

3RD QUARTER • 2021

ENDOWMENTS QUARTERLY

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

TRAILING ONE-YEAR RESULTS

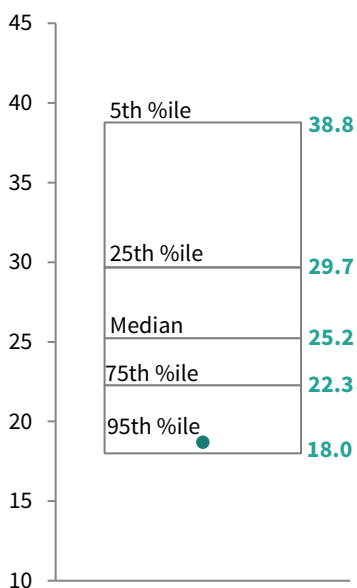
The median return of the endowment and foundation universe was 25.2% for the trailing one-year period (Figure 1). The largest portion of participants' portfolios continues to be allocated to equity-oriented assets. On average, institutions allocated 46.0% to public equity and 16.4% to private equity/venture capital (PE/VC). The average mix between public and private equities varies substantially across certain subgroups of the overall universe. Asset size is the key differentiator in allocations across the total participant group. The larger portfolios have the highest average allocation to PE/VC and the smallest portfolios have the highest average allocation to public equities.

FIGURE 1 PERFORMANCE AND ASSET ALLOCATION SNAPSHOT

Period Ended September 30, 2021 • Percent (%)

Trailing 1-Year Return

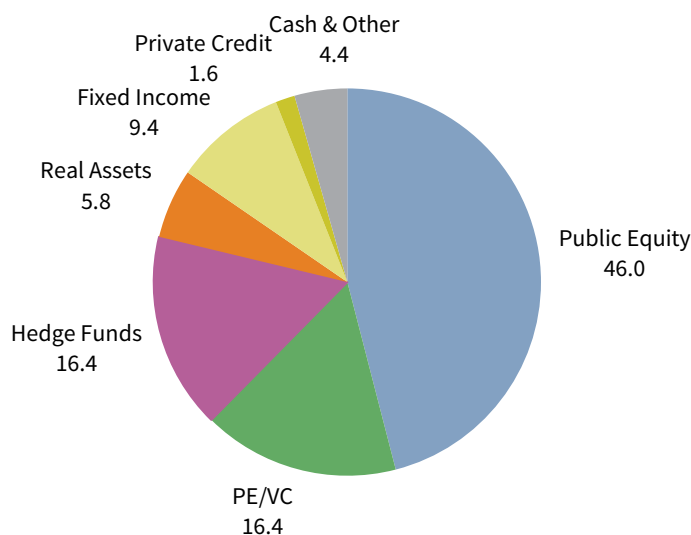
n = 381



● 70% MSCI ACWI / 30% BBG Agg

Mean Average Asset Allocation

n = 382

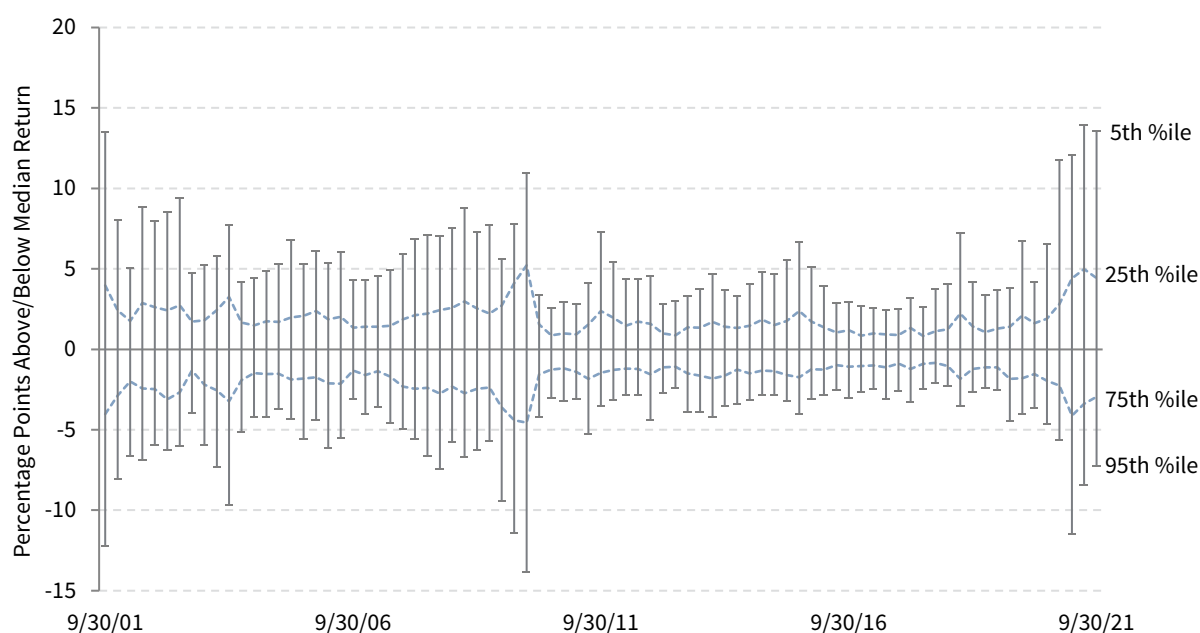


Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data provided "as is" without any express or implied warranties.

The dispersion in returns across the peer group has been persistently high over the last several editions of this study. This is particularly evident at the top end of the distribution where the 5th percentile return (38.8%) was 13.6 percentage-points (ppts) higher than the median return. This was the second largest gap reported over the last 20 years, with the largest differential reported just one quarter ago (Figure 2). The range between the 95th percentile return (18.0%) and the median was 7.2 ppts. While still a large differential by historical standards, this gap at the bottom end of the universe has narrowed considerably over the last two quarters and remains far below the 13.8 ppts differential reported in 2010 in the immediate aftermath of the Global Financial Crisis.

FIGURE 2 DISPERSION IN TRAILING 1-YR RETURNS RELATIVE TO THE MEDIAN RETURN

Based on Quarters Ended September 30, 2001, through September 30, 2021



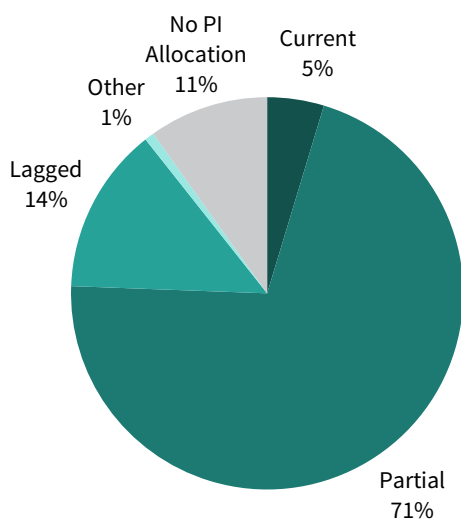
Source: Endowment and foundation data as reported to Cambridge Associates LLC.

PRIVATE INVESTMENT REPORTING METHODOLOGIES. The reporting methodologies for private investments are an important factor when comparing peer returns for the trailing one-year period. Most study participants (71%) reported their trailing one-year private investment returns on a partial basis (Figure 3). Under this method, only three quarters of private returns are incorporated for the one-year period. As September 30 valuations become available, third quarter 2021 returns will be restated to reflect actual private performance. Early private fund data collected by Cambridge Associates point to positive returns for most private investment index strategies for the third quarter. If that holds once all private data are reported, most institutions using the partial basis should see an upward revision in returns.

FIGURE 3 PERFORMANCE REPORTING METHODOLOGIES: US ENDOWMENTS AND FOUNDATIONS

As of September 30, 2021

Performance Reporting Methodology



By Asset Size

	Current Basis	Partial Basis	Lagged Basis	Other	No PI Allocation
Less than \$100M	–	59%	–	–	41%
<i>n</i>		34			24
\$100M – \$200M	–	91%	–	–	9%
<i>n</i>		61			6
\$200M – \$500M	–	91%	1%	–	8%
<i>n</i>		77	1		7
\$500M – \$1B	–	92%	8%	–	–
<i>n</i>		47	4		
More than \$1B	15%	44%	39%	2%	1%
<i>n</i>	18	54	48	3	1

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

Some institutions have already incorporated 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 14% of participants, private valuations are perpetually lagged by one quarter so that the one-year return represents private investment performance from July 1, 2020, to June 30, 2021. In contrast, under the current basis, the four quarters of private investment performance are time-matched with other assets in the portfolio and reflect investment activity from October 1, 2020, to September 30, 2021. Just 5% of institutions use the current method, and they often rely on estimated valuations to reflect private performance for the most recent quarter ending September 30.

Performance was positive for all private investment indexes for third quarter 2020, with PE/VC strategies near 10% or higher (Figure 4). Institutions using the lagged basis will incorporate this third quarter 2020 private performance in their trailing one-year return calculation. Therefore, institutions using the lagged basis—which includes this extra quarter of strong private investment performance—are reporting a return that is higher than what would have been calculated under the partial basis.

FIGURE 4 CAMBRIDGE ASSOCIATES PRIVATE INVESTMENT INDEX RETURNS

	One Quarter End-to-End Pooled Return (%)				
	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021
US Private Equity	12.1	12.5	10.6	13.5	NA
Global ex US Private Equity	10.5	17.9	3.7	10.8	NA
US Venture Capital	12.8	27.0	16.9	12.1	NA
Global ex US Venture Capital	8.5	23.0	15.9	8.6	NA
Private Credit	4.3	6.0	4.6	5.4	NA
Real Estate	3.6	4.6	2.8	5.9	NA
Natural Resources	1.4	6.0	8.0	9.2	NA

Lagged Basis
 Partial Basis

Source: Cambridge Associates LLC.

Note: NA indicates data were not available.

ONE-YEAR ASSET ALLOCATION. Asset allocation is one of the key factors that explains the dispersion in returns among institutions in our universe. Figure 5 explores this relationship between investment performance and asset allocation. 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 5 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

PERFORMANCE METHODOLOGY DESCRIPTIONS

Current Basis

Total investment pool return for the trailing one-year period includes marketable asset performance and private investment performance for October 1, 2020, to September 30, 2021.

Marketable Assets			
4Q20	1Q21	2Q21	3Q21
Private Investments			

Partial Basis

Total investment pool return for the trailing one-year period includes marketable asset performance for October 1, 2020, to September 30, 2021. Private investment portion of the investment pool reflects actual performance for October 1, 2020, to June 30, 2021, and a flat return (0%) for June 30, 2021, to September 30, 2021.

Marketable Assets			
4Q20	1Q21	2Q21	3Q21
Actual Return			0%
Private Investments			

Lagged Basis

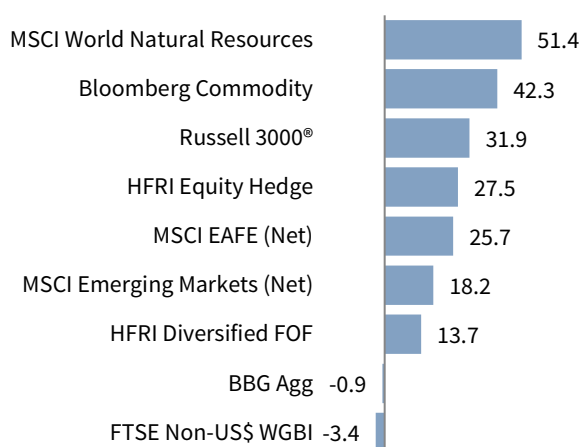
Total investment pool return for the trailing one-year period includes marketable asset performance for October 1, 2020, to September 30, 2021, and private investment performance for July 1, 2020, to June 30, 2021.

Marketable Assets			
3Q20	4Q20	1Q21	2Q21
Private Investments			

FIGURE 5 1-YR INDEX RETURNS AND ASSET ALLOCATION OF TOP AND BOTTOM PERFORMERS: US ENDOWMENTS AND FOUNDATIONS

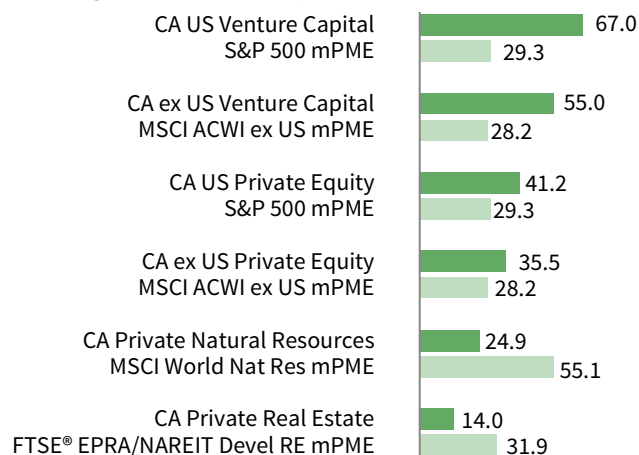
Public Indexes

Trailing 1 Year as of 9/30/21



Private Index IRRs and mPME IRRs

Trailing 9 Months as of 6/30/21



Mean Asset Allocation by Performance Quartile: September 30, 2020 to September 30, 2021

n = 366

Quartile	Public Equity	PE/VC	Hedge Funds	Real Assets	Fixed Income	Private Credit	Cash	Other
Top Quartile	37.1	25.9	17.1	7.7	6.1	2.0	3.8	0.2
2nd Quartile	46.2	16.4	16.1	6.0	8.6	1.8	3.6	1.2
3rd Quartile	51.1	10.2	17.2	4.9	11.6	1.4	3.1	0.5
Bottom Quartile	52.0	5.0	17.2	4.7	14.1	0.9	5.5	0.5
E&F Universe Mean	46.6	14.4	16.9	5.8	10.1	1.5	4.0	0.6

Divergence of Asset Allocation from Mean

-4% -2% Mean 2% 4%

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 third quarter 2021, the period evaluated for the private investment and mPME indexes is for the trailing nine months ended June 30, 2021.

When we conduct this analysis, we expect the key takeaways from the index comparisons to translate to the data reported in the heat map table. This is in fact what we found for the most recent one-year period, with top-performing institutions reporting the highest allocations to the best-performing asset classes and vice versa. The returns for the CA Venture Capital and Private Equity indexes have trounced the mPME indexes over recent periods. When considering this context, it is no surprise to learn that the top quartile of performers reported the highest average allocation to PE/VC (25.9%). The average allocation to PE/VC for the bottom performance quartile

was over 20 ppts lower (5.0%). Relatedly, top-performing institutions had the lowest average allocation to public equity (37.1%), while the bottom performance quartile reported the highest average allocation (52.0%).

Allocations to fixed income and cash also stand out when comparing peer asset allocations. Returns of these strategies significantly lagged risk assets over the past year, and institutions with the highest allocations to these asset classes tended to have the lowest overall performance. The bottom quartile of performers reported the highest combined allocations to fixed income and cash (19.6%). In contrast, the average combined allocation was considerably lower for the top performance quartile (10.0%).

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 contributes 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 6 illustrates the results of the attribution analysis for the trailing one-year period based on 366 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 25.7% for the trailing one-year period and a return from other factors of 0.7%.

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

382 US endowments and foundations that participated in our quarterly survey

\$1.8B Average market value of participating long-term investment portfolios

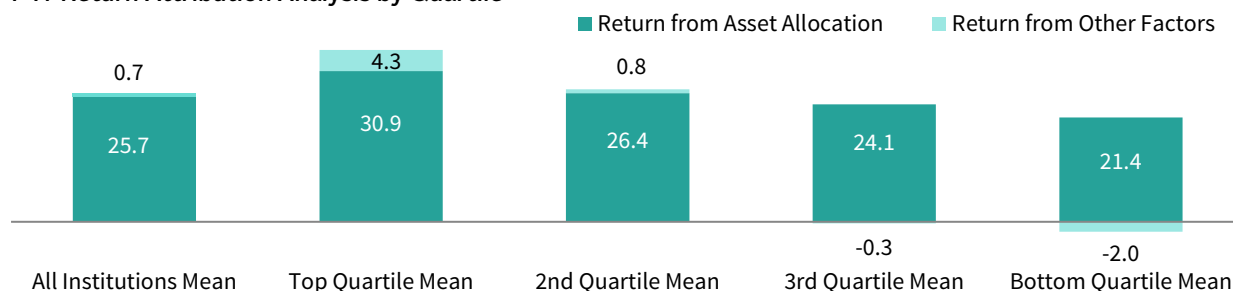
\$395.5M Median value

Returns are reported net of external manager fees for 380 of 382 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 6 1-YR RETURN ATTRIBUTION ANALYSIS BY PERFORMANCE QUARTILE:
US ENDOWMENTS AND FOUNDATIONS**

As of September 30, 2021 • Percent (%) • n = 366

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	25.4	31.9	8.1
Venture Capital	5.5	66.5	3.9
Global ex US Equity-Developed Mkts	14.6	25.7	3.8
Non-Venture Private Equity	5.4	41.2	2.4
Long/Short Hedge Funds	6.7	27.5	1.8
Absolute Return (ex Distressed)	9.6	13.7	1.3
Global ex US Equity-Emerging Mkts	7.1	18.2	1.3
Other Private Investments	1.7	47.8	0.8
Private Oil & Gas / Natural Resources	1.9	25.0	0.5
Public Energy / Natural Resources	0.8	51.4	0.4
Distressed-Private Equity Structure	1.4	26.3	0.4
Distressed-Hedge Fund Structure	1.2	27.1	0.3
Private Real Estate	1.8	14.0	0.3
Commodities	0.3	42.3	0.1
Public Real Estate	0.4	30.8	0.1
Other	0.6	18.7	0.1
High Yield Bonds	0.3	11.3	0.0
Inflation-Linked Bonds	0.5	5.2	0.0
Cash & Equivalents	4.3	0.1	0.0
Global ex US Bonds	0.3	-3.4	0.0
US Bonds	10.2	-0.9	-0.1

* Private investment benchmark returns are for the period of 10/1/20 to 6/30/21.

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

The table on the bottom of Figure 6 shows each asset class's contribution to the average asset allocation return of the overall 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 returned more than 30% for the trailing one-year period and accounted for approximately one-quarter of the average portfolio. Therefore, it is no surprise to see that this category, by a wide margin, had the greatest positive impact of all the asset class return contributors. Venture capital, which made up a much smaller portion of the beginning year average allocation at 5.5%, had the second highest contribution because of the exceptional performance earned by the index that represents this strategy. Other equity-oriented asset classes also made significant contributions to the portfolio performance for the trailing one-year period.

Attribution results for individual institutions are based on their respective asset allocation structures and the total portfolio return that was earned. The average asset allocation return for institutions in the top performance quartile was 30.9%, approximately 950 basis points (bps) higher than that of the bottom quartile. The model estimates that the differential in the return from other factors was smaller, with the average of the top quartile of performers (4.3%) being 630 bps higher than the bottom quartile (-2.0%).

TRAILING TEN-YEAR RESULTS

The median trailing ten-year return was 9.3% (Figure 7). Returns ranged from 12.1% at the 5th percentile to 7.7% at the 95th percentile. A blended index return consisting of 70% MSCI ACWI and 30% Bloomberg Aggregate Bond Index earned 9.7% and would have landed within the second performance quartile of the respondent group.

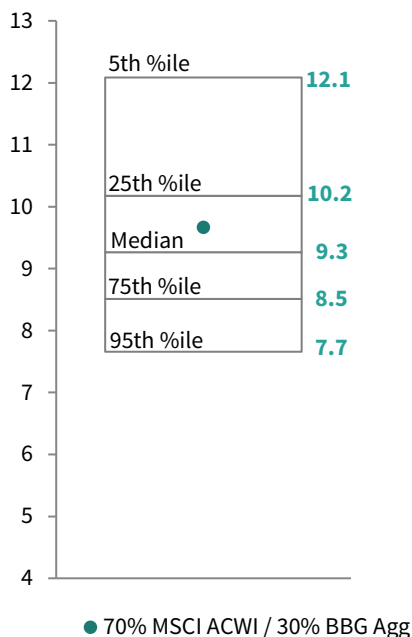
There have been several meaningful changes to the average asset allocation mix for participants over the past decade. In general, average allocations have increased to growth assets and declined for other strategies in the portfolio. As of September 30, 2011, the average combined allocation to public equity and PE/VC was just 45.8%. That figure spiked to 62.6% for the most recent September 30, with the increases for public equity (8.7%) and PE/VC (8.1%) being almost the same. In contrast, the average allocations to hedge funds (-8.4 ppts), real assets (-5.8 ppts), and fixed income (-4.6 ppts) have all declined substantially over the last decade.

FIGURE 7 10-YEAR PERFORMANCE AND ASSET ALLOCATION SNAPSHOT

Percent (%)

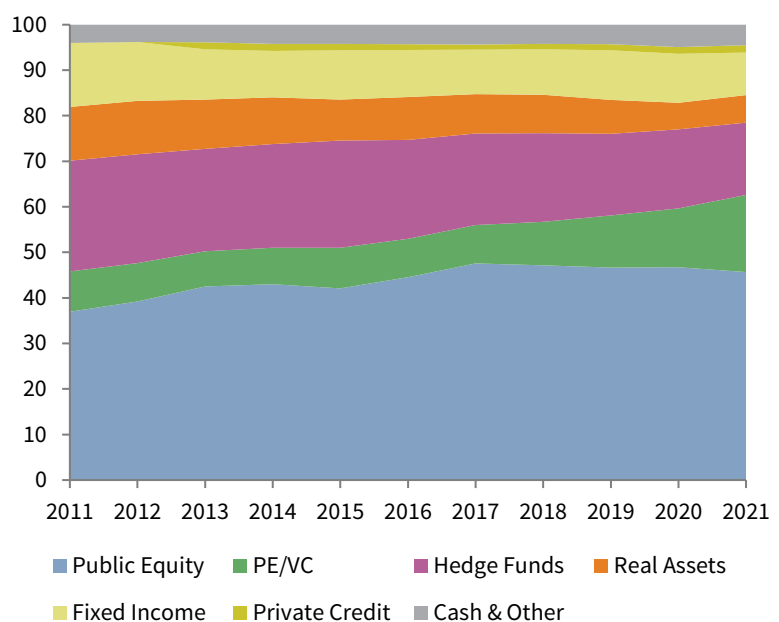
Trailing 10-Year Return

n = 346 • Period Ending September 30, 2021



Trend in Mean Average Asset Allocation

n = 244 • Periods Ending September 30

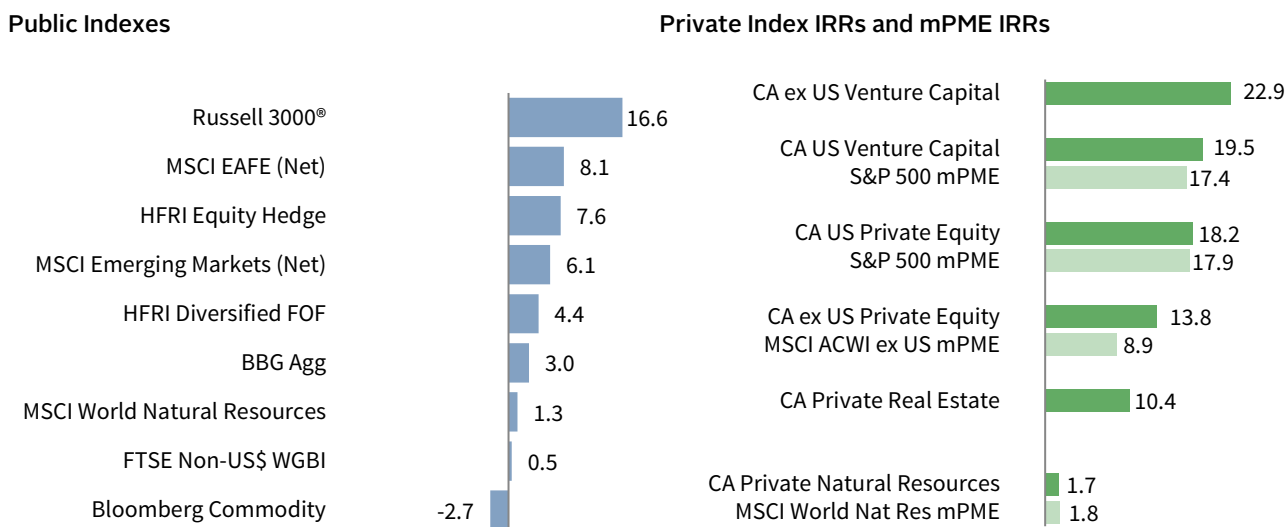


Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data provided "as is" without any express or implied warranties.

TEN-YEAR ASSET ALLOCATION. Figure 8 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 periods starting September 30 that fell from 2011 to 2021. The four quartiles in the heat map represent the average of the institutions within each quartile.

Each of the PE/VC indexes outperformed their mPME benchmarks over the past decade. As would be expected given the market backdrop, the top quartile of performers over this period reported an average allocation to PE/VC that was considerably higher than the other performance quartiles. The average allocation to PE/VC was 17.7% for the top quartile of performers over this ten-year period and just 4.2% for the bottom quartile of performers. In addition, the top quartile's average allocation to public equities and fixed income was considerably lower than that of the bottom quartile.

FIGURE 8 10-YEAR INDEX RETURNS AND ASSET ALLOCATION OF TOP AND BOTTOM PERFORMERS: US ENDOWMENTS AND FOUNDATIONS



Mean Asset Allocation by Performance Quartile: September 30, 2011 to September 30, 2021

n = 241

Quartile	Public Equity	PE/VC	Hedge Funds	Real Assets	Fixed Income	Private Credit	Cash	Other
Top Quartile	39.3	17.7	19.9	10.7	7.5	1.3	3.5	0.1
2nd Quartile	45.9	10.2	19.6	9.1	10.4	1.3	3.5	0.2
3rd Quartile	44.6	8.0	22.4	8.1	11.2	1.1	4.0	0.6
Bottom Quartile	45.7	4.2	21.6	8.2	14.3	0.9	4.5	0.7
E&F Universe Mean	43.8	10.1	20.9	9.0	10.8	1.1	3.8	0.4

Divergence of Asset Allocation from Mean

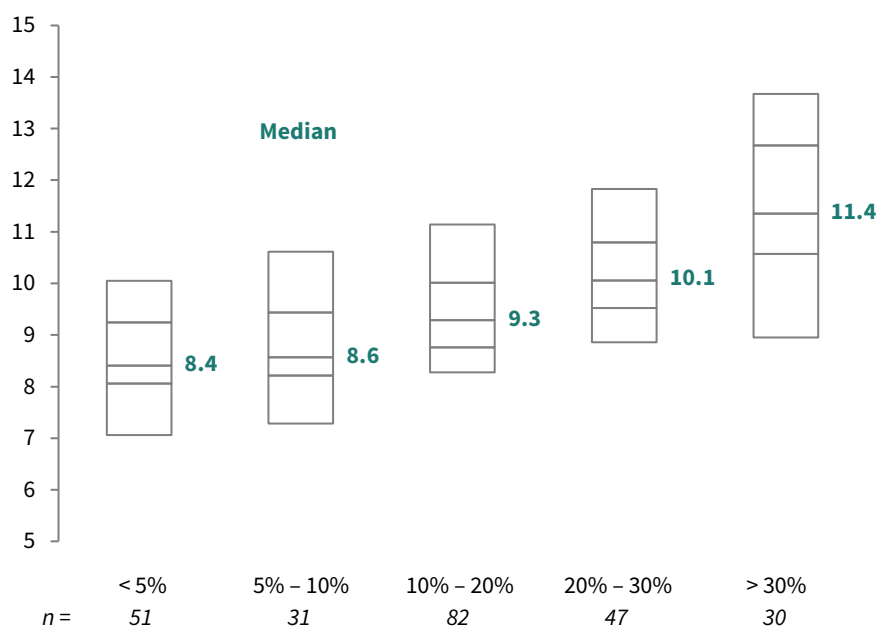
-4% -2% Mean 2% 4%

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 9 organizes participants into five subgroups based on each institution's trailing ten-year average allocation to total private investments. The median ten-year return for portfolios with an allocation of over 30% to private investments was 11.4%, approximately 300 bps higher than the median return reported by portfolios with little to no private investment allocation. In fact, the median return for the highest private investment allocators was higher than the top quartile return of the “20%–30%” cohort and higher than the 5th percentile return for all other subgroups. 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 9 RANGE OF 10-YEAR RETURNS BY PRIVATE INVESTMENT ALLOCATION

As of September 30, 2021 • Percent (%)



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

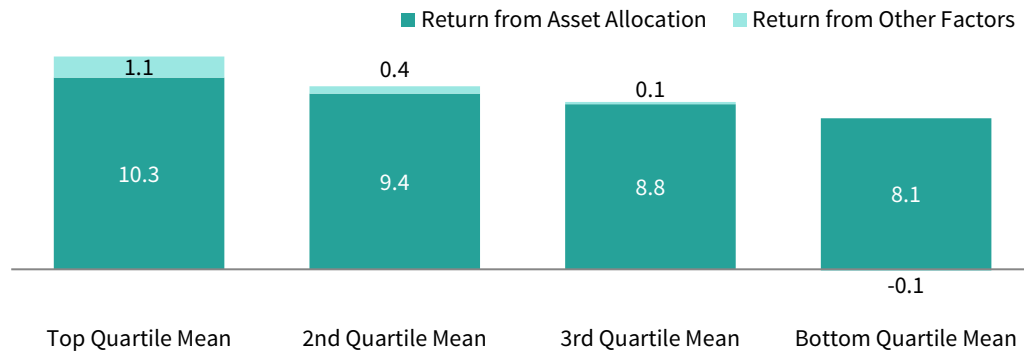
Note: Each institution's private investment allocation represents the mean for the 11 September 30 periods from 2011 to 2021.

TEN-YEAR ATTRIBUTION. The attribution model also points to an outperforming asset allocation structure for the top performance quartile over the last decade. Figure 10 shows that the top performance quartile had a mean asset class return of 10.3% for the trailing ten-year period, approximately 220 bps higher than the bottom performance quartile. The top performance quartile also added another 1.1% on average from other factors, while the bottom performance quartile lost an average of 0.1%.

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,

**FIGURE 10 10-YEAR ATTRIBUTION ANALYSIS BY PERFORMANCE QUARTILE:
US ENDOWMENTS AND FOUNDATIONS**

As of September 30, 2021 • Percent (%) • n = 241



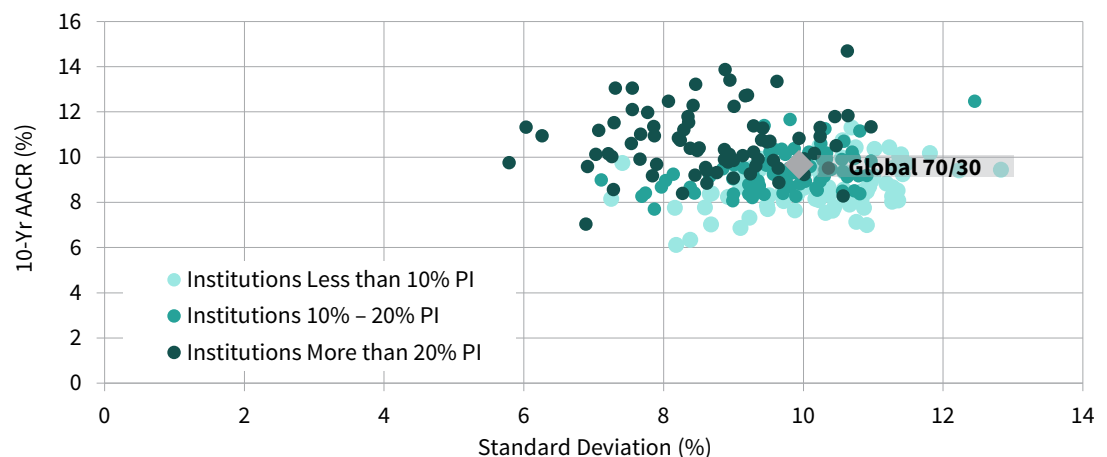
Source: Endowment and foundation data as reported to Cambridge Associates LLC.

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, Figure 11 shows sub-categories based on an institution's private investment allocation.

**FIGURE 11 STANDARD DEVIATION AND SHARPE RATIO:
US ENDOWMENTS AND FOUNDATIONS**

10 Years Ended September 30, 2021



	All Institutions		Mean by PI Allocation			70/30 Global Benchmark
	Mean		Less than 10%	10% – 20%	More than 20%	
10-Yr AACR	9.6		8.6	9.4	10.7	9.7
Standard Deviation	9.6		10.2	9.7	8.7	9.9
Sharpe Ratio	0.97		0.81	0.92	1.17	0.93
n	241		82	82	77	

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 20% to private investments over the last ten years reported an average Sharpe ratio of 1.17, 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.

Hedge Fund Research data are preliminary for the preceding five months.

Figure 3: 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 6: 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 11: 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 September 30 periods from 2011 to 2021. The Global 70/30 benchmark is composed of 70% MSCI ACWI / 30% Bloomberg Aggregate Bond Index.

Appendix: Figures A–D

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

As of September 30, 2021 • Percent (%)

	Colleges & Universities <i>n</i> = 124		Cultural & Environmental 48		Foundations 109		Healthcare 31		Independent Schools 29		Other Nonprofits 41	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
Public Equity	42.9	42.8	47.1	47.5	46.2	45.6	43.7	43.7	49.0	49.4	52.9	53.0
Global	8.4	6.2	11.0	10.7	10.6	8.2	8.4	6.5	13.7	14.6	11.2	8.9
US	19.4	19.6	21.0	20.5	19.9	19.7	19.3	17.3	22.0	21.7	23.6	24.4
Global ex US Developed	9.8	9.4	10.6	9.9	10.3	10.3	10.7	8.7	9.1	7.5	12.8	14.2
Emerging Markets	5.3	5.5	4.5	4.0	5.4	5.5	5.3	5.5	4.1	3.8	5.3	5.0
PE/VC	20.5	20.8	13.8	12.2	18.1	18.6	13.3	12.0	11.1	12.3	8.7	7.7
Non-Venture Private Equity	9.8	7.8	7.2	4.2	9.3	7.3	6.2	4.5	4.0	2.8	3.6	2.3
Venture Capital	8.8	8.2	5.0	5.3	6.2	5.1	5.8	5.7	5.2	3.8	3.3	1.3
Other Private Investments	2.0	0.8	1.6	1.0	2.6	1.1	1.3	0.5	1.9	1.3	1.7	1.0
Hedge Funds	15.5	14.9	19.4	18.6	13.7	13.0	18.9	19.0	21.6	22.4	17.0	18.1
Long/Short	6.8	5.3	8.0	7.5	5.4	4.1	7.6	6.5	12.4	11.1	5.7	4.7
Absolute Return	7.6	7.6	10.3	9.5	7.5	7.9	9.9	9.7	9.0	10.0	10.2	10.1
Distressed	1.1	0.2	1.1	0.1	0.8	0.0	1.5	1.0	0.3	0.0	1.1	0.0
Real Assets & ILBs	7.2	6.8	4.6	4.2	6.0	5.3	5.6	5.2	4.3	4.4	4.1	3.4
Private Real Estate	2.7	1.8	1.3	0.3	2.0	0.8	1.6	0.7	0.8	0.0	0.6	0.0
Public Real Estate	0.5	0.0	0.4	0.0	0.4	0.0	0.5	0.0	0.1	0.0	0.4	0.0
Commodities	0.3	0.0	0.3	0.0	0.3	0.0	0.5	0.0	0.4	0.0	0.1	0.0
Inflation Linked-Bonds	0.4	0.0	0.5	0.0	0.5	0.0	0.8	0.0	0.4	0.0	0.8	0.0
Private O&G/Nat Resources	2.5	2.2	1.6	0.9	1.8	1.4	1.3	0.5	1.6	0.7	1.0	0.6
Public Energy/Nat Resources	0.8	0.0	0.6	0.0	1.0	0.0	0.9	0.0	1.0	0.0	1.2	0.0
Bonds	7.8	7.5	8.6	8.6	10.4	10.4	12.7	12.4	6.8	5.9	11.9	10.7
Global	0.1	0.0	0.5	0.0	0.5	0.0	0.4	0.0	0.0	0.0	1.0	0.0
US	7.3	7.4	7.9	8.0	9.6	9.5	11.7	9.6	6.6	5.9	10.9	10.2
Global ex US	0.1	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0
High-Yield Bonds	0.2	0.0	0.2	0.0	0.3	0.0	0.4	0.0	0.1	0.0	0.0	0.0
Private Credit	1.9	1.4	1.5	0.9	1.7	0.8	1.5	1.2	1.9	1.2	0.7	0.0
Distressed - Control Oriented	0.8	0.4	0.3	0.1	0.7	0.2	0.8	0.1	0.7	0.0	0.3	0.0
Private Credit ex Distressed	1.1	0.2	1.2	0.4	1.1	0.4	0.7	0.1	1.2	0.8	0.4	0.0
Cash & Equivalents	3.3	2.8	5.1	4.5	3.4	2.6	3.8	2.8	4.5	3.0	4.3	2.4
Other Assets	0.9	0.0	-0.1	0.0	0.6	0.0	0.5	0.0	0.8	0.0	0.5	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 September 30, 2021 • Percent (%)

	All Endow & Fdn <i>n</i> = 382		Less than \$100M 55		\$100M – \$200M 67		\$200M – \$500M 85		\$500M – \$1B 51		More than \$1B 124	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
Public Equity	46.0	46.0	55.8	57.3	49.7	52.3	49.0	47.4	43.6	44.7	38.5	38.1
Global	10.1	8.1	13.9	10.7	11.1	10.1	10.4	9.4	8.5	7.4	8.3	6.4
US	20.4	20.1	23.9	23.5	22.2	22.7	23.0	19.0	19.9	21.2	16.1	13.9
Global ex US Developed	10.4	10.2	12.9	14.2	11.7	12.6	10.7	12.1	10.6	9.9	8.4	7.5
Emerging Markets	5.1	5.1	5.0	5.3	4.6	4.7	5.0	5.1	4.7	5.2	5.7	5.5
PE/VC	16.4	16.2	7.8	2.0	11.8	10.6	13.9	13.3	19.2	17.9	23.3	23.9
Non-Venture Private Equity	7.9	5.9	3.4	0.0	5.5	4.7	6.1	4.7	9.3	7.8	12.0	9.7
Venture Capital	6.5	5.7	1.8	0.0	3.4	2.9	5.0	5.8	8.2	7.0	10.5	10.2
Other Private Investments	2.0	0.9	2.6	0.3	2.9	2.0	2.8	0.3	1.7	1.4	0.9	0.0
Hedge Funds	16.4	15.8	14.2	14.6	16.8	16.9	15.7	14.7	16.1	13.3	17.6	16.8
Long/Short	6.9	5.5	5.5	4.1	7.0	4.9	6.3	4.7	6.1	4.2	8.2	7.8
Absolute Return	8.5	8.3	8.4	8.5	9.4	7.9	8.5	8.6	8.6	8.4	8.0	8.0
Distressed	1.0	0.0	0.3	0.0	0.5	0.0	0.9	0.1	1.4	1.3	1.5	1.0
Real Assets & ILBs	5.8	5.1	4.5	4.1	4.3	3.9	4.6	4.7	6.5	6.5	7.8	6.8
Private Real Estate	1.8	0.8	0.7	0.0	0.7	0.1	0.9	0.5	2.6	1.6	3.4	2.4
Public Real Estate	0.4	0.0	0.6	0.0	0.2	0.0	0.4	0.0	0.5	0.0	0.4	0.0
Commodities	0.3	0.0	0.2	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.5	0.0
Inflation Linked-Bonds	0.5	0.0	0.6	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.3	0.0
Private O&G/Nat Resources	1.9	1.5	0.8	0.0	1.2	0.3	1.6	0.7	2.0	2.2	2.8	2.6
Public Energy/Nat Resources	0.9	0.0	1.7	0.0	1.0	0.0	1.0	0.0	0.7	0.0	0.5	0.0
Bonds	9.4	9.1	13.1	12.5	11.1	10.6	10.5	10.3	8.5	8.1	6.4	6.5
Global	0.4	0.0	0.7	0.0	0.5	0.0	0.1	0.0	0.3	0.0	0.3	0.0
US	8.7	8.5	12.0	11.8	10.4	10.3	10.3	8.0	7.9	8.0	5.6	5.2
Global ex US	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2	0.0
High-Yield Bonds	0.2	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.4	0.0
Private Credit	1.6	1.0	0.6	0.0	1.7	0.8	1.5	0.7	2.0	1.7	2.0	1.4
Distressed - Control Oriented	0.6	0.1	0.3	0.0	0.6	0.1	0.5	0.1	1.0	0.7	0.7	0.2
Private Credit ex Distressed	1.0	0.2	0.3	0.0	1.1	0.3	1.0	0.1	1.0	0.4	1.2	0.1
Cash & Equivalents	3.9	2.8	3.4	2.3	4.1	2.5	3.6	2.3	3.9	2.9	3.9	3.3
Other Assets	0.6	0.0	0.7	0.0	0.5	0.0	1.3	0.0	0.1	0.0	0.4	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 September 30, 2021 • Percent (%)

	Latest Qtr	Calendar YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
All Endowments & Foundations						
5th %ile	3.2	24.3	38.8	17.5	14.9	12.1
25th %ile	0.2	14.8	29.7	13.3	12.0	10.2
Median	-0.3	11.8	25.2	11.4	10.8	9.3
75th %ile	-0.6	9.5	22.3	10.3	9.9	8.5
95th %ile	-1.2	7.1	18.0	8.3	8.5	7.7
Mean	0.1	12.8	26.5	12.0	11.1	9.5
<i>n</i>	382	382	381	378	371	345
Less than \$100M						
5th %ile	1.0	14.6	32.5	13.1	11.3	10.4
25th %ile	-0.2	10.9	25.2	11.4	10.7	9.3
Median	-0.6	9.2	22.8	10.4	9.9	8.6
75th %ile	-0.9	7.7	19.9	9.2	9.0	8.2
95th %ile	-1.5	6.2	16.3	7.1	7.7	6.9
Mean	-0.5	9.7	22.8	10.3	9.8	8.6
<i>n</i>	55	55	54	54	50	41
\$100M – \$200M						
5th %ile	0.7	15.6	31.0	13.4	11.8	10.4
25th %ile	0.0	11.9	26.3	11.9	11.1	9.4
Median	-0.5	10.0	23.2	10.8	10.4	8.7
75th %ile	-0.7	9.0	21.1	9.9	9.5	8.3
95th %ile	-1.2	6.0	16.6	7.8	8.0	7.5
Mean	-0.4	10.5	23.5	11.1	10.3	8.9
<i>n</i>	67	67	67	66	65	62
\$200M – \$500M						
5th %ile	0.5	16.6	33.0	14.6	13.2	10.7
25th %ile	-0.1	12.7	27.1	12.4	11.5	9.8
Median	-0.4	11.2	24.7	11.2	10.5	8.9
75th %ile	-0.7	10.1	22.7	10.1	9.7	8.4
95th %ile	-1.1	7.8	18.3	8.9	8.8	7.9
Mean	-0.3	11.6	25.3	11.4	10.6	9.1
<i>n</i>	85	85	85	85	84	81
\$500M – \$1B						
5th %ile	1.6	21.0	36.1	16.1	14.4	10.8
25th %ile	0.1	14.8	29.0	12.9	11.7	9.8
Median	-0.3	12.1	26.2	11.4	10.6	9.3
75th %ile	-0.6	10.1	23.0	10.5	10.0	8.8
95th %ile	-1.1	7.8	19.4	8.9	9.0	8.1
Mean	0.0	12.6	27.0	12.0	11.1	9.4
<i>n</i>	51	51	51	51	51	49
More than \$1B						
5th %ile	4.6	27.9	44.4	18.9	16.0	13.1
25th %ile	1.9	19.4	34.9	15.8	13.6	11.3
Median	0.2	14.6	28.9	13.6	12.1	10.3
75th %ile	-0.3	11.9	25.0	11.0	10.7	9.5
95th %ile	-1.2	9.0	20.4	9.7	9.1	8.4
Mean	0.9	16.3	30.2	13.7	12.4	10.5
<i>n</i>	124	124	124	122	121	112

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 September 30, 2021 • Percent (%)

	Latest Qtr	Calendar YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
Colleges & Universities						
5th %ile	3.2	26.1	42.5	18.8	15.7	12.5
25th %ile	0.3	16.6	32.7	14.4	13.0	10.7
Median	-0.2	13.5	28.2	12.6	11.6	9.8
75th %ile	-0.5	11.2	24.8	11.0	10.4	9.0
95th %ile	-1.0	9.0	21.2	9.5	9.2	8.3
Mean	0.3	15.0	29.5	13.1	11.9	10.0
<i>n</i>	124	124	123	123	123	119
Cultural & Environmental						
5th %ile	2.4	20.1	34.2	16.1	13.5	10.8
25th %ile	0.0	12.7	26.4	12.4	11.5	10.2
Median	-0.3	11.2	24.0	11.1	10.7	9.4
75th %ile	-0.7	9.1	21.8	10.2	9.8	8.5
95th %ile	-1.1	6.7	17.9	9.2	8.8	7.7
Mean	0.0	11.6	24.5	11.5	10.7	9.3
<i>n</i>	48	48	48	48	47	46
Foundations						
5th %ile	3.9	25.7	39.2	17.7	14.8	12.3
25th %ile	0.2	14.8	30.1	13.6	12.1	10.1
Median	-0.3	11.6	25.6	11.5	10.8	9.4
75th %ile	-0.7	9.6	22.8	10.3	9.9	8.7
95th %ile	-1.2	6.6	16.8	8.2	8.6	7.9
Mean	0.2	12.9	26.8	12.3	11.2	9.6
<i>n</i>	109	109	109	106	103	93
Healthcare						
5th %ile	3.2	16.7	32.1	15.2	13.4	10.9
25th %ile	0.8	13.4	25.5	11.7	11.0	9.4
Median	0.0	10.7	23.3	10.7	10.1	8.7
75th %ile	-0.6	9.3	21.8	10.0	9.3	8.4
95th %ile	-1.1	8.7	18.9	8.7	8.5	7.7
Mean	0.4	11.7	24.1	11.1	10.4	8.9
<i>n</i>	31	31	31	31	30	27
Independent Schools						
5th %ile	1.1	16.2	33.2	14.9	12.1	11.0
25th %ile	0.3	11.7	26.4	11.9	10.8	9.5
Median	-0.5	9.5	22.0	10.7	10.0	8.5
75th %ile	-0.9	7.8	20.1	9.4	9.3	8.2
95th %ile	-2.4	6.3	17.0	8.3	8.7	7.2
Mean	-0.4	10.2	23.2	10.9	10.2	8.8
<i>n</i>	29	29	29	29	28	27
Other Nonprofits						
5th %ile	0.4	15.1	29.4	12.5	11.4	10.2
25th %ile	-0.1	11.8	25.1	11.0	10.4	9.2
Median	-0.6	9.7	23.1	10.6	10.0	8.5
75th %ile	-0.9	8.2	20.9	9.1	9.0	8.0
95th %ile	-1.4	6.5	16.2	6.8	7.5	6.8
Mean	-0.5	10.0	22.7	10.1	9.7	8.6
<i>n</i>	41	41	41	41	40	33

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

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