

With a fixed-indexed or registered index-linked annuity from MassMutual Ascend Life Insurance Company, you can allocate funds to 5-year term indexed strategies that earn returns based on the S&P 500 Index. This index includes stocks issued by 500 of the top companies in leading industries in the U.S. economy. Let's take a closer look.

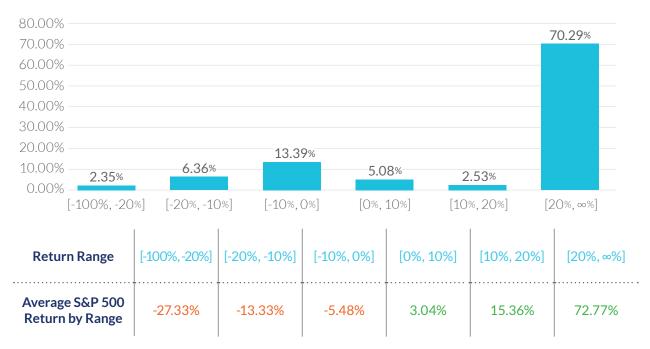
S&P 500 returns using rolling periods

The data below uses 5-year rolling returns¹ of the S&P 500 price return index (SPX) from December 31, 2003 through December 31, 2023, for a total of 3,914² observations.

Average Performance			Positive Performance		Negative Performance	
Average Return	Average Gain	Average Loss	Maximum Return ³	Num of Gains	Minimum Return⁴	Num of Losses
49.46%	66.36%	-10.06%	174.75%	3,049 (77.90%)	-41.00%	865 (22.10%)

S&P 500 return distribution

Using the same data set and assumptions, the return distribution graph below illustrates how frequently the 5-year returns fell info specific ranges. The table below the graph shows the average return by range.



MassMutual Ascend first offered annuities with 5-year S&P 500 indexed strategies in May 2024.

¹5-year rolling returns refers to every 5-year period that started on a business day after December 30, 2003 and ended before January 1, 2024. ²Zero flat 5-year periods, in which the S&P 500 return was 0%, are included in the number of total observations.

³Maximum return: 5-year period ending 3/7/2014

⁴Minimum return: 5-year period ending 3/5/2009

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Annuities are long-term investments and may not be suitable for all investors. Withdrawals from an annuity contract may have tax consequences.

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