

# Diversification matters

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Global ex-U.S. Fixed	Emerging Markets	Emerging Markets	Emerging Markets	Emerging Markets	Emerging Markets	Emerging Markets	U.S. Fixed	Emerging Markets	Small Cap	Real Estate Funds	Emerging Markets	Small Cap	Large Cap	Real Estate Funds	Small Cap	Emerging Markets	Real Estate Funds	Large Cap	Small Cap	Large Cap
	22.37%	55.82%	25.55%	34.00%	32.17%	39.38%	5.24%	78.51%	26.85%	14.96%	18.23%	38.82%	13.69%	13.95%	21.31%	37.28%	7.36%	31.49%	19.96%	28.71%
U.S. Fixed	Small Cap	Dev ex-U.S. Equity	Real Estate Funds	Dev ex-U.S. Equity	Real Estate Funds	Real Estate Funds	Global ex-U.S. Fixed	High Yield	Emerging Markets	U.S. Fixed	Dev ex-U.S. Equity	Large Cap	Real Estate Funds	Large Cap	High Yield	Dev ex-U.S. Equity	Cash Equivalent	Small Cap	Large Cap	Real Estate Funds
	10.26%	47.25%	20.38%	20.15%	25.71%	14.84%	4.39%	58.21%	18.88%	7.84%	16.41%	32.39%	11.46%	1.38%	17.13%	24.21%	1.87%	25.52%	18.40%	21.02%
Real Estate Funds	Dev ex-U.S. Equity	Small Cap	Dev ex-U.S. Equity	Small Cap	Hedge Funds	Cash Equivalent	Dev ex-U.S. Equity	Real Estate Funds	High Yield	Small Cap	Dev ex-U.S. Equity	U.S. Fixed	U.S. Fixed	Large Cap	Large Cap	U.S. Fixed	Dev ex-U.S. Equity	Emerging Markets	Small Cap	
	4.57%	39.42%	18.33%	14.47%	18.37%	12.56%	2.06%	33.67%	15.26%	4.98%	16.35%	21.02%	5.97%	0.55%	11.96%	21.83%	0.01%	22.49%	18.31%	14.82%
Hedge Funds	High Yield	Global ex-U.S. Fixed	Hedge Funds	Large Cap	Dev ex-U.S. Equity	Real Estate Funds	Small Cap	High Yield	Global ex-U.S. Fixed	Large Cap	Real Estate Funds	Small Cap	Cash Equivalent	Emerging Markets	Small Cap	High Yield	Emerging Markets	Global ex-U.S. Fixed	Dev ex-U.S. Equity	
	3.04%	28.97%	12.54%	7.61%	15.79%	12.44%	-10.70%	27.17%	15.12%	4.36%	16.00%	12.90%	4.89%	0.05%	11.19%	14.65%	-2.08%	18.44%	10.11%	12.62%
Cash Equivalent	Large Cap	Real Estate Funds	Large Cap	Real Estate Funds	Global ex-U.S. Fixed	Hedge Funds	Large Cap	Large Cap	Large Cap	High Yield	Hedge Funds	Hedge Funds	Hedge Funds	Real Estate Funds	Global ex-U.S. Fixed	Global ex-U.S. Fixed	High Yield	Dev ex-U.S. Equity	Hedge Funds	
	1.78%	28.68%	12.00%	4.91%	15.27%	11.03%	-19.07%	26.47%	15.06%	2.11%	15.81%	8.73%	4.13%	-0.71%	7.79%	10.51%	-2.15%	14.32%	7.59%	8.23%
High Yield	Global ex-U.S. Fixed	High Yield	Small Cap	Hedge Funds	U.S. Fixed	High Yield	Hedge Funds	Hedge Funds	Cash Equivalent	Real Estate Funds	High Yield	High Yield	Dev ex-U.S. Equity	Dev ex-U.S. Equity	High Yield	Hedge Funds	Hedge Funds	U.S. Fixed	High Yield	
	-1.37%	19.36%	11.13%	4.55%	13.86%	6.97%	-26.16%	18.57%	10.95%	0.10%	9.79%	7.44%	2.45%	-3.04%	2.75%	7.50%	-3.19%	9.31%	7.51%	5.28%
Emerging Markets	Hedge Funds	Large Cap	Cash Equivalent	High Yield	Large Cap	Small Cap	Global ex-U.S. Fixed	Dev ex-U.S. Equity	Hedge Funds	Hedge Funds	Cash Equivalent	Cash Equivalent	Cash Equivalent	Small Cap	U.S. Fixed	Hedge Funds	Large Cap	U.S. Fixed	High Yield	Cash Equivalent
	-6.16%	15.44%	10.88%	3.06%	11.85%	5.49%	-33.79%	7.53%	8.95%	-2.52%	7.67%	0.07%	0.04%	-4.41%	2.65%	7.12%	-4.38%	8.72%	7.11%	0.05%
Dev ex-U.S. Equity	Real Estate Funds	Hedge Funds	High Yield	Global ex-U.S. Fixed	Cash Equivalent	Large Cap	U.S. Fixed	U.S. Fixed	Small Cap	U.S. Fixed	U.S. Fixed	Emerging Markets	High Yield	Global ex-U.S. Fixed	Real Estate Funds	Small Cap	Global ex-U.S. Fixed	Hedge Funds	U.S. Fixed	
	-15.80%	8.28%	9.64%	2.74%	8.16%	5.00%	-37.00%	5.93%	6.54%	-4.18%	4.21%	-2.02%	-2.19%	-4.47%	1.49%	6.66%	-11.01%	5.09%	6.36%	-1.54%
Small Cap	U.S. Fixed	U.S. Fixed	U.S. Fixed	Cash Equivalent	High Yield	Dev ex-U.S. Equity	Cash Equivalent	Global ex-U.S. Fixed	Dev ex-U.S. Equity	Global ex-U.S. Fixed	Emerging Markets	Global ex-U.S. Fixed	Global ex-U.S. Fixed	Hedge Funds	U.S. Fixed	Dev ex-U.S. Equity	Real Estate Funds	Cash Equivalent	Emerging Markets	
	-20.48%	4.10%	4.34%	2.43%	4.86%	1.87%	-43.56%	0.21%	4.95%	-12.21%	4.09%	-2.60%	-3.09%	-6.02%	1.25%	3.54%	-14.09%	4.39%	0.67%	-2.54%
Large Cap	Cash Equivalent	Cash Equivalent	Global ex-U.S. Fixed	U.S. Fixed	Small Cap	Emerging Markets	Real Estate Funds	Cash Equivalent	Emerging Markets	Cash Equivalent	Global ex-U.S. Fixed	Dev ex-U.S. Equity	Emerging Markets	Cash Equivalent	Cash Equivalent	Emerging Markets	Cash Equivalent	Real Estate Funds	Global ex-U.S. Fixed	
	-22.10%	1.15%	1.33%	-8.65%	4.33%	-1.57%	-53.33%	-30.40%	0.13%	-18.42%	0.11%	-3.08%	-4.32%	-14.92%	0.33%	0.86%	-14.57%	2.28%	0.34%	-7.05%

Source: Callan, Large Cap Equity = S&P 500, Small Cap Equity = Russell 2000, Developed ex-US Equity = MSCI World ex-USA, Emerging Markets Equity = MSCI Emerging Markets, US FI = Bloomberg US Aggregate, High Yield = Bloomberg Corp High Yield, Global ex-US FI = Bloomberg Global Aggregate ex-US, Real Estate = NFI-ODCE (value-weighted net), Cash Equivalent = ICE BofAML US 3 Month Treasury Bill, Hedge Funds = Credit Suisse Hedge Fund