# FOUNDATION ANNUAL FLASH STATISTICS REPORT





# **CONTENTS**

NOTES ON THE DATA	1
FIGURES	
1. Summary of Investment Pool Returns	2
2. Summary of Investment Pool Returns by Asset Size	3
3. Performance Reporting Methodologies: Private Investments	4
4. Performance Reporting Methodologies: Calculation of Net Returns	5
5. CY 2022 Total Return and Performance Reporting Methodologies	
by Institution	6
6. Trailing 3-, 5-, 10-, and 20-Year Total Returns by Institution	9
7. Nominal Total Return, Standard Deviation, and Sharpe Ratio by Institution	12
8. Mean Asset Allocation by Asset Size	15
9. Historical Mean Asset Allocation Trends	16
10. Detailed Asset Allocation by Institution	17
PARTICIPANTS	23

# PARTICIPANTS



# Notes on the Data

## DATA COLLECTION AND RESULTS

This report includes data for foundations. 92 are private nonoperating foundations, four are private operating foundations, and ten are community foundations. All participants provided investment pool return and asset allocation data as of December 31, 2022. The notation of n denotes the number of institutions included in each analysis.

The 106 participants in this study reported long-term investment portfolio (LTIP) assets as of December 31, 2022, totaling \$211 billion. The mean LTIP size was \$2.0 billion, and the median was \$340 million.

19 participants have an LTIP size less than \$100 million, while 32 have an asset size greater than \$1 billion. The remaining 55 participants have an LTIP size between \$100 million and \$1 billion. The participants with LTIP sizes greater than \$1 billion controlled 90% of the aggregate LTIP assets.

In Figures 8 and 10, US equity includes funds that invest primarily in the United States; global ex US equity developed includes funds that invest primarily in developed markets outside the United States; emerging markets equity includes funds that invest primarily in emerging markets regions; and global equity includes funds that have meaningful exposure across two or more of the aforementioned regions. In Figure 9, the summary asset allocation categories align with how the entire asset allocation framework is displayed in Figure 8.

#### CALCULATION OF THE REAL RATE OF RETURN

The real, or inflation-adjusted, rate of return for a given investment is calculated by dividing the nominal total return by the appropriate deflator for the same time period. Throughout the report, the deflation measure used for this purpose is the Consumer Price Index. Note that simply subtracting the deflator from the nominal total return does not result in an accurate computation of real total return. The formula is:

1 + Nominal Total Return

1 + Deflator

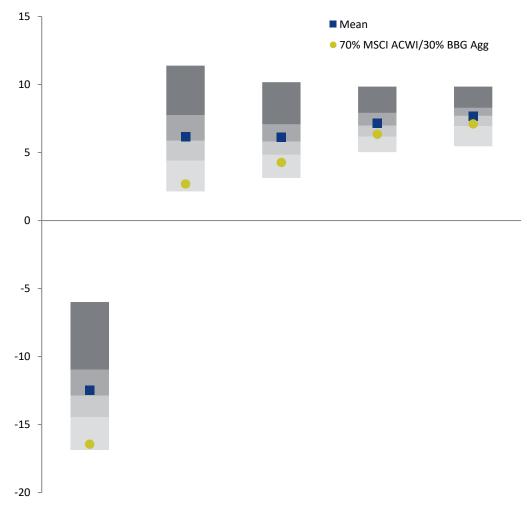
#### **BLENDED PORTFOLIO BENCHMARKS**

Throughout the report, the 70/30 simple portfolio benchmarks are calculated assuming rebalancing occurs on the final day of each quarter. The MSCI indexes contained in this report are net of dividend taxes for global ex US securities.



#### FIGURE 1 SUMMARY OF INVESTMENT POOL RETURNS

Years Ended December 31, 2022 • Percent (%)



	1 Year	3 Years	5 Years	10 Years	20 Years
5th %ile	-6.0	11.4	10.2	9.8	9.8
25th %ile	-11.0	7.7	7.1	7.9	8.3
Median	-12.9	5.9	5.8	7.0	7.7
75th %ile	-14.5	4.4	4.8	6.2	6.9
95th %ile	-16.8	2.1	3.1	5.0	5.5
Mean	-12.5	6.2	6.1	7.1	7.7
n	106	106	104	97	67
70/30 Index	-16.4	2.7	4.3	6.3	7.1

Sources: Foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data are provided "as is" without any express or implied warranties.

Note: Three-, five-, ten-, and 20-year returns are annualized.



#### FIGURE 2 SUMMARY OF INVESTMENT POOL RETURNS BY ASSET SIZE

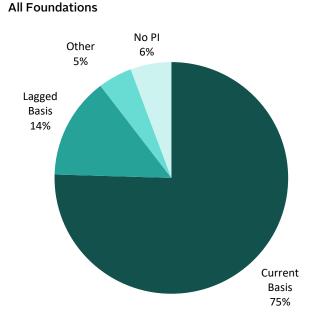
Periods Ended December 31, 2022 • Percent (%)

	1 Year	3 Years	5 Years	10 Years	20 Years
Less Than \$100M					
5th Percentile	-10.7	8.8	7.3	7.0	7.9
25th Percentile	-12.3	5.3	5.0	6.3	7.3
Median	-13.9	3.7	4.0	6.0	5.9
75th Percentile	-16.0	2.3	3.2	5.3	5.1
95th Percentile	-18.1	1.0	2.2	4.3	4.7
		2.0			
Mean	-14.5	4.0	4.2	5.8	6.2
n	19	19	18	14	6
\$100M-\$300M					
5th Percentile	-10.1	8.0	7.1	7.5	8.3
25th Percentile	-12.3	6.6	6.2	7.1	8.0
Median	-13.4	5.1	5.4	6.4	7.3
75th Percentile	-14.3	4.5	4.9	6.0	6.7
95th Percentile	-16.2	2.9	3.8	5.2	6.0
Mean	-13.4	5.3	5.5	6.4	7.3
n	31	31	31	30	19
\$300M–\$1B					
5th Percentile	-5.8	9.1	9.0	8.6	9.3
25th Percentile	-10.2	7.8	7.0	7.6	8.0
Median	-12.3	6.6	6.4	7.2	7.3
75th Percentile	-13.8	4.8	5.2	6.4	6.9
95th Percentile	-15.3	2.3	3.5	5.2	5.9
Mean	-11.7	6.4	6.3	7.1	7.4
n	24	24	24	24	18
More Than \$1B					
5th Percentile	-5.2	12.3	11.2	10.8	9.9
25th Percentile	-8.1	10.6	9.2	9.6	9.1
Median	-12.3	7.6	7.2	8.5	8.3
75th Percentile	-14.0	6.0	6.2	7.5	7.9
95th Percentile	-15.6	4.4	4.5	6.8	7.2
Mean	-11.0	8.1	7.7	8.5	8.5
n	32	32	31	29	24

Source: Foundation data as reported to Cambridge Associates LLC. Note: Three-, five-, ten-, and 20-year returns are annualized.

#### FIGURE 3 PERFORMANCE REPORTING METHODOLOGIES: PRIVATE INVESTMENTS

As of December 31, 2022

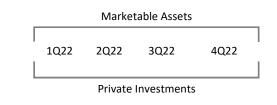


	Current	Lagged	Other	No PI
	Basis	Basis	Method	Allocation
	600/		= = (	2.63/
Less Than \$100M	68%	—	5%	26%
n	13		1	5
6400N4 6200N4	070/		100/	20/
\$100M-\$300M	87%	_	10%	3%
n	27		3	1
\$300M-\$1B	88%	13%	_	_
• •				
n	21	3		
More Than \$1B	59%	38%	3%	_
n	19	12	1	

#### Foundations by Asset Size

#### **Current Basis**

Total investment pool return for the trailing one-year period includes marketable asset performance and private investment performance for January 1, 2022, to December 31, 2022.



#### Lagged Basis

Total investment pool return for the trailing one-year period includes marketable asset performance for January 1, 2022, to December 31, 2022, and private investment performance for October 1, 2021, to September 30, 2022.

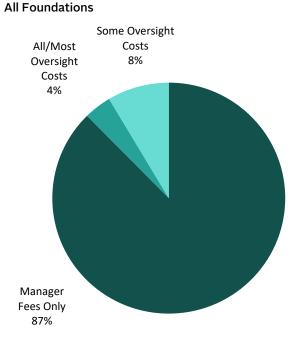


Source: Foundation data as reported to Cambridge Associates LLC.

Note: Institutions with no significant private investment allocations (<1% of their total investment portfolios) are reflected in the No PI Allocation category in the pie graph and table by asset size.

#### FIGURE 4 PERFORMANCE REPORTING METHODOLOGIES: CALCULATION OF NET RETURNS

Types of Expenses Deducted in CY 2022 Net Return Calculation



#### Foundations by Asset Size

		All/Most	Some
	Manager	Oversight	Oversight
	Fees Only	Costs	Costs
Less Than \$200M	100%	_	_
n	19		
\$200M-\$500M	97%	_	3%
n	30		1
\$500M-\$1B	92%	4%	4%
n	22	1	1
\$1B-\$3B	68%	10%	23%
n	21	3	7

#### Manager Fees Only

Only external manager fees are deducted in the net return calculation. Investment oversight expenses are not netted against the return.

#### All/Most Oversight Costs

External manager fees plus all or most oversight expenses are deducted in the net return calculation, including the major oversight cost drivers (i.e., investment staff compensation).

#### Some Oversight Costs

External manager fees plus some oversight expenses are deducted in the net return calculation. However, returns are gross of investment staff compensation that typically represents the largest portion of internal investment office expenses.

Source: Foundation data as reported to Cambridge Associates LLC. Note: One foundation reports performance gross of all fees and is excluded from this analysis.

# FIGURE 5 CY 2022 TOTAL RETURN AND PERFORMANCE REPORTING METHODOLOGIES BY INSTITUTION

As of December 31, 2022 • Percent (%)

	Nominal	Real	Private Investment	Private Investment	
Code	Return	Return	Allocation	Methodology	Net Reporting Methodolog
1	-12.8	-18.1	42.9	Current	Manager Fees Only
2	-11.1	-16.5	34.3	Current	Manager Fees Only
3	-13.2	-18.4	8.9	Current	Manager Fees Only
4	-12.6	-17.9	38.2	Lagged	Manager Fees Only
5	-13.1	-18.3	38.1	Current	Manager Fees Only
6	-18.6	-23.5	16.8	Current	Manager Fees Only
7	-6.7	-12.3	41.4	Current	Manager Fees Only
8	-19.9	-24.8	39.5	Current	Manager Fees Only
9	-12.9	-18.1	18.5	Current	Manager Fees Only
10	-8.2	-13.7	50.9	Current	Manager Fees Only
11	-13.6	-18.8	38.7	Current	Manager Fees Only
12	-13.9	-19.1	42.9	Current	Manager Fees Only
13	-12.1	-17.5	32.1	Current	Manager Fees Only
14	-9.7	-15.2	51.3	Current	Manager Fees Only
15	-6.0	-11.7	42.5	Lagged	Manager Fees Only
16	-12.2	-17.5	22.0	Current	Manager Fees Only
17	-15.7	-20.8	13.2	Current	Manager Fees Only
18	-18.2	-23.2	58.8	Current	Manager Fees Only
19	-12.9	-18.1	37.2	Current	Manager Fees Only
20	-11.0	-16.4	24.1	Current	Manager Fees Only
21	-27.0	-31.4	25.0	Current	Manager Fees Only
22	-5.1	-10.8	2.7	Current	Gross of All Fees
23	-15.9	-21.0	10.1	Other	Manager Fees Only
24	-16.0	-21.0	50.8	Current	Manager Fees Only
25	-15.6	-20.7	35.9	Lagged	All/Most Oversight Costs
26	-16.0	-21.1	20.2	Current	Manager Fees Only
27	-10.4	-15.8	32.0	Lagged	Manager Fees Only
28	-14.1	-19.3	28.9	Current	Manager Fees Only
29	-11.0	-16.4	0.0	N/A	Manager Fees Only
30	-9.3	-14.8	38.9	Current	Some Oversight Costs
31	-15.7	-20.8	33.1	Lagged	Manager Fees Only
32	-15.3	-20.5	34.8	Current	Manager Fees Only
33	-13.6	-18.8	13.1	Current	Manager Fees Only
34	-8.4	-13.9	39.5	Current	Manager Fees Only
35	-14.5	-19.6	8.7	Lagged	Manager Fees Only

Mean	-12.5	-17.8	28.6
Median	-12.9	-18.2	29.9
n	106	106	106

Source: Foundation data as reported to Cambridge Associates LLC.

Notes: Please see Figures 3 and 4 for more information on the private investment and net return reporting methodologies. Private investment allocation includes total allocation to non-venture private equity, venture capital, distressed securities (private equity structure), private oil & gas/natural resources, timber, private real estate, and other private investments. Real returns are adjusted for inflation as measured by the Consumer Price Index.



#### FIGURE 5 CY 2022 TOTAL RETURN AND PERFORMANCE REPORTING METHODOLOGIES BY INSTITUTION (cont)

As of December 31, 2022 • Percent (%)

	Nominal	Real	Private Investment	Private Investment	
Code	Return	Return	Allocation	Methodology	Net Reporting Methodolog
36	-9.7	-15.2	39.4	Lagged	Some Oversight Costs
37	-7.3	-12.9	37.0	Lagged	All/Most Oversight Costs
38	-15.4	-20.5	34.1	Current	Manager Fees Only
39	-14.0	-19.2	25.5	Current	Manager Fees Only
40	-12.1	-17.4	12.7	Current	Manager Fees Only
41	-11.9	-17.3	3.1	Current	Manager Fees Only
42	-6.0	-11.7	44.9	Lagged	Manager Fees Only
43	-10.0	-15.5	24.0	Current	Manager Fees Only
44	-5.3	-11.0	50.5	Other	Some Oversight Costs
45	-10.9	-16.3	29.4	Current	Manager Fees Only
46	-16.4	-21.4	0.0	N/A	Some Oversight Costs
47	-13.1	-18.4	15.6	Current	Manager Fees Only
48	-3.6	-9.4	59.7	Current	Manager Fees Only
49	-7.8	-13.4	39.5	Current	Manager Fees Only
50	-13.2	-18.5	39.7	Current	Manager Fees Only
51	-14.4	-19.6	30.9	Current	Manager Fees Only
52	-15.2	-20.4	22.7	Current	Some Oversight Costs
53	-15.1	-20.2	24.8	Current	Manager Fees Only
54	-14.0	-19.2	10.8	Current	Manager Fees Only
55	-12.5	-17.8	28.2	Current	Manager Fees Only
56	-14.9	-20.0	20.7	Current	Manager Fees Only
57	-14.7	-19.9	40.0	Current	Manager Fees Only
58	-12.7	-18.0	44.5	Current	Some Oversight Costs
59	-12.4	-17.7	25.3	Current	Manager Fees Only
60	-13.4	-18.7	23.3	Current	Manager Fees Only
61	-11.1	-16.5	25.8	Current	Manager Fees Only
62	-13.2	-18.4	23.5	Current	Manager Fees Only
63	-15.0	-20.1	35.8	Current	Manager Fees Only
64	-13.6	-18.8	27.6	Current	Manager Fees Only
65	-12.0	-17.3	18.3	Current	Manager Fees Only
66	-1.2	-7.2	47.9	Lagged	Some Oversight Costs
67	-14.0	-19.2	27.9	Current	Manager Fees Only
68	-5.6	-11.3	25.0	Current	Manager Fees Only
69	-7.9	-13.5	5.7	Current	Manager Fees Only
70	-11.5	-16.9	42.7	Lagged	Some Oversight Costs

Mean	-12.5	-17.8	28.6
Median	-12.9	-18.2	29.9
n	106	106	106

Source: Foundation data as reported to Cambridge Associates LLC.

Notes: Please see Figures 3 and 4 for more information on the private investment and net return reporting methodologies. Private investment allocation includes total allocation to non-venture private equity, venture capital, distressed securities (private equity structure), private oil & gas/natural resources, timber, private real estate, and other private investments. Real returns are adjusted for inflation as measured by the Consumer Price Index.



#### FIGURE 5 CY 2022 TOTAL RETURN AND PERFORMANCE REPORTING METHODOLOGIES BY INSTITUTION (cont)

As of December 31, 2022 • Percent (%)

	Nominal	Real	Private Investment	Private Investment	
Code	Return	Return	Allocation	Methodology	Net Reporting Methodology
71	-13.0	-18.3	38.0	Current	Manager Fees Only
72	-7.0	-12.6	35.1	Current	Manager Fees Only
73	-17.0	-22.0	0.0	N/A	Manager Fees Only
74	-13.8	-19.0	22.9	Current	Manager Fees Only
75	-12.5	-17.8	14.2	Current	Manager Fees Only
76	-12.3	-17.6	38.0	Current	Manager Fees Only
77	-8.9	-14.4	43.7	Lagged	Manager Fees Only
78	-12.1	-17.4	19.7	Current	Manager Fees Only
79	-13.6	-18.8	3.5	Current	Manager Fees Only
80	-16.0	-21.1	4.5	Current	Manager Fees Only
81	-13.4	-18.7	30.0	Current	Manager Fees Only
82	-11.5	-16.8	45.9	Current	Manager Fees Only
83	-14.5	-19.6	34.6	Current	Manager Fees Only
84	-15.5	-20.6	3.8	Current	Manager Fees Only
85	-10.2	-15.7	40.8	Current	Manager Fees Only
86	-14.6	-19.8	12.2	Current	Manager Fees Only
87	-17.1	-22.1	0.0	N/A	Manager Fees Only
88	-14.2	-19.4	13.8	Lagged	All/Most Oversight Costs
89	-13.1	-18.4	33.6	Current	Manager Fees Only
90	-11.0	-16.4	30.8	Current	Manager Fees Only
91	-8.2	-13.8	42.7	Current	Manager Fees Only
92	-13.9	-19.1	0.0	N/A	Manager Fees Only
93	-12.4	-17.7	38.7	Lagged	Manager Fees Only
94	-14.9	-20.1	50.1	Current	All/Most Oversight Costs
95	-13.7	-19.0	24.8	Current	Manager Fees Only
96	-16.1	-21.2	0.0	N/A	Manager Fees Only
97	-11.2	-16.6	16.9	Current	Manager Fees Only
98	-12.7	-18.0	70.2	Current	Some Oversight Costs
99	-12.7	-18.0	35.8	Current	Manager Fees Only
100	-7.1	-12.8	41.0	Lagged	Manager Fees Only
100	-14.9	-20.1	6.5	Current	Manager Fees Only
102	-13.5	-18.7	29.8	Current	Manager Fees Only
102	-10.6	-16.0	23.5	Other	Manager Fees Only
103	-12.3	-17.6	53.9	Other	Manager Fees Only
104	-9.2	-14.7	44.6	Other	Manager Fees Only
105	-12.9	-14.7	17.9	Current	Manager Fees Only
		2012			
Mean	-12.5	-17.8	28.6		
Median	-12.9	-18.2	29.9		
n	106	106	106		

Source: Foundation data as reported to Cambridge Associates LLC.

Notes: Please see Figures 3 and 4 for more information on the private investment and net return reporting methodologies. Private investment allocation includes total allocation to non-venture private equity, venture capital, distressed securities (private equity structure), private oil & gas/natural resources, timber, private real estate, and other private investments. Real returns are adjusted for inflation as measured by the Consumer Price Index.



#### FIGURE 6 TRAILING 3-, 5-, 10-, AND 20- YEAR TOTAL RETURNS BY INSTITUTION

Average Annual Compound Returns for Periods Ended December 31, 2022 • Percent (%)

	3 Ye	ars	5 Ye	5 Years		10 Years		20 Years	
Code	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real	
1	8.2	3.2	7.2	3.3	7.5	4.8	8.6	5.9	
2	6.0	1.0	5.8	1.9	7.0	4.3	7.3	4.7	
3	1.6	-3.2	2.8	-0.9	4.3	1.6	5.3	2.8	
4	9.1	4.0	9.2	5.2	8.6	5.9	_	_	
5	6.7	1.7	7.0	3.1	7.6	4.9	_	_	
6	3.4	-1.4	3.9	0.1	4.6	1.9	_	_	
7	8.5	3.4	6.7	2.9	7.4	4.7	6.9	4.3	
8	5.7	0.8	6.9	3.0	8.1	5.3	8.9	6.2	
9	3.1	-1.8	4.6	0.8	5.9	3.2	_	_	
10	10.8	5.6	9.1	5.2	9.8	7.0	9.9	7.2	
11	6.6	1.6	6.7	2.8	7.3	4.6	8.2	5.6	
12	9.6	4.5	9.0	5.1	8.5	5.7	8.2	5.5	
13	7.0	2.0	7.3	3.4	7.5	4.8	8.0	5.3	
14	8.1	3.0	6.8	2.9	7.3	4.6	_	_	
15	12.5	7.4	10.2	6.6	9.6	7.2	_	_	
16	4.0	-0.9	4.8	1.0	6.0	3.3	_	_	
17	2.4	-2.4	3.7	-0.1	5.1	2.5	_	_	
18	11.8	6.6	12.0	8.0	11.0	8.2	10.5	7.8	
19	3.4	-1.5	4.3	0.5	5.7	3.0	7.7	5.1	
20	6.9	1.9	6.6	2.7	7.0	4.3	7.4	4.7	
21	6.9	1.9	_	_	_	_	_	_	
22	4.4	-0.5	4.7	0.9	7.5	4.8	7.9	5.3	
23	4.0	-0.8	5.5	1.7	6.7	4.0	7.9	5.3	
24	4.8	-0.1	3.3	-0.5	6.1	3.4	_	_	
25	7.7	2.6	8.8	4.8	9.7	6.9	8.7	6.0	
26	3.2	-1.6	3.4	-0.3	5.4	2.7	6.4	3.8	
27	4.9	-0.1	5.5	1.7	7.4	4.7	_	_	
28	5.5	0.6	5.2	1.4	6.3	3.6	6.0	3.4	
29	3.8	-1.0	3.9	0.2	5.7	3.0	_	_	
30	9.7	4.6	8.7	4.7	8.5	5.8	9.4	6.7	
31	5.8	0.9	6.4	2.5	7.9	5.2	7.9	5.3	
32	4.4	-0.5	4.3	0.5		_		_	
33	5.1	0.1	5.1	1.3	_	_	_	_	
34	8.9	3.8	8.1	4.2	8.2	5.5	8.9	6.2	
35	2.2	-2.6	4.1	0.3	6.3	3.6	7.2	4.6	
/lean	6.2	1.2	6.1	2.3	7.1	4.4	7.7	5.0	
/ledian	5.9	0.9	5.8	2.0	7.0	4.3	7.7	5.1	
1	106	106	104	104	97	97	67	67	

Source: Foundation data as reported to Cambridge Associates LLC.

Note: Real returns are adjusted for inflation as measured by the Consumer Price Index.



# FIGURE 6 TRAILING 3-, 5-, 10-, AND 20- YEAR TOTAL RETURNS BY INSTITUTION (cont)

Average Annual Compound Returns for Periods Ended December 31, 2022 • Percent (%)

	3 Years		5 Ye	ars	10 Ye	ars	20 Ye	20 Years	
Code	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real	
36	9.1	4.0	8.1	4.1	8.0	5.3	_	_	
37	7.5	2.4	6.1	2.3	6.9	4.2	7.6	5.0	
38	2.2	-2.6	3.6	-0.2	6.4	3.7	_	_	
39	7.0	2.0	5.6	1.8	6.4	3.7	5.9	3.4	
40	5.0	0.1	5.4	1.5	7.2	4.4	6.7	4.1	
41	2.1	-2.7	4.0	0.2	5.8	3.1	5.1	2.5	
42	12.2	6.9	10.3	6.2	9.7	6.9	_	_	
43	4.1	-0.7	5.4	1.5	6.7	4.0	7.1	4.5	
44	15.3	9.9	12.5	8.4	11.1	8.3	10.0	7.3	
45	5.9	0.9	5.4	1.6	6.3	3.6	_	_	
46	2.5	-2.3	4.0	0.2	5.7	3.0	_	_	
47	3.9	-0.9	5.0	1.2	5.9	3.2	_	_	
48	15.2	9.8	13.9	9.8	11.8	9.0	10.6	7.9	
49	6.9	1.9	6.8	2.9	7.1	4.4	8.3	5.7	
50	8.2	3.2	7.2	3.3	7.9	5.2	8.0	5.4	
51	5.0	0.0	4.9	1.1	6.4	3.7	7.9	5.3	
52	4.4	-0.5	_	_	_	_	_	_	
53	5.6	0.7	5.2	1.3	6.5	3.8	7.3	4.7	
54	4.5	-0.4	5.0	1.2	5.9	3.2	_	_	
55	7.5	2.4	7.2	3.3	8.8	6.0	8.3	5.6	
56	8.8	3.7	7.3	3.4	_	_	_	_	
57	5.3	0.4	6.1	2.3	7.0	4.3	7.4	4.8	
58	7.2	2.2	7.0	3.1	9.0	6.2	_	_	
59	5.0	0.1	5.4	1.6	6.1	3.4	5.7	3.1	
60	3.6	-1.2	4.8	1.0	6.0	3.3	7.3	4.7	
61	3.2	-1.6	5.1	1.2	6.1	3.4	_	_	
62	5.7	0.7	5.8	1.9	7.2	4.5	8.0	5.4	
63	8.7	3.6	8.0	4.1	8.0	5.3	7.2	4.6	
64	7.2	2.1	6.4	2.5	6.7	4.0	_	_	
65	6.6	1.6	6.1	2.3	6.6	3.9	_	_	
66	11.4	6.1	9.8	5.8	9.5	6.7	8.3	5.7	
67	5.4	0.5	5.8	2.0	6.7	4.0		_	
68	6.7	1.7	6.4	2.5	6.7	4.0	6.9	4.3	
69	3.7	-1.2	4.3	0.5	_	—	_	_	
70	6.1	1.1	6.4	2.5	8.0	5.2	7.7	5.1	
Mean	6.2	1.2	6.1	2.3	7.1	4.4	7.7	5.0	
Median	5.9	0.9	5.8	2.0	7.0	4.3	7.7	5.1	
n	106	106	104	104	97	97	67	67	

Source: Foundation data as reported to Cambridge Associates LLC.

Note: Real returns are adjusted for inflation as measured by the Consumer Price Index.



# FIGURE 6 TRAILING 3-, 5-, 10-, AND 20- YEAR TOTAL RETURNS BY INSTITUTION (cont)

Average Annual Compound Returns for Periods Ended December 31, 2022 • Percent (%)

	3 Ye	ars	5 Ye	ars	10 Ye	ars	20 Ye	ars
Code	Nominal	Real	Nominal	Real	Nominal	Real	Nominal	Real
71	7.4	2.4	7.6	3.7	7.5	4.8	7.6	4.9
72	8.1	3.0	6.8	2.9	7.3	4.6	8.1	5.5
73	1.2	-3.5	2.3	-1.4	4.7	2.1	_	_
74	5.5	0.5	5.2	1.4	6.7	4.0	7.0	4.4
75	5.1	0.1	5.2	1.4	7.6	4.9	8.2	5.6
76	6.6	1.6	5.7	1.9	6.9	4.2	7.6	5.0
77	11.4	6.2	10.0	6.0	10.6	7.8	_	_
78	5.2	0.3	5.0	1.2	6.2	3.5	6.9	4.3
79	2.6	-2.3	3.1	-0.7	_	_	_	_
80	-0.3	-5.0	1.3	-2.4	3.8	1.2	4.6	2.1
81	6.6	1.6	6.2	2.3	6.6	3.9	6.9	4.3
82	7.9	2.9	7.9	3.9	8.2	5.5	7.5	4.9
83	5.0	0.1	5.1	1.3	5.7	3.0	_	_
84	1.4	-3.3	2.5	-1.3	5.1	2.5	_	_
85	7.8	2.7	7.0	3.1	7.6	4.9	9.0	6.4
86	4.5	-0.4	4.8	1.0	6.5	3.8	7.9	5.3
87	3.1	-1.8	4.0	0.2	6.3	3.6	_	_
88	6.8	1.8	6.6	2.7	7.3	4.6	_	_
89	5.1	0.1	5.0	1.1	6.4	3.7	6.0	3.4
90	5.5	0.6	5.3	1.5	6.4	3.7	6.4	3.8
91	7.3	2.3	6.8	3.0	8.5	5.7	9.7	7.0
92	2.1	-2.7	3.0	-0.8	4.6	1.9	_	_
93	11.0	5.8	9.3	5.4	9.3	6.5	8.2	5.5
94	10.6	5.4	10.4	6.4	10.1	7.3	9.8	7.1
95	6.4	1.4	6.4	2.5	7.8	5.0	7.2	4.6
96	2.7	-2.1	3.7	0.0	_	_	_	_
97	4.5	-0.4	4.5	0.7	6.2	3.5	7.5	4.9
98	6.5	1.5	6.3	2.4	_	_	_	_
99	8.0	2.9	7.2	3.3	7.5	4.8	8.5	5.8
100	8.2	3.1	6.2	2.3	7.7	5.0	9.1	6.4
101	3.7	-1.2	3.5	-0.3	5.1	2.4	5.9	3.4
102	5.6	0.6	5.5	1.7	6.2	3.5	5.3	2.8
103	6.9	1.9	6.4	2.5	7.1	4.4	8.3	5.6
104	9.2	4.1	7.4	3.5	7.3	4.6	6.5	3.9
105	6.3	1.3	6.2	2.4	6.8	4.1	8.3	5.7
106	4.8	-0.1	5.2	1.3	6.1	3.4	6.7	4.1
vlean	6.2	1.2	6.1	2.3	7.1	4.4	7.7	5.0
vledian	5.9	0.9	5.8	2.0	7.0	4.3	7.7	5.1
)	106	106	104	104	97	97	67	67

Source: Foundation data as reported to Cambridge Associates LLC.

Note: Real returns are adjusted for inflation as measured by the Consumer Price Index.



### FIGURE 7 NOMINAL TOTAL RETURN, STANDARD DEVIATION, AND SHARPE RATIO BY INSTITUTION

Years Ended December 31, 2022

	5	Years (n = 102	.)	1	10 Years (n = 94)				
		Standard	Sharpe		Standard	Sharpe			
Code	AACR (%)	Dev (%)	Ratio	AACR (%)	Dev (%)	Ratio			
1	7.2	14.4	0.47	7.5	10.6	0.67			
2	5.8	14.5	0.37	7.0	10.9	0.61			
3	2.8	11.7	0.19	4.3	8.8	0.44			
4	9.2	20.9	0.45	8.6	15.0	0.57			
5	7.0	13.1	0.49	7.6	9.6	0.74			
6	3.9	16.2	0.24	4.6	11.9	0.38			
7	6.7	12.9	0.48	7.4	9.9	0.70			
8	6.9	15.9	0.42	8.1	11.8	0.66			
9	4.6	15.5	0.29	5.9	11.7	0.49			
10	9.1	11.1	0.74	9.8	8.4	1.07			
11	6.7	13.4	0.46	7.3	9.9	0.69			
12	9.0	13.7	0.61	8.5	10.2	0.78			
13	7.3	14.6	0.47	7.5	11.0	0.65			
14	6.8	13.7	0.46	7.3	10.4	0.66			
15									
16	4.8	14.3	0.31	6.0	10.7	0.53			
17	3.7	13.6	0.24	5.1	10.3	0.47			
18	12.0	16.5	0.69	11.0	11.9	0.88			
19	4.3	10.9	0.32	5.7	8.4	0.62			
20	6.6	13.9	0.44	7.0	10.4	0.63			
21									
22	4.7	10.1	0.38	7.5	8.2	0.84			
23									
24	3.3	15.2	0.20	6.1	11.3	0.51			
25	8.8	14.3	0.57	9.7	10.8	0.85			
26	3.4	13.7	0.22	5.4	10.3	0.49			
27	5.5	11.7	0.41	7.4	9.2	0.75			
28	5.2	13.9	0.34	6.3	10.7	0.55			
29	3.9	13.0	0.26	5.7	10.0	0.53			
30	8.7	14.9	0.55	8.5	11.1	0.73			
31	6.4	12.8	0.45	7.9	9.6	0.77			
32	4.3	16.6	0.26						
33	5.1	14.7	0.33						
34	8.1	14.2	0.54						
35	4.1	14.1	0.26	6.3	10.6	0.57			
5th Percentile	10.0	16.6	0.74	9.9	12.3	1.08			
25th Percentile	7.0	14.9	0.50	7.7	11.1	0.75			
Median	5.8	13.8	0.39	6.9	10.4	0.64			
75th Percentile	4.8	12.8	0.31	6.2	9.5	0.55			
95th Percentile	3.1	10.2	0.19	5.0	7.8	0.42			
Mean	6.1	13.7	0.42	7.1	10.2	0.67			
70/30 Benchmark	4.3	15.0	0.27	6.3	11.3	0.54			

Sources: Foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data are provided "as is" without any express or implied warranties.

Notes: The 70/30 benchmark is 70% MSCI All Country World Index and 30% Bloomberg Aggregate Bond Index. This exhibit includes only institutions that provided trailing quarterly returns.

#### FIGURE 7 NOMINAL TOTAL RETURN, STANDARD DEVIATION, AND SHARPE RATIO BY INSTITUTION (cont) Years Ended December 31, 2022

5	Years (n = 102	)		1	.0 Years (n = 94)
	Standard	Sharpe	_		Standard
AACR (%)	Dev (%)	Ratio	A	4ACR (%)	Dev (%)
8.1	12.1	0.60		8.0	9.3
6.1	10.6	0.50		6.9	8.1
3.6	11.4	0.25		6.4	8.4
5.6	13.3	0.38		6.4	10.0
5.4	13.6	0.36		7.2	10.2
4.0	13.0	0.27		5.8	9.9
10.3	10.2	0.89		9.7	7.6
5.4	12.4	0.38		6.7	9.3
12.5	13.6	0.85		11.1	10.2
5.4	14.1	0.36		6.3	10.9
4.0	13.3	0.27		5.7	10.1
5.0	14.2	0.33		5.9	10.7
13.9	9.9	1.26		11.8	7.2
6.8	10.2	0.58		7.1	7.7
7.2	13.1	0.50		7.9	9.8
4.9	13.8	0.32		6.4	10.5
5.2	14.5	0.33		6.5	10.8
5.0	15.0	0.31		5.9	11.5
7.2	15.0	0.45		8.8	11.2
7.3	15.1	0.46			
6.1	11.8	0.46		7.0	8.8
7.0	11.2	0.55		9.0	8.6
5.4	13.8	0.36		6.1	10.6
4.8	13.6	0.32		6.0	10.0
5.1	15.5	0.31		6.1	11.7
	AACR (%) 8.1 6.1 3.6 5.6 5.4 4.0 10.3 5.4 12.5 5.4 4.0 5.0 13.9 6.8 7.2 4.9  5.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0 7.2 5.0	Standard    AACR (%)  Dev (%)    8.1  12.1    6.1  10.6    3.6  11.4    5.6  13.3    5.4  13.6    4.0  13.0    10.3  10.2    5.4  12.4    12.5  13.6    5.4  12.4    12.5  13.6    5.4  14.1    4.0  13.3    5.0  14.2    13.9  9.9    6.8  10.2    7.2  13.1    4.9  13.8        5.2  14.5    5.0  15.0    7.2  15.0    7.3  15.1    6.1  11.8    7.0  11.2    5.4  13.8    4.8  13.6	AACR (%)Dev (%)Ratio8.112.10.606.110.60.503.611.40.255.613.30.385.413.60.364.013.00.2710.310.20.895.412.40.3812.513.60.855.414.10.364.013.30.275.014.20.3313.99.91.266.810.20.587.213.10.504.913.80.325.214.50.335.015.00.457.315.10.466.111.80.467.011.20.555.413.80.364.813.60.32	Standard  Sharpe    AACR (%)  Dev (%)  Ratio  A    8.1  12.1  0.60  6.1  10.6  0.50    3.6  11.4  0.25  5.6  13.3  0.38    5.4  13.6  0.36  4.0  13.0  0.27    10.3  10.2  0.89  5.4  12.4  0.38    12.5  13.6  0.85  5.4  14.1  0.36    4.0  13.3  0.27  0.33  0.27  0.33    5.4  12.4  0.38  0.27  0.35  0.4  0.36    4.0  13.3  0.27  0.50  0.4  0.36  0.27    5.0  14.2  0.33  0.27  0.31  0.32  0.33    13.9  9.9  1.26  0.58  0.32  0.32         0.33  0.31  0.32  0.33  0.31  0.32  0.33  0.31	Standard  Sharpe    AACR (%)  Dev (%)  Ratio  AACR (%)    8.1  12.1  0.60  8.0    6.1  10.6  0.50  6.9    3.6  11.4  0.25  6.4    5.6  13.3  0.38  6.4    5.6  13.0  0.27  5.8    10.3  10.2  0.89  9.7    5.4  12.4  0.38  6.7    12.5  13.6  0.85  11.1    5.4  12.4  0.38  6.7    12.5  13.6  0.85  11.1    5.4  12.4  0.33  5.9    13.3  0.27  5.7  5.0    5.0  14.2  0.33  5.9    13.9  9.9  1.26  11.8    6.8  10.2  0.58  7.1    7.2  13.1  0.50  7.9    4.9  13.8  0.32  6.4     <

14.6

14.6

15.9

14.7

9.4

14.0

13.1

14.4

11.0

16.6

14.9

13.8

12.8

10.2

13.7

15.0

0.37

0.52

0.39

0.39

0.92

0.39

0.44

0.28

0.50

0.74

0.50

0.39

0.31

0.19

0.42

0.27

5.8

8.0

6.4

6.1

9.8

5.8

6.4

4.3

6.4

10.0

7.0

5.8

4.8

3.1

6.1

4.3

Sources: Foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data are provided "as is" without any express or implied warranties. Notes: The 70/30 benchmark is 70% MSCI All Country World Index and 30% Bloomberg Aggregate Bond Index. This exhibit includes only institutions that provided

trailing quarterly returns.

62

63

64

65

66

67

68

69

70

5th Percentile

Median

Mean

25th Percentile

75th Percentile

95th Percentile

70/30 Benchmark

Sharpe

Ratio

0.80

0.78

0.69

0.60

0.66

0.55

1.17

0.67

1.02

0.55

0.53

0.52

1.50

0.84

0.76

0.57

0.57

0.49 0.75

0.73

0.96

0.54

0.56

0.50

0.62

0.70

0.55

0.56

1.26

0.60

0.64

0.88

1.08

0.75

0.64

0.55

0.42

0.67

0.54

---

---

---

11.0

10.8

11.8

11.4

6.8

10.5

9.8

8.3

12.3

11.1

10.4

9.5

7.8

10.2

11.3

--

7.2

8.0

6.7

6.6

9.5

6.7

6.7

---

8.0

9.9

7.7

6.9

6.2

5.0

7.1

6.3

#### FIGURE 7 NOMINAL TOTAL RETURN, STANDARD DEVIATION, AND SHARPE RATIO BY INSTITUTION (cont) Years Ended December 31, 2022

	5	Years (n = 102	)	10	Years (n = 94)
		Standard	Sharpe		Standard
Code	AACR (%)	Dev (%)	Ratio	AACR (%)	Dev (%)
71					9.5
	7.6	12.7 14.2	0.55	7.5	
72 73	6.8 2.3	14.2	0.45	7.3	11.1
73	5.2		0.14		12.0
74 75	5.2	13.8	0.35	6.7	10.6
		15.1	0.33		11.4
76	5.7	12.4	0.41	6.9	9.5
77	10.0	10.9	0.82	10.6	8.1
78	5.0	12.9	0.35	6.2	9.8
79	3.1	14.9	0.19		
80	1.3	14.3	0.07	3.8	10.7
81	6.2	14.9	0.39	6.6	11.2
82	7.9	13.4	0.54	8.2	10.1
83	5.1	14.7	0.33	5.7	11.1
84	2.5	15.5	0.15	5.1	11.4
85	7.0	11.1	0.56	7.6	8.3
86	4.8	16.6	0.29	6.5	12.5
87	4.0	17.5	0.23	6.3	12.8
88	6.6	15.9	0.40	7.3	11.7
89	5.0	11.9	0.36	6.4	9.0
90	5.3	12.9	0.37	6.4	9.9
91	6.8	10.5	0.56	8.5	7.8
92	3.0	16.5	0.18	4.6	12.2
93	9.3	12.8	0.67	9.3	9.4
94	10.4	16.3	0.61	10.1	11.9
95	6.4	17.2	0.37	7.8	12.9
96	3.7	17.0	0.23		
97	4.5	15.0	0.29	6.2	11.4
98	6.3	11.3	0.49		
99	7.2	13.3	0.50	7.5	10.0
100	6.2	7.9	0.64	7.7	6.3
101	3.5	16.2	0.21	5.1	12.3
102	5.5	13.4	0.37	6.2	10.2
103	6.4	14.3	0.42	7.1	10.5
104	7.4	13.4	0.51	7.3	10.2
105	6.2	11.8	0.47	6.8	9.0
100	 	12.0	0.25		40.5

70/30 Benchmark 4.3 15.0 0.27 6.3 11.3 0.54 Sources: Foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data are provided "as is" without any express or implied warranties.

0.35

0.74

0.50

0.39

0.31

0.19

0.42

6.1

9.9

7.7

6.9

6.2

5.0

7.1

10.5

12.3

11.1

10.4

9.5

7.8

10.2

0.55

1.08

0.75

0.64

0.55

0.42

0.67

13.6

16.6

14.9

13.8

12.8

10.2

13.7

5.2

10.0

7.0

5.8

4.8

3.1

6.1

Notes: The 70/30 benchmark is 70% MSCI All Country World Index and 30% Bloomberg Aggregate Bond Index. This exhibit includes only institutions that provided trailing quarterly returns.



106

5th Percentile

Median

Mean

25th Percentile

75th Percentile

95th Percentile

Sharpe Ratio 0.74 0.63 0.39 0.60 0.64 0.68 1.19 0.59 ---0.34 0.56 0.76 0.49 0.43 0.84 0.51 0.49 0.60 0.66 0.60 0.99 0.37 0.92 0.80 0.59 --0.52 ---0.70 1.11 0.41 0.57 0.65 0.67 0.70

#### FIGURE 8 MEAN ASSET ALLOCATION BY ASSET SIZE

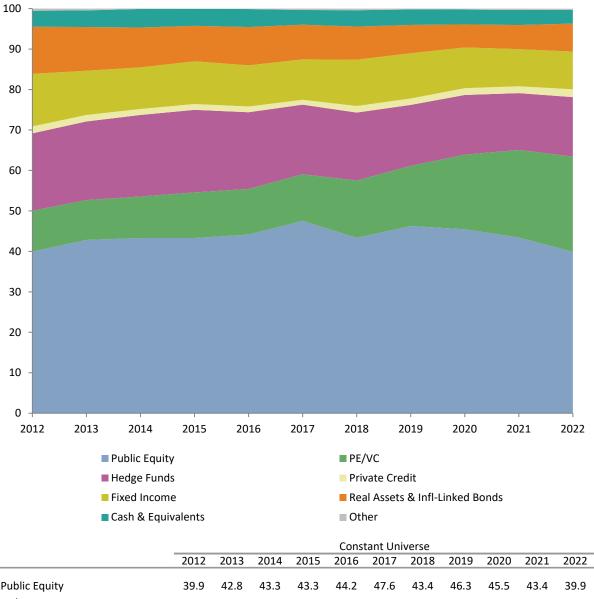
As of December 31, 2022 • Percent (%)

		Asset Size							
	All	Less Than	\$100M-	\$300M–	More Than				
	Foundations	\$100M	\$300M	\$1B	\$1B				
	(n = 106)	(n = 19)	(n = 31)	(n = 24)	(n = 32)				
Public Equity	41.3	49.1	44.4	41.8	33.4				
Global	9.3	10.3	11.7	7.3	7.9				
US	18.6	24.2	20.2	19.5	13.1				
Global ex US Developed	8.9	10.2	8.9	9.7	7.6				
Emerging Markets	4.5	4.3	3.6	5.2	4.9				
PE/VC	21.6	13.1	20.0	21.5	28.2				
Non-Venture Private Equity	8.3	3.4	6.4	8.4	13.0				
Venture Capital	10.0	5.4	8.2	9.9	14.5				
Other Private Investments	3.3	4.3	5.4	3.2	0.8				
Hedge Funds	14.7	13.8	15.8	12.3	16.0				
Long/Short	5.5	5.5	6.0	4.6	5.8				
Absolute Return	8.5	8.2	9.4	6.8	9.0				
Distressed	0.7	0.1	0.4	1.0	1.2				
Private Credit	2.0	1.1	1.4	2.3	2.8				
Distressed - Control Oriented	0.7	0.2	0.5	0.8	1.0				
Private Credit ex Distressed	1.3	0.9	0.9	1.4	1.8				
Fixed Income	9.6	14.2	10.2	10.0	6.0				
Global	0.4	0.7	0.5	0.2	0.2				
US	9.0	12.8	9.6	9.6	5.6				
Global ex US	0.0	0.0	0.0	0.0	0.1				
High-Yield Bonds	0.2	0.8	0.1	0.2	0.1				
Real Assets & ILBs	6.9	4.0	5.3	7.4	9.6				
Private Real Estate	2.5	1.1	1.0	3.1	4.5				
Public Real Estate	0.3	0.4	0.2	0.4	0.3				
Commodities	0.3	0.2	0.2	0.1	0.5				
Inflation-Linked Bonds	0.5	0.1	0.7	0.4	0.6				
Private O&G/Nat Resources	2.5	1.1	2.4	2.7	3.4				
Public Energy/Nat Resources	0.7	1.1	0.7	0.7	0.3				
Cash & Equivalents	3.5	3.8	2.8	4.2	3.5				
Other Assets	0.4	0.9	0.0	0.5	0.4				



#### FIGURE 9 HISTORICAL MEAN ASSET ALLOCATION TRENDS

Years Ended December 31 • Percent (%)



Public Equity	39.9	42.8	43.3	43.3	44.2	47.6	43.4	46.3	45.5	43.4	39.9
PE/VC	10.1	9.8	10.3	11.3	11.3	11.5	14.2	14.9	18.4	21.6	23.5
Hedge Funds	19.1	19.4	20.1	20.4	19.0	17.2	16.8	15.1	14.8	14.0	14.7
Private Credit	1.7	1.6	1.5	1.4	1.4	1.2	1.6	1.6	1.7	1.7	1.9
Fixed Income	13.0	10.9	10.3	10.6	10.2	10.0	11.4	11.2	10.1	9.2	9.3
Real Assets & Infl-Linked Bonds	11.6	10.8	9.9	8.8	9.5	8.6	8.2	7.0	5.7	6.0	6.9
Cash & Equivalents	3.9	4.1	4.6	4.2	4.5	3.6	4.0	3.8	3.7	3.7	3.4
Other	0.5	0.4	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.3	0.3

Source: Foundation data as reported to Cambridge Associates LLC.

Note: Analysis is based on a constant universe that includes 71 institutions that provided asset allocation data for each year from 2012 to 2022.

As of December 31, 2022 • Percent (%)

		Public Equity Pr			Priv Equi	ty & Ver	nture Cap		Hedge Fu	Private Credit		
			ex US	Emg	Non-Ven	Ven	Other	Long/	Abs	Distressed	Distressed	Credit
Code	Global	US	Dev Mkt	Mkt	Priv Eq	Сар	Priv Inv	Short	Return	HF	PI	ex Dist
1	4.8	16.0	6.5	3.9	15.1	21.2	0.5	8.7	7.4	1.2	0.6	0.6
2	9.3	17.7	7.3	6.3	15.2	7.9	2.0	4.3	6.2	3.5	1.7	0.6
3	5.0	34.6	18.8	4.4	3.6	1.4	2.3	1.4	7.5	0.0	0.2	0.0
4	22.6	5.1	0.0	3.7	2.6	25.8	0.0	0.0	13.5	7.2	3.5	0.0
5	8.5	9.0	10.4	4.0	13.2	16.0	2.5	3.4	12.3	0.0	0.5	0.4
6	41.9	4.7	0.0	0.0	3.7	6.7	4.6	22.0	12.9	0.1	0.2	0.6
7	1.7	15.5	5.6	4.7	14.3	7.7	5.7	2.2	6.0	0.0	1.6	1.2
8	4.3	21.3	8.9	7.2	11.2	17.6	3.6	0.0	0.0	0.0	0.0	3.5
9	9.3	30.8	11.1	3.7	8.2	2.5	4.2	0.0	7.9	2.2	0.6	1.6
10	0.0	2.4	4.5	3.8	15.0	27.8	1.1	1.7	23.8	0.0	0.0	0.0
11	15.3	18.9	5.4	2.2	6.1	15.5	11.6	4.0	1.0	0.0	0.4	0.5
12	8.7	10.7	7.1	2.0	19.4	14.6	2.4	7.6	7.8	1.5	2.6	1.6
13	8.2	20.9	9.2	4.2	9.4	13.2	1.3	3.9	10.0	0.3	1.0	1.9
14	5.2	13.3	5.4	1.6	22.2	7.8	13.0	2.9	5.3	0.0	1.6	0.8
15	2.1	9.2	6.2	5.0	14.0	14.6	0.0	6.8	12.1	2.9	0.0	0.0
16	15.4	19.7	9.2	3.1	5.1	6.2	5.1	9.3	9.5	2.1	2.5	0.3
17	20.2	20.3	11.6	5.5	1.0	4.3	2.4	1.0	11.8	0.0	0.0	0.7
18	1.0	8.1	3.2	1.2	23.4	31.9	0.0	5.0	3.5	0.0	0.3	0.6
19	5.1	12.7	4.8	4.6	8.5	11.4	7.5	10.5	7.9	3.5	0.0	2.1
20	17.7	10.9	10.8	7.6	5.8	8.0	3.8	8.7	8.3	1.1	0.0	0.0
21	35.3	20.2	0.0	0.0	1.0	20.6	0.3	8.8	0.0	0.0	0.0	3.1
22	0.0	43.0	21.1	6.9	1.9	0.0	0.6	0.0	0.0	0.0	0.0	0.0
23	0.0	53.2	15.2	3.8	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	12.8	7.5	1.9	15.2	3.6	18.8	0.4	0.2	0.0	0.1	0.0
25	27.8	11.4	2.0	2.4	14.5	17.8	0.0	15.2	4.5	0.0	1.1	0.0
26	25.2	10.8	11.7	4.6	5.8	7.0	2.9	5.4	2.9	0.0	0.3	1.5
27	8.8	14.9	13.2	2.5	11.9	3.0	4.4	1.4	9.1	1.9	0.0	8.7
28	15.9	17.9	5.9	4.2	3.5	6.9	14.6	0.0	11.1	0.2	0.0	0.7
29	5.7	19.7	6.4	6.8	0.0	0.0	0.0	6.4	20.2	0.0	0.0	0.0
30	0.0	17.5	8.7	5.8	14.0	12.0	0.0	0.0	9.9	0.0	4.3	0.0
31	4.3	15.3	10.7	11.1	14.6	8.5	0.0	8.6	2.2	1.3	0.0	0.0
32	7.6	11.3	13.6	14.3	30.1	2.5	0.0	5.9	0.0	0.0	0.0	0.0
33	11.6	26.0	13.0	4.9	5.3	2.4	3.9	6.6	6.8	0.0	0.8	0.3
34	0.9	11.2	10.9	3.4	12.7	12.4	2.0	15.5	15.4	1.5	2.2	3.3
35	0.0	27.9	18.0	3.8	7.1	0.0	0.0	2.5	8.3	2.8	0.0	0.0
High	41.9	61.7	24.6	14.9	30.1	45.5	24.5	27.1	23.8	7.2	4.3	10.7
Mean	9.3	18.6	8.9	4.5	8.3	10.0	3.3	5.5	8.5	0.7	0.7	1.3
Median	7.5	17.6	9.2	4.3	7.6	8.8	2.0	4.6	8.3	0.0	0.2	0.6
Low	0.0	-10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
n = 106	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

As of December 31, 2022 • Percent (%)

		Fixed	Income			Real As						
				High-	Real E	state		Infl-Link	Private	Public	Cash &	
Code	Global	US	ex US	Yield	Private	Public	Comm	Bonds	O&G/NR	Engy/NR	Equiv	Other
1	0.0	6.6	0.0	0.0	1.7	0.0	0.0	0.0	3.2	0.0	2.1	0.0
2	0.0	8.8	0.0	0.0	2.5	0.0	0.0	0.0	4.4	2.3	0.0	0.0
3	0.0	12.5	0.0	0.0	0.7	0.0	0.0	0.0	0.7	4.4	2.4	0.0
4	0.0	4.8	0.0	0.0	3.4	0.0	0.0	0.0	2.9	0.0	4.7	0.0
5	0.0	11.8	0.0	0.0	1.4	0.0	0.0	0.0	4.1	0.0	2.5	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.4	1.2
7	0.0	12.2	0.0	0.0	3.6	0.0	0.0	1.3	7.3	0.0	9.5	0.0
8	1.9	8.2	0.0	0.0	3.6	0.7	0.0	0.0	0.0	0.0	8.0	0.0
9	0.0	10.3	0.0	2.0	0.3	1.4	0.0	0.0	1.1	2.6	0.3	0.0
10	0.0	6.0	1.0	0.0	4.2	0.0	0.0	0.0	2.8	0.0	5.9	0.0
11	0.0	8.6	0.0	0.0	1.5	0.0	0.0	0.0	3.1	0.0	5.7	0.0
12	0.0	2.3	0.0	1.0	1.4	0.0	0.0	1.8	0.9	0.0	6.4	0.0
13	0.0	4.3	0.0	0.0	2.3	1.6	0.0	1.2	3.0	0.0	4.2	0.0
14	0.0	10.7	0.0	1.7	0.0	0.0	0.0	0.8	5.9	1.7	0.0	0.0
15	0.0	9.6	0.0	0.0	9.2	0.8	0.0	0.0	4.7	0.1	2.5	0.0
16	0.0	7.8	0.9	0.0	0.3	0.0	0.0	0.0	2.5	0.0	1.0	0.0
17	4.1	8.4	0.0	0.0	4.8	0.0	0.0	2.2	0.0	0.0	2.0	0.0
18	0.0	11.8	0.0	0.0	0.7	0.0	0.3	0.0	1.9	0.6	6.4	0.0
19	0.0	7.1	0.0	0.0	0.0	0.0	0.0	2.3	7.7	0.0	4.3	0.0
20	0.0	4.9	0.0	0.0	1.4	0.0	0.0	0.0	5.1	0.0	5.7	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0
22	0.0	6.5	0.5	0.7	0.0	0.0	2.2	0.0	0.2	0.0	16.4	0.0
23	7.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
24	0.0	15.0	0.0	0.0	10.5	0.0	0.0	0.0	2.6	0.0	11.2	0.0
25	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.7	0.0	0.8	0.0
26	0.0	15.2	0.0	0.0	1.3	0.0	0.0	2.1	1.4	0.0	1.9	0.0
27	3.2	2.6	0.0	0.0	4.0	0.0	0.0	0.0	0.0	6.0	4.3	0.0
28	0.0	11.8	0.0	0.0	0.0	0.0	0.0	2.9	3.2	0.0	1.1	0.0
29	0.0	22.6	0.0	0.0	0.0	0.0	1.5	0.0	0.0	8.1	2.6	0.0
30	0.0	9.8	0.0	0.0	3.9	0.0	0.0	0.0	4.7	0.0	9.3	0.0
31	0.0	9.7	0.0	0.0	7.0	1.0	0.0	0.0	3.0	0.0	2.7	0.0
32	0.0	0.0	0.0	0.0	2.2	0.6	0.0	0.0	0.0	0.0	6.2	5.6
33	0.0	10.8	0.0	0.0	0.0	0.0	0.0	4.9	0.4	0.0	2.2	0.0
34	0.0	1.0	0.0	0.0	3.1	0.0	0.0	0.0	3.8	1.7	-0.9	0.0
35	0.0	16.1	0.0	0.0	0.8	2.9	0.0	1.7	0.8	0.0	7.3	0.0
	12.0	20.4		42.2	22.0			6.4	0.1	0.4	22.4	
High	13.0	29.4	1.0	12.2	39.9	4.1	8.3	6.1	9.1	8.1	22.1	14.1
Mean	0.4	9.0	0.0	0.2	2.5	0.3	0.3	0.5	2.5	0.7	3.5	0.4
Median	0.0	9.5	0.0	0.0	1.4	0.0	0.0	0.0	2.0	0.0	2.3	0.0
Low	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-1.7
n = 106												

As of December 31, 2022 • Percent (%)

	Public Equity			Priv Equi	Priv Equity & Venture Cap			Hedge Fur	nds	Private Credit		
			ex US	Emg	Non-Ven	Ven	Other	Long/	Abs	Distressed	Distressed	Credit
Code	Global	US	Dev Mkt	Mkt	Priv Eq	Сар	Priv Inv	Short	Return	HF	PI	ex Dist
36	0.0	22.0	12.8	6.4	18.3	10.6	0.0	3.7	5.4	0.0	1.2	0.0
37	8.8	13.6	7.9	6.0	12.3	9.7	0.0	9.3	13.6	0.0	2.4	4.0
38	12.0	10.0	10.6	8.2	12.0	0.0	0.4	7.1	8.0	0.0	2.3	4.7
39	0.0	21.5	11.3	7.2	8.6	10.7	3.0	8.5	16.7	0.9	1.0	0.6
40	25.8	16.5	9.2	6.4	0.6	0.0	5.7	0.0	11.3	1.1	0.0	0.8
41	7.9	7.1	0.0	0.0	0.0	0.0	0.0	27.1	0.0	0.0	0.0	3.1
42	18.4	2.7	0.5	3.3	16.5	17.8	0.0	4.9	7.6	4.3	0.0	0.0
43	7.5	27.0	14.0	4.7	1.9	1.8	5.7	0.0	9.0	0.2	0.0	5.0
44	0.0	7.2	7.4	5.6	7.8	31.3	0.0	12.0	0.6	2.4	0.0	0.0
45	7.3	16.8	0.1	4.6	5.1	10.6	10.9	11.9	14.0	0.1	0.0	0.7
46	0.0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	10.1	22.4	7.7	5.9	5.0	1.3	4.5	4.5	16.7	0.0	0.5	1.9
48	0.5	-10.8	0.0	11.0	4.7	45.5	4.6	22.7	0.8	0.0	0.0	0.1
49	24.4	1.0	3.7	4.7	18.6	5.7	0.0	1.6	12.6	2.9	1.0	8.2
50	7.2	11.8	5.0	5.7	8.5	21.0	1.4	5.7	9.7	0.0	1.4	1.1
51	7.5	13.9	11.6	6.5	9.0	15.9	2.7	4.3	12.5	0.0	0.0	0.5
52	6.2	32.2	8.3	2.1	6.6	5.4	3.6	4.6	8.4	2.4	0.0	7.1
53	10.8	17.3	12.8	6.1	6.8	10.7	1.5	6.0	11.1	0.7	0.2	2.5
54	3.0	31.7	16.8	5.1	1.7	9.1	0.0	4.7	13.3	0.2	0.0	0.0
55	4.8	24.0	16.9	3.9	16.3	1.2	3.3	1.1	3.2	0.2	1.1	2.2
56	12.8	19.0	8.6	2.5	0.0	13.6	6.2	4.5	11.5	0.0	0.0	0.0
57	5.9	13.2	12.7	5.7	19.7	11.3	0.0	6.5	8.8	0.0	2.8	0.0
58	0.0	10.4	3.9	14.9	14.6	14.8	0.0	7.7	10.1	1.2	2.5	0.0
59	11.5	4.4	11.4	12.7	6.9	7.8	5.5	7.3	16.7	0.0	0.0	0.7
60	2.4	30.3	14.3	1.5	6.3	0.4	10.7	2.1	7.8	0.0	0.0	1.7
61	11.2	24.3	9.9	1.9	12.7	5.9	5.9	0.0	8.6	2.0	0.0	1.3
62	2.5	28.1	11.7	2.8	7.6	10.0	1.9	4.0	9.9	1.4	0.0	0.0
63	15.5	20.1	1.5	0.0	11.6	15.4	3.9	14.3	8.7	0.0	1.5	0.2
64	9.8	21.8	16.6	3.9	8.1	15.7	1.3	0.0	4.6	0.0	0.6	1.2
65	13.1	23.4	10.7	4.8	2.6	5.6	8.5	0.0	12.9	0.0	0.3	1.3
66	25.7	0.0	0.0	0.0	10.2	22.0	0.0	6.3	13.2	0.0	0.0	10.7
67	6.2	21.0	10.4	5.0	1.0	10.7	2.2	4.5	9.9	0.0	3.7	1.5
68	7.2	14.2	11.0	8.2	10.7	2.8	2.6	6.2	8.7	0.0	1.0	1.3
69	11.3	24.4	6.9	8.0	0.0	0.0	3.4	5.8	6.9	0.0	0.0	0.0
70	21.9	6.0	3.2	2.6	15.0	9.4	0.0	5.3	10.5	0.0	0.0	0.0
Llink	41.0	C1 7	24.0	14.0	20.4	45 5	245	27.4	22.0	7 0	4.5	10 7
High	41.9	61.7	24.6	14.9	30.1	45.5	24.5	27.1	23.8	7.2	4.3	10.7
Mean	9.3	18.6	8.9	4.5	8.3	10.0	3.3	5.5	8.5	0.7	0.7	1.3
Median	7.5	17.6	9.2	4.3	7.6	8.8	2.0	4.6	8.3	0.0	0.2	0.6
Low	0.0	-10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
n = 106												

As of December 31, 2022 • Percent (%)

	Fixed Income Real Assets & Inflation-Linke							ed Bonds				
				High-	Real E	state	_	Infl-Link	Private	Public	Cash &	
Code	Global	US	ex US	Yield	Private	Public	Comm	Bonds	O&G/NR	Engy/NR	Equiv	Other
36	0.0	8.1	0.0	1.9	5.6	0.0	0.0	0.0	3.7	0.0	0.4	0.0
37	0.0	2.9	0.0	0.0	5.4	0.0	0.0	0.0	3.2	0.0	0.9	0.0
38	0.0	10.8	0.0	0.0	13.0	0.0	0.0	0.0	1.7	0.0	1.0	-1.7
39	0.0	2.5	0.0	0.0	0.9	0.0	0.0	0.0	0.7	0.0	5.9	0.0
40	2.4	13.3	0.0	0.0	3.9	0.0	0.0	0.0	1.7	0.0	1.3	0.0
41	0.0	6.4	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	22.1	14.1
42	0.0	8.9	0.0	0.0	4.2	0.9	0.0	0.0	6.4	2.0	1.5	0.0
43	0.0	8.5	0.0	0.0	9.6	1.1	0.0	0.0	0.0	0.0	3.8	0.0
44	0.0	2.3	0.9	0.0	4.0	1.4	8.3	1.1	7.4	0.0	0.0	0.0
45	0.0	14.4	0.0	0.0	0.5	0.0	0.0	0.0	1.6	0.0	1.4	0.0
46	0.0	29.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0
47	0.0	13.6	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	3.4	0.0
48	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.5	0.0	16.0	0.0
49	0.0	6.7	0.0	0.0	4.9	0.0	0.0	0.0	1.1	0.0	2.2	0.7
50	0.0	11.3	0.0	0.0	1.0	0.0	0.0	4.0	5.3	0.0	-0.2	0.0
51	0.0	12.7	0.0	0.0	1.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0
52	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
53	0.0	9.8	0.0	0.0	0.3	0.0	0.0	0.0	2.8	0.0	0.7	0.0
54	0.0	9.7	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	3.9	0.0
55	3.5	9.6	0.0	0.0	1.6	0.0	0.0	3.2	2.5	0.0	1.4	0.0
56	0.0	13.5	0.0	0.0	0.0	0.0	2.5	2.3	0.9	0.0	2.1	0.0
57	0.0	5.2	0.0	0.0	2.1	0.0	0.0	0.0	4.1	0.0	2.0	0.0
58	0.0	5.8	0.0	0.0	5.7	0.0	0.0	0.0	6.9	0.0	1.7	0.0
59	0.0	5.4	0.0	0.0	0.9	0.0	0.0	4.1	3.5	0.0	1.3	0.0
60	0.0	10.1	0.0	0.0	0.0	0.0	0.0	1.2	4.2	1.8	5.2	0.0
61	0.0	9.4	0.0	2.2	0.0	1.1	0.0	0.0	0.0	1.9	1.6	0.0
62	0.0	10.5	0.0	0.0	0.1	0.0	0.0	0.0	3.9	3.1	2.4	0.0
63	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
64	0.7	3.3	0.0	1.3	0.1	0.0	1.2	0.0	0.6	6.7	2.4	0.0
65	0.0	12.5	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	2.7	0.0
66	0.0	3.3	0.0	0.0	2.9	0.0	0.0	0.0	2.1	0.0	3.6	0.0
67	0.0	10.6	0.0	0.0	3.4	0.6	0.0	0.0	5.4	1.1	2.9	0.0
68	0.0	11.0	0.0	0.0	2.6	1.9	0.0	0.0	4.0	1.3	5.4	0.0
69	0.0	15.8	0.0	0.0	0.0	3.9	0.0	0.0	2.3	6.6	4.6	0.0
70	0.0	6.9	0.0	0.0	9.2	0.0	0.0	0.0	9.1	0.0	0.8	0.0
High	12.0	20.4	1.0	12.2	20.0	<u>л</u> 1	0 0	6.1	9.1	8.1	22.1	14.1
High Moon	13.0	29.4	1.0	12.2	39.9 2 F	4.1	8.3					
Mean Median	0.4	9.0 0.5	0.0	0.2	2.5	0.3	0.3	0.5	2.5	0.7	3.5	0.4
Median	0.0	9.5	0.0	0.0	1.4	0.0	0.0	0.0	2.0	0.0	2.3	0.0
Low	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-1.7
n = 106												

As of December 31, 2022 • Percent (%)

		Public Equity Priv Equity & Venture Cap Hedge Funds				nds	Private Credit					
			ex US	Emg	Non-Ven	Ven	Other	Long/	Abs	Distressed	Distressed	Credit
Code	Global	US	Dev Mkt	Mkt	Priv Eq	Сар	Priv Inv	Short	Return	HF	PI	ex Dist
71	1.7	17.1	7.6	1.5	11.2	19.6	1.0	1.2	6.9	1.8	0.1	0.2
72	2.4	18.3	12.6	4.4	13.1	4.2	4.9	2.1	7.7	0.0	2.0	1.6
73	5.2	29.3	20.7	6.8	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.0
74	6.7	20.6	16.5	6.2	8.3	10.0	0.7	5.1	13.0	2.8	0.7	1.7
75	0.0	23.6	24.6	10.1	0.8	3.7	1.7	10.7	3.1	0.0	0.0	0.0
76	0.0	24.3	14.2	5.9	5.4	13.2	5.2	2.1	0.0	0.0	1.4	0.2
77	0.0	8.3	6.0	4.5	4.5	30.5	1.0	4.8	13.9	0.1	0.0	0.0
78	12.8	21.3	6.3	1.7	7.5	7.1	3.0	9.3	15.0	0.4	1.0	0.0
79	17.6	25.6	16.1	5.9	1.0	0.6	0.2	3.6	5.1	0.0	0.4	0.0
80	6.6	16.9	16.0	6.4	0.0	0.0	0.0	6.3	23.5	0.1	0.0	4.5
81	8.4	20.5	11.8	2.8	7.1	10.3	3.0	0.0	16.4	0.3	0.2	0.4
82	4.1	20.6	6.5	1.2	9.5	19.8	2.9	2.4	7.7	0.0	0.5	4.0
83	20.7	10.1	0.0	0.0	17.7	11.6	1.5	18.0	4.5	2.1	0.0	1.4
84	1.0	47.9	12.1	4.4	0.6	1.2	0.6	3.9	12.5	0.0	0.0	1.4
85	5.3	12.4	7.1	1.0	16.2	12.7	4.4	4.0	4.2	0.0	0.6	2.5
86	18.4	29.2	10.4	5.2	6.0	2.9	1.7	5.8	7.3	0.0	1.0	0.0
87	0.0	41.9	18.1	4.8	0.0	0.0	0.0	12.6	3.7	0.0	0.0	0.0
88	2.9	42.1	10.7	8.2	13.8	0.0	0.0	4.6	0.9	0.0	0.0	0.0
89	20.1	2.6	11.4	4.0	5.1	9.8	9.5	2.5	10.3	0.0	0.2	0.6
90	8.1	15.5	6.6	4.1	4.0	4.5	9.5	3.4	3.5	3.0	0.0	4.7
91	28.3	0.0	0.0	0.0	8.8	16.3	1.4	6.8	19.3	2.0	0.0	0.0
92	29.4	23.6	10.4	7.6	0.0	0.0	0.0	4.8	1.3	0.0	0.0	0.0
93	7.6	25.2	0.0	3.7	5.0	25.8	0.0	7.1	8.5	0.0	1.6	2.4
94	9.5	4.5	2.3	5.0	19.6	24.2	0.1	9.8	6.7	0.0	1.9	0.0
95	15.9	25.2	6.4	0.3	3.5	8.3	8.3	1.3	2.8	0.0	0.7	0.2
96	5.4	60.6	13.3	2.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0
97	10.5	15.0	11.0	2.8	0.1	9.3	4.7	5.7	12.8	0.0	0.4	0.3
98	3.4	7.2	3.0	1.3	10.7	10.8	1.3	3.4	5.5	2.1	1.9	1.9
99	7.9	10.5	12.4	2.2	4.4	16.2	7.2	9.3	6.6	0.0	2.2	1.5
100	0.0	10.6	9.6	11.5	9.5	16.2	0.0	0.1	10.1	4.3	1.1	1.9
101	12.5	36.9	7.1	1.9	1.2	4.8	0.5	0.0	6.8	1.2	0.0	0.0
102	1.7	24.0	14.6	5.0	1.6	0.8	24.5	0.0	10.5	0.0	0.0	0.0
103	0.6	28.3	11.3	3.8	7.2	6.3	5.5	2.7	21.1	0.0	0.7	2.6
104	27.1	1.8	0.0	0.0	12.9	25.9	9.6	7.8	3.6	0.0	0.5	1.9
105	5.6	8.5	3.4	2.9	10.5	6.5	16.7	17.9	9.7	0.6	0.5	3.7
106	11.3	19.1	11.0	3.5	2.7	11.6	1.0	11.4	8.1	0.9	0.0	1.2
High	41.9	61.7	24.6	14.9	30.1	45.5	24.5	27.1	23.8	7.2	4.3	10.7
Mean	9.3	18.6	8.9	4.5	8.3	10.0	3.3	5.5	8.5	0.7	0.7	1.3
Median	7.5	17.6	9.2	4.3	7.6	8.8	2.0	4.6	8.3	0.0	0.2	0.6
Low	0.0	-10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
n = 106	-	-	-	-	-	-	-		-			

As of December 31, 2022 • Percent (%)

								ation-Linke				
				High-	Real E	state		Infl-Link		Public	Cash &	
Code	Global	US	ex US	Yield	Private	Public	Comm	Bonds	O&G/NR	Engy/NR	Equiv	Other
71	0.0	17.2	0.0	0.0	0.5	0.9	0.0	3.4	5.4	1.2	1.3	0.2
72	0.0	12.1	0.0	0.0	3.3	1.7	0.0	0.0	6.0	2.5	1.2	0.0
73	0.0	14.2	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	2.6	0.0
74	0.0	3.7	0.0	0.0	0.3	0.0	0.0	0.0	1.2	0.0	2.4	0.0
75	0.0	11.2	0.0	0.0	7.1	1.4	0.0	0.0	0.9	0.0	1.0	0.0
76	0.0	15.4	0.0	0.0	3.7	0.0	0.0	0.0	8.9	0.0	0.0	0.0
77	1.0	2.7	0.0	0.0	1.9	1.7	1.7	6.1	5.8	0.0	5.5	0.0
78	0.0	6.4	0.0	0.0	0.0	0.0	5.0	0.0	1.1	0.0	2.1	0.0
79	0.0	15.7	0.0	0.0	0.9	0.0	0.0	0.0	0.4	5.1	1.7	0.0
80	0.0	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0
81	0.0	10.0	0.0	0.0	4.7	0.0	0.0	0.0	4.3	0.0	0.0	0.0
82	1.9	4.5	0.0	0.0	3.0	0.0	0.0	1.8	6.2	0.0	3.4	0.1
83	0.0	10.1	0.0	0.0	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0
84	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
85	0.0	19.2	0.0	0.0	1.4	0.0	2.4	2.0	3.0	0.0	1.4	0.0
86	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.6	2.0	0.0
87	13.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
88	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
89	0.0	12.1	0.0	0.0	3.3	0.0	0.0	0.0	5.1	2.7	0.8	0.0
90	0.0	9.2	0.0	0.0	6.9	0.0	0.0	1.7	1.2	0.0	11.9	2.1
91	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	9.0	0.0	1.0	0.0
92	0.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0
93	0.0	3.6	0.0	0.0	1.2	0.0	0.0	0.0	2.7	0.0	2.9	2.6
94	0.0	3.6	0.0	0.0	2.1	0.0	0.0	0.0	2.2	0.0	8.5	0.0
95	0.0	10.2	0.0	0.0	3.1	0.0	0.0	0.0	0.7	3.2	9.9	0.0
96	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.2
97	0.0	8.0	0.0	0.0	0.3	4.1	0.0	0.9	1.8	1.7	10.5	0.0
98	0.0	2.1	0.0	0.0	39.9	0.0	0.0	0.0	3.7	0.0	1.9	0.0
99	0.0	11.1	0.0	0.0	0.4	0.0	0.0	0.0	3.9	0.9	3.2	0.0
100	0.0	0.9	0.0	2.0	6.9	0.0	4.3	0.0	5.4	0.0	2.9	2.8
101	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	11.4
102	0.0	13.2	0.0	0.0	2.1	0.0	0.0	0.0	0.8	0.0	1.2	0.0
103	0.0	5.0	0.0	0.0	0.4	1.0	0.0	0.0	0.8	0.0	2.9	0.0
104	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	1.7	0.0
105	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	4.9	0.0	6.8	0.0
106	0.0	12.7	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	4.1	0.0
High	13.0	29.4	1.0	12.2	39.9	4.1	8.3	6.1	9.1	8.1	22.1	14.1
Mean	0.4	9.0	0.0	0.2	2.5	0.3	0.3	0.5	2.5	0.7	3.5	0.4
Median	0.0	9.5	0.0	0.0	1.4	0.0	0.0	0.0	2.0	0.0	2.3	0.0
Low	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-1.7
n = 106												

#### PARTICIPANTS

Albany Foundation Archstone Foundation Arkansas Community Foundation Atherton Family Foundation Marion and Henry Bloch Family Foundation The Herb Block Foundation **Buena Vista Foundation** The California Endowment California Wellness Foundation Carnegie Corporation of New York The Annie E. Casey Foundation The Clarence T.C. Ching Foundation Community Funds, Inc. Connecticut Health Foundation, Inc. The Dana Foundation De Beaumont Foundation Dogwood Health Trust Gaylord and Dorothy Donnelley Foundation The Duke Endowment Alfred I. duPont Testamentary Trust Emily Hall Tremaine Foundation The Enfranchisement Foundation The Erie Community Foundation Sherman Fairchild Foundation Fetzer Institute Five Rings Family Foundation The Flinn Foundation The Ford Family Foundation Bill and Melinda Gates Foundation Trust The Gerber Foundation **GHR** Foundation Gidwitz Memorial Foundation Eugene & Marilyn Glick Family Foundation John T. Gorman Foundation Grantham Foundation for the Protection of the Environment William Caspar Graustein Memorial Fund The Heinz Endowments Clarence E. Heller Charitable Foundation The Highland Street Foundation Conrad N. Hilton Foundation The H & R Block Foundation The Hyams Foundation Inasmuch Foundation InFaith Community Foundation The Robert Wood Johnson Foundation The Fletcher Jones Foundation The Joyce Foundation Ewing Marion Kauffman Foundation Anna-Maria and Stephen Kellen Foundation W.K. Kellogg Foundation Trust Kleberg Foundation John S. and James L. Knight Foundation The Kresge Foundation Leaves of Grass Foundation John and Catherine MacArthur Foundation The Alexander M. and June L. Maisin Foundation Mathile Family Foundation The Marshall L. and Perrine D. McCune Charitable Foundation McGregor Fund The Andrew W. Mellon Foundation Eugene and Agnes E. Meyer Foundation Meyer Memorial Trust Milbank Memorial Fund Montana Community Foundation

The Gordon & Betty Moore Foundation Moorings Capital LLC Mother Cabrini Health Foundation **Charles Stewart Mott Foundation** The Mt. Cuba Center Inc. The Dan Murphy Foundation National Endowment for Financial Education New Hampshire Charitable Foundation Greater New Orleans Foundation New York State Health Foundation **Orange County Community Foundation** The Oregon Community Foundation The David and Lucile Packard Foundation The Ralph M. Parsons Foundation Virginia G. Piper Charitable Trust Public Welfare Foundation Nina Mason Pulliam Charitable Trust The Queen Lili'uokalani Trust **Rainwater Charitable Foundation Regenstrief Foundation** The Rockefeller Foundation **Rocky Road Foundations** Saint Luke's Foundation The Scherman Foundation Inc. The Skoll Foundation Alfred P. Sloan Foundation The Sontag Foundation Square One Foundation The Starr Foundation The Steelcase Foundation Steele Foundation W. Clement & Jessie Stone Foundation Surdna Foundation Inc. Communities Foundation of Texas The Wallace Foundation The Harry and Jeanette Weinberg Foundation, Inc. Weingart Foundation Welborn Baptist Foundation The Robert A. Welch Foundation Wenner-Gren Foundation Winthrop Rockefeller Foundation Zellerbach Family Foundation



Copyright © 2023 by Cambridge Associates LLC. All rights reserved.

This report may not be displayed, reproduced, distributed, transmitted, or used to create derivative works in any form, in whole or in portion, by any means, without written permission from Cambridge Associates LLC ("CA"). Copying of this publication is a violation of US and global copyright laws (e.g., 17 U.S.C. 101 et seq.). Violators of this copyright may be subject to liability for substantial monetary damages.

This report is provided for informational purposes only. The information does not represent investment advice or recommendations, nor does it constitute an offer to sell or a solicitation of an offer to buy any securities. Any references to specific investments are for illustrative purposes only. The information herein does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Information in this report or on which the information is based may be based on publicly available data. CA considers such data reliable but does not represent it as accurate, complete, or independently verified, and it should not be relied on as such. Nothing contained in this report should be construed as the provision of tax, accounting, or legal advice. PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE PERFORMANCE. Broad-based securities indexes are unmanaged and are not subject to fees and expenses typically associated with managed accounts or investment funds. Investments cannot be made directly in an index. Any information or opinions provided in this report are as of the date of the report, and CA is under no obligation to update the information or communicate that any updates have been made. Information contained herein may have been independently verified.

The terms "CA" or "Cambridge Associates" may refer to any one or more CA entity including: Cambridge Associates, LLC (a registered investment adviser with the US Securities and Exchange Commission, a Commodity Trading Adviser registered with the US Commodity Futures Trading Commission and National Futures Association, and a Massachusetts limited liability company with offices in Arlington, VA; Boston, MA; Dallas, TX; Menlo Park, CA, New York, NY; and San Francisco, CA), Cambridge Associates Limited (a registered limited company in England and Wales, No. 06135829, that is authorized and regulated by the UK Financial Conduct Authority in the conduct of Investment Business, reference number: 474331); Cambridge Associates GmbH (authorized and regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht ('BaFin'), Identification Number: 155510), Cambridge Associates Asia Pte Ltd (a Singapore corporation, registration No. 200101063G, which holds a Capital Market Services License to conduct Fund Management for Accredited and/or Institutional Investors only by the Monetary Authority of Singapore), Cambridge Associates Limited, LLC (a registered investment adviser with the US Securities and Exchange Commission, an Exempt Market Dealer and Portfolio Manager in the Canadian provinces of Alberta, British Columbia, Manitoba, Newfoundland and Labrador, Nova Scotia, Ontario, Québec, and Saskatchewan, and a Massachusetts limited liability company with a branch office in Sydney, Australia, ARBN 109 366 654), Cambridge Associates Investment Consultancy (Beijing) Ltd (a wholly owned subsidiary of Cambridge Associates, LLC which is registered with the Beijing Administration for Industry and Commerce, registration No. 110000450174972), and Cambridge Associates (Hong Kong) Private Limited (a Hong Kong Private Limited Company licensed by the Securities and Futures Commission of Hong Kong to conduct the regulated activity of advising on securities to professional investors).

