

1ST QUARTER • 2021

ENDOWMENTS QUARTERLY

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

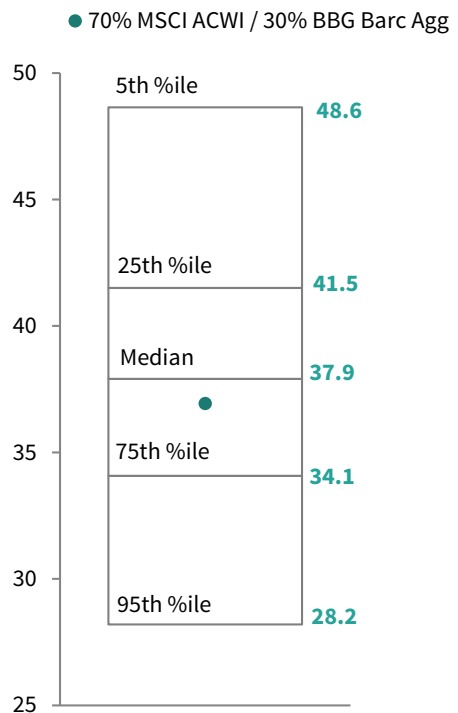
TRAILING ONE-YEAR RESULTS

The median return of the endowment and foundation universe was 37.9% for the trailing one-year period (Figure 1). Returns for the middle half of the universe ranged from 41.5% at the 25th percentile to 34.1% at the 75th percentile. The 5th percentile return at the top end of the universe was 48.6%, while the 95th percentile at the bottom of the universe was 28.2%.

This trailing one-year period began just as markets were beginning to recover from the steep declines that were induced by the onset of the COVID-19 pandemic. While the returns reported by institutions over this period are extraordinary on the surface, they are even more remarkable when placed in the historical context. Figure 2 incorporates over 40 years of endowment and foundation performance data collected by Cambridge Associates and displays the trailing one-year median returns since 1980. The median return for the most recent trailing one-year period was the third highest calculated over the entire history. Only the one-year periods ending March 31 and June 30 in 1983 resulted in a higher median return than what was experienced through March 31 of this year. As detailed in the next section, returns could be revised even higher for many institutions once all private investment activity has been gathered for first quarter 2021.

FIGURE 1 NOMINAL TRAILING ONE-YEAR RETURNS

Period Ended March 31, 2021 • Percent (%) • n = 396

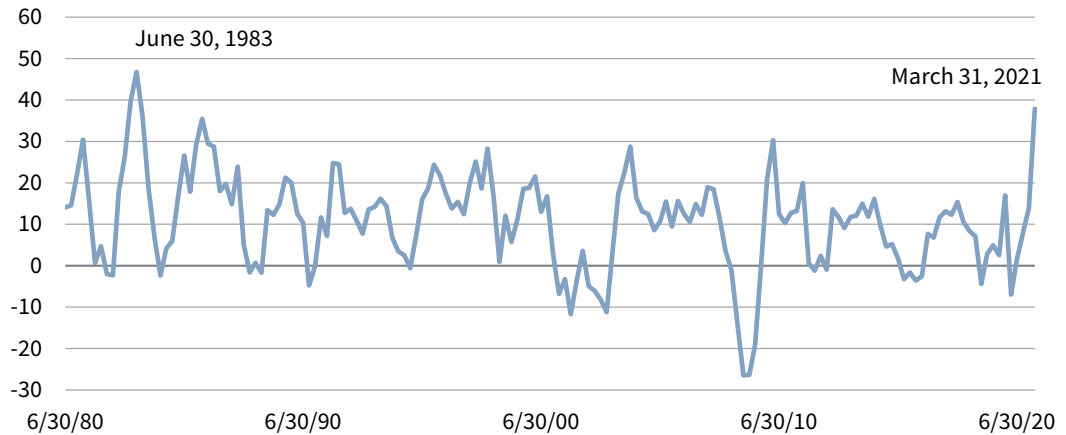


Sources: Endowment and foundation data as reported to Cambridge Associates LLC. Index data are provided by Bloomberg Index Services Limited and MSCI Inc. MSCI data provided "as is" without any express or implied warranties.

Published June 11, 2021

FIGURE 2 TRAILING ONE-YEAR MEDIAN RETURNS

Quarters Ending June 30, 1980 – March 31, 2021



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

Note: The number of institutions included in the median calculation varies from one period to the next, and is significantly smaller in earlier years compared to the present day.

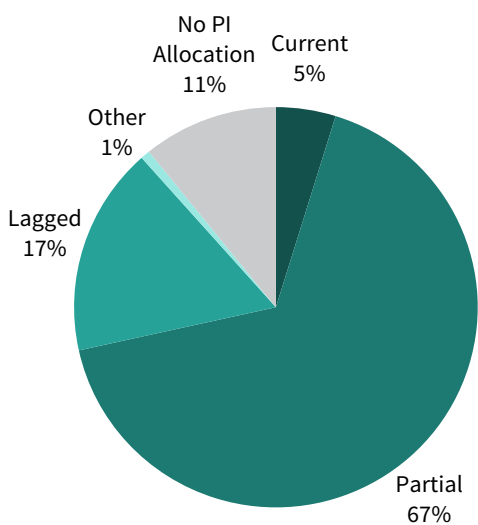
PRIVATE INVESTMENT REPORTING METHODOLOGIES.

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 (67%) 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 March 31 valuations become available, first quarter 2021 returns will be restated to reflect actual private performance (Figure 3). Total returns will be revised higher if private investment strategies produce positive returns for the first quarter.

FIGURE 3 PERFORMANCE REPORTING METHODOLOGIES: US ENDOWMENTS AND FOUNDATIONS

As of March 31, 2021

Performance Reporting Methodology



By Asset Size

	Current Basis	Partial Basis	Lagged Basis	Other	No PI Allocation
Less than \$100M	-	63%	-	-	38%
<i>n</i>		45			27
\$100M – \$200M	-	87%	-	-	13%
<i>n</i>		59			9
\$200M – \$500M	-	90%	1%	1%	7%
<i>n</i>		73	1	1	6
\$500M – \$1B	5%	80%	15%	-	-
<i>n</i>	3	44	8		
More than \$1B	13%	37%	47%	2%	1%
<i>n</i>	16	45	57	2	1

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

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 January 1, 2020, to December 31, 2020. 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 April 1, 2020, to March 31, 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 March 31.

Performance was negative for all private investment indexes for first quarter 2020, with some strategies down double-digit percentage points. The lagged basis is the only methodology that incorporates this quarter of private performance in the trailing one-year total return calculation. Thus, an institution using the lagged methodology would calculate a lower trailing one-year return than if it used one of the other reporting methodologies (Figure 4).

FIGURE 4 CAMBRIDGE ASSOCIATES PRIVATE INVESTMENT INDEX RETURNS

	One Quarter End-to-End Pooled Return (%)				
	Q1 2020	Q2 2020	Q3 2020	Q4 2020	Q1 2021
US Private Equity	-7.9	10.5	12.0	12.2	NA
Global ex US Private Equity	-10.3	8.8	10.7	16.6	NA
US Venture Capital	-2.8	9.4	12.2	26.5	NA
Global ex US Venture Capital	-2.1	15.5	7.7	22.9	NA
Real Estate	-6.9	0.8	3.7	4.3	NA
Natural Resources	-22.1	3.3	1.4	5.9	NA

Lagged Basis
 Partial Basis

Source: Cambridge Associates LLC.

Note: NA indicates data were not available.

ONE-YEAR ASSET ALLOCATION.

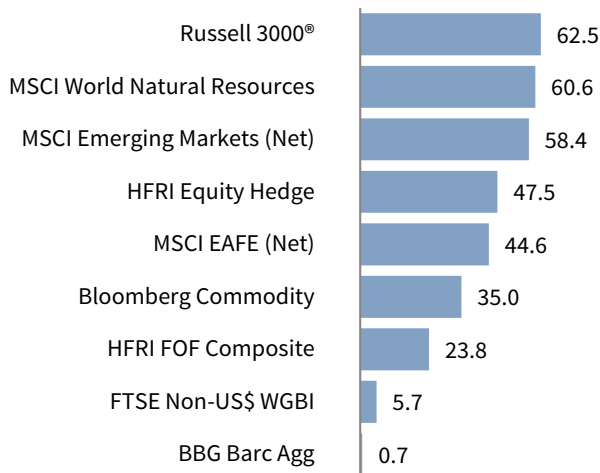
Figure 5 explores the relationship between the returns and asset allocations of participating institutions. For this analysis, each institution's asset allocation was averaged across the beginning and ending points for the trailing one-year period. The four quartiles in the heat map table represent the average of the institutions within each quartile.

The index returns in the top half of Figure 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 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 first quarter 2021, the period evaluated for the private investment and mPME indexes is for the trailing nine months ended December 31, 2020.

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

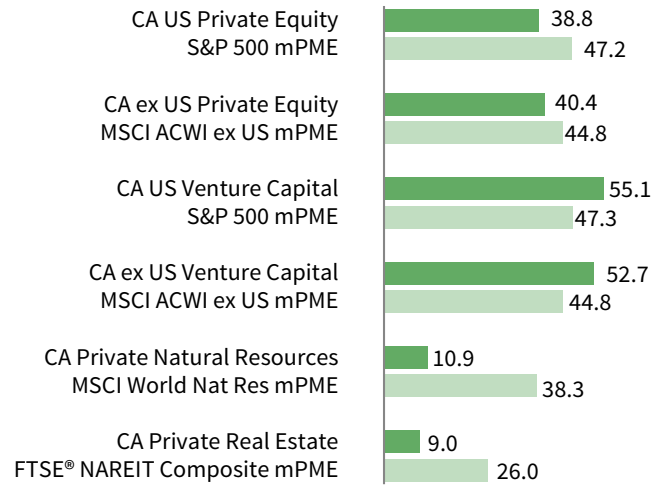
Public Indexes

Trailing 1 Year as of 3/31/21



Private Index IRRs and mPME IRRs

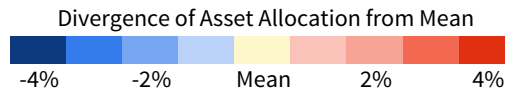
Trailing 9 Months as of 12/31/20



Mean Asset Allocation by Performance Quartile: March 31, 2020 to March 31, 2021

n = 388

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	25.6	15.7	7.3	9.0	15.6	2.2	15.4	3.0	2.1	3.2	1.0
2nd Quartile	25.7	16.3	7.3	10.2	16.3	2.4	11.9	3.1	2.9	3.4	0.4
3rd Quartile	23.4	13.6	7.1	10.4	17.4	2.7	14.8	4.6	1.8	4.1	0.1
Bottom Quartile	22.1	12.9	6.2	14.0	16.0	3.1	12.2	5.4	2.3	5.0	0.8
E&F Universe Mean	24.2	14.6	7.0	10.9	16.3	2.6	13.6	4.1	2.3	3.9	0.6



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.

Given the enormous spread in returns between equities and bonds over the past year, institutions with higher equity allocations tended to have the best performance for the trailing one-year periods. When considering the combination of long-only public equity and private equity and venture capital (PE/VC) strategies, the top quartile of performers reported an average allocation of 64.0% over the trailing one-year period. In contrast, the average total equity allocation for the bottom quartile of performers was 53.4%. Similarly, top performers' average combined allocation to bonds and cash was 12.2%, while for bottom performers the average was 19.0%.

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 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 6 illustrates the results of the attribution analysis for the trailing one-year period based on 388 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 38.0% for the trailing one-year period and a return from other factors of just 0.1%.

The table on the bottom part of Figure 6 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 had the highest index return among the asset classes and accounted for over 20% of the average portfolio. Therefore, it is no surprise to see this category, by a wide margin, had the greatest positive impact of all the asset class return contributors. There was not a single strategy that had a negative contribution to the asset allocation return component over this trailing one-year period.

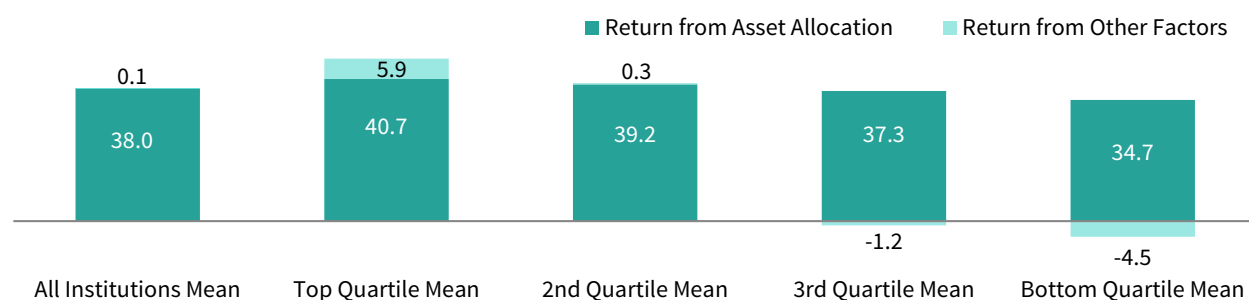
PERFORMANCE METHODOLOGY DESCRIPTIONS																	
Current Basis																	
Total investment pool return for the trailing one-year period includes marketable asset performance and private investment performance for April 1, 2020, to March 31, 2021.	<table border="1"> <thead> <tr> <th colspan="4">Marketable Assets</th> </tr> <tr> <th>2Q20</th> <th>3Q20</th> <th>4Q20</th> <th>1Q21</th> </tr> </thead> <tbody> <tr> <td colspan="4">Private Investments</td> </tr> </tbody> </table>	Marketable Assets				2Q20	3Q20	4Q20	1Q21	Private Investments							
Marketable Assets																	
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Private Investments																	
Partial Basis																	
Total investment pool return for the trailing one-year period includes marketable asset performance for April 1, 2020, to March 31, 2021. Private investment portion of the investment pool reflects actual performance for April 1, 2020, to December 31, 2020, and a flat return (0%) for December 31, 2020, to March 31, 2021.	<table border="1"> <thead> <tr> <th colspan="4">Marketable Assets</th> </tr> <tr> <th>2Q20</th> <th>3Q20</th> <th>4Q20</th> <th>1Q21</th> </tr> </thead> <tbody> <tr> <td colspan="3">Actual Return</td> <td>0%</td> </tr> <tr> <td colspan="4">Private Investments</td> </tr> </tbody> </table>	Marketable Assets				2Q20	3Q20	4Q20	1Q21	Actual Return			0%	Private Investments			
Marketable Assets																	
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Private Investments																	
Lagged Basis																	
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Private Investments																	

Figure 6 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 40.7%, approximately 600 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 (5.9%) being over 1,000 bps higher than the bottom quartile (-4.5%).

**FIGURE 6 1-YR RETURN ATTRIBUTION ANALYSIS BY PERFORMANCE QUARTILE:
US ENDOWMENTS AND FOUNDATIONS**

As of March 31, 2021 • Percent (%) • n = 388

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	22.6	62.5	14.1
Global ex US Equity: Developed Mkts	14.6	44.6	6.5
Global ex US Equity: Emerging Mkts	6.7	58.4	3.9
Venture Capital	5.7	55.4	3.2
Long/Short Hedge Funds	6.5	47.5	3.1
Non-Venture Private Equity	5.5	38.8	2.0
Absolute Return (ex Distressed)	10.4	18.9	2.0
Other Private Investments	1.7	43.1	0.7
Public Energy/Natural Resources	1.1	60.6	0.6
Distressed: Hedge Fund Structure	1.3	36.8	0.5
Distressed: Private Equity Structure	1.5	23.2	0.3
Other	0.6	36.9	0.2
Private Real Estate	2.1	9.0	0.2
Public Real Estate	0.4	36.8	0.2
Private Oil & Gas/Natural Resources	2.5	10.9	0.1
Commodities	0.3	35.0	0.1
US Bonds	11.4	0.7	0.1
High-Yield Bonds	0.3	23.7	0.1
Inflation-Linked Bonds	0.6	7.5	0.0
Global ex US Bonds: Emerging Mkts	0.2	16.0	0.0
Global ex US Bonds: Developed Mkts	0.2	5.7	0.0
Cash & Equivalents	3.8	0.1	0.0
Timber	0.1	0.7	0.0

* Private investment benchmark returns are for the period of 4/1/20 to 12/31/20.

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

TRAILING TEN-YEAR RESULTS

The median trailing ten-year return was 7.4% (Figure 7). Returns ranged from 10.2% at the 5th percentile to 5.8% at the 95th percentile. A blended index return consisting of 70% MSCI ACWI and 30% Bloomberg Barclays Aggregate Bond Index earned 8.0%, and it would have landed within the second performance quartile of the respondent group.

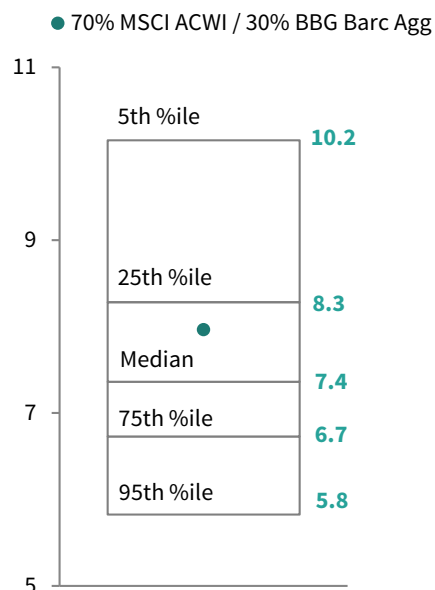
TEN-YEAR ASSET ALLOCATION.

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 March 31 periods that fell from 2011 to 2021. The four quartiles in the heat map table 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 26.5% for the top quartile of performers over this ten-year period and just 6.2% for the bottom quartile of performers.

FIGURE 7 NOMINAL TRAILING TEN-YEAR RETURNS

Period Ended March 31, 2021 • Percent (%) • n = 357



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

397 US endowments and foundations participated in our quarterly survey

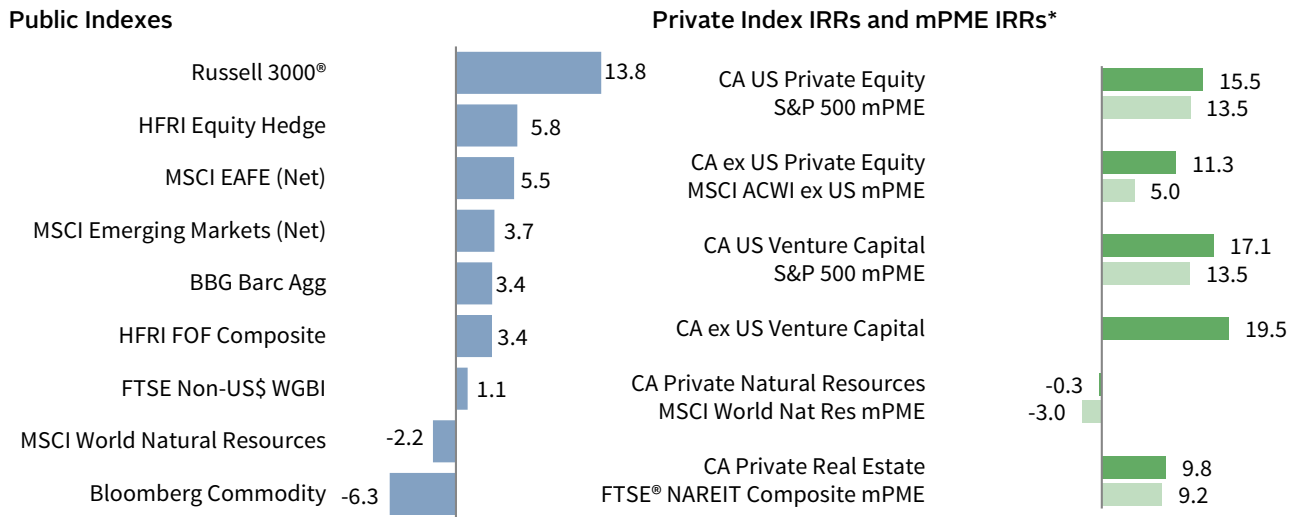
\$1.7B Average market value of participating long-term investment portfolios

\$369.1M Median value

Returns are reported net of external manager fees for 395 of 397 institutions in this universe. Past Cambridge Associates surveys have shown that approximately 10%–15% of institutions also deduct investment oversight costs in the net of fee calculation.

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

As of March 31, 2021 • Percent (%)



Mean Asset Allocation by Performance Quartile: March 31, 2011 to March 31, 2021

n = 252

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	18.7	11.5	7.4	7.2	18.5	3.3	18.2	8.3	2.9	3.8	0.3
2nd Quartile	22.8	15.3	7.4	10.3	18.7	3.7	9.4	4.9	3.9	3.6	0.1
3rd Quartile	22.4	15.6	7.2	12.2	18.4	3.2	7.6	3.6	5.8	3.4	0.8
Bottom Quartile	22.0	16.4	7.4	14.0	19.8	2.9	4.1	2.1	6.4	4.3	0.5
E&F Universe Mean	21.5	14.7	7.3	10.9	18.8	3.2	9.8	4.8	4.7	3.8	0.4



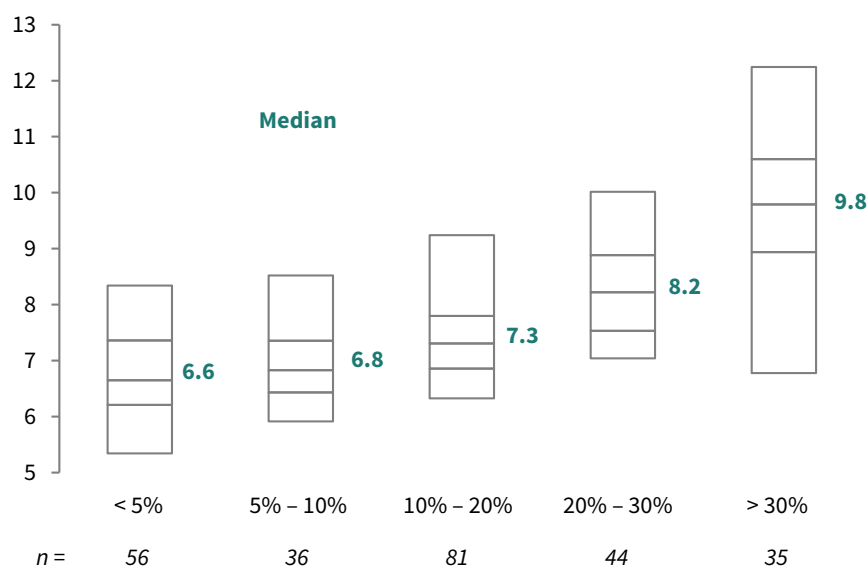
* Private investment benchmark IRRs and mPME IRRs are for the period 4/1/2011 to 12/31/2020.

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 9 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 9.8%, approximately 320 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 9 RANGE OF 10-YR RETURNS BY PRIVATE INVESTMENT ALLOCATION

As of March 31, 2021 • Percent (%)



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

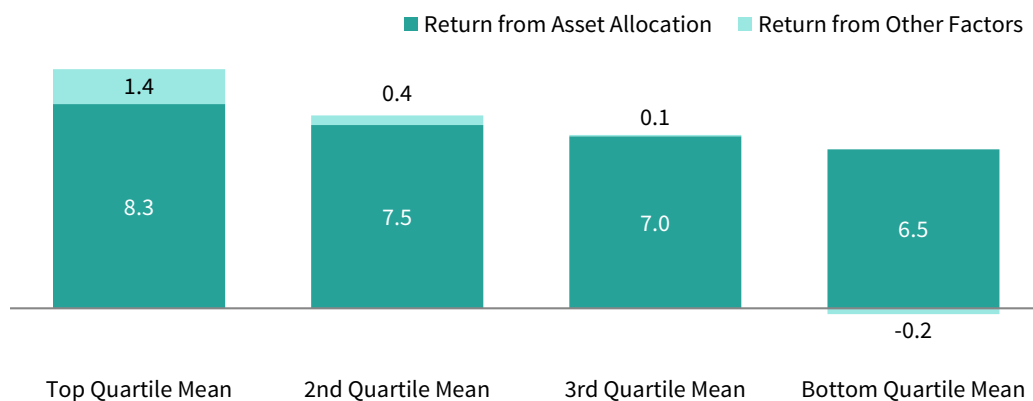
Note: Each institution's private investment allocation represents the mean for the 11 March 31 periods from 2011 to 2021.

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 8.3% for the trailing ten-year period, approximately 180 bps higher than the bottom performance quartile. The top performance quartile also added another 1.4% on average from other factors, while the bottom performance quartile lost an average of 0.2%.

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

As of March 31, 2021 • Percent (%) • n = 252



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

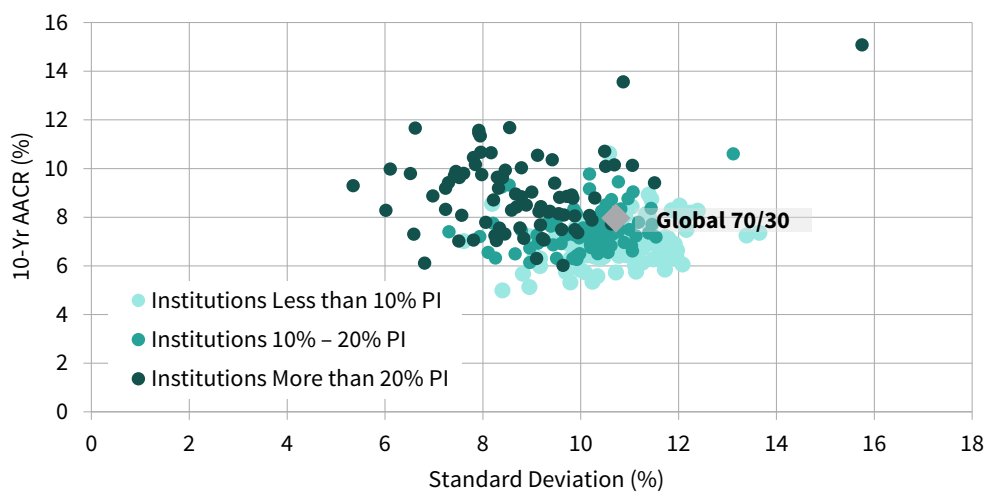
SHARPE RATIO.

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 11 based on their allocations to private investments.

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

10 Years Ended March 31, 2021



	All Institutions	Mean by PI Allocation			70/30 Global
	Mean	Less than 10%	10% - 20%	More than 20%	Benchmark
10-Yr AACR	7.7	6.9	7.5	9.0	8.0
Standard Deviation	9.9	10.8	10.1	8.7	10.7
Sharpe Ratio	0.76	0.62	0.71	0.99	0.72
<i>n</i>	252	92	81	79	

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 0.99, 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 are reported net of external manager fees for 395 of 397 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.

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 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 March 31 periods from 2011 to 2021. 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 March 31, 2021 • Percent (%)

	Colleges & Universities <i>n</i> = 136		Cultural & Environmental 49		Foundations 109		Healthcare 31		Independent Schools 30		Other Nonprofits 42	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
US Equity	24.1	23.9	27.3	26.7	25.8	26.4	24.7	25.2	28.9	29.2	29.3	30.0
Global ex US Equity	20.8	20.5	22.9	24.1	22.0	22.6	21.0	20.1	21.5	21.2	24.4	24.6
Developed Markets	13.7	13.1	15.6	16.5	14.6	15.0	14.4	14.4	14.4	13.9	16.8	17.3
Emerging Markets	7.1	7.1	7.3	7.6	7.4	7.0	6.6	6.7	7.0	5.9	7.6	7.3
Bonds	7.9	7.9	9.1	9.0	11.3	10.8	13.0	13.2	7.3	6.8	12.2	11.5
US Bonds	7.5	7.5	8.5	8.7	10.7	10.2	12.2	12.2	7.1	6.8	11.7	11.1
Global ex US Bonds (DM)	0.1	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.1	0.0
Global ex US Bonds (EM)	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.3	0.0
High-Yield Bonds	0.3	0.0	0.2	0.0	0.3	0.0	0.4	0.0	0.1	0.0	0.0	0.0
Hedge Funds	14.8	14.4	19.1	16.6	13.1	13.3	17.3	17.7	21.0	21.4	16.0	17.4
Long/Short Hedge Funds	6.6	5.2	8.0	7.8	5.5	4.4	7.6	6.5	12.2	10.6	5.7	4.6
Absolute Return (ex Distressed)	8.3	8.1	11.1	10.0	7.5	7.6	9.8	9.9	8.8	8.4	10.3	10.3
Distressed Securities	2.7	2.4	2.4	1.3	2.3	1.4	2.7	2.2	2.2	1.6	1.8	0.8
Hedge Fund Structure	1.3	0.8	1.2	0.0	0.8	0.0	1.4	1.0	0.4	0.0	1.1	0.0
Private Equity Structure	1.5	1.1	1.1	0.7	1.4	0.7	1.3	1.1	1.8	1.0	0.7	0.0
PE/VC	18.5	18.4	10.0	9.1	15.9	14.8	11.3	10.2	9.2	9.0	6.8	5.4
Non-Venture Private Equity	8.0	7.6	3.9	3.8	5.6	4.3	5.2	4.7	4.6	3.8	2.8	1.1
Venture Capital	8.9	6.6	4.9	2.8	8.2	5.0	5.0	3.0	3.1	1.9	2.7	1.6
Other Private Investments	1.7	0.5	1.2	0.6	2.1	0.7	1.1	0.3	1.4	0.8	1.3	0.7
Real Assets & ILBs	6.8	6.5	4.3	4.1	5.7	5.3	5.4	4.7	4.2	4.6	3.6	2.8
Private Real Estate	2.4	1.7	1.0	0.1	1.9	0.8	1.6	0.6	0.8	0.1	0.6	0.1
Public Real Estate	0.5	0.0	0.4	0.0	0.4	0.0	0.5	0.0	0.1	0.0	0.3	0.0
Commodities	0.3	0.0	0.3	0.0	0.4	0.0	0.5	0.0	0.4	0.0	0.1	0.0
ILBs	0.5	0.0	0.6	0.0	0.6	0.0	1.0	0.0	0.5	0.0	0.7	0.0
Private O&G/Nat Resources	2.2	2.0	1.3	0.5	1.5	1.1	1.0	0.3	1.5	1.1	0.9	0.2
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	0.6	0.0	0.8	0.0	0.7	0.0	0.9	0.0	0.9	0.0
Cash & Equivalents	3.5	3.1	5.0	4.4	3.6	2.7	4.0	2.4	5.3	4.3	5.5	3.4
Other Assets	0.9	0.0	0.0	0.0	0.5	0.0	0.6	0.0	0.4	0.0	0.4	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 March 31, 2021 • Percent (%)

	All Endow & Fdn <i>n</i> = 397		Less than \$100M 72		\$100M – \$200M 68		\$200M – \$500M 81		\$500M – \$1B 55		More than \$1B 121	
	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med	Mean	Med
US Equity	25.9	26.2	31.6	31.5	27.8	28.4	29.3	29.1	24.7	26.1	19.7	18.5
Global ex US Equity	21.8	21.7	25.5	25.6	23.3	24.2	22.0	22.5	20.7	21.0	19.3	18.7
Developed Markets	14.6	14.4	18.2	19.3	16.2	17.0	14.6	14.8	13.6	12.9	12.0	11.9
Emerging Markets	7.2	7.0	7.3	7.3	7.1	6.8	7.3	7.2	7.1	7.0	7.3	7.1
Bonds	9.8	9.2	12.9	12.5	11.7	11.8	11.0	10.4	9.2	9.0	6.2	5.7
US Bonds	9.3	8.9	12.3	12.0	11.3	11.3	10.8	9.9	8.8	8.9	5.5	4.9
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	0.2	0.0	0.1	0.0	0.1	0.0	0.1	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
Hedge Funds	15.7	15.2	14.6	14.9	15.9	15.6	14.8	14.1	14.3	11.0	17.4	16.2
Long/Short Hedge Funds	6.9	5.4	6.2	4.2	6.1	4.9	6.3	5.0	5.6	4.8	8.7	8.1
Absolute Return (ex Distressed)	8.8	8.6	8.4	8.1	9.9	8.8	8.4	8.9	8.7	7.2	8.7	8.7
Distressed Securities	2.4	1.7	1.0	0.0	2.1	1.0	2.3	1.7	3.4	2.8	3.1	2.4
Hedge Fund Structure	1.1	0.0	0.3	0.0	0.7	0.0	0.9	0.1	1.5	1.4	1.6	1.1
Private Equity Structure	1.3	0.8	0.7	0.0	1.4	0.6	1.3	0.9	1.8	1.6	1.5	1.1
PE/VC	14.2	12.8	5.7	1.7	9.7	8.9	11.5	11.0	16.9	15.3	22.4	22.4
Non-Venture Private Equity	5.8	4.9	1.6	0.0	3.2	2.7	4.8	4.5	7.2	7.0	9.9	9.7
Venture Capital	6.8	4.3	2.4	0.1	4.0	3.4	4.6	2.9	8.5	5.8	11.7	9.2
Other Private Investments	1.6	0.5	1.8	0.0	2.6	1.6	2.1	1.4	1.2	0.7	0.9	0.0
Real Assets & ILBs	5.5	4.7	3.7	3.5	4.7	4.4	4.4	4.5	6.5	5.6	7.5	6.7
Private Real Estate	1.7	0.7	0.5	0.0	0.7	0.1	0.8	0.4	2.5	1.5	3.2	2.5
Public Real Estate	0.4	0.0	0.6	0.0	0.3	0.0	0.4	0.0	0.6	0.0	0.4	0.0
Commodities	0.3	0.0	0.4	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.4	0.0
ILBs	0.6	0.0	0.7	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.4	0.0
Private O&G/Nat Resources	1.6	1.3	0.5	0.0	1.4	0.6	1.3	1.1	1.9	1.8	2.6	2.3
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	0.8	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.6	0.0	0.5	0.0
Cash & Equivalents	4.1	3.3	4.7	3.4	4.6	3.0	3.6	3.3	4.0	3.8	3.9	2.9
Other Assets	0.6	0.0	0.3	0.0	0.3	0.0	1.3	0.0	0.3	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 March 31, 2021 • Percent (%)

	Latest Qtr	Fiscal YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
All Endowments & Foundations						
5th %ile	9.9	31.0	48.6	15.0	13.5	10.2
25th %ile	4.1	25.0	41.5	10.8	11.0	8.3
75th %ile	2.3	20.1	34.1	8.5	9.4	6.7
95th %ile	1.0	17.2	28.2	6.8	8.2	5.8
Mean	3.7	23.1	38.1	9.9	10.4	7.6
Median	3.0	22.6	37.9	9.4	10.1	7.4
<i>n</i>	397	396	396	392	385	357
Less than \$100M						
5th %ile	4.4	26.7	47.3	11.1	11.0	8.2
25th %ile	3.8	24.2	41.6	9.5	10.1	7.4
75th %ile	2.3	20.2	34.9	7.9	8.9	6.0
95th %ile	0.5	15.6	29.9	5.8	7.3	5.3
Mean	2.8	21.8	38.5	8.7	9.4	6.7
Median	2.8	22.0	38.8	8.9	9.6	6.6
<i>n</i>	72	71	71	70	65	54
\$100M – \$200M						
5th %ile	4.2	25.8	44.8	10.7	11.1	8.3
25th %ile	3.2	23.2	40.2	9.7	10.4	7.5
75th %ile	2.0	19.2	33.5	8.0	9.2	6.4
95th %ile	1.1	15.8	27.0	6.9	8.3	6.1
Mean	2.7	21.1	36.7	8.9	9.8	7.0
Median	2.6	21.5	37.3	8.9	9.8	6.7
<i>n</i>	68	68	68	67	66	62
\$200M – \$500M						
5th %ile	4.8	26.8	47.8	12.3	11.9	8.7
25th %ile	3.5	24.3	42.1	10.3	10.7	7.7
75th %ile	2.4	20.8	35.3	8.7	9.5	6.7
95th %ile	1.5	17.4	31.1	7.4	8.4	6.0
Mean	3.0	22.5	38.9	9.6	10.1	7.2
Median	3.0	22.6	38.5	9.4	10.1	7.0
<i>n</i>	81	81	81	81	80	79
\$500M – \$1B						
5th %ile	6.3	31.6	49.1	15.1	14.2	10.0
25th %ile	3.6	24.2	40.0	10.4	10.8	8.0
75th %ile	2.0	19.9	32.8	8.3	9.3	7.0
95th %ile	0.7	16.6	27.4	7.1	8.3	6.5
Mean	2.9	22.7	36.9	9.9	10.3	7.6
Median	2.7	21.7	35.7	9.2	9.9	7.3
<i>n</i>	55	55	55	55	55	52
More than \$1B						
5th %ile	13.2	34.6	50.5	16.1	14.2	11.1
25th %ile	7.1	28.0	42.2	13.0	12.6	9.7
75th %ile	2.8	21.7	34.1	9.4	10.1	7.7
95th %ile	1.5	17.7	28.7	7.5	8.6	6.8
Mean	5.6	25.7	38.7	11.5	11.4	8.8
Median	4.4	24.6	37.6	11.0	11.2	8.8
<i>n</i>	121	121	121	119	119	110

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 March 31, 2021 • Percent (%)

	Latest Qtr	Fiscal YTD	Average Annual Compound Return			
			1 Yr	3 Yrs	5 Yrs	10 Yrs
Colleges & Universities						
5th %ile	10.7	31.7	50.3	15.5	14.0	10.6
25th %ile	4.8	26.6	42.0	12.0	12.0	8.9
75th %ile	2.6	21.5	35.2	9.0	9.8	7.2
95th %ile	1.2	18.1	30.4	7.5	8.8	6.4
Mean	4.4	24.3	39.2	10.7	10.9	8.1
Median	3.4	23.8	39.1	10.1	10.6	7.7
<i>n</i>	136	135	135	135	135	127
Cultural & Environmental						
5th %ile	5.8	29.5	46.3	12.2	12.0	8.9
25th %ile	3.5	23.3	40.1	9.9	10.7	8.3
75th %ile	2.3	19.8	34.4	8.3	9.4	6.9
95th %ile	1.2	17.5	29.2	7.5	8.3	5.6
Mean	3.2	22.0	37.7	9.4	10.1	7.4
Median	2.8	21.9	37.9	9.1	10.0	7.3
<i>n</i>	49	49	49	49	48	46
Foundations						
5th %ile	11.2	34.7	49.1	15.8	14.2	10.3
25th %ile	3.8	24.7	41.1	10.8	11.0	8.3
75th %ile	2.0	20.0	33.1	8.3	9.3	6.7
95th %ile	0.4	15.8	27.9	7.1	8.3	5.8
Mean	3.6	23.7	38.2	10.1	10.5	7.7
Median	2.7	22.3	37.3	9.4	10.3	7.3
<i>n</i>	109	109	109	106	102	94
Healthcare						
5th %ile	6.9	28.5	47.2	12.6	12.1	9.6
25th %ile	4.2	23.6	39.0	9.9	10.4	7.6
75th %ile	2.5	18.2	30.0	8.3	8.8	6.5
95th %ile	1.4	17.4	27.8	6.3	7.9	5.7
Mean	3.5	21.4	35.4	9.2	9.8	7.2
Median	3.2	21.0	34.1	9.1	9.6	7.1
<i>n</i>	31	31	31	31	30	28
Independent Schools						
5th %ile	4.4	26.6	45.1	12.0	11.5	8.3
25th %ile	3.4	24.4	41.8	9.7	10.2	7.6
75th %ile	1.8	20.2	34.7	8.3	9.0	6.4
95th %ile	0.7	15.4	26.4	6.9	8.5	5.9
Mean	2.6	21.8	38.0	9.2	9.7	7.1
Median	2.6	21.6	38.7	9.0	9.6	6.9
<i>n</i>	30	30	30	30	29	28
Other Nonprofits						
5th %ile	4.3	25.1	43.5	10.5	10.6	8.3
25th %ile	3.8	23.6	42.0	9.5	10.1	7.3
75th %ile	2.5	19.0	32.9	7.6	8.9	6.2
95th %ile	1.7	16.1	28.8	6.1	8.0	5.7
Mean	3.1	21.3	36.9	8.6	9.5	6.8
Median	3.1	21.9	37.4	8.8	9.6	6.7
<i>n</i>	42	42	42	41	41	34

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

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