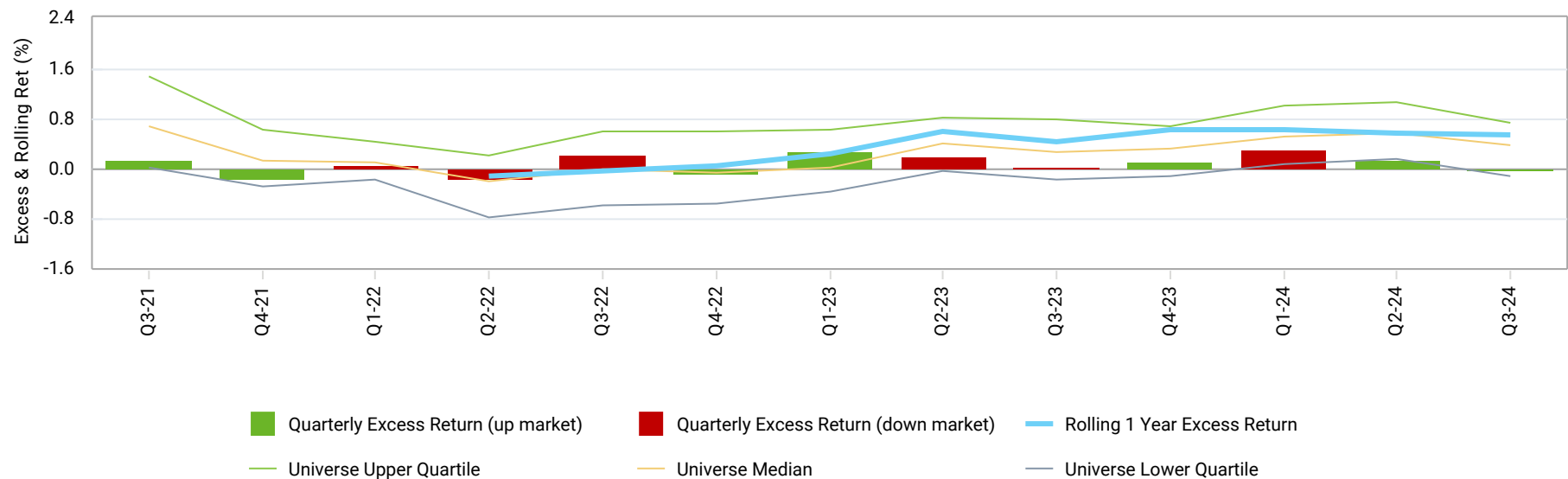


INCOME RESEARCH AND MGMT

eV US Core Fixed Inc (net of fees)

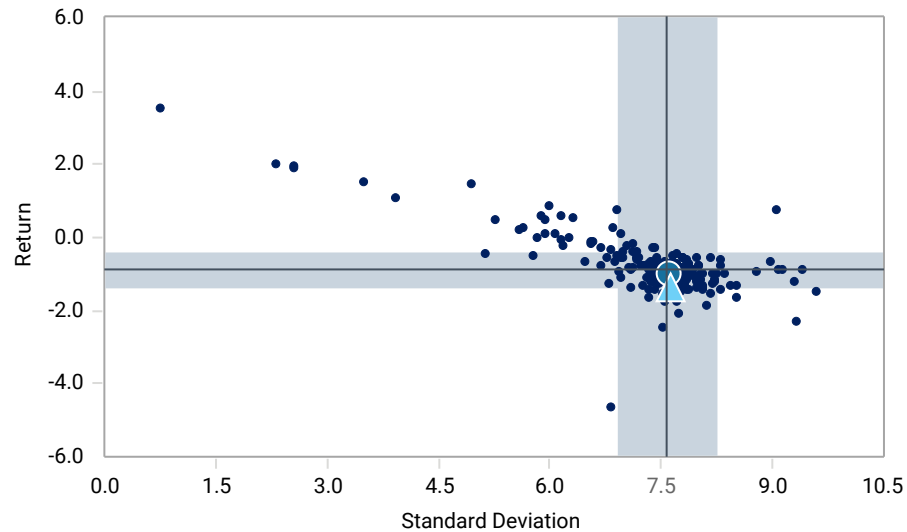


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024



INCOME RESEARCH & MANAGEMENT

3 Years Return vs. Standard Deviation

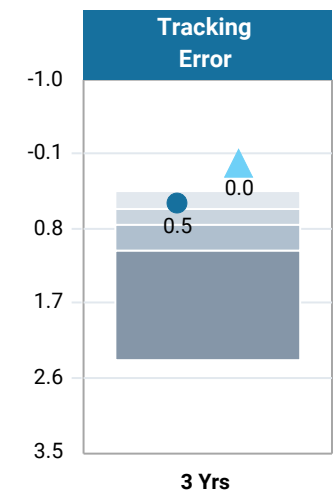
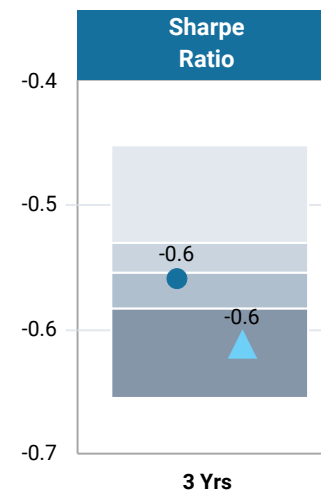
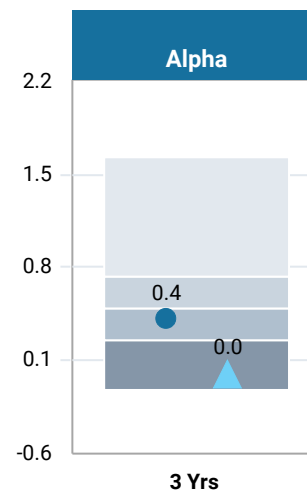
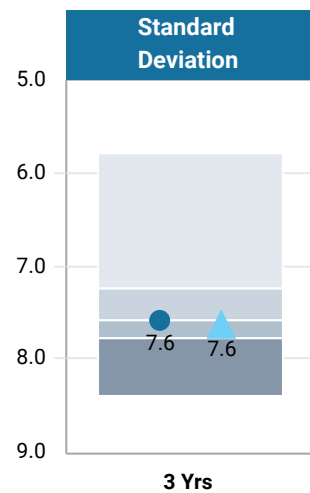
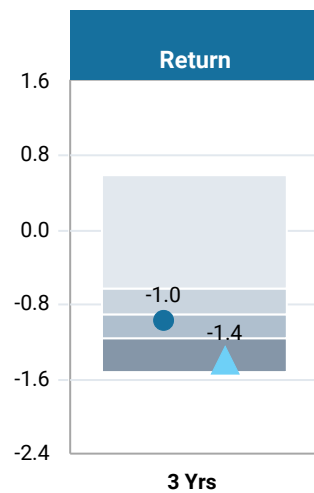


● Income Research & Management
▲ Blmbg. U.S. Aggregate Index

Style Map: (1 Year)

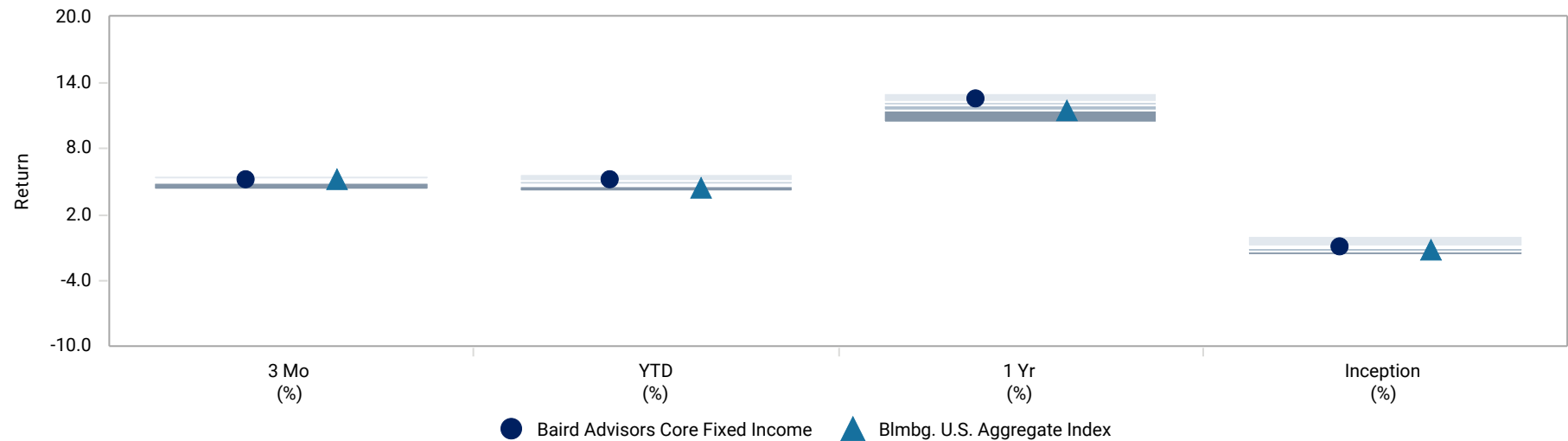


● Income Research & Management ▲ Blmbg. U.S. Aggregate Index

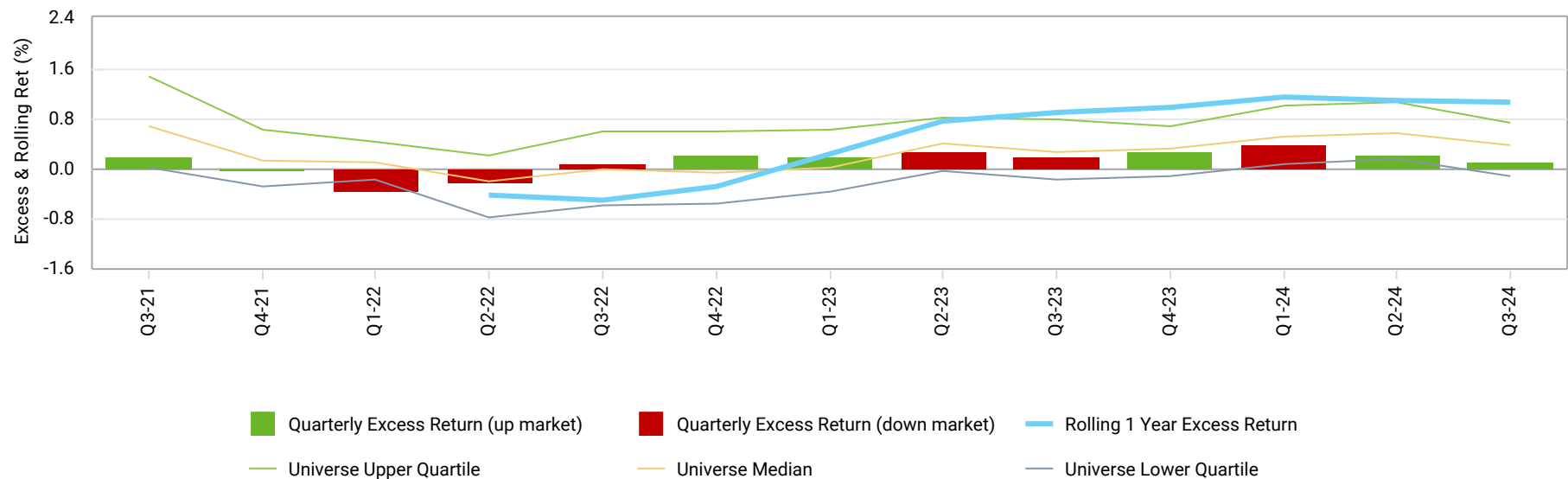


BAIRD ADVISORS CORE FIXED INCOME

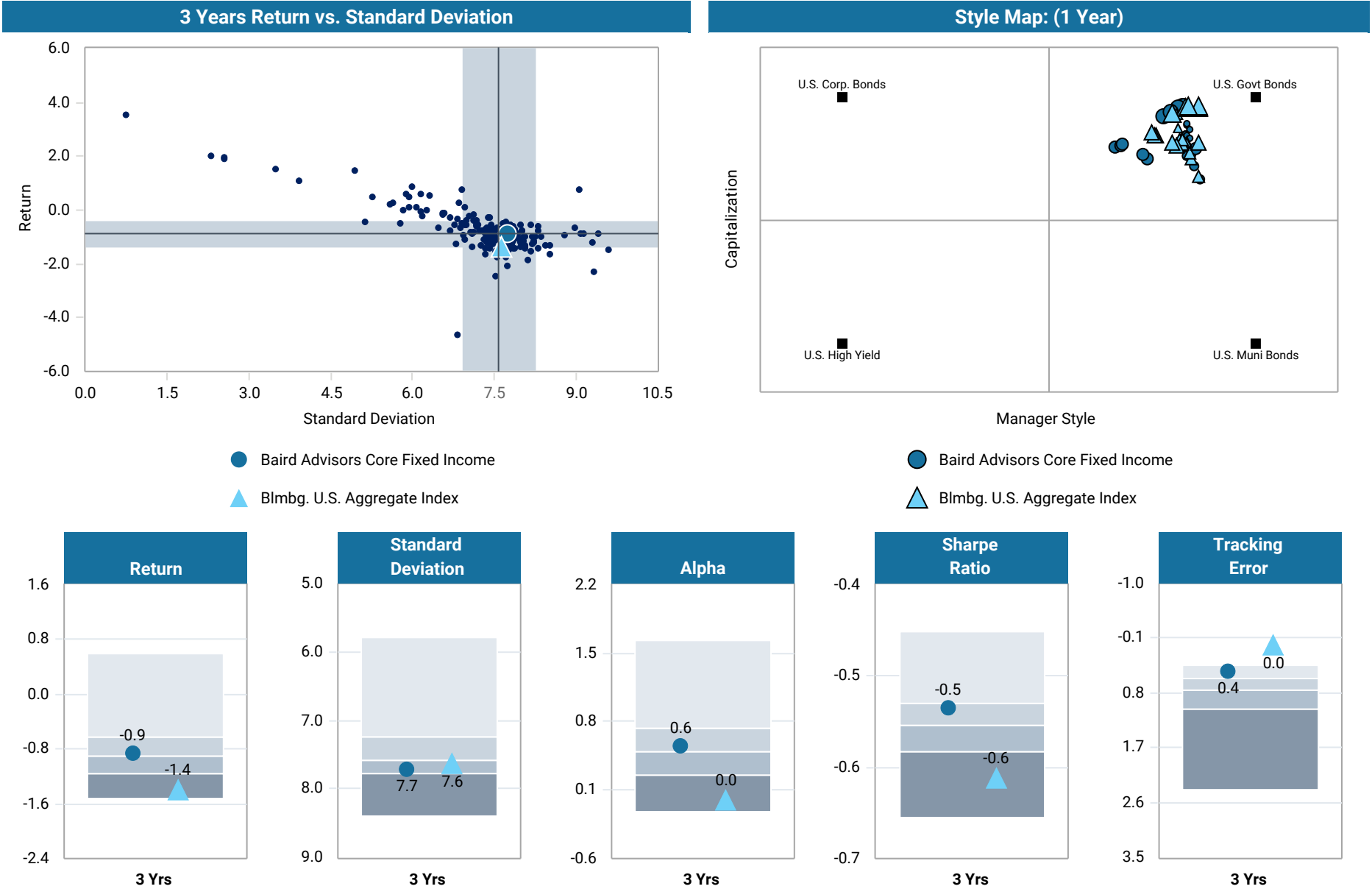
eV US Core Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024



BAIRD ADVISORS CORE FIXED INCOME

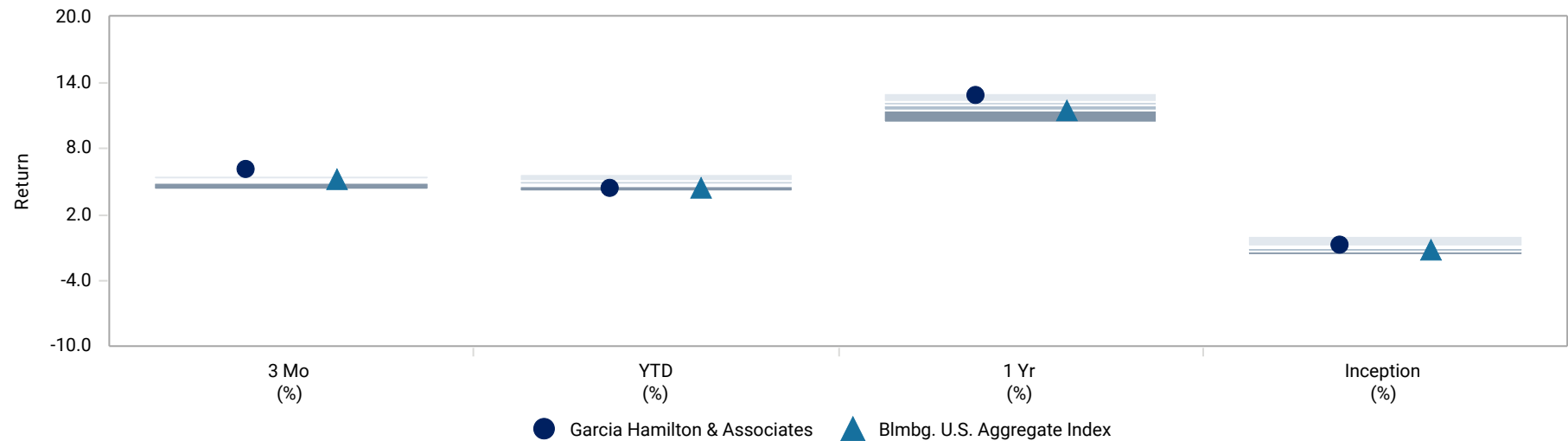


Los Angeles City Employees' Retirement System-LACERS Master Trust

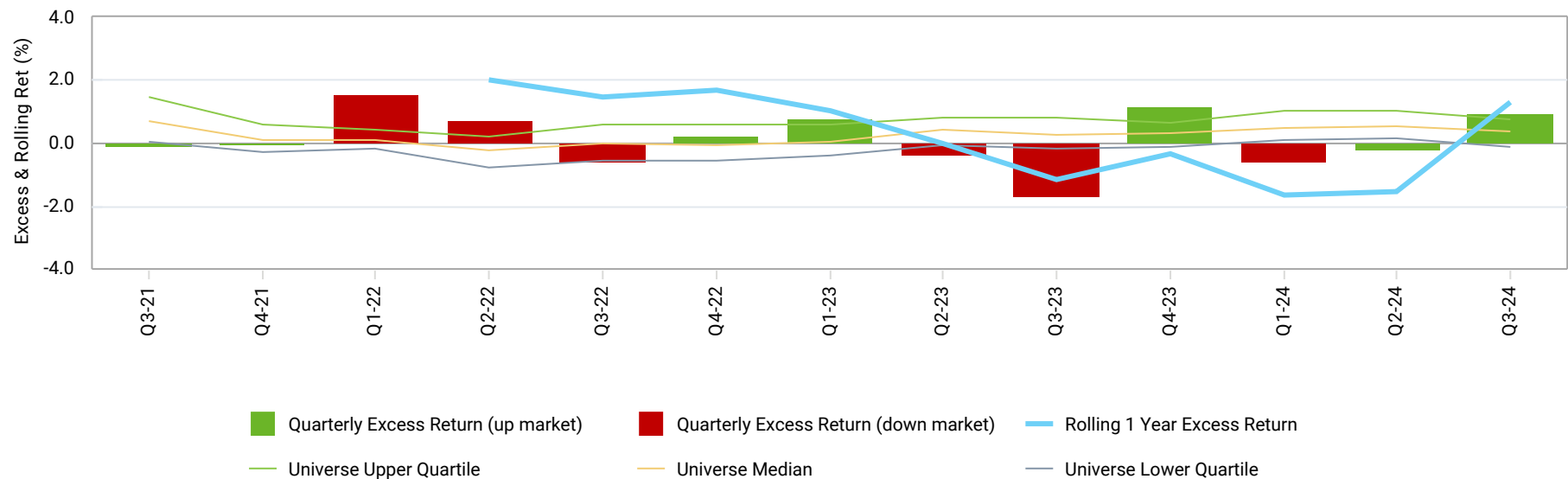
GARCIA HAMILTON & ASSOCIATES

September 30, 2024

eV US Core Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

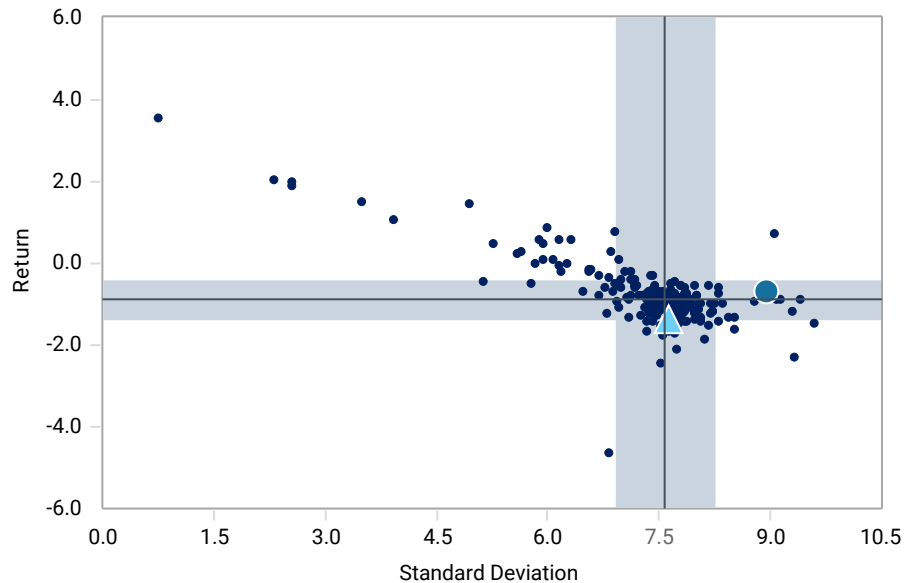


Los Angeles City Employees' Retirement System-LACERS Master Trust

GARCIA HAMILTON & ASSOCIATES

September 30, 2024

3 Years Return vs. Standard Deviation

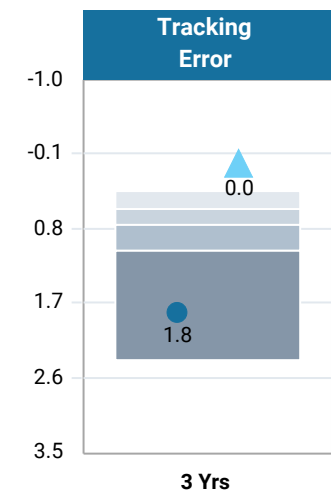
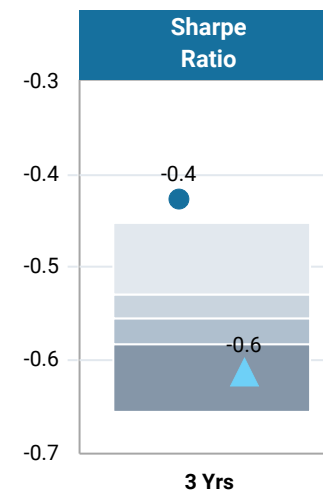
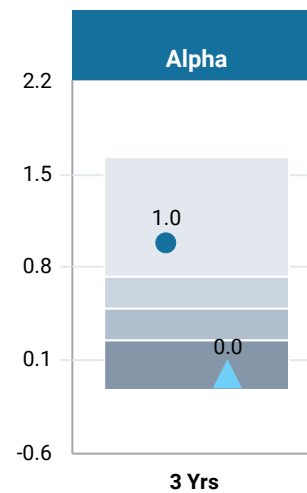
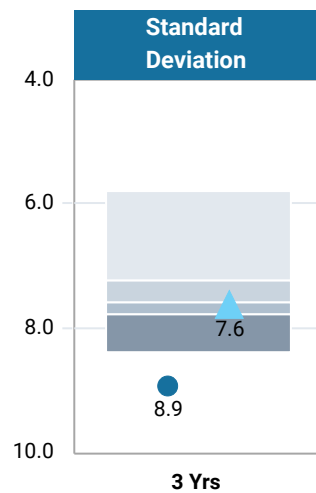
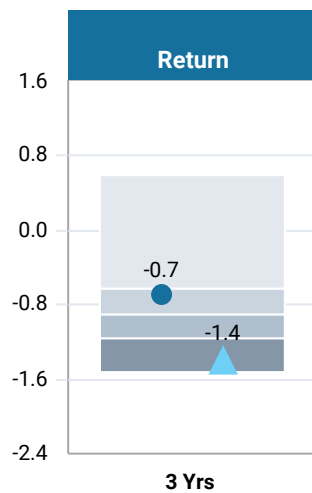


● Garcia Hamilton & Associates ▲ Blmbg. U.S. Aggregate Index

Style Map: (1 Year)



● Garcia Hamilton & Associates ▲ Blmbg. U.S. Aggregate Index

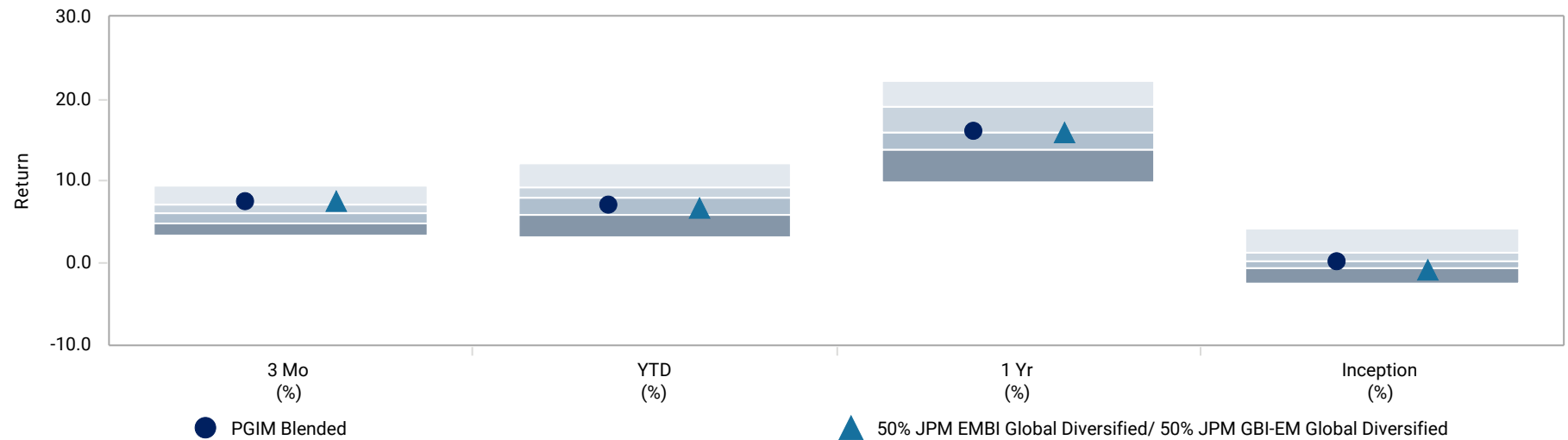




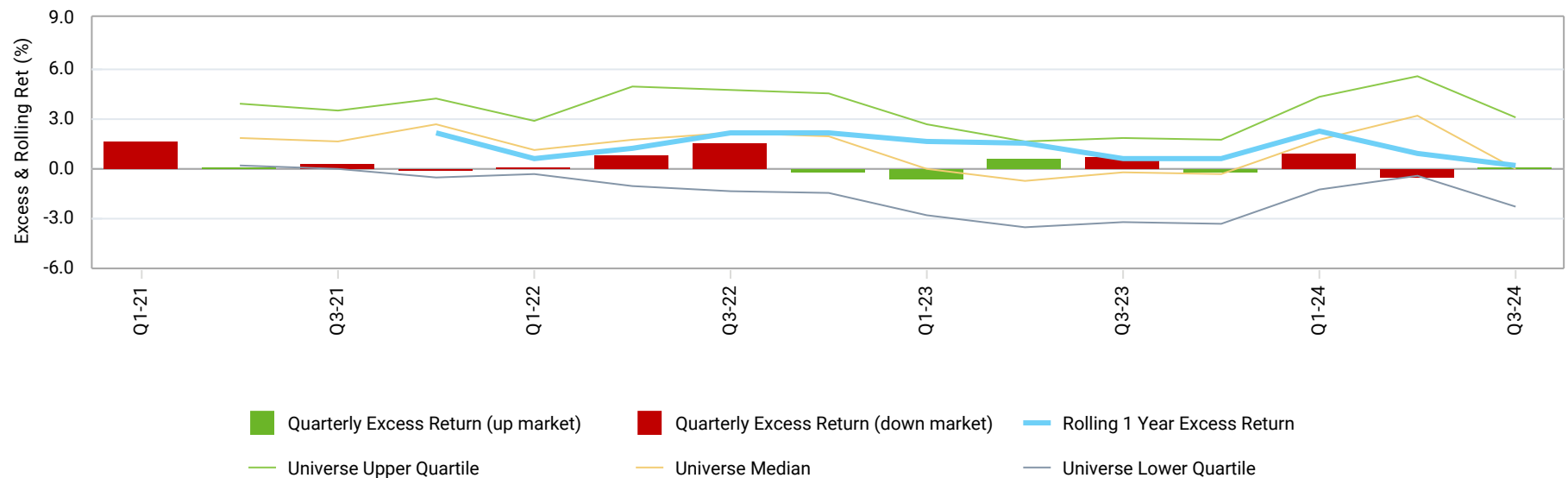
CREDIT OPPORTUNITIES MANAGER PERFORMANCE

PGIM BLENDED

eV All Emg Mkts Fixed Inc (net of fees)

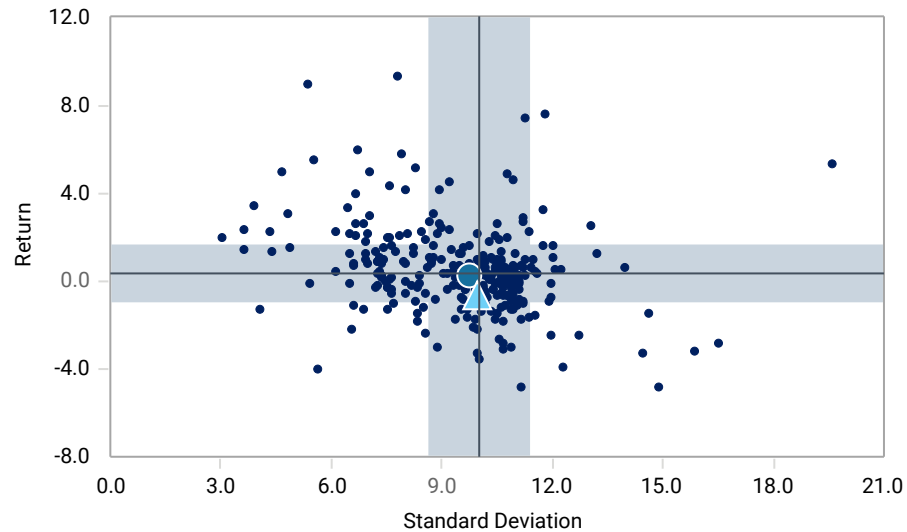


Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024



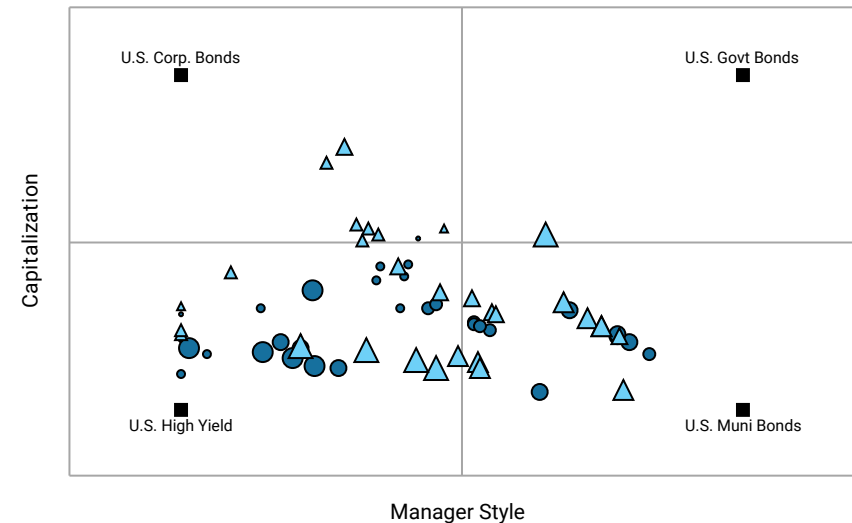
PGIM BLENDED

Since Inception Return vs. Standard Deviation

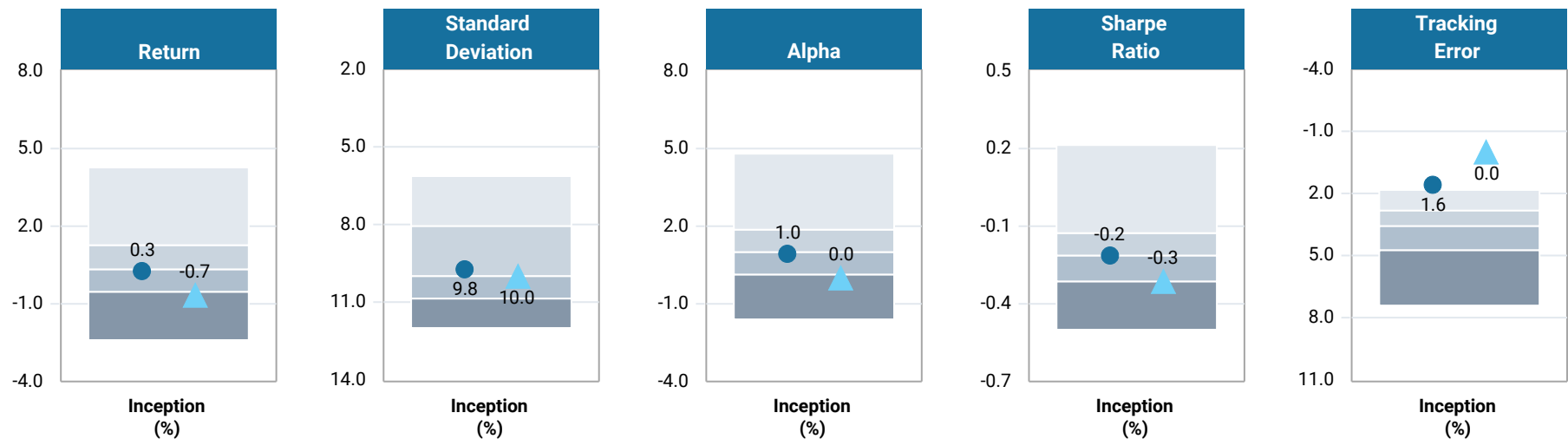


- PGIM Blended
- 50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified

Style Map: (1 Year)

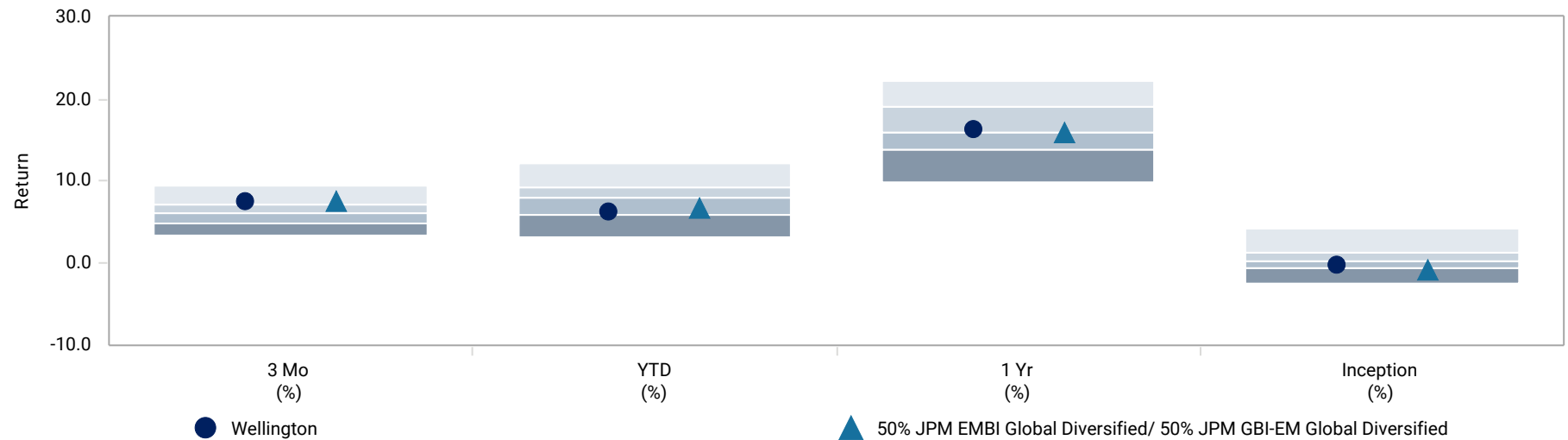


- PGIM Blended
- 50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified

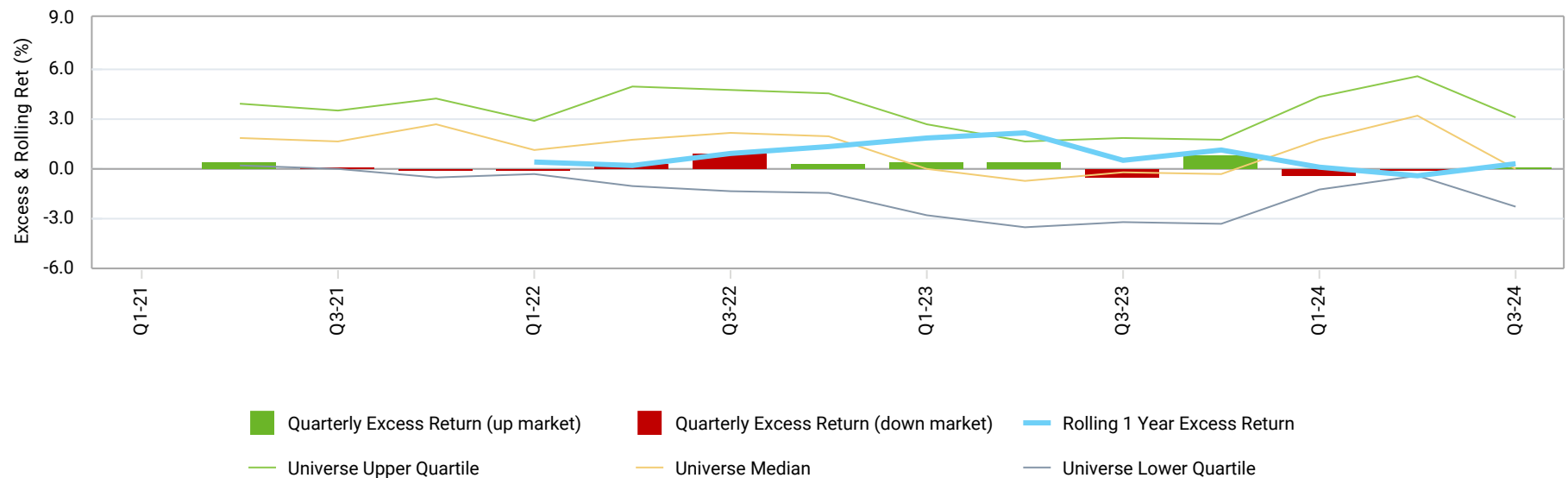


WELLINGTON

eV All Emg Mkts Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

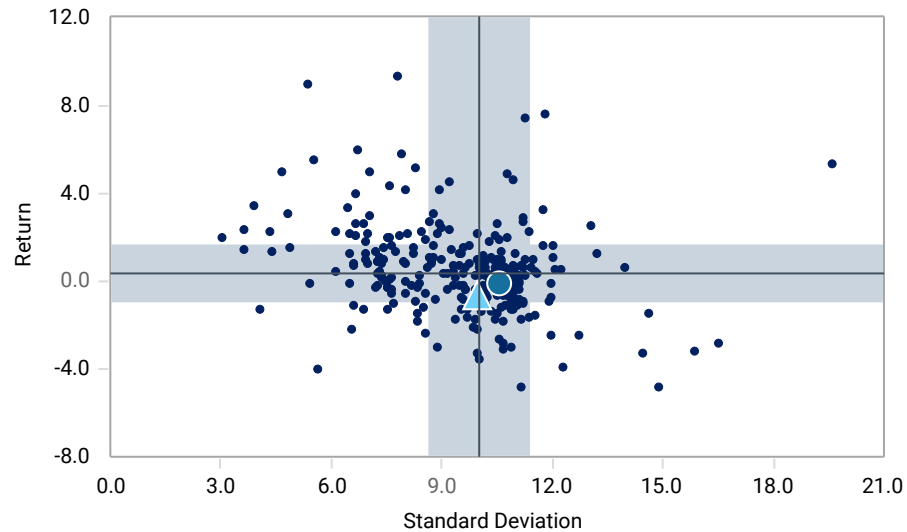


Los Angeles City Employees' Retirement System-LACERS Master Trust

WELLINGTON

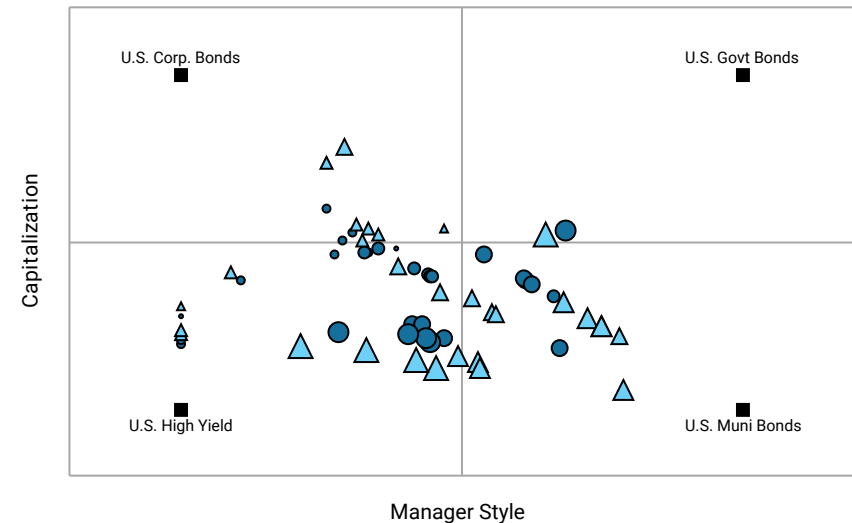
September 30, 2024

Since Inception Return vs. Standard Deviation

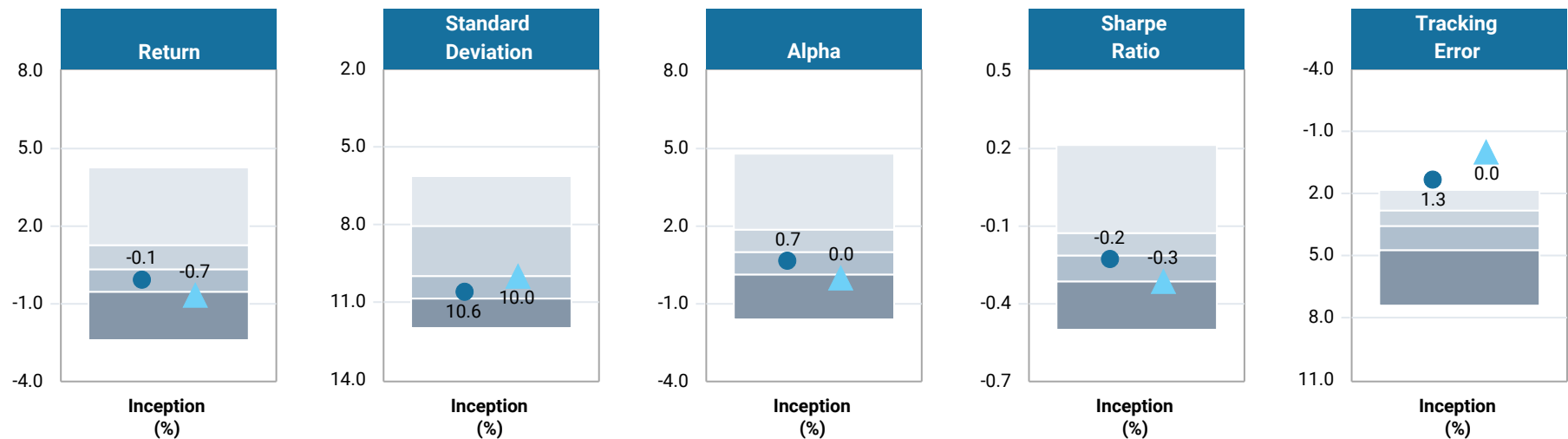


- Wellington
- 50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified

Style Map: (1 Year)

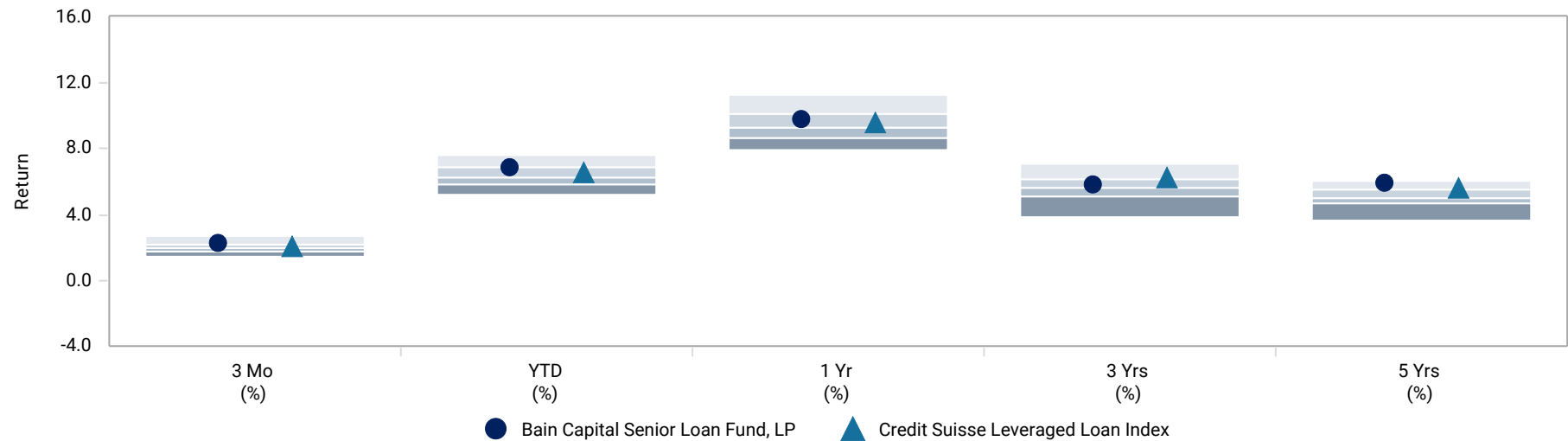


- Wellington
- 50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified

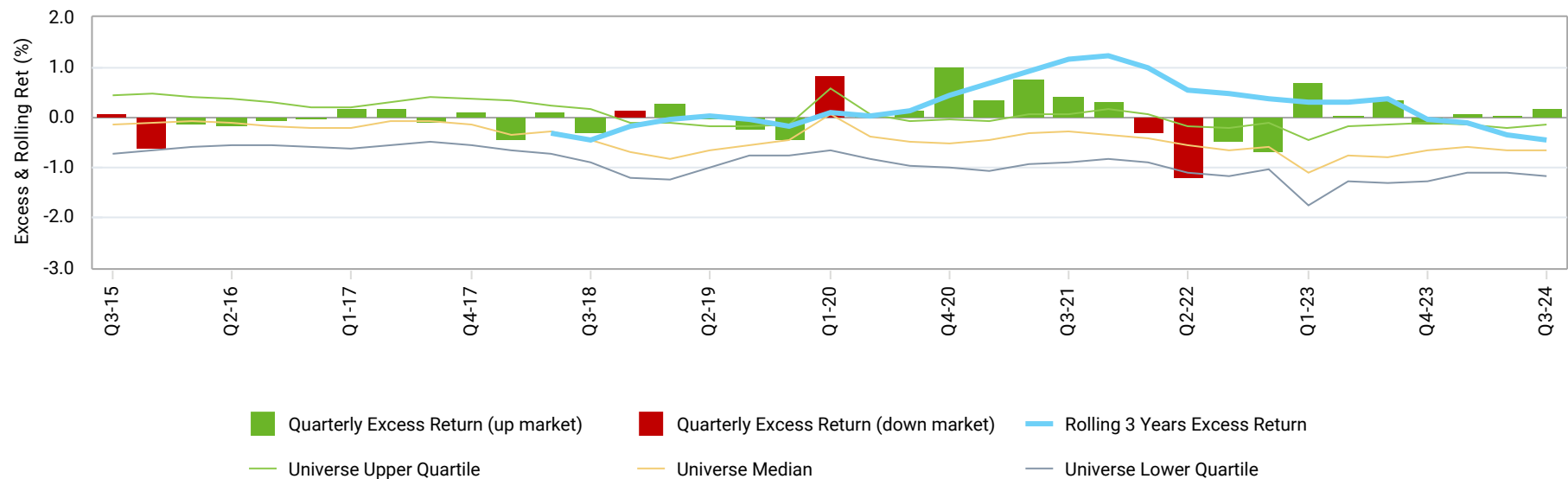


BAIN CAPITAL SENIOR LOAN FUND, LP

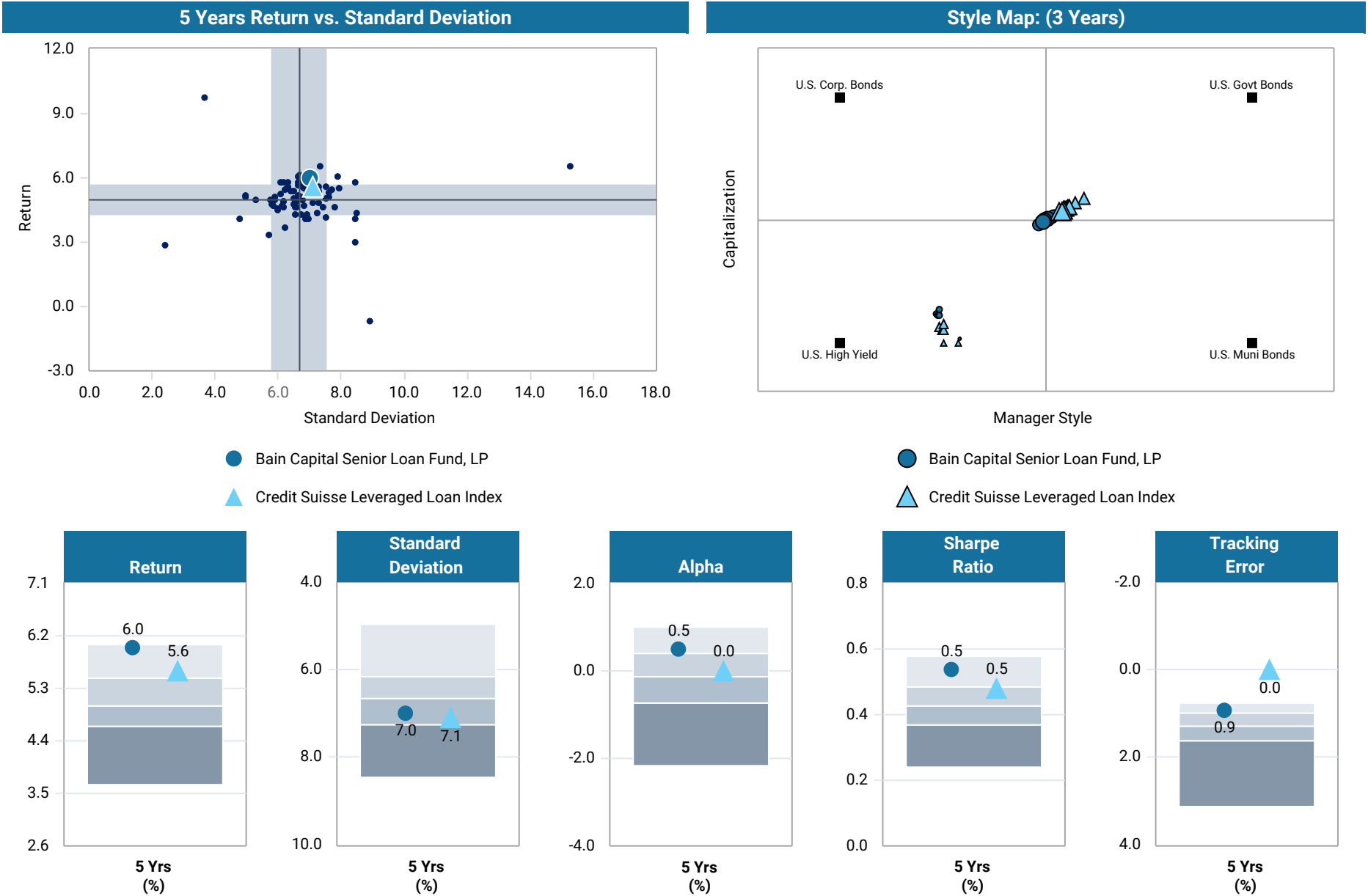
eV US Float-Rate Bank Loan Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

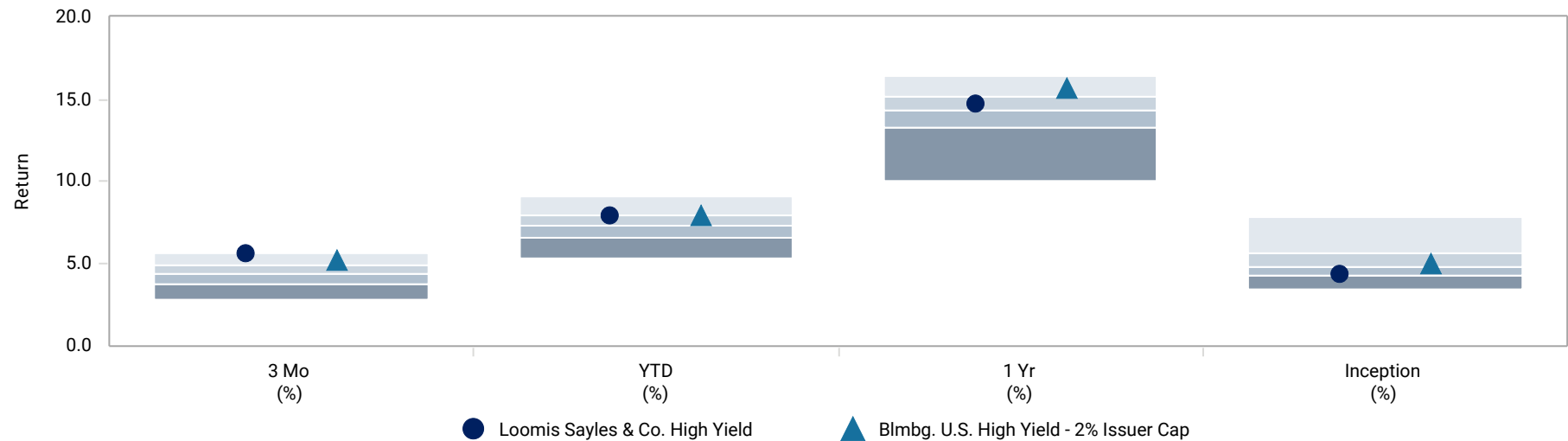


BAIN CAPITAL SENIOR LOAN FUND, LP

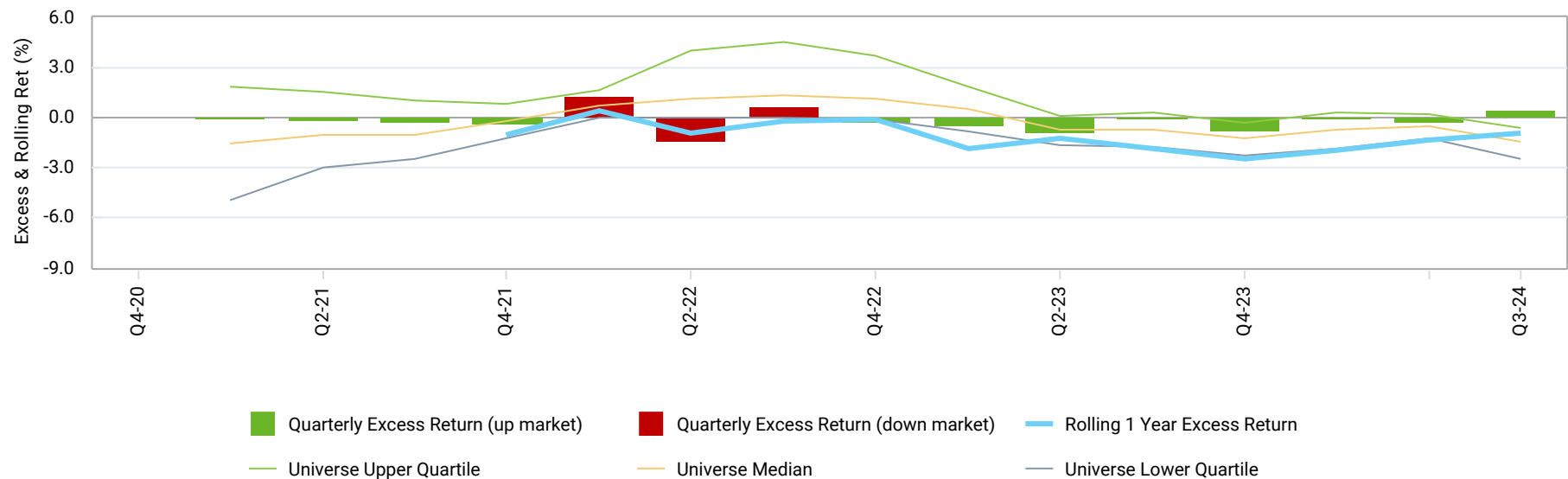


LOOMIS SAYLES & CO. HIGH YIELD

eV US High Yield Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

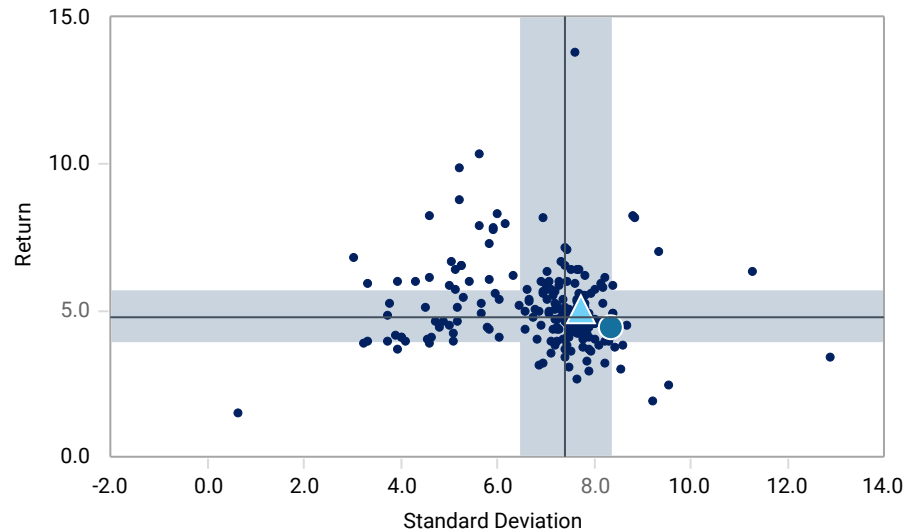


Los Angeles City Employees' Retirement System-LACERS Master Trust

LOOMIS SAYLES & CO. HIGH YIELD

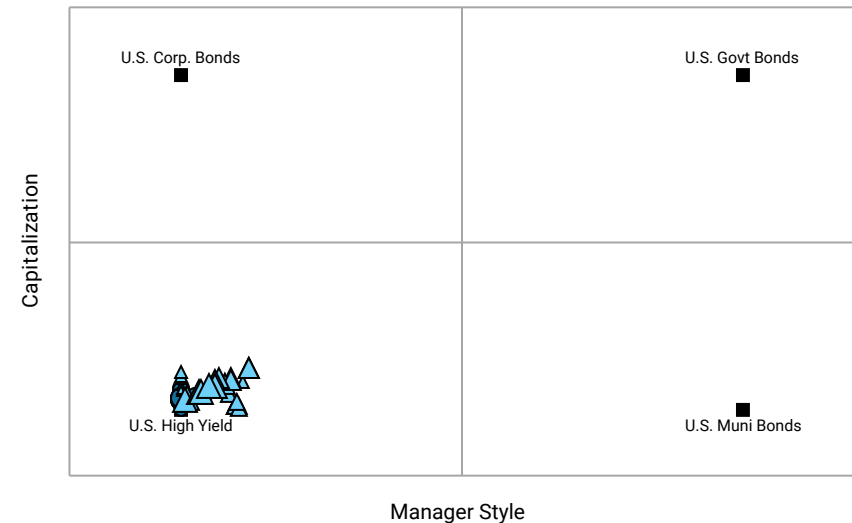
September 30, 2024

Since Inception Return vs. Standard Deviation

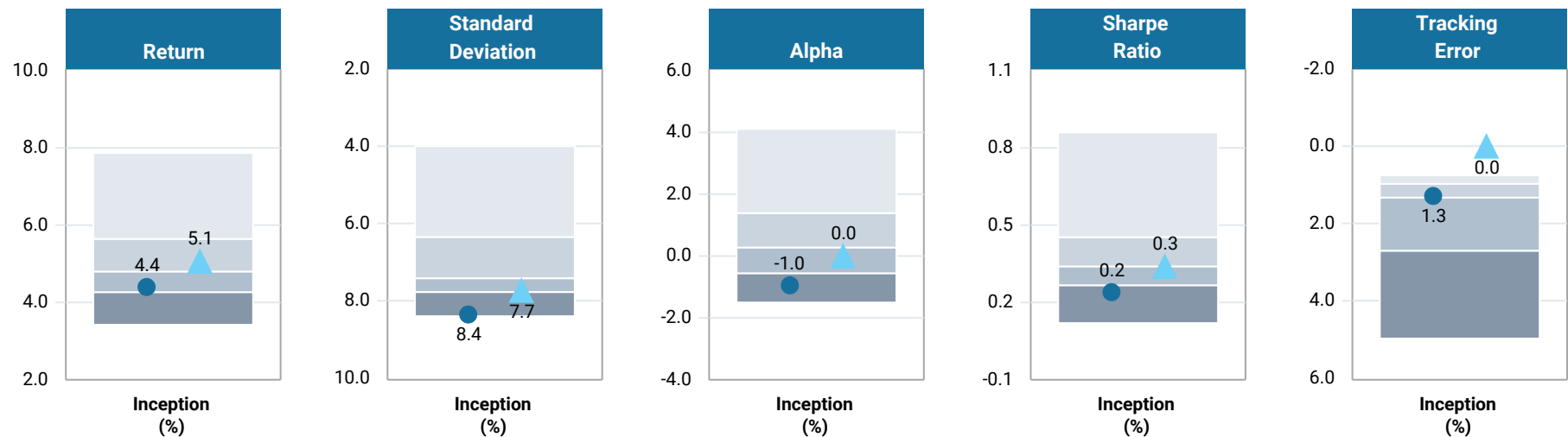


- Loomis Sayles & Co. High Yield
- ▲ Blmbg. U.S. High Yield - 2% Issuer Cap

Style Map: (1 Year)

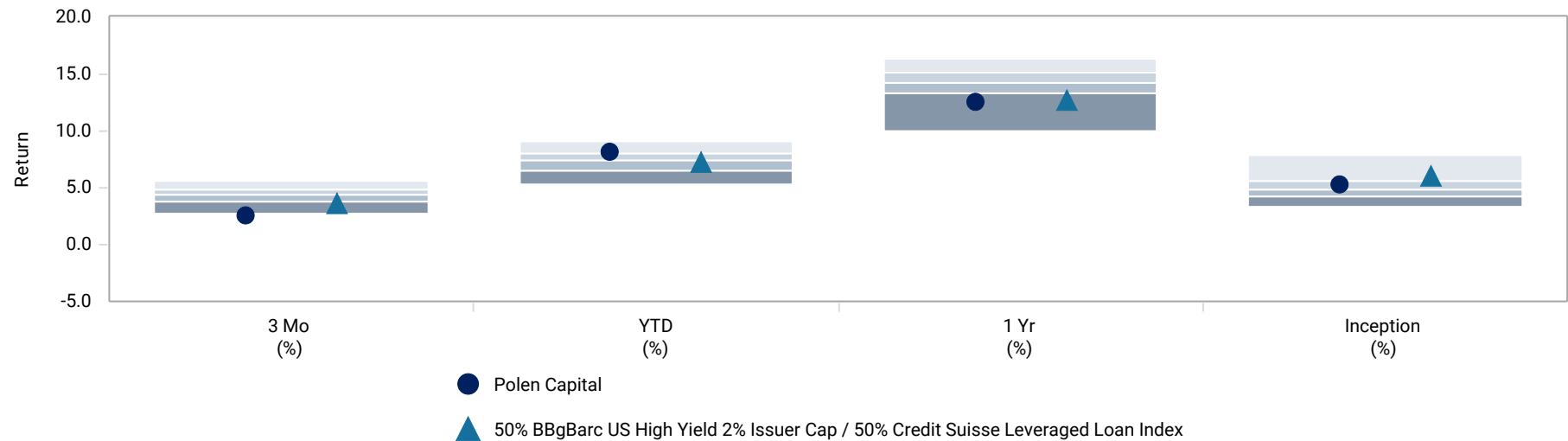


- Loomis Sayles & Co. High Yield
- ▲ Blmbg. U.S. High Yield - 2% Issuer Cap

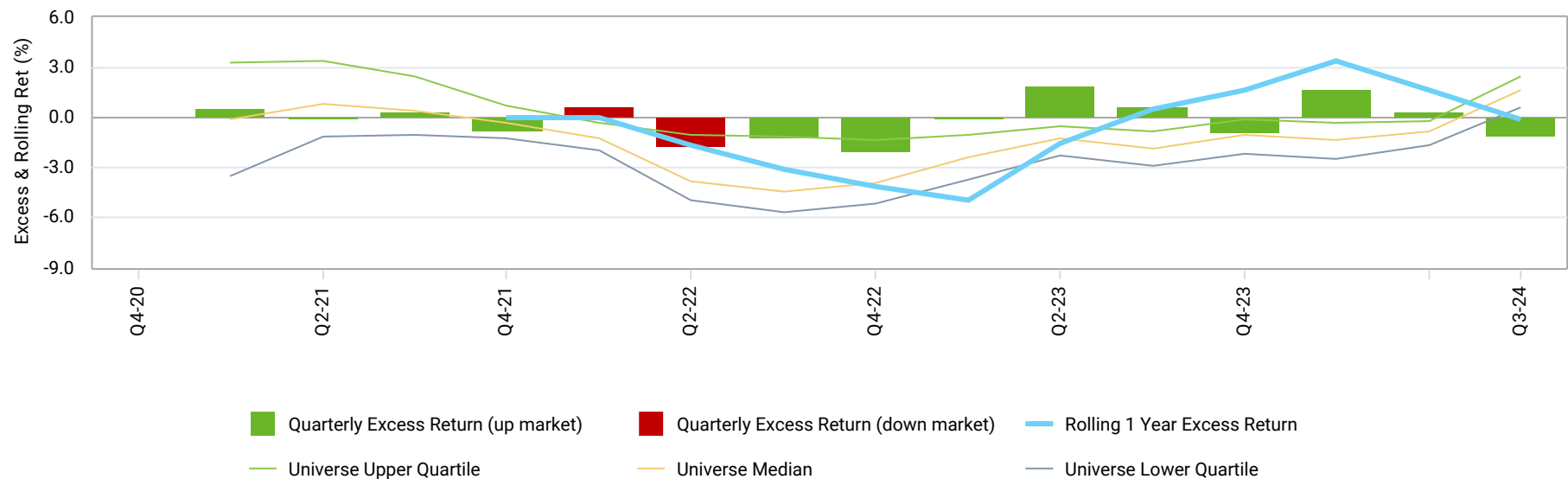


POLEN CAPITAL

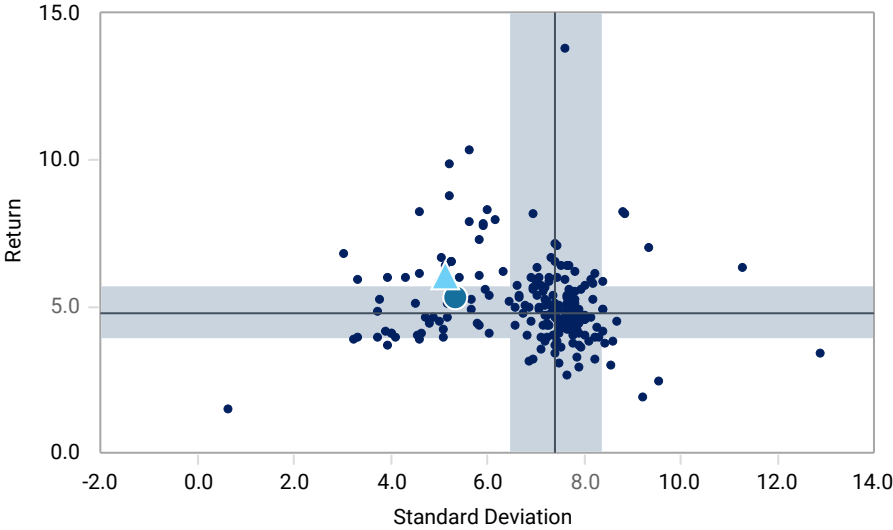
eV US High Yield Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 1 Year Excess Return over Since Inception Ending September 30, 2024

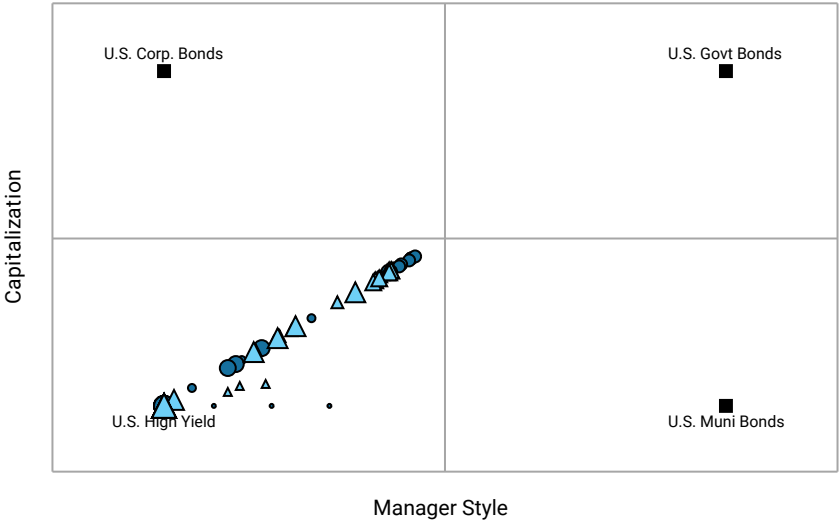


Since Inception Return vs. Standard Deviation

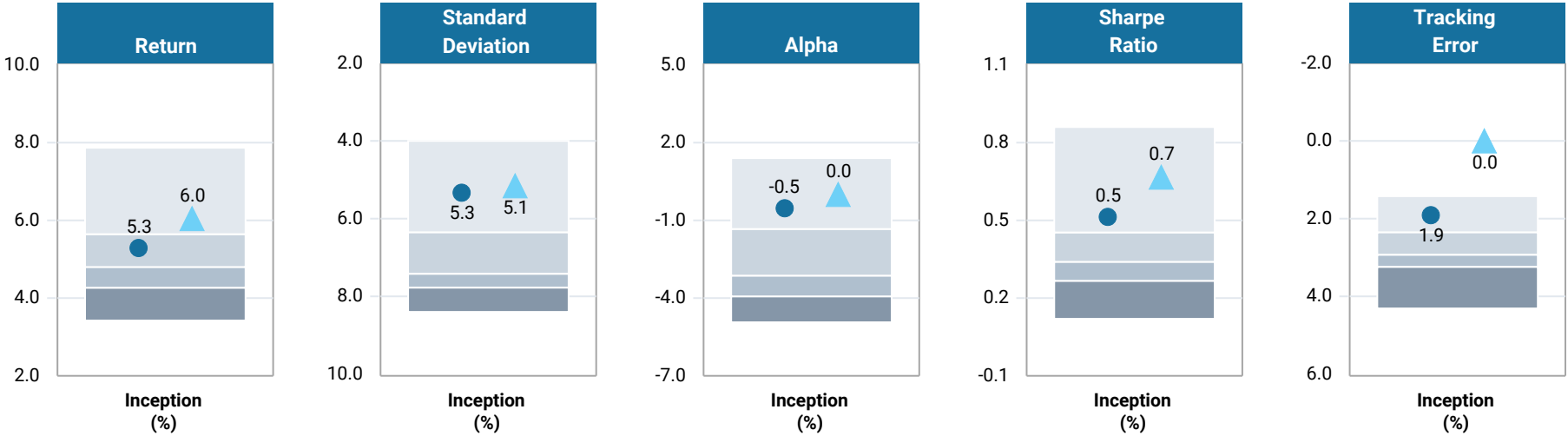


● Polen Capital
▲ 50% BBgBarc US High Yield 2% Issuer Cap / 50% Credit Suisse Leveraged Loan

Style Map: (1 Year)



● Polen Capital
▲ 50% BBgBarc US High Yield 2% Issuer Cap / 50% Credit Suisse Leveraged Loan

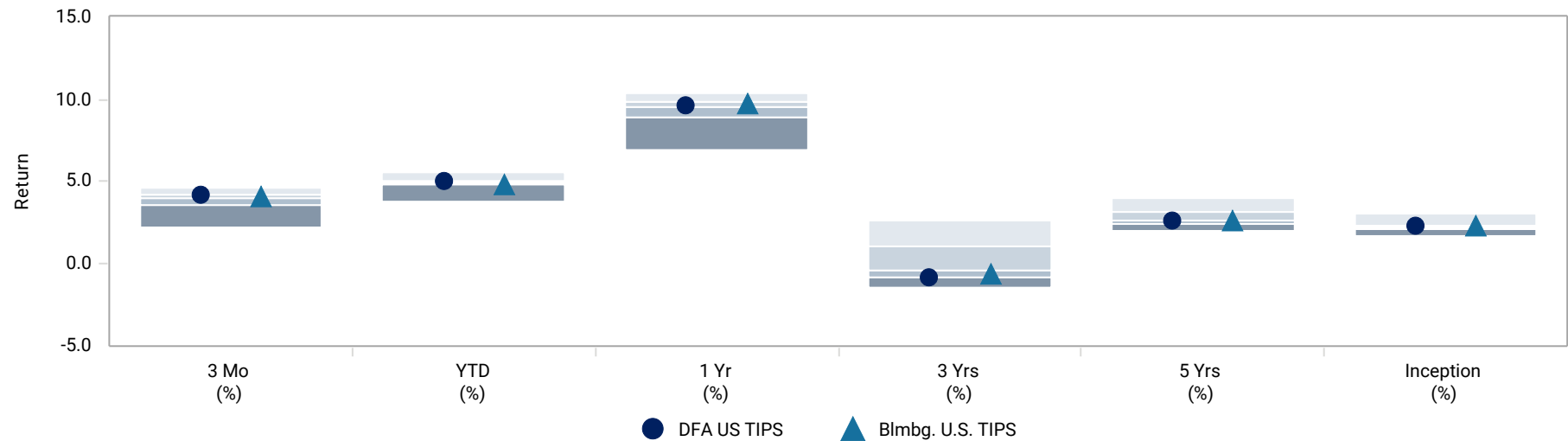




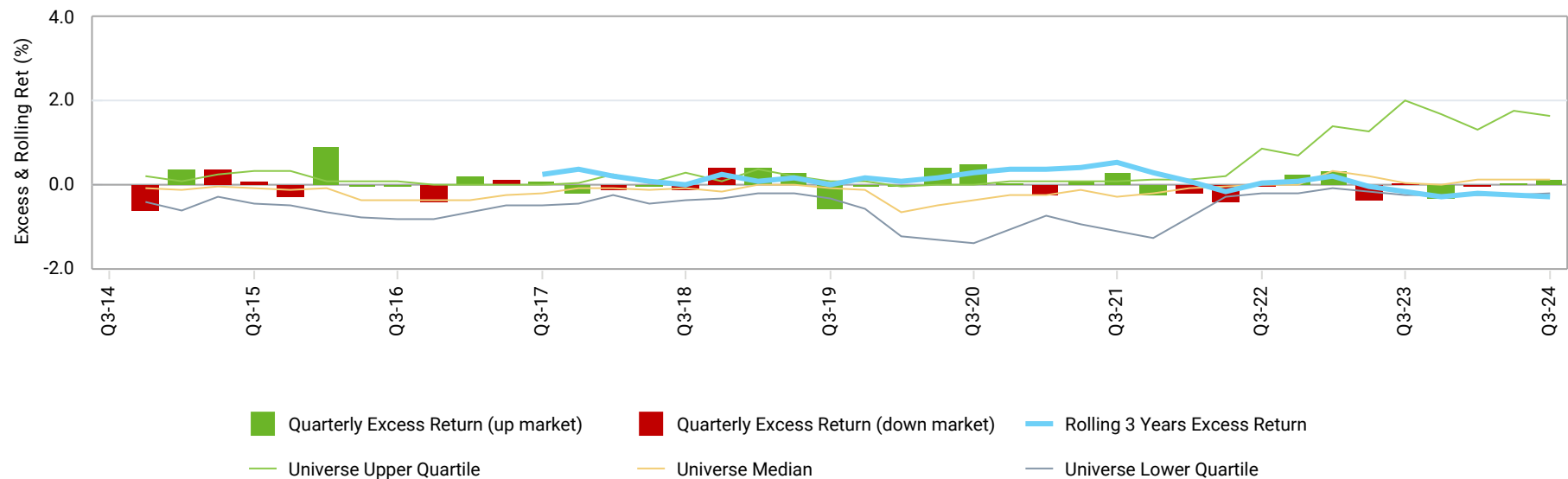
REAL ASSETS MANAGER PERFORMANCE

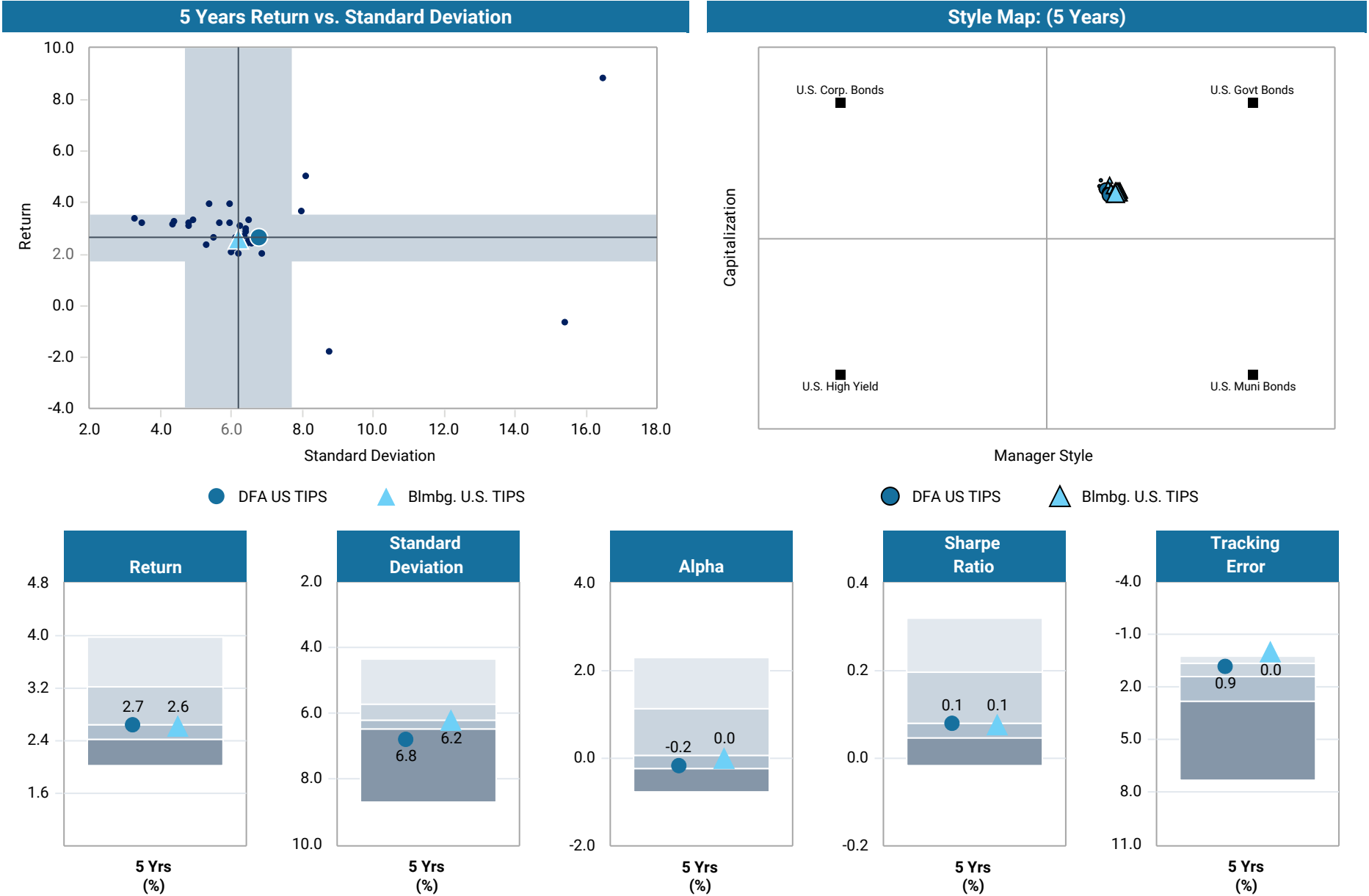
DFA US TIPS

eV US TIPS / Inflation Fixed Inc (net of fees)



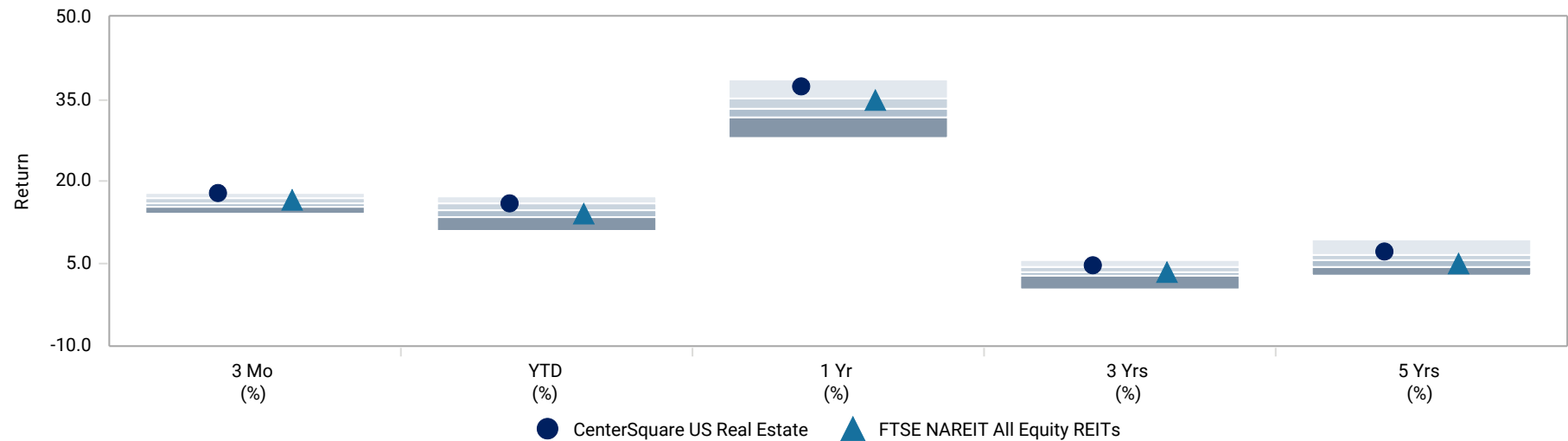
Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024



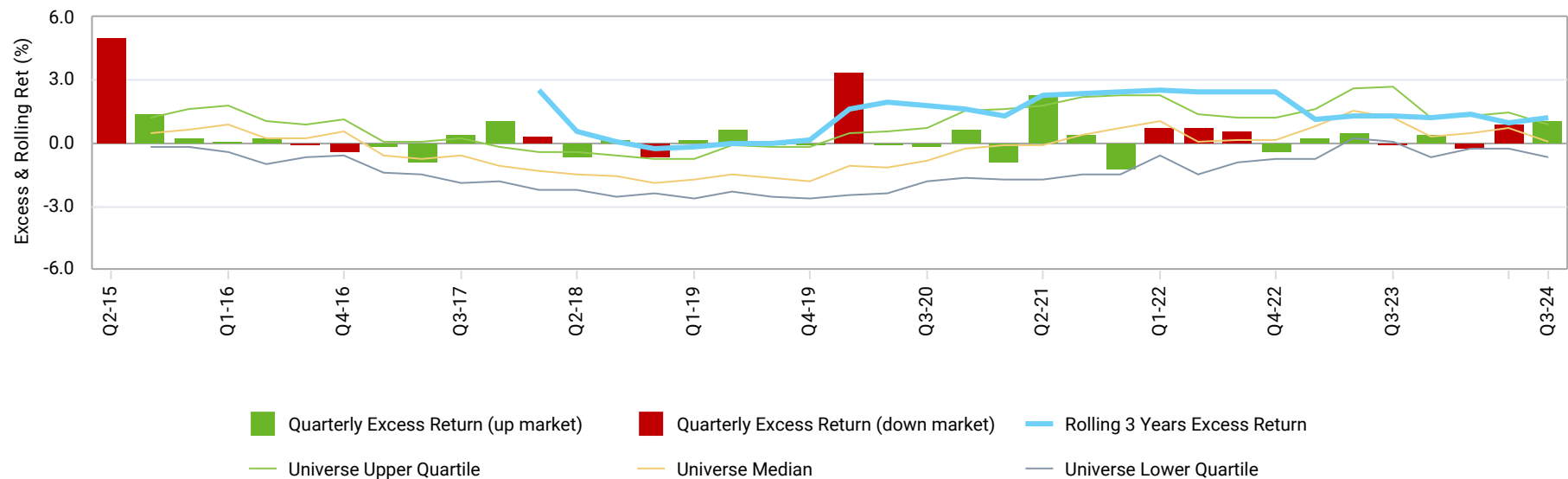


CENTERSQUARE US REAL ESTATE

eV US REIT (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over Since Inception Ending September 30, 2024

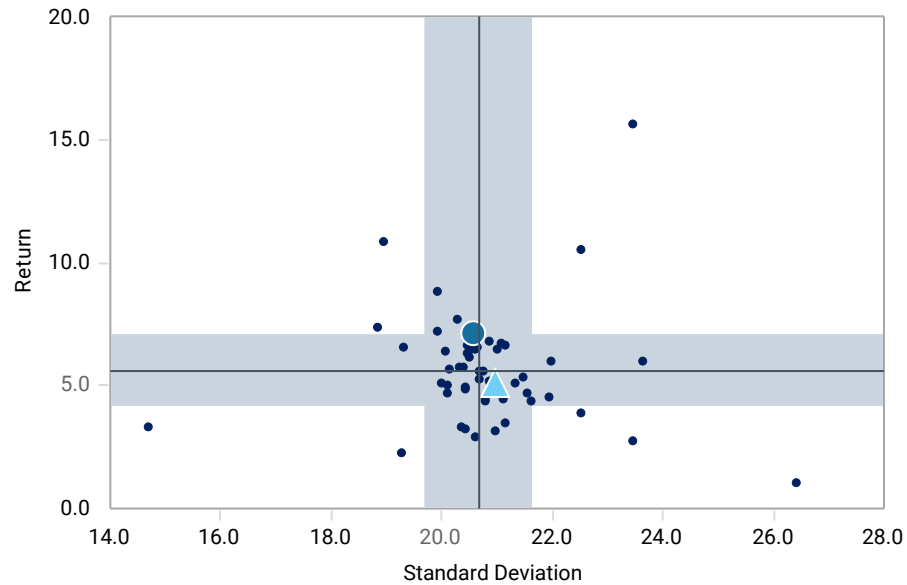


Los Angeles City Employees' Retirement System-LACERS Master Trust

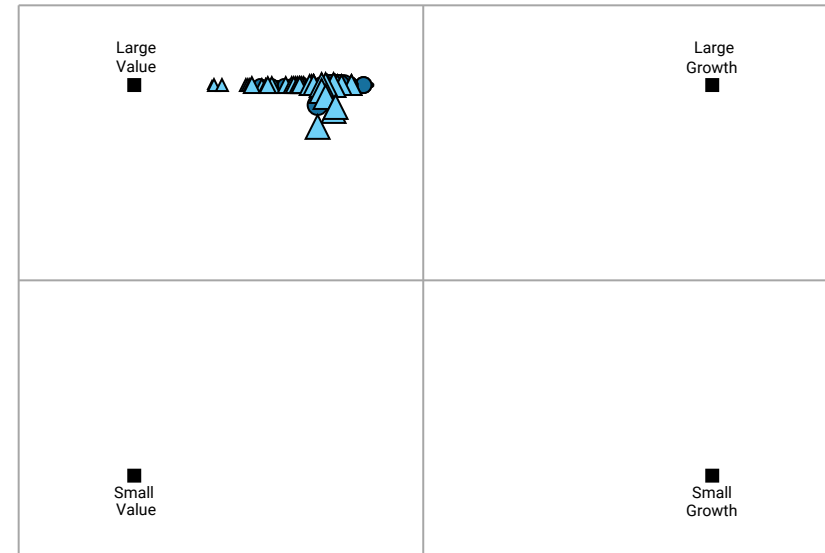
CENTERSQUARE US REAL ESTATE

September 30, 2024

5 Years Return vs. Standard Deviation

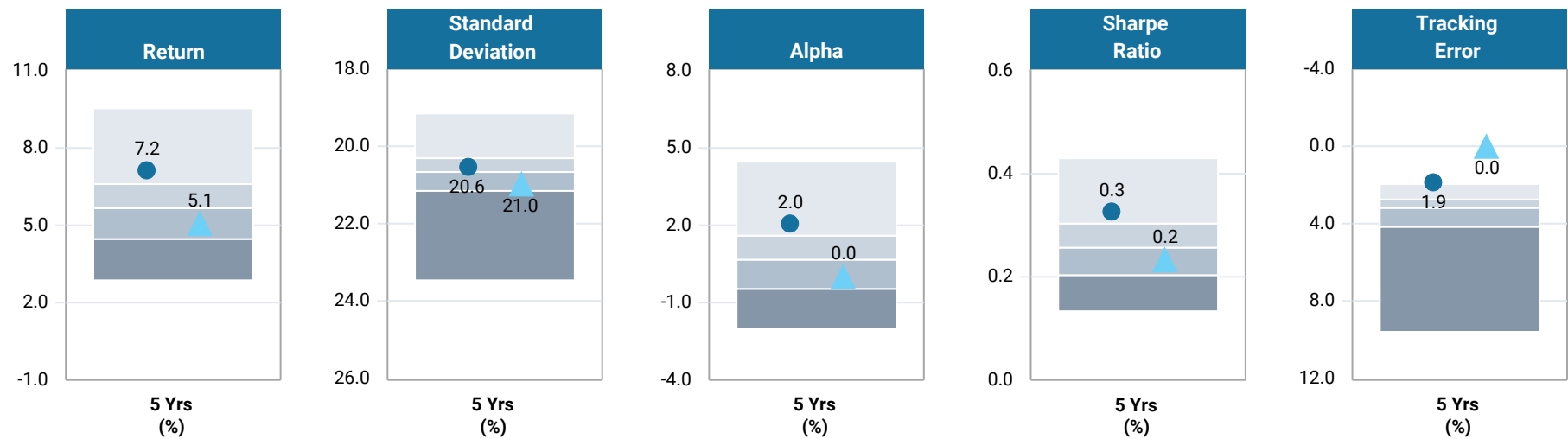


Rolling 5 Years Style Map



● CenterSquare US Real Estate ▲ FTSE NAREIT All Equity REITs

● CenterSquare US Real Estate ▲ FTSE NAREIT All Equity REITs





DEFINITIONS

POLICY INDEX DEFINITIONS

EFFECTIVE JULY 1, 2023

Policy Index: 20.5% Russell 3000 Index, 25.5% MSCI ACWI ex USA Net Index, 12.75% Bloomberg U.S. Aggregate Bond Index, 10.75% Credit Opportunities Blend, 6.00% Public Real Assets Blend, 6.5% Real Estate Blend, 17.0% Private Equity Blend, 1% Citi 3 Month T-Bill Index

U.S. Equity Blend: July 1, 2011 - Current: Russell 3000 Index; September 30, 1994 - December 31, 1999 S&P 500 Index 33.75, Russell 1000 Value Index 35%, Russell 1000 Growth 12.5%, Russell 2000 Value 12.5%, Russell 2000 Growth 6.25%

Core Fixed Income Blend: July 1, 2013 – Current: Bloomberg U.S. Aggregate Bond Index

Credit Opportunities Blend: 13.95% Bloomberg US High Yield 2% Issuer Capped Index, 13.95% Credit Suisse Leveraged Loan Index, 37.21% Blended Emerging Markets Debt Blend, 34.88% Credit Suisse Leveraged Loan Index One Quarter Lagged

Emerging Markets Debt Blend: 50% JPM EMBI Global Diversified, 50% JPM GBI-EM Global Diversified

Real Assets Policy Benchmark Blend: 32% Bloomberg US TIPS Index, 16% FTSE NAREIT All Equity Index, 52% Real Estate Blend

Public Real Assets Blend: 66.67% Bloomberg US TIPS Index, 33.33% FTSE NAREIT All Equity Index

Real Estate Blend: July 1, 2014 - Current NCREIF ODCE + 0.80%; July 1, 2012 - June 30, 2014 NCREIF Property Index Lagged +1%; October 1, 1994 - June 30, 2012 NCREIF Property Index Lagged

Private Equity Blend: January 1, 2022 Cambridge Global PE and VC Index; February 1, 2012 – December 31, 2021 Russell 3000 + 3%; Inception – January 31, 2012 Russell 3000 + 4%

Note: See Investment Policy for a full description of the indices listed.



POLICY INDEX DEFINITIONS

INTERIM POLICY TARGETS ADOPTED ON JULY 12, 2022

	Policy Target %
Total Portfolio	100.00%
U.S. Equity	21.00%
Large Cap	15.00%
Small/Mid Cap	6.00%
Non-U.S. Equity	26.00%
Developed	15.00%
Developed Small Cap	3.00%
Emerging Markets	6.67%
Emerging Markets Small Cap	1.33%
Private Equity	16.00%
Core Fixed Income	11.25%
Credit Opportunities	12.75%
Bank Loans/High Yield	3.00%
Emerging Market Debt	4.00%
Private Credit	5.75%
Public Real Assets	5.00%
TIPS	3.60%
REITS	1.40%
Real Estate	7.00%
Cash	1.00%

2022	2023	2024	2025
100.00%	100.00%	100.00%	100.00%
19.50%	20.50%	20.50%	21.00%
14.00%	14.50%	14.50%	15.00%
5.50%	6.00%	6.00%	6.00%
25.50%	25.50%	25.50%	26.00%
14.40%	14.40%	14.40%	15.00%
3.00%	3.00%	3.00%	3.00%
6.75%	6.75%	6.75%	6.67%
1.35%	1.35%	1.35%	1.33%
18.00%	17.50%	17.00%	16.00%
15.00%	14.00%	12.75%	11.25%
8.00%	9.25%	10.75%	12.75%
3.00%	3.00%	3.00%	3.00%
4.00%	4.00%	4.00%	4.00%
1.00%	2.25%	3.75%	5.75%
7.50%	6.25%	6.00%	5.00%
4.50%	4.00%	4.00%	3.60%
3.00%	2.25%	2.00%	1.40%
5.50%	6.00%	6.50%	7.00%
1.00%	1.00%	1.00%	1.00%

Note: Policy target changes coincide with beginning of fiscal year.





DISCLOSURES

DISCLAIMERS & DISCLOSURES

Past performance is no guarantee of future results.

Returns for pooled funds, e.g. mutual funds and collective investment trusts, are collected from third parties; they are not generally calculated by NEPC. Returns for separate accounts, with some exceptions, are calculated by NEPC. Returns are reported net of manager fees unless otherwise noted.

A “since inception” return, if reported, begins with the first full month after funding, although actual inception dates (e.g. the middle of a month) and the timing of cash flows are taken into account in Composite return calculations.

NEPC’s preferred data source is the plan’s custodian bank or record-keeper. If data cannot be obtained from one of the preferred data sources, data provided by investment managers may be used. Information on market indices and security characteristics is received from additional providers. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within. In addition, some index returns displayed in this report or used in calculation of a policy index, allocation index or other custom benchmark may be preliminary and subject to change.

All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.

The opinions presented herein represent the good faith views of NEPC as of the date of this presentation and are subject to change at any time. Neither fund performance nor universe rankings contained in this report should be considered a recommendation by NEPC.

This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Source of private fund performance benchmark data: Cambridge Associates, via Refinitiv