

4TH QUARTER • 2020

ENDOWMENTS QUARTERLY

A LOOK AT ASSET ALLOCATION AND TOTAL RETURNS FOR US ENDOWMENTS AND FOUNDATIONS

TRAILING ONE-YEAR RESULTS

The median return of the endowment and foundation universe was 12.2% for the trailing one-year period (Figure 1). Returns for the middle half of the universe ranged from 14.2% at the 25th percentile to 10.0% at the 75th percentile. The 5th percentile return at the top end of the universe was 19.3%, while the 95th percentile at the bottom of the universe was 6.6%.

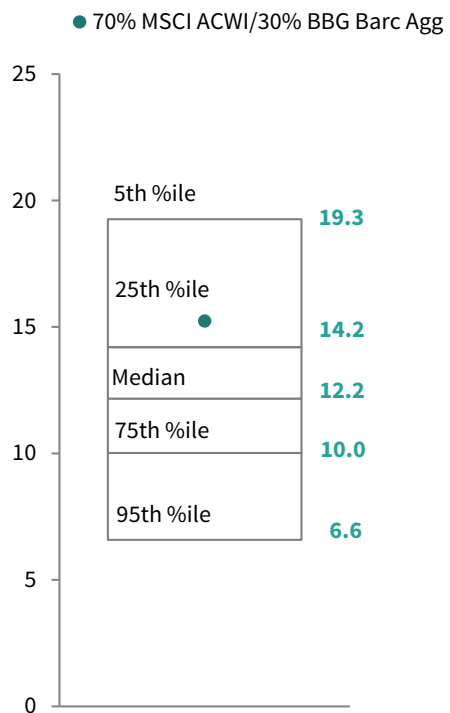
PRIVATE INVESTMENT REPORTING METHODOLOGIES.

The reporting methodologies for private investments are an important factor to consider when comparing peer returns for the trailing one-year period. Most study participants (68%) reported their trailing one-year private investment returns on a partial basis. Under this method, only three quarters of private returns are incorporated for the one-year period. As December 31 valuations become available, fourth quarter 2020 returns will be restated to reflect actual private performance (Figure 2).

Other institutions incorporate four quarters of private performance into their trailing one-year return, although the exact method and timing can vary. Under the lagged basis, which was cited by 17% of participants, private valuations are perpetually lagged by one quarter so that the one-year return represents private investment performance from October 1, 2019, to September 30, 2020. In contrast, under the current basis, the four quarters of private investment performance reflected are from January 1, 2020, to December 31, 2020. Just 4% of institutions use the current method, and they often rely on estimated valuations to reflect private performance for the most recent quarter ending December 31.

FIGURE 1 NOMINAL TRAILING ONE-YEAR RETURNS

Period Ended December 31, 2020 • Percent (%) • n = 386

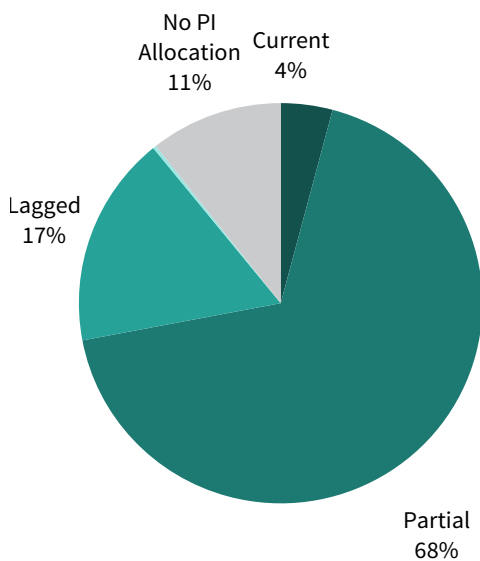


Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data provided "as is" without any express or implied warranties.

FIGURE 2 PERFORMANCE REPORTING METHODOLOGIES: US ENDOWMENTS AND FOUNDATIONS

As of December 31, 2020

Performance Reporting Methodology



By Asset Size

	Current Basis	Partial Basis	Lagged Basis	Other	No PI Allocation
Less than \$100M	-	60%	-	-	40%
<i>n</i>		41			27
\$100M – \$200M	-	90%	-	-	10%
<i>n</i>		61			7
\$200M – \$500M	-	91%	2%	-	6%
<i>n</i>		74	2		5
\$500M – \$1B	8%	75%	17%	-	-
<i>n</i>	4	39	9		
More than \$1B	10%	40%	47%	1%	2%
<i>n</i>	12	47	55	1	2

Source: Endowment and foundation data as reported to Cambridge Associates LLC.

Performance for fourth quarter 2019, which is only included under the lagged basis, was positive for all private investment strategies except for natural resources (Figure 3). Strong returns for public equities during fourth quarter 2020 likely foreshadow positive performance for private investments during this period. Both the lagged basis and current basis, which have an extra quarter of private investment performance that is positive, would produce a better return for a portfolio relative to the partial basis calculation for the one-year period as of December 31.

FIGURE 3 CAMBRIDGE ASSOCIATES PRIVATE INVESTMENT INDEX RETURNS

	One Quarter End-to-End Pooled Return (%)				
	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Q4 2020
US Private Equity	5.0	-8.1	10.6	11.8	NA
Global ex US Private Equity	7.1	-10.0	9.5	10.2	NA
US Venture Capital	5.8	-2.8	9.4	12.2	NA
Global ex US Venture Capital	7.3	-2.2	17.1	8.4	NA
Real Estate	3.7	-6.9	0.8	3.6	NA
Natural Resources	-2.4	-22.1	3.7	1.1	NA

Legend: Lagged Basis Partial Basis

Source: Cambridge Associates LLC.
Note: NA indicates data were not available.

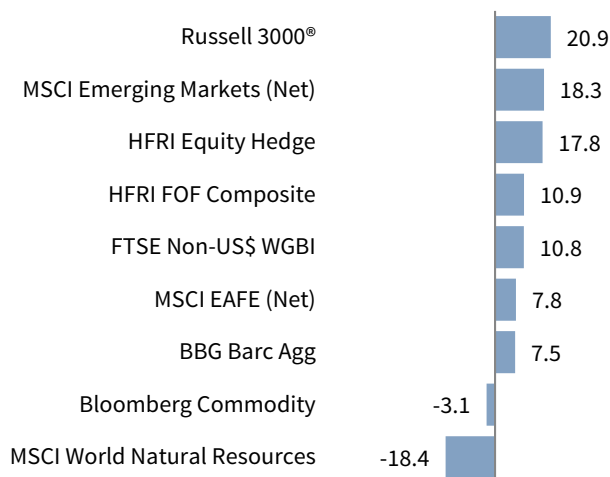
ONE-YEAR ASSET ALLOCATION. Figure 4 explores the relationship between the returns and asset allocations of participating institutions. For this analysis, each institution's asset allocation was averaged across the beginning and ending points for the trailing one-year period. The four quartiles in the heat map table represent the average of the institutions within each quartile.

The index returns in the top half of Figure 4 provide context on the capital market environment for the trailing one-year period. Private investment indexes are pooled horizon internal rates of return (IRRs) net of fees, expenses, and carried interest, and public indexes are time-weighted returns. Included alongside the private benchmark IRRs are public market returns on a modified public market equivalent basis (mPME). The CA mPME replicates private investment performance under public market

FIGURE 4 1-YR INDEX RETURNS AND ASSET ALLOCATION OF TOP AND BOTTOM PERFORMERS: US ENDOWMENTS AND FOUNDATIONS

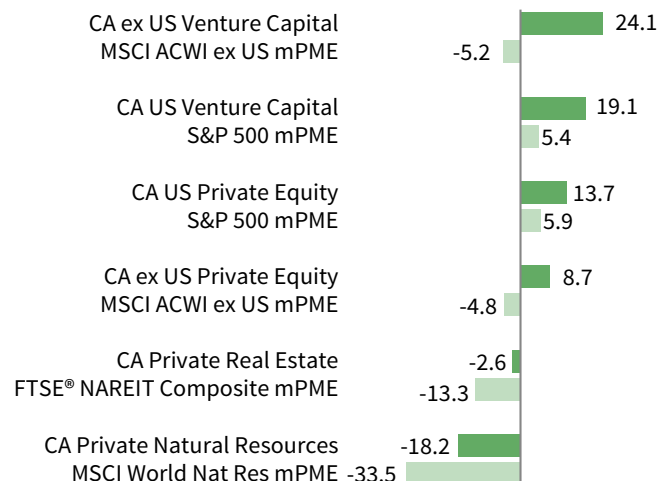
Public Indexes

Trailing 1 Year as of 12/31/20



Private Index IRRs and mPME IRRs

Trailing 9 Months as of 9/30/20

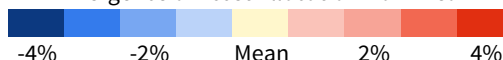


Mean Asset Allocation by Performance Quartile: December 31, 2019 to December 31, 2020

n = 380

Quartile	US Equity	DM ex US Eqty	EM Equity	Bonds	Hedge Funds	Dist Sec	PE/VC	Priv RA	Pub RA & ILBs	Cash	Other
Top Quartile	24.1	15.0	7.8	8.9	17.6	2.3	14.8	3.7	1.8	3.5	0.5
2nd Quartile	26.0	16.6	7.4	9.9	17.9	2.2	10.2	3.4	2.1	4.1	0.3
3rd Quartile	26.3	15.6	7.4	10.8	15.1	2.6	11.0	4.0	2.6	4.1	0.5
Bottom Quartile	24.4	15.1	6.9	12.6	13.5	3.0	10.7	4.6	3.7	4.5	1.0
E&F Universe Mean	25.2	15.6	7.4	10.6	16.0	2.5	11.7	3.9	2.6	4.0	0.6

Divergence of Asset Allocation from Mean



Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited, Cambridge Associates LLC, Frank Russell Company, FTSE International Limited, Hedge Fund Research, Inc., MSCI Inc., the National Association of Real Estate Investment Trusts, Standard & Poor's, and Thomson Reuters Datastream. MSCI data provided "as is" without any express or implied warranties.

conditions and allows for an appropriate comparison of private and public market returns. The mPME analysis evaluates what return would have been earned had the dollars invested in private investments been invested in the public market index instead. With data currently unavailable for fourth quarter 2020, the period evaluated for the private investment and mPME indexes is for the trailing nine months ended September 30, 2020.

The time-weighted returns for the public indexes in Figure 4 are evaluated for the full trailing one-year period. Global equities earned strong returns in fourth quarter 2020 and the aforementioned private investment and mPME indexes do not capture that fourth quarter activity. Hence, there is a noticeable difference in the public equity index returns between the two figures.

The differential between the average asset allocations of the four quartiles of performers was not as stark compared to prior periods for which we have performed this analysis. The greatest difference was within hedge funds and private equity/venture capital (PE/VC), where the average allocation of the top performance quartile in both categories was 4.1 percentage points (ppts) higher than that of the bottom performance quartile. As fourth quarter private investment valuations are captured for those institutions that restate their performance, the differential in PE/VC allocations between the top and bottom quartile of performers should expand.

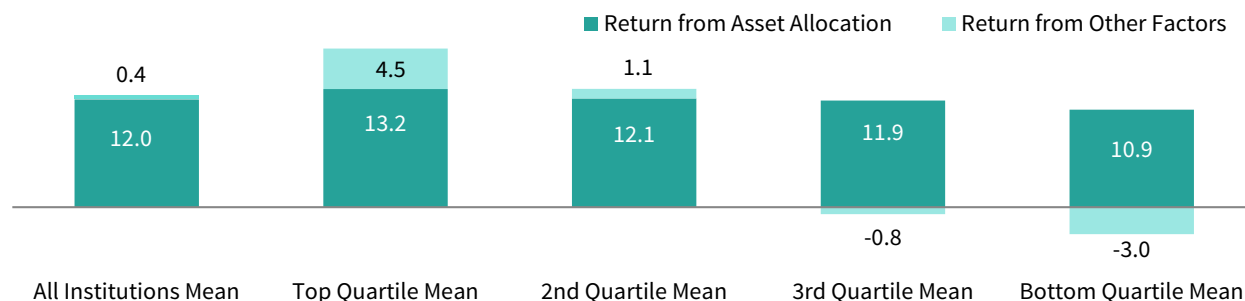
ONE-YEAR ATTRIBUTION. Although asset allocation is a key driver of absolute performance, it does not fully explain the variation of returns that are reported across different institutions. The execution or implementation of an asset allocation strategy also contribute to the total returns that portfolios earn. Our data allow us to conduct an estimated attribution analysis that can help illuminate the main drivers of performance for the trailing one-year period and how the experiences of top and bottom performers diverge.

Figure 5 illustrates the results of the attribution analysis for the trailing one-year period based on 380 endowments and foundations that provided sufficient data. For each participating institution, we have calculated a blend of representative asset class indexes that is weighted according to their beginning year asset allocation. This is the amount of return that can be explained by the institution's asset allocation heading into the one-year period. The portion of return that comes from other factors is calculated by subtracting the asset allocation return from the actual total return that the institution earned. This "other" portion of returns is partially driven by implementation or execution decisions, which can include active management and manager selection. In addition, this other portion of return will account for any decision to modify the asset allocation structure or rebalance the portfolio allocations throughout the course of the one-year period. The attribution analysis estimates the average portfolio generated an asset allocation return of 12.0% for the trailing one-year period and a return from other factors of 0.4%.

**FIGURE 5 1-YR RETURN ATTRIBUTION ANALYSIS BY PERFORMANCE QUARTILE:
US ENDOWMENTS AND FOUNDATIONS**

As of December 31, 2020 • Percent (%) • n = 380

1-Yr Return Attribution Analysis by Quartile



Breakdown of Return from Asset Allocation

Asset Class	Mean Beginning Year Asset Allocation	Asset Class Benchmark Return	Contribution to Asset Class Return
US Equity	24.5	20.9	5.1
Global ex US Equity: Emerging Mkts	7.5	18.3	1.4
Global ex US Equity: Developed Mkts	16.3	7.8	1.3
Venture Capital	4.8	19.3	1.1
Long/Short Hedge Funds	6.1	17.9	1.1
US Bonds	10.3	7.5	0.8
Non-Venture Private Equity	4.6	13.6	0.8
Absolute Return (ex Distressed)	9.9	6.5	0.6
Other Private Investments	1.4	15.1	0.2
Distressed-Hedge Fund Structure	1.3	11.9	0.2
Other	0.5	15.2	0.1
Inflation-Linked Bonds	0.5	11.0	0.1
Cash & Equivalents	3.6	0.7	0.0
High-Yield Bonds	0.3	7.1	0.0
Global ex US Bonds: Developed Mkts	0.2	10.8	0.0
Global ex US Bonds: Emerging Mkts	0.2	5.3	0.0
Distressed-Private Equity Structure	1.3	0.1	0.0
Timber	0.1	0.2	0.0
Private Real Estate	1.9	-2.7	0.0
Commodities	0.4	-3.1	0.0
Public Real Estate	0.5	-6.0	0.0
Public Energy/Natural Resources	1.6	-18.4	-0.3
Private Oil & Gas/Natural Resources	2.2	-18.4	-0.4

* Private investment benchmark returns are for the period of 1/1/20 to 9/30/20.

Sources: Endowment and foundation data as reported to Cambridge Associates LLC.

The table on the bottom part of Figure 5 shows each asset class’s contribution to the average asset allocation return of the universe. Each category’s contribution is a function of its benchmark return for the one-year period as well as the participant group’s average allocation to the category. US equity, which returned 20.9% and accounted for nearly one-quarter of the average portfolio, had the greatest positive impact of all the asset class return contributors. The largest negative contributions to performance came from public and private natural resources/energy strategies.

Figure 5 also provides a breakdown of the attribution data into the four performance quartiles of the overall universe, which highlights the different experiences among institutions. The top performance quartile had a mean asset allocation return of 13.2%, approximately 230 basis points (bps) higher than that of the bottom quartile. The model estimates that the differential in the return from other factors was much greater, with the average of the top quartile of performers (4.5%) being 750 bps higher than the bottom quartile (-3.1%).

The differential in the return from other factors was much wider for this most recent calendar year than it has been for past periods. This was because of the extreme volatility that portfolios experienced in 2020. Global equity markets suffered a steep decline in the first quarter of 2020, but staged a remarkable recovery throughout the remainder of calendar year. While this can lead to an environment where the range of alpha across portfolios can widen, it also creates a period where the decision to modify asset allocation throughout the year can have notable performance effects. For example, a portfolio that rebalanced back into equities after that first quarter crash would have realized a positive performance effect that would have been included in the return from other factors in our attribution analysis.

PERFORMANCE METHODOLOGY DESCRIPTIONS

Current Basis

Total investment pool return for the trailing one-year period includes marketable asset performance and private investment performance for January 1, 2020, to December 31, 2020.

Marketable Assets			
1Q20	2Q20	3Q20	4Q20
Private Investments			

Partial Basis

Total investment pool return for the trailing one-year period includes marketable asset performance for January 1, 2020, to December 31, 2020. Private investment portion of the investment pool reflects actual performance for January 1, 2020, to September 30, 2020, and a flat return (0%) for September 30, 2020, to December 31, 2020.

Marketable Assets			
1Q20	2Q20	3Q20	4Q20
Actual Return			0%
Private Investments			

Lagged Basis

Total investment pool return for the trailing one-year period includes marketable asset performance for January 1, 2020, to December 31, 2020, and private investment performance for October 1, 2019, to September 30, 2020.

Marketable Assets				
4Q19	1Q20	2Q20	3Q20	4Q20
Private Investments				

TRAILING TEN-YEAR RESULTS

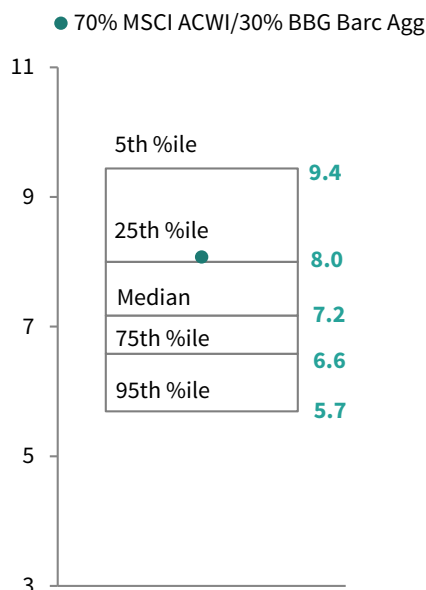
The median trailing ten-year return was 7.2% (Figure 6). Returns ranged from 9.4% at the 5th percentile to 5.7% at the 95th percentile. A blended index return consisting of 70% MSCI ACWI and 30% Bloomberg Barclays Aggregate Bond Index earned 8.1% and would have landed just inside the top quartile of the respondent group.

TEN-YEAR ASSET ALLOCATION. Figure 7 explores the relationship between peer returns and asset allocations for the trailing ten-year period. In this analysis, the participant group is broken down into four quartiles based on the trailing ten-year investment return. Each institution's asset allocation was averaged across the 11 December 31 periods that fell from 2010 to 2020. The four quartiles in the heat map represent the average of the institutions within each quartile.

Each of the private investment indexes outperformed their mPME benchmarks over the past decade. As would be expected given this market backdrop, the top quartile of performers over this period reported an average allocation to private investments that was considerably higher than the other performance quartiles. The average combined allocation to PE/VC and private real assets was 24.3% for the top quartile of performers over this ten-year period and just 6.5% for the bottom quartile of performers.

FIGURE 6 NOMINAL TRAILING TEN-YEAR RETURNS

Period Ended December 31, 2020 • Percent (%) • n = 349



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

CA US ENDOWMENT & FOUNDATION UNIVERSE AT A GLANCE

The Cambridge Associates US endowment and foundation universe includes colleges and universities, cultural and environmental institutions, healthcare institutions, independent schools, and other endowed nonprofit institutions as well as foundations. This report provides asset allocation and return analyses for

386 US endowments and foundations participated in our quarterly survey

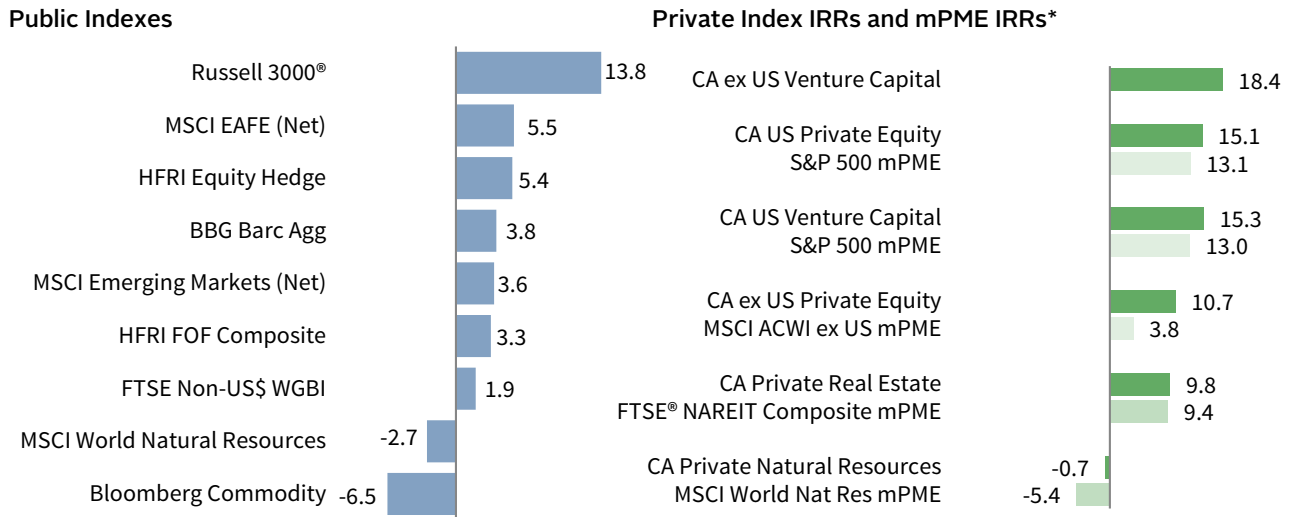
\$1.6B Average market value of participating long-term investment portfolios

\$353.7M Median value

Returns are reported net of external manager fees for 384 of 386 institutions in this universe. Past Cambridge Associates surveys have shown that approximately 10% to 15% of institutions also deduct investment oversight costs in the net of fee calculation.

FIGURE 7 10-YR INDEX RETURNS AND ASSET ALLOCATION OF TOP AND BOTTOM PERFORMERS: US ENDOWMENTS AND FOUNDATIONS

As of December 31, 2020 • Percent (%)

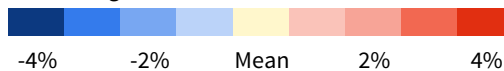


Mean Asset Allocation by Performance Quartile: December 31, 2010 to December 31, 2020

n = 257

Quartile	US	DM ex	EM	Hedge			Pub RA		Cash	Other	
	Equity	US Eqty	Equity	Bonds	Funds	Dist Sec	PE/VC	Priv RA & ILBs			
Top Quartile	19.3	12.4	7.3	7.5	19.1	3.3	15.8	8.5	2.6	4.1	0.3
2nd Quartile	23.5	15.0	7.3	11.2	17.9	3.3	9.1	4.7	4.2	3.7	0.2
3rd Quartile	21.0	15.2	7.1	11.9	19.2	3.4	8.1	4.2	5.6	3.8	0.5
Bottom Quartile	21.6	16.4	7.3	14.1	19.2	2.7	4.4	2.1	6.9	4.7	0.6
E&F Universe Mean	21.3	14.7	7.2	11.2	18.8	3.2	9.4	4.9	4.8	4.1	0.4

Divergence of Asset Allocation from Mean



* Private investment benchmark IRRs and mPME IRRs are for the period 1/1/2011 to 9/30/2020.

Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited, Cambridge Associates LLC, Frank Russell Company, FTSE International Limited, Hedge Fund Research, Inc., MSCI Inc., the National Association of Real Estate Investment Trusts, Standard & Poor's, and Thomson Reuters Datastream. MSCI data provided "as is" without any express or implied warranties.

Figure 8 organizes participants into five subgroups based on each institution's trailing ten-year average allocation to private investments. The median ten-year return for portfolios with an allocation of over 30% to private investments was 8.9%, approximately 240 bps higher than the median return reported by portfolios with little to no private investment allocation. The distribution of returns for the five subgroups shows a wide range of results, a disclaimer that not all portfolios with the highest allocations to private investments earn the best performance. However, these ten-year analyses show that allocations to private investments generally are a key factor in a portfolio's relative performance within the overall participant group over the long term. Institutions that benchmark peer performance should consider the subgroup median that aligns with their own private investment allocation as an alternative or complement to the peer medians that they already use.

FIGURE 8 RANGE OF 10-YR RETURNS BY PRIVATE INVESTMENT ALLOCATION

As of December 31, 2020 • Percent (%)



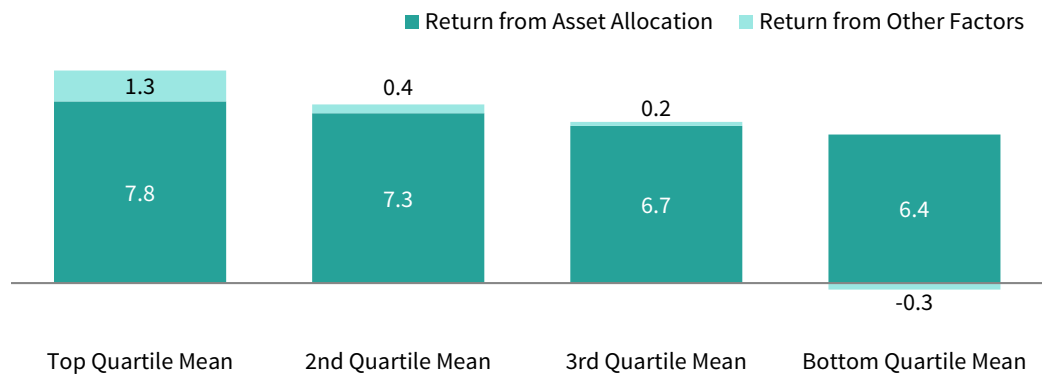
Source: Endowment and foundation data as reported to Cambridge Associates LLC.

Note: Each institution's private investment allocation represents the mean for the 11 December 31 periods from 2010 to 2020.

TEN-YEAR ATTRIBUTION. The attribution model also points to an outperforming asset allocation structure for the top performance quartile over the last decade. Figure 9 shows that the top performance quartile had a mean asset class return of 7.8% for the trailing ten-year period, approximately 140 bps higher than the bottom performance quartile. The top performance quartile also added another 1.3% on average from other factors, while the bottom performance quartile lost an average of 0.3%.

FIGURE 9 10-YR ATTRIBUTION ANALYSIS BY PERFORMANCE QUARTILE: US ENDOWMENTS AND FOUNDATIONS

As of December 31, 2020 • Percent (%) • n = 257



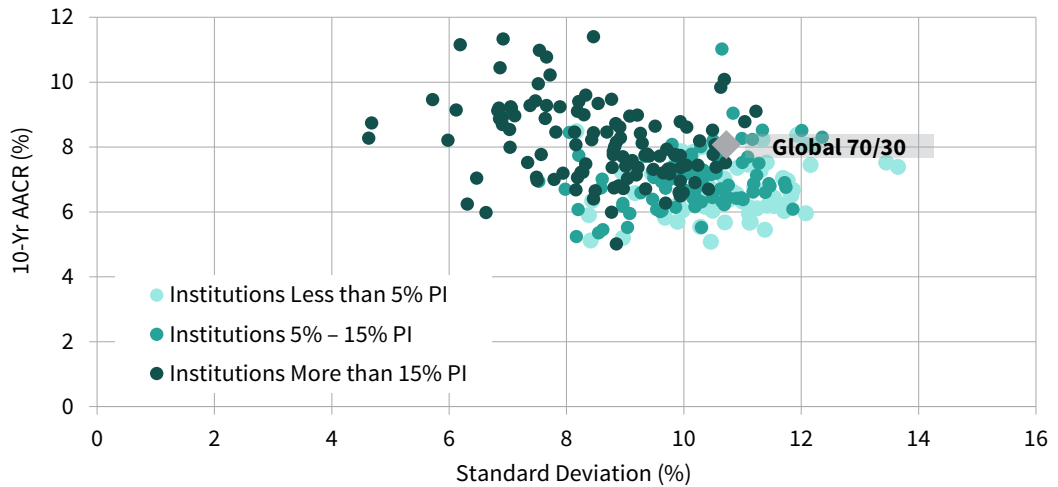
Source: Endowment and foundation data as reported to Cambridge Associates LLC.

SHARPE RATIO. Risk-adjusted performance is important to evaluate, as it measures the total return relative to the total amount of risk taken by the portfolio. The most common approach to measuring risk-adjusted performance is by the Sharpe ratio, which shows how much return above the risk-free rate (T-bills) the investor has earned per unit of risk (defined as the standard deviation of returns). The higher the Sharpe ratio, the more the investor has been compensated for each unit of risk taken.

Risk-adjusted performance comparisons can be impacted when portfolios have significant allocations to private investments. The frequency and timing of private investment valuations can lead to a lower standard deviation of returns for these assets. Thus, a portfolio with high allocations to private investments can yield a lower volatility statistic relative to portfolios that have higher public equity allocations. For this reason, we have split institutions out into subcategories in Figure 10 based on their allocations to private investments.

**FIGURE 10 STANDARD DEVIATION AND SHARPE RATIO:
US ENDOWMENTS AND FOUNDATIONS**

10 Years Ended December 31, 2020



	All Institutions Mean	Mean by PI Allocation			70/30 Global Benchmark
		Less than 5%	5% - 15%	More than 15%	
10-Yr AACR	7.4	6.7	7.0	8.1	8.1
Standard Deviation	9.6	10.9	10.2	8.6	10.7
Sharpe Ratio	0.76	0.60	0.66	0.92	0.72
<i>n</i>	257	56	84	117	

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

Institutions that had an allocation of more than 15% to private investments over the last ten years reported an average Sharpe ratio of 0.92, significantly higher than that of the other subgroups with smaller private allocations. While the magnitude of the differences in average Sharpe ratios is partly a function of this group's higher average ten-year return, it is also attributable to its lower average standard deviation. ■

Notes on the Data

Returns for periods greater than one-year are annualized.

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 2: Institutions with no significant private investment allocations (less than 1% of the total portfolio) are reflected in the No PI Allocation category in the pie graph and table by asset size.

Figure 5: To be consistent with the methodology in which private investment returns are incorporated into the total portfolio composite calculation, private investment benchmark data represent quarterly end-to-end returns that have been compounded.

Figure 10: Analysis includes only institutions that provided underlying quarterly returns and asset allocation for the ten years. Each institution's private investment allocation represents the mean for the 11 December 31 periods from 2010 to 2020. The Global 70/30 benchmark is composed of 70% MSCI ACWI/30% Bloomberg Barclays Aggregate Bond Index.

Appendix: Figures A–D

FIGURE A DETAILED ASSET ALLOCATION BY PEER GROUP: US ENDOWMENTS AND FOUNDATIONS

As of December 31, 2020 • Percent (%)

	Colleges & Universities <i>n</i> = 133		Cultural & Environmental 47		Foundations 105		Healthcare 30		Independent Schools 30		Other Nonprofits 41	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
US Equity	24.1	23.5	27.0	25.3	26.1	25.5	24.6	24.6	28.6	28.8	28.6	30.3
Global ex US Equity	21.1	21.1	22.6	23.9	22.7	22.5	21.5	21.5	21.4	20.7	24.5	26.6
Developed Markets	14.0	13.5	15.0	16.2	15.1	15.0	14.6	14.8	14.6	13.4	17.0	18.9
Emerging Markets	7.1	7.0	7.6	7.7	7.6	7.2	7.0	7.0	6.8	6.1	7.6	6.7
Bonds	8.2	8.3	9.3	9.4	11.8	10.7	12.5	13.0	7.8	8.7	12.5	11.8
US Bonds	7.8	7.5	8.6	8.3	11.2	10.1	11.7	10.9	7.7	8.3	12.0	11.0
Global ex US Bonds (DM)	0.1	0.0	0.2	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.2	0.0
Global ex US Bonds (EM)	0.1	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.2	0.0
High-Yield Bonds	0.3	0.0	0.2	0.0	0.4	0.0	0.4	0.0	0.1	0.0	0.1	0.0
Hedge Funds	15.6	14.9	19.8	17.2	13.3	13.2	18.2	18.4	20.5	20.0	15.1	14.4
Long/Short Hedge Funds	6.7	5.5	8.4	7.2	5.4	4.5	8.0	7.3	11.2	7.9	5.7	3.8
Absolute Return (ex Distressed)	8.9	8.7	11.4	10.6	7.9	7.9	10.2	10.0	9.3	9.2	9.5	9.2
Distressed Securities	2.8	2.3	2.3	1.4	2.2	1.7	2.8	2.2	2.3	1.6	1.8	0.7
Hedge Fund Structure	1.3	0.8	1.2	0.0	0.8	0.0	1.4	1.0	0.6	0.0	1.1	0.0
Private Equity Structure	1.5	1.1	1.2	0.7	1.4	0.6	1.4	1.1	1.8	0.9	0.7	0.0
PE/VC	16.5	16.3	8.7	7.3	13.8	13.1	10.5	9.8	8.7	9.1	6.1	3.2
Non-Venture Private Equity	7.6	7.4	3.5	3.2	5.2	4.2	5.0	4.8	4.6	3.2	2.5	1.2
Venture Capital	7.3	5.8	4.1	2.3	6.6	4.0	4.4	2.7	2.8	1.9	2.7	0.4
Other Private Investments	1.5	0.4	1.1	0.6	2.0	0.6	1.2	0.4	1.3	0.8	0.9	0.5
Real Assets & ILBs	6.9	6.4	3.9	3.9	5.8	5.4	5.7	5.6	5.2	4.3	4.7	4.7
Private Real Estate	2.4	1.7	0.9	0.1	1.9	0.7	1.6	0.8	1.5	0.1	1.1	0.0
Public Real Estate	0.6	0.0	0.1	0.0	0.5	0.0	0.5	0.0	0.1	0.0	0.5	0.0
Commodities	0.3	0.0	0.2	0.0	0.3	0.0	0.5	0.0	0.5	0.0	0.2	0.0
ILBs	0.4	0.0	0.6	0.0	0.6	0.0	1.0	0.0	0.4	0.0	0.7	0.0
Private O&G/Nat Resources	2.3	2.1	1.2	0.5	1.6	1.1	1.0	0.3	1.8	1.5	1.2	0.5
Timber	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Public Energy/Nat Resources	0.8	0.0	0.8	0.0	1.0	0.0	0.9	0.0	0.9	0.0	1.1	0.0
Cash & Equivalents	4.0	3.1	6.3	4.9	3.6	3.0	3.6	2.2	5.1	3.9	5.9	3.2
Other Assets	0.9	0.0	0.0	0.0	0.7	0.0	0.6	0.0	0.4	0.0	0.6	0.0

Source: Endowment and foundation data as reported to Cambridge Associates LLC.

FIGURE B DETAILED ASSET ALLOCATION BY ASSET SIZE: US ENDOWMENTS AND FOUNDATIONS

As of December 31, 2020 • Percent (%)

	All Endow & Fdn <i>n</i> = 386		Less than \$100M 68		\$100M – \$200M 68		\$200M – \$500M 81		\$500M – \$1B 52		More than \$1B 117	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
US Equity	25.8	25.6	31.1	30.8	27.2	27.9	29.1	28.5	24.6	24.0	20.3	19.1
Global ex US Equity	22.1	22.0	25.8	26.9	23.5	25.0	22.4	22.5	21.2	21.9	19.5	19.3
Developed Markets	14.8	14.5	18.8	19.8	16.0	16.8	15.0	15.2	14.1	14.1	12.0	11.4
Emerging Markets	7.3	7.1	7.0	6.7	7.5	7.5	7.4	7.2	7.1	6.8	7.4	7.1
Bonds	10.1	9.5	13.4	12.7	12.1	11.6	11.2	10.8	9.1	9.2	6.6	6.1
US Bonds	9.5	9.1	12.7	12.1	11.6	11.1	11.0	10.7	8.8	8.9	5.8	5.7
Global ex US Bonds (DM)	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0
Global ex US Bonds (EM)	0.1	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.1	0.0
High-Yield Bonds	0.3	0.0	0.4	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.4	0.0
Hedge Funds	16.0	15.2	14.7	15.0	15.8	15.6	14.4	13.6	15.8	12.7	18.1	17.4
Long/Short Hedge Funds	6.9	5.5	6.0	2.6	5.7	5.0	6.3	4.7	6.5	5.4	8.8	7.6
Absolute Return (ex Distressed)	9.1	9.0	8.7	8.1	10.0	10.0	8.2	8.6	9.3	7.5	9.4	9.2
Distressed Securities	2.5	1.8	1.0	0.0	2.3	1.4	2.1	1.9	3.4	2.9	3.2	2.4
Hedge Fund Structure	1.1	0.0	0.4	0.0	0.8	0.0	0.8	0.0	1.6	1.4	1.6	1.0
Private Equity Structure	1.4	0.8	0.6	0.0	1.5	0.6	1.4	0.9	1.8	1.5	1.6	1.1
PE/VC	12.6	11.6	5.1	1.2	9.0	7.8	10.3	9.9	15.0	13.7	19.7	20.3
Non-Venture Private Equity	5.5	4.7	1.4	0.0	3.0	2.6	4.2	4.0	7.0	6.7	9.4	9.2
Venture Capital	5.7	3.7	2.1	0.0	3.7	2.9	4.2	2.7	6.7	5.4	9.5	7.4
Other Private Investments	1.5	0.5	1.6	0.0	2.3	1.6	1.8	1.2	1.3	0.8	0.8	0.0
Real Assets & ILBs	5.8	5.2	3.9	3.7	4.8	4.5	4.6	4.4	6.6	5.5	7.9	7.2
Private Real Estate	1.8	0.7	0.4	0.0	0.5	0.1	1.0	0.4	2.6	1.5	3.6	2.5
Public Real Estate	0.4	0.0	0.5	0.0	0.4	0.0	0.3	0.0	0.7	0.0	0.4	0.0
Commodities	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.3	0.0
ILBs	0.6	0.0	0.8	0.0	0.9	0.0	0.5	0.0	0.5	0.0	0.3	0.0
Private O&G/Nat Resources	1.7	1.4	0.5	0.0	1.5	1.0	1.4	1.3	1.9	1.6	2.8	2.4
Timber	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Public Energy/Nat Resources	0.9	0.0	1.4	0.0	1.1	0.0	1.1	0.0	0.6	0.0	0.5	0.0
Cash & Equivalents	4.4	3.3	4.6	3.6	5.1	3.0	4.5	3.2	3.9	3.3	4.1	3.3
Other Assets	0.6	0.0	0.4	0.0	0.3	0.0	1.4	0.0	0.4	0.0	0.5	0.0

Source: Endowment and foundation data as reported to Cambridge Associates LLC.

FIGURE C NOMINAL TOTAL RETURN SUMMARY BY ASSET SIZE: US ENDOWMENTS AND FOUNDATIONS

Periods Ended December 31, 2020 • Percent (%)

	Latest Qtr	Fiscal YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
All Endowments & Foundations						
5th %ile	13.3	21.0	19.3	11.4	11.2	9.4
25th %ile	11.0	18.1	14.2	8.8	9.7	8.0
75th %ile	8.5	14.6	10.0	6.8	8.4	6.6
95th %ile	6.3	12.3	6.6	5.4	7.3	5.7
Mean	9.7	16.4	12.4	8.0	9.1	7.4
Median	9.6	16.2	12.2	7.7	9.1	7.2
<i>n</i>	386	386	386	381	376	349
Less than \$100M						
5th %ile	13.3	21.1	17.7	9.4	10.1	7.6
25th %ile	11.9	19.0	14.2	8.0	9.3	7.4
75th %ile	9.4	15.5	8.9	6.3	8.1	6.0
95th %ile	6.6	12.4	6.6	4.8	6.6	5.3
Mean	10.5	17.1	12.3	7.1	8.6	6.6
Median	10.5	17.2	12.1	7.3	8.7	6.5
<i>n</i>	68	68	68	66	62	51
\$100M – \$200M						
5th %ile	13.1	20.4	16.8	9.4	10.2	8.1
25th %ile	11.0	18.0	13.5	8.2	9.4	7.2
75th %ile	8.5	14.4	9.0	6.3	8.3	6.3
95th %ile	6.0	11.5	7.4	5.7	7.7	6.0
Mean	9.6	16.0	11.5	7.4	8.9	6.8
Median	9.5	16.0	11.5	7.3	8.9	6.6
<i>n</i>	68	68	68	67	67	63
\$200M – \$500M						
5th %ile	13.0	20.3	17.4	10.4	10.8	8.3
25th %ile	10.5	18.1	13.4	8.4	9.6	7.6
75th %ile	8.7	15.1	10.2	6.7	8.4	6.6
95th %ile	6.8	12.6	6.4	5.4	7.4	5.4
Mean	9.6	16.3	11.9	7.7	9.0	7.0
Median	9.5	15.8	11.9	7.7	8.9	6.9
<i>n</i>	81	81	81	81	80	78
\$500M – \$1B						
5th %ile	13.8	20.0	19.7	12.9	11.9	9.4
25th %ile	10.2	17.2	13.9	8.8	9.5	7.7
75th %ile	8.0	14.5	10.1	6.8	8.5	6.8
95th %ile	6.9	12.9	8.2	6.1	7.7	6.5
Mean	9.7	16.3	12.7	8.1	9.2	7.4
Median	8.9	15.6	11.9	7.7	8.9	7.1
<i>n</i>	52	52	52	52	52	49
More than \$1B						
5th %ile	13.8	22.9	20.9	12.5	11.6	10.4
25th %ile	10.7	18.2	15.6	10.2	10.4	9.1
75th %ile	8.3	14.2	10.7	7.5	8.7	7.4
95th %ile	6.1	12.2	7.3	6.0	7.3	6.5
Mean	9.5	16.3	13.3	8.9	9.6	8.3
Median	9.5	16.2	13.1	8.8	9.5	8.3
<i>n</i>	117	117	117	115	115	108

Source: Endowment and foundation data as reported to Cambridge Associates LLC.

FIGURE D NOMINAL TOTAL RETURN SUMMARY BY PEER GROUP: US ENDOWMENTS AND FOUNDATIONS

Periods Ended December 31, 2020 • Percent (%)

	Latest Qtr	Fiscal YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
Colleges & Universities						
5th %ile	13.9	20.7	19.6	12.2	11.5	9.9
25th %ile	11.1	18.2	14.8	9.3	10.1	8.5
75th %ile	8.5	15.1	10.2	7.1	8.6	6.9
95th %ile	6.7	13.0	7.0	5.7	7.6	6.3
Mean	9.8	16.4	12.8	8.5	9.4	7.7
Median	9.6	16.1	12.3	8.2	9.3	7.4
<i>n</i>	133	133	133	133	133	125
Cultural & Environmental						
5th %ile	13.1	20.2	20.4	11.2	10.8	8.7
25th %ile	10.7	18.1	14.0	8.4	9.6	8.0
75th %ile	8.7	15.1	10.1	7.0	8.5	6.6
95th %ile	7.1	12.6	7.2	5.5	7.4	5.6
Mean	9.7	16.4	12.3	7.8	9.1	7.3
Median	9.6	16.1	12.1	7.6	8.9	7.2
<i>n</i>	47	47	47	47	47	46
Foundations						
5th %ile	13.4	22.0	19.1	11.1	10.9	9.3
25th %ile	10.8	17.8	13.8	8.7	9.8	8.1
75th %ile	8.2	14.6	10.6	6.7	8.6	6.6
95th %ile	6.1	12.3	7.6	5.7	7.6	5.9
Mean	9.7	16.5	12.8	8.0	9.2	7.4
Median	9.5	15.9	12.5	7.8	9.2	7.2
<i>n</i>	105	105	105	101	98	90
Healthcare						
5th %ile	12.0	19.3	16.8	10.1	10.6	8.9
25th %ile	10.3	17.6	13.1	8.4	9.4	7.4
75th %ile	8.3	13.5	8.5	6.6	8.1	6.4
95th %ile	5.8	10.8	6.4	5.0	7.0	5.5
Mean	9.2	15.5	11.3	7.6	8.7	7.0
Median	9.5	15.8	11.7	7.4	8.5	6.9
<i>n</i>	30	30	30	30	29	27
Independent Schools						
5th %ile	12.1	21.3	16.8	9.9	9.8	8.3
25th %ile	10.6	18.1	14.3	8.2	9.1	7.6
75th %ile	8.4	14.9	10.6	6.8	8.3	6.2
95th %ile	7.0	12.9	7.2	6.1	7.6	5.8
Mean	9.6	16.6	12.5	7.6	8.7	7.0
Median	9.9	16.8	12.8	7.6	8.7	6.9
<i>n</i>	30	30	30	30	29	28
Other Nonprofits						
5th %ile	13.3	20.0	16.4	9.2	9.8	8.3
25th %ile	12.0	19.1	13.6	7.7	9.1	7.1
75th %ile	8.7	14.1	8.8	6.0	8.0	6.1
95th %ile	6.8	12.2	6.5	5.0	7.3	5.5
Mean	10.2	16.4	11.3	6.9	8.6	6.6
Median	10.0	16.8	11.5	7.0	8.7	6.4
<i>n</i>	41	41	41	40	40	33

Source: Endowment and foundation data as reported to Cambridge Associates LLC.

Copyright © 2021 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 provided by third parties, including investment firms providing information on returns and assets under management, and may not 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 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 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).