June 2024

State of Rhode Island State Investment Commission

Absolute Return Portfolio Review as of April 2024

CLIFFWATER

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Summary

Absolute Return portfolio has achieved its investment objectives over both the short and long term

Most funds in the portfolio have met expectations

Notes on analysis:

1.All returns are net of fees. Returns are annualized if the period is 12 months or longer.

2.Alpha and beta calculations based on regression calculations and are relative to MSCI ACWI

Portfolio Objectives

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Role in the total fund is to reduce total fund risk by reducing return volatility

Portfolio objectives:

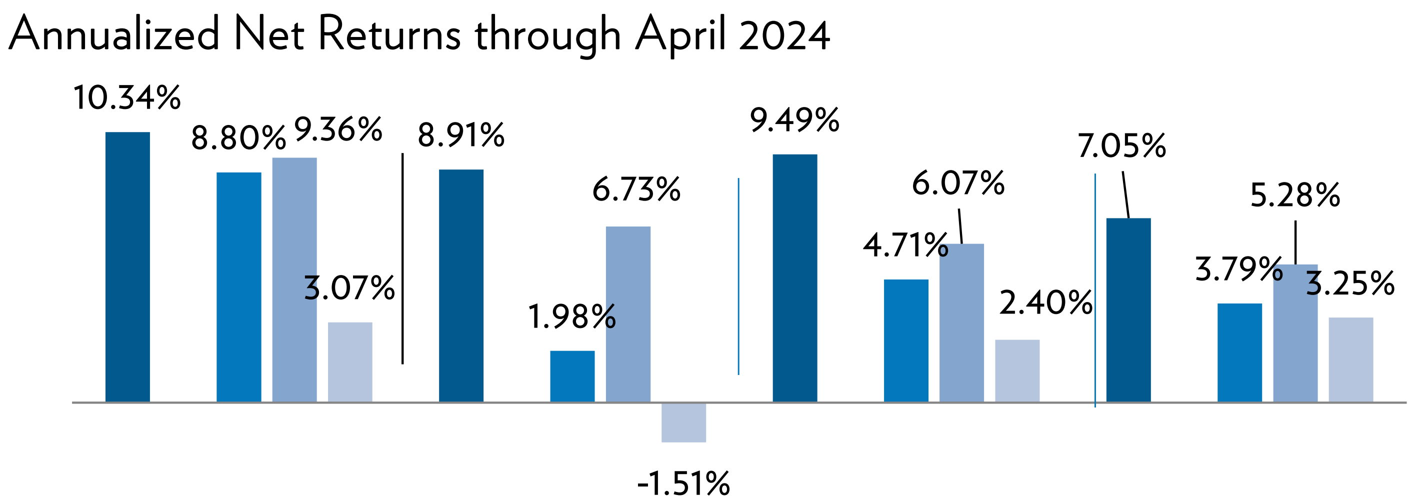
- Low equity beta/correlation
- Equity market downside protection
- Good alpha generation

Performance Evaluation

Performance Evaluation

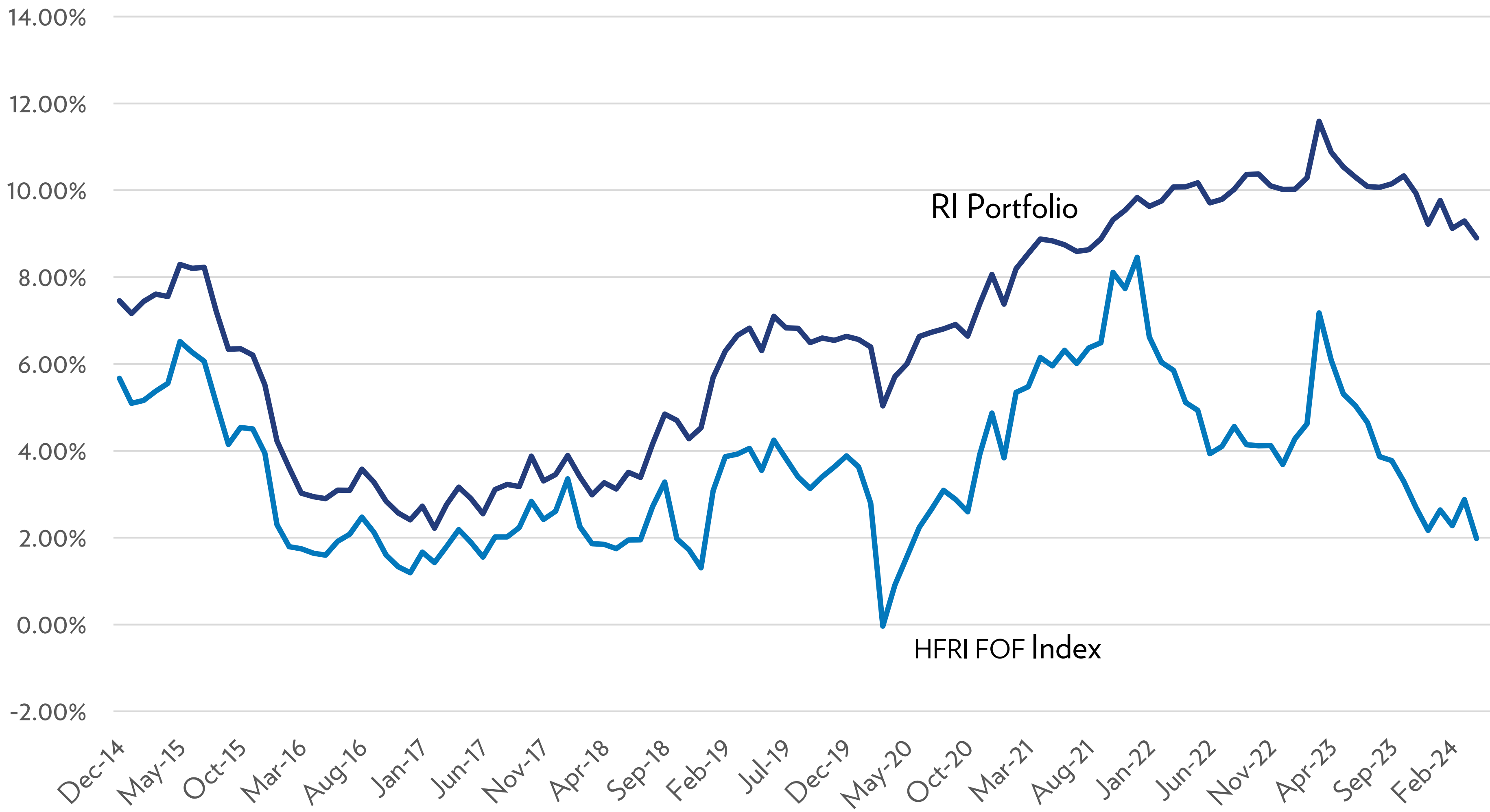
Total Return (net of fees)

The RI Portfolios have outperformed HFRI FoF Index over all periods.



	1 Year	3 Year	5 Year	Since Inception
RI Portfolio	10.34%	8.91%	9.49%	7.05%
HFRI FoF Index	8.80%	1.98%	4.71%	3.79%
T-Bills+4%	9.36%	6.73%	6.07%	5.28%
75% Bonds/25% Stocks	3.07%	-1.51%	2.40%	3.25%

Three Year Rolling Total Returns (net of fees since inception through 4/30/24)



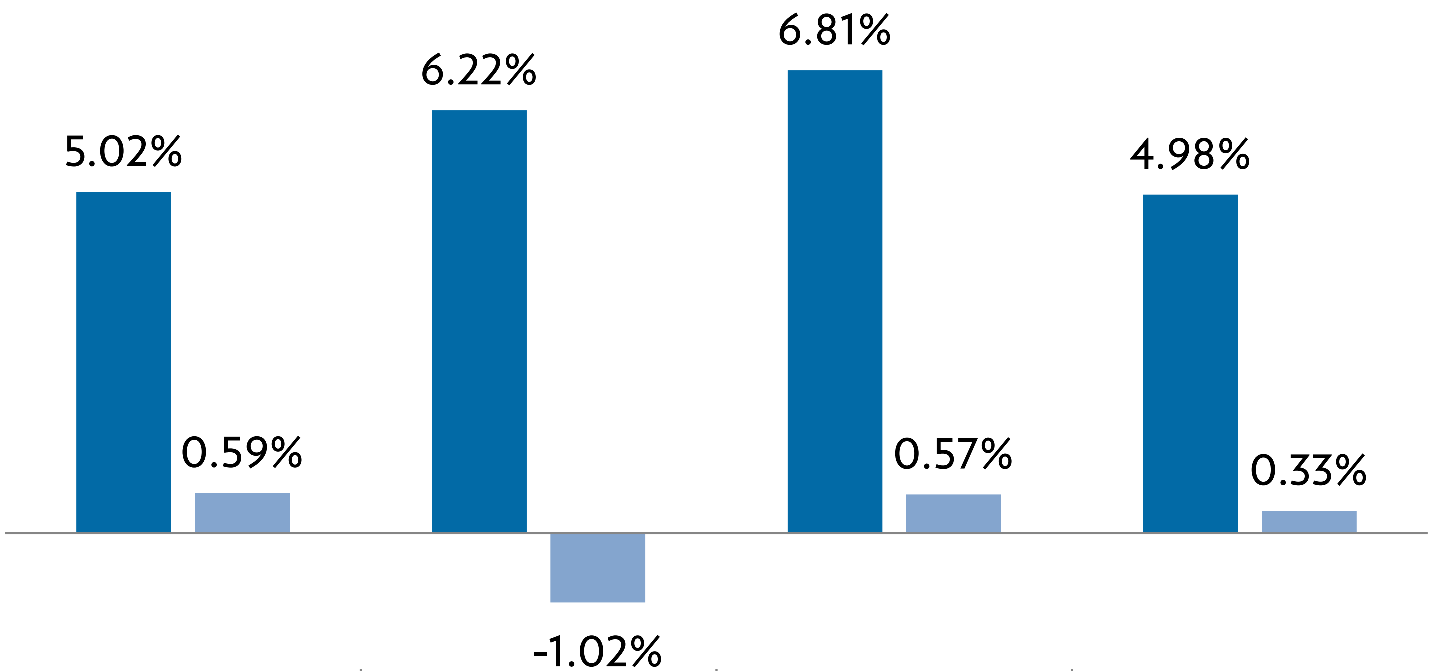
Performance Evaluation

Alpha Return (net of fees)

RI Portfolio has generated 5% or more Alpha over all periods.

RI Portfolio has generated more Alpha than HFRI FoF Index over all periods.

Annualized Net Returns through April 2024



	1 Year	3 Year	5 Year	Since Inception
RI Portfolio	5.02%	6.22%	6.81%	4.98%
HFRI FoF Index	0.59%	-1.02%	0.57%	0.33%

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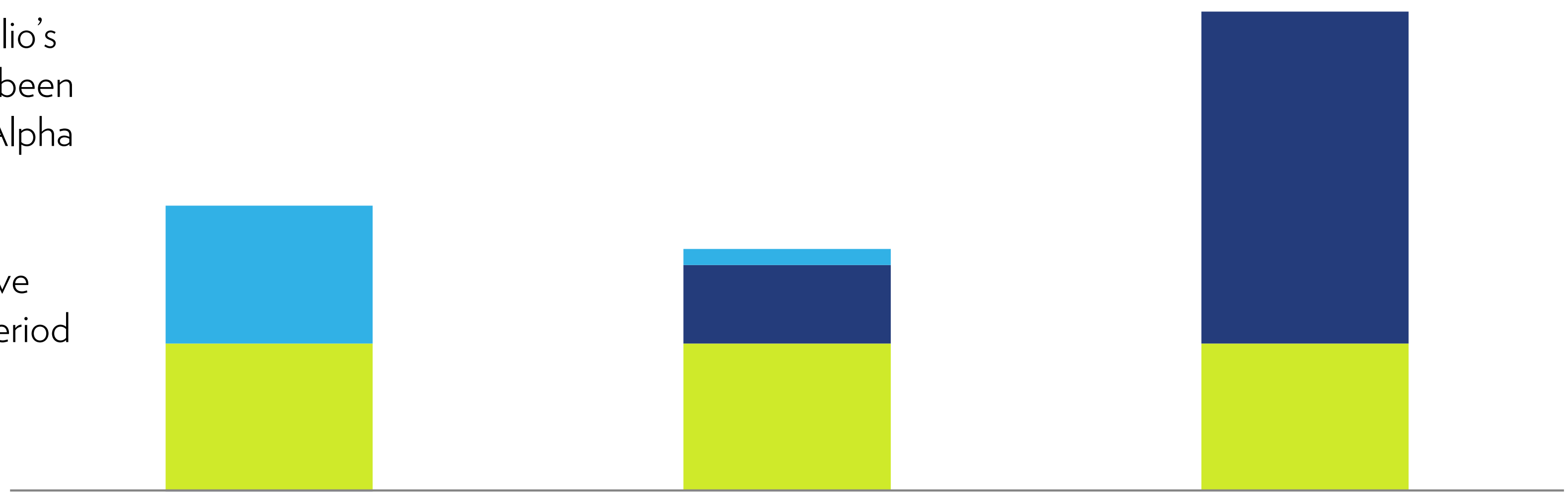
Return Attribution – One Year

Annualized Net Returns through April 2024

49% of the Portfolio's performance has been generated from Alpha

The benchmark generated negative Alpha over this period



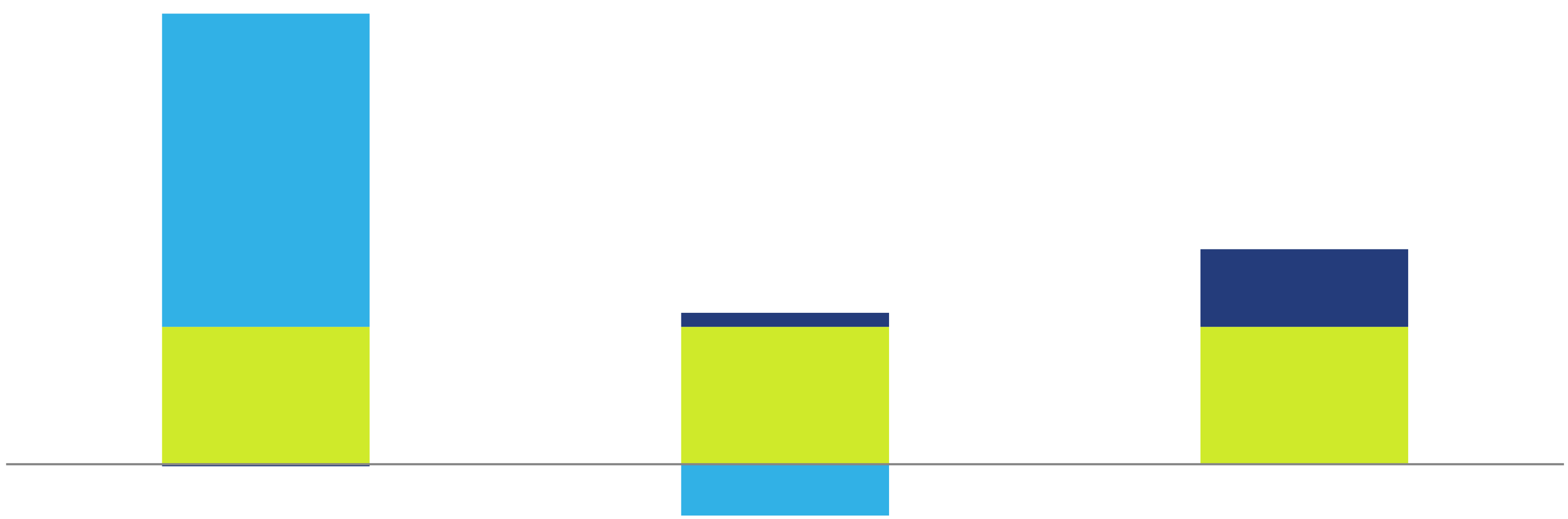
	RI Portfolio	HFRI FoF Index	MSCI ACWI
Alpha	5.02%	0.59%	0.00%
Beta	-0.04%	2.86%	12.10%
Risk Free	5.36%	5.36%	5.36%

Performance Evaluation

Performance Attribution – Three Years

70% of the Portfolio's performance has been generated from Alpha

Annualized Net Returns through April 2024



	RI Portfolio	HFRI FoF Index	MSCI ACWI
Alpha	6.22%	-1.02%	0.00%
Beta	-0.04%	0.28%	1.54%
Risk Free	2.73%	2.73%	2.73%

Performance Evaluation

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Performance Attribution – Five Years

Annualized Net Returns through April 2024

72% of the Portfolio's performance has been generated from Alpha

	RI Portfolio	HFRI FoF Index	MSCI ACWI
Alpha	6.81%	0.57%	0.00%
Beta	0.56%	2.07%	7.38%
Risk Free	2.07%	2.07%	2.07%

Performance Evaluation

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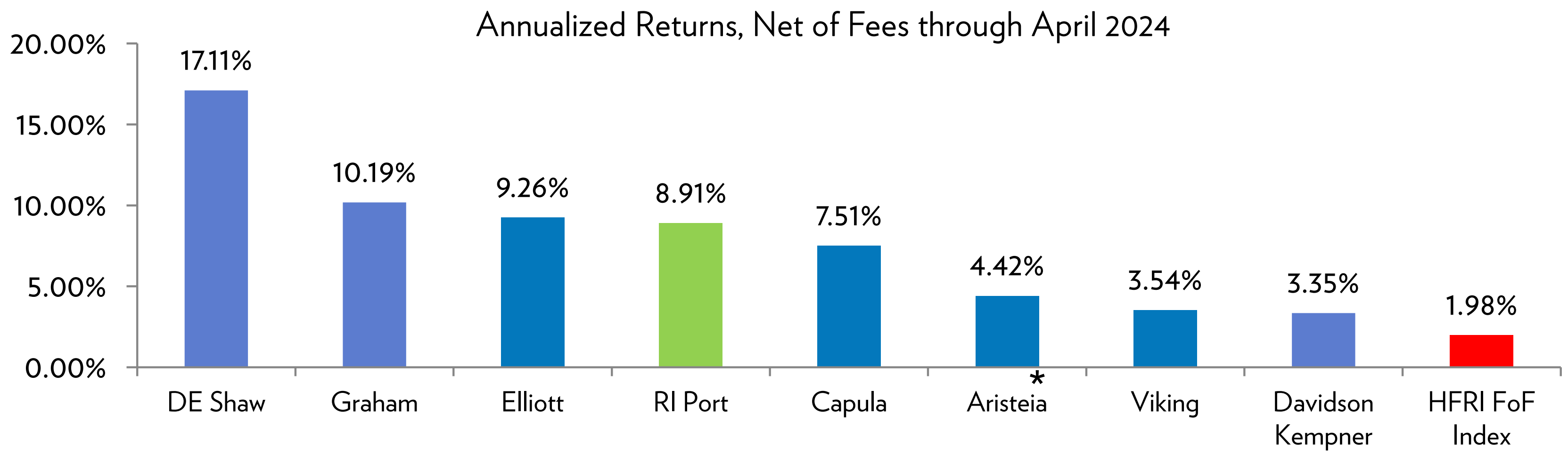
Manager Performance – Three Years



Three Years	DE Shaw	Graham	Elliott	RI Port	Capula	Aristeia	Viking	Davidson Kempner	HFRI FoF Index
#months	36	36	36	36	36	36	36	36	36
Total Return	17.11%	10.19%	9.26%	8.91%	7.51%	4.42%	3.54%	3.35%	1.98%
Total Risk	3.74%	7.43%	2.98%	1.64%	1.97%	2.52%	6.60%	2.53%	4.04%
Return/Risk	4.58	1.37	3.11	5.43	3.81	1.75	0.54	1.32	0.49
Correlation	(0.23)	(0.44)	(0.15)	(0.19)	(0.41)	(0.25)	0.41	0.49	0.77
Beta	(0.05)	(0.21)	(0.03)	(0.03)	(0.06)	(0.05)	0.15	0.07	0.18
Beta Return	-0.08%	-0.32%	-0.05%	-0.04%	-0.09%	-0.07%	0.23%	0.10%	0.28%
Beta Risk	-0.91%	-3.43%	-0.54%	-0.42%	-0.93%	-0.75%	2.49%	1.11%	3.01%
Alpha	14.47%	7.78%	6.58%	6.22%	4.86%	1.76%	0.58%	0.52%	-1.02%
Alpha Risk	3.62%	6.59%	2.93%	1.59%	1.74%	2.40%	6.11%	2.27%	2.70%
Info Ratio*	3.99	1.18	2.25	3.92	2.80	0.73	0.10	0.23	(0.38)
Risk-free	2.73%	2.73%	2.73%	2.73%	2.73%	2.73%	2.73%	2.73%	2.73%

Performance Evaluation

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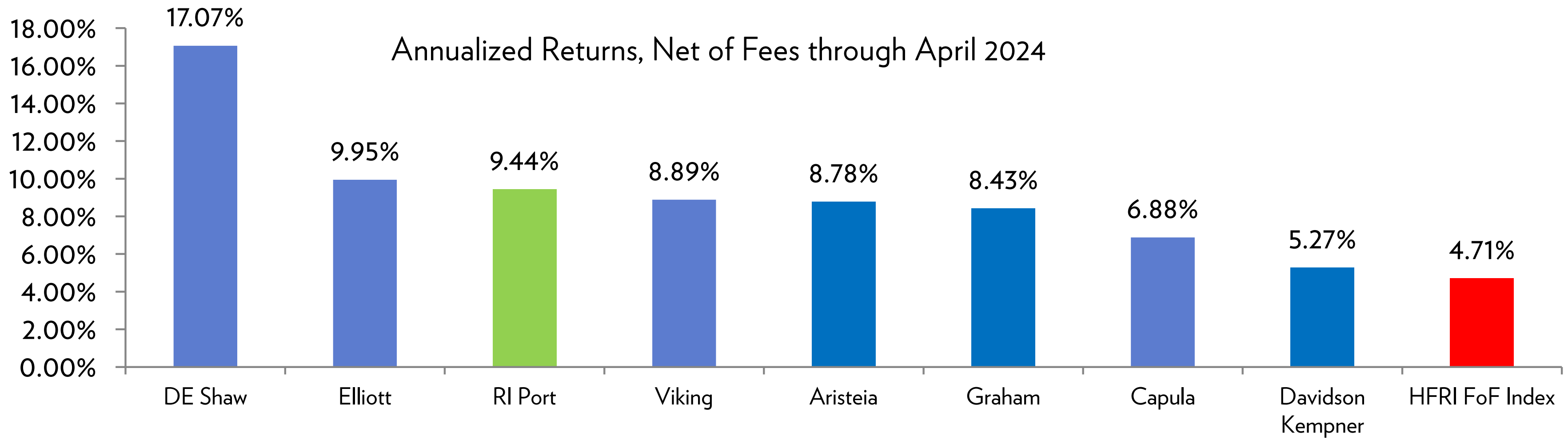
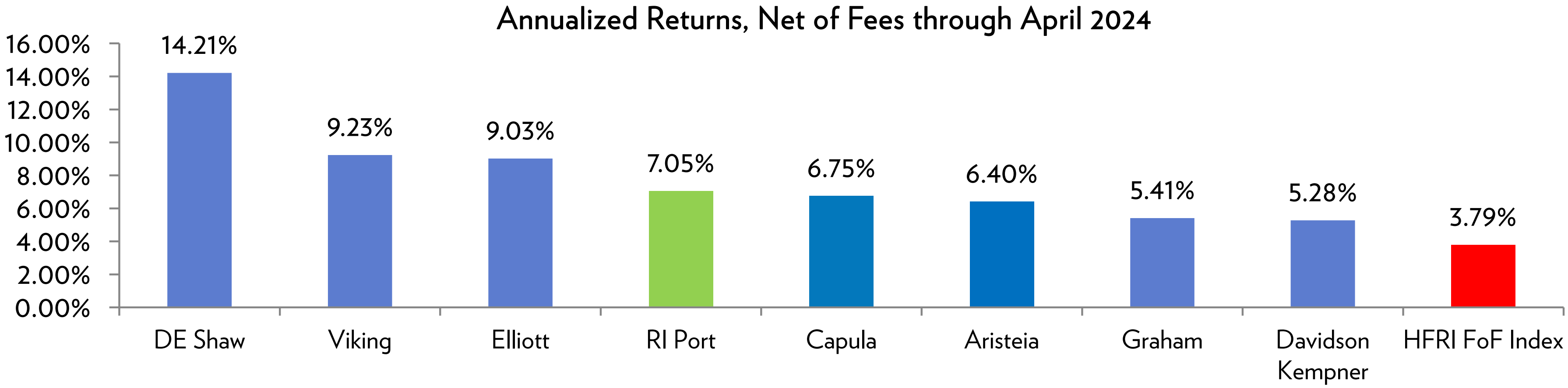
Manager Performance – Five Years



Five Years	DE Shaw	Elliott	RI Port	Viking	Aristeia	Graham	Capula	Davidson Kempner	HFRI FoF Index
#months	60	60	60	60	60	60	60	60	60
Total Return	17.07%	9.95%	9.44%	8.89%	8.78%	8.43%	6.88%	5.27%	4.71%
Total Risk	3.61%	3.03%	2.92%	8.86%	5.03%	9.14%	1.82%	5.24%	6.05%
Return/Risk	4.73	3.29	3.24	1.00	1.75	0.92	3.78	1.01	0.78
Correlation	0.12	0.08	0.44	0.50	0.35	0.17	(0.33)	0.64	0.82
Beta	0.03	0.02	0.08	0.25	0.10	0.09	(0.03)	0.19	0.28
Beta Return	0.22%	0.13%	0.56%	1.85%	0.75%	0.69%	-0.23%	1.41%	2.07%
Beta Risk	0.52%	0.32%	1.35%	4.46%	1.82%	1.66%	-0.55%	3.40%	4.99%
Alpha	14.78%	7.74%	6.81%	4.97%	5.96%	5.67%	5.04%	1.80%	0.57%
Alpha Risk	3.57%	3.01%	2.58%	7.65%	4.69%	8.98%	1.73%	3.99%	3.42%
Info Ratio*	4.14	2.57	2.64	0.65	1.27	0.63	2.91	0.45	0.17
Risk-free	2.07%	2.07%	2.07%	2.07%	2.07%	2.07%	2.07%	2.07%	2.07%

Performance Evaluation

Manager Performance – Since Inception



SI	DE Shaw	Viking	Elliott	RI Port	Capula	Aristeia	Graham	Davidson Kempner	HFRI FoF Index
#months	134	133	134	134	133	134	132	134	134
Total Return	14.21%	9.23%	9.03%	7.05%	6.75%	6.40%	5.41%	5.28%	3.79%
Total Risk	3.98%	8.27%	3.23%	2.99%	1.73%	4.75%	7.69%	3.83%	4.84%
Return/Risk	3.57	1.12	2.79	2.36	3.91	1.35	0.70	1.38	0.78
Correlation	0.08	0.51	0.09	0.48	(0.25)	0.22	0.15	0.60	0.82
Beta	0.03	0.29	0.02	0.10	(0.03)	0.08	0.08	0.16	0.28
Beta Return	0.20%	2.24%	0.18%	0.79%	-0.22%	0.59%	0.63%	1.27%	2.17%
Beta Risk	0.37%	4.22%	0.33%	1.46%	-0.41%	1.09%	1.23%	2.34%	4.01%
Alpha	12.73%	5.70%	7.57%	4.98%	5.68%	4.53%	3.48%	2.73%	0.33%
Alpha Risk	3.96%	7.11%	3.21%	2.61%	1.68%	4.62%	7.59%	3.03%	2.71%
Info Ratio*	3.21	0.80	2.35	1.91	3.38	0.98	0.46	0.90	0.12
Risk-free	1.28%	1.29%	1.28%	1.28%	1.29%	1.28%	1.30%	1.28%	1.28%

Note: Inception date for the portfolio is 11/2011. . Not all managers have a 11/2011 inception date.

Performance Evaluation

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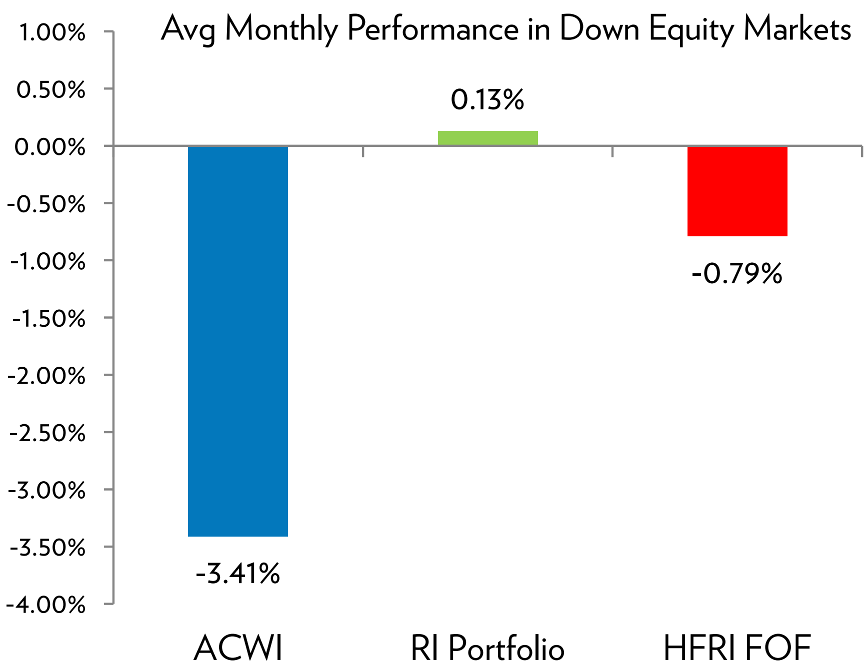
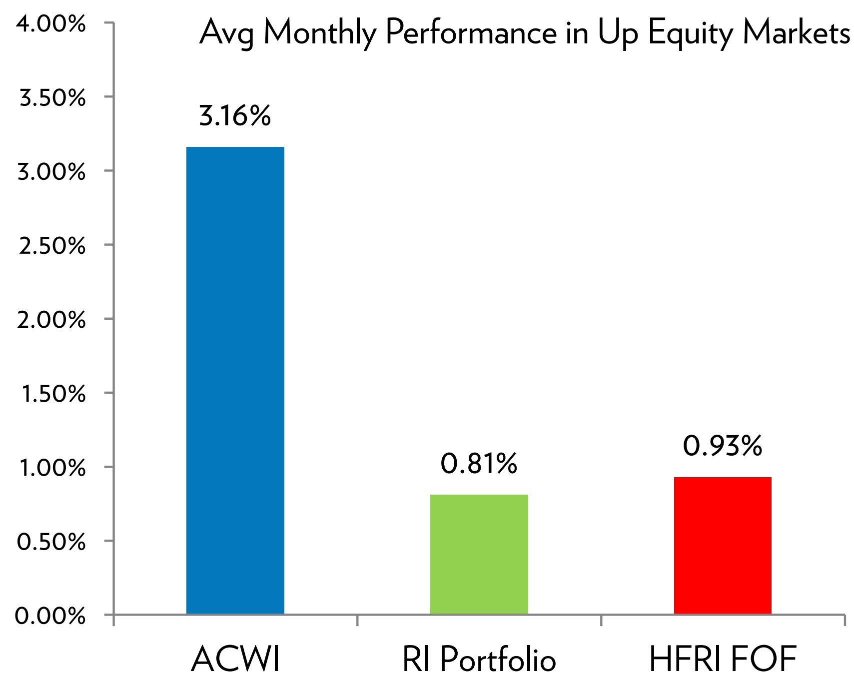
Downside Protection and Upside Capture





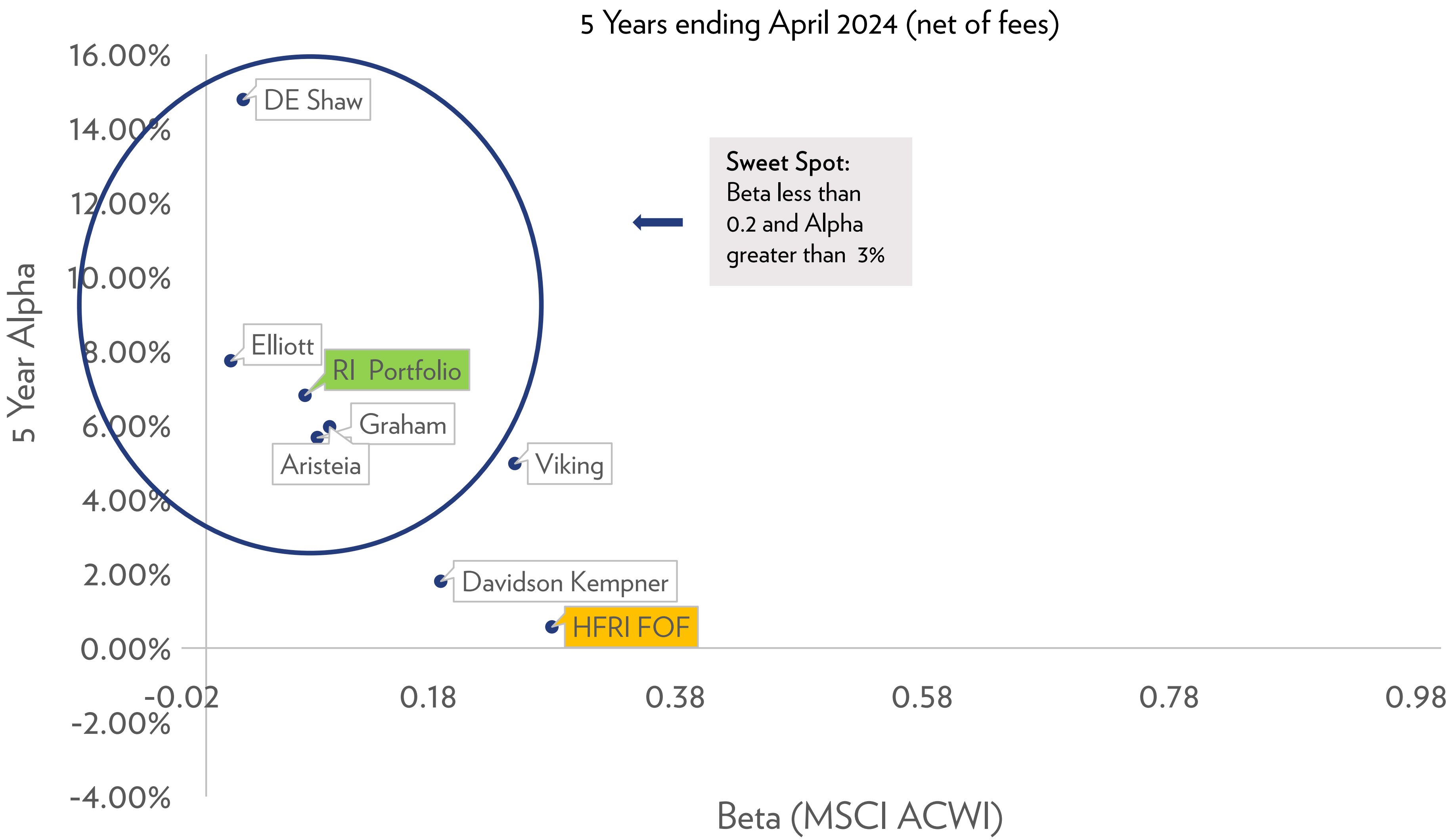
The RI Portfolio has produced superior downside capture generating on average positive returns in down equity markets

The RI Portfolio has produced upside market capture comparable to HFRI Fund of Funds Index

Portfolio Exposures

Portfolio Exposures

Beta and Alpha



Portfolio Exposures

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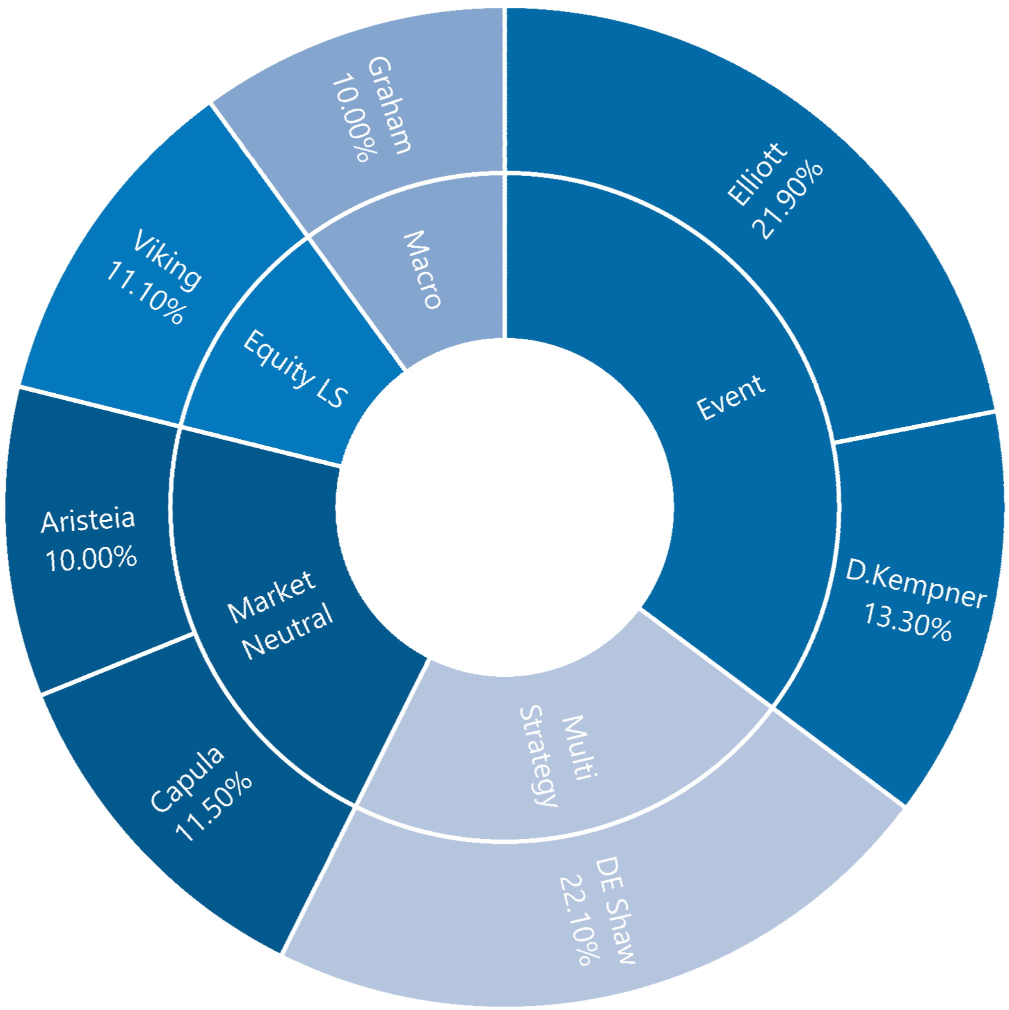
Strategy Exposure by Manager Target Strategy April 2024

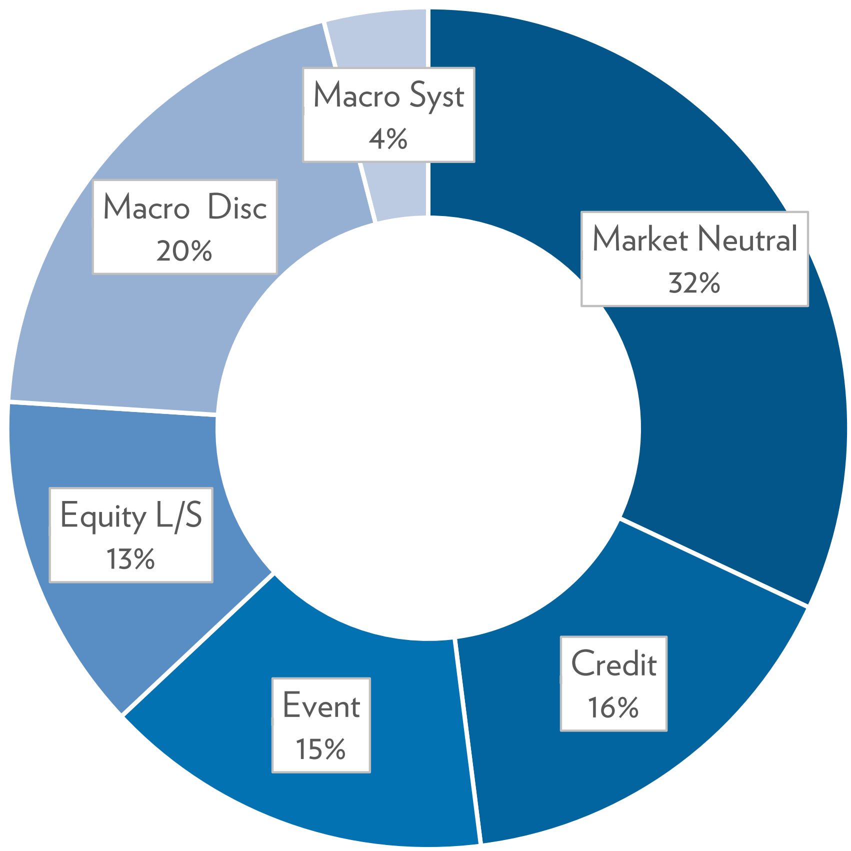


Cliffwater Low-Risk Model Portfolio

Sector	Target Weight
Market Neutral/Multi-Strategy	33%
Event Driven/Credit	30%
Macro	20%
Equity Long/Short	17%

Portfolio Exposures

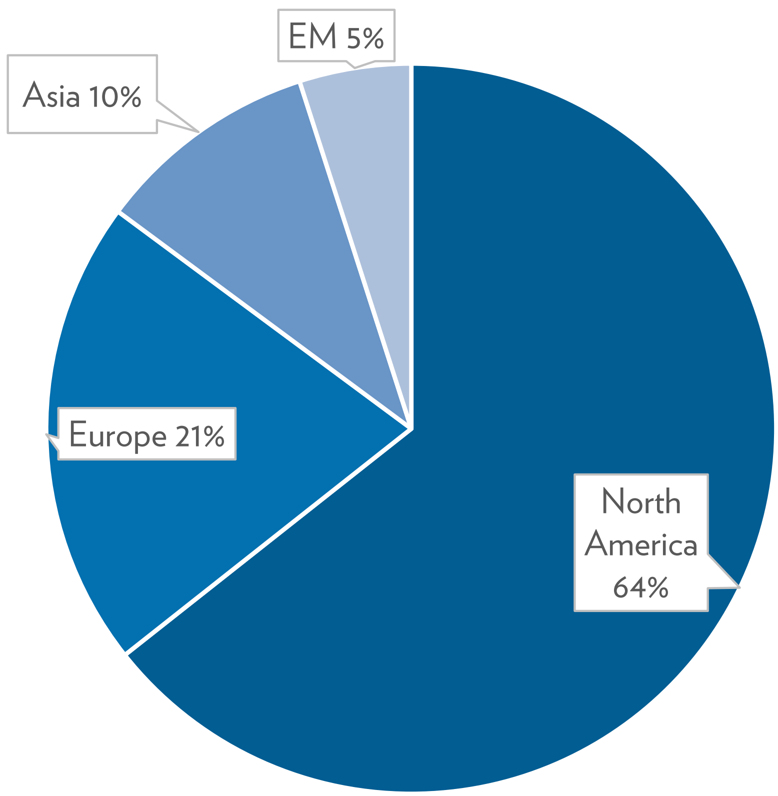
Strategy Exposures by Manager Positioning April 2024



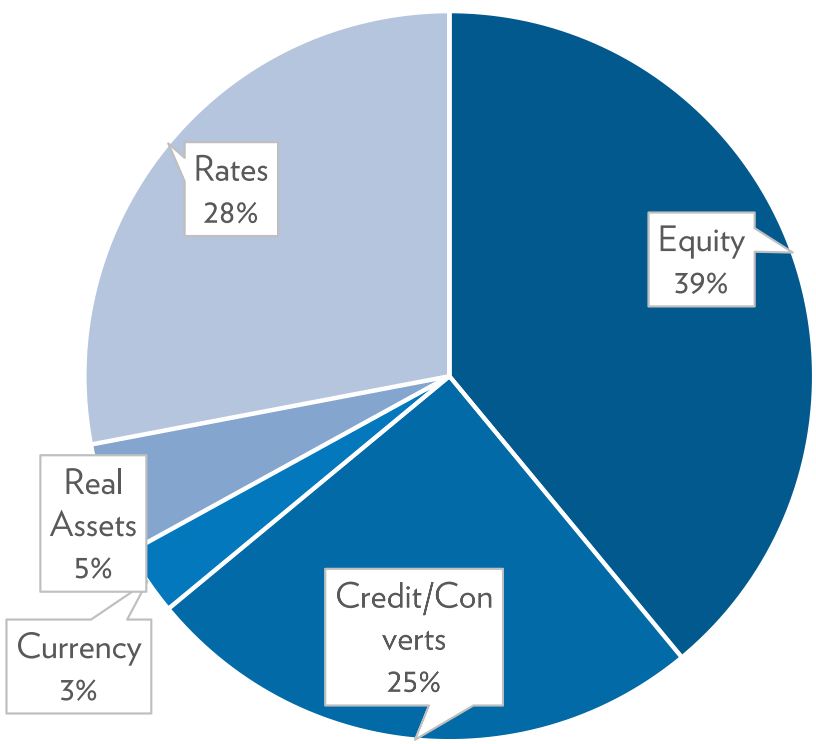
Portfolio Exposures

Portfolio Construction by Manager Positioning April 2024

Geographic Exposure



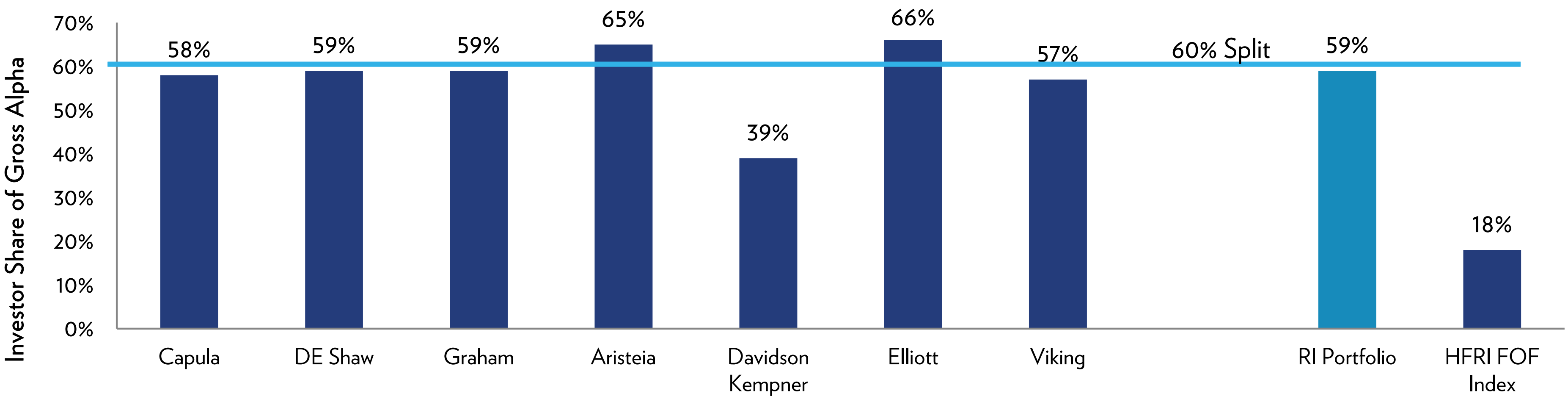
Asset Type Exposure



Fees Evaluation

Fee Evaluation

Share of Alpha



			Five Year Performance					
			Net of Fees		Gross of Fees			
	Management Fee	Performance Fee	Total Return	Alpha	Total Return	Alpha	Gross Alpha Split Manager	Gross Alpha Split Investor
Capula	2.00%	20.00%	6.88%	5.04%	10.60%	8.76%	42%	58%
DE Shaw	3.00%	30.00%	17.07%	14.78%	27.38%	25.10%	41%	59%
Graham	1.80%	20.00%	8.43%	5.67%	12.33%	9.58%	41%	59%
Aristeia	1.00%	20.00%	8.78%	5.96%	11.98%	9.16%	35%	65%
Davidson Kempner	1.50%	20.00%	5.27%	1.80%	8.09%	4.61%	61%	39%
Elliott	1.50%	20.00%	9.95%	7.74%	13.93%	11.73%	34%	66%
Viking	1.50%	20.00%	8.89%	4.97%	12.61%	8.70%	43%	57%
RI Portfolio	1.93%	22.55%	9.44%	6.81%	14.11%	11.48%	41%	59%
HFRI FOF Index	1.50%	20.00%	4.71%	0.57%	7.38%	3.25%	82%	18%

Note: HFRI FOF fees are assumed at industry norm of 1.50% and 20%. Data through Apr 2024