

# Index Protector 7 Renewal History

from MassMutual Ascend Life Insurance Company



# Index Protector 7 renewal history

A fixed-indexed annuity offers interest crediting strategies that help protect your savings from loss while providing the opportunity for growth. Strategy rates and caps are set at the start of each term and guaranteed for that term.

Here is a closer look at the renewal history for the Index Protector 7 for Third Quarter 2021-2024 (for purchase payments \$250,000 and over).

Start of First Term	Fixed Account (Declared Rate Strategy)					S&P 500® 1-year Point-to-Point (Indexed Strategy)					S&P 500® Risk Control 1-year Point-to-Point (Indexed Strategy)				
	Initial Rate	2021	2022	2023	2024	Initial Rate	2021	2022	2023	2024	Initial Rate	2021	2022	2023	2024
7/6/20	2.80%	2.80%	2.80%	2.80%	2.80%	6.15%	6.15%	6.15%	6.15%	6.15%	70%	70%	70%	70%	70%
7/20/20	2.50%	2.50%	2.50%	2.50%	2.50%	5.65%	5.65%	5.65%	5.65%	5.65%	65%	65%	65%	65%	65%
8/6/20	2.50%	2.50%	2.50%	2.50%	2.50%	5.65%	5.65%	5.65%	5.65%	5.65%	65%	65%	65%	65%	65%
8/20/20	2.50%	2.50%	2.50%	2.50%	2.50%	5.65%	5.65%	5.65%	5.65%	5.65%	65%	65%	65%	65%	65%
9/6/20	2.50%	2.50%	2.50%	2.50%	2.50%	5.65%	5.65%	5.65%	5.65%	5.65%	65%	65%	65%	65%	65%
9/20/20	2.50%	2.50%	2.50%	2.50%	2.50%	5.65%	5.65%	5.65%	5.65%	5.65%	65%	65%	65%	65%	65%
7/6/21	2.50%	N/A	2.50%	2.50%	2.50%	5.75%	N/A	5.75%	5.75%	5.75%	70%	N/A	70%	70%	70%
7/20/21	2.50%	N/A	2.50%	2.50%	2.50%	5.75%	N/A	5.75%	5.75%	5.75%	70%	N/A	70%	70%	70%
8/6/21	2.35%	N/A	2.35%	2.35%	2.35%	5.50%	N/A	5.50%	5.50%	5.50%	65%	N/A	65%	65%	65%
8/20/21	2.35%	N/A	2.35%	2.35%	2.35%	5.50%	N/A	5.50%	5.50%	5.50%	65%	N/A	65%	65%	65%
9/6/21	2.35%	N/A	2.35%	2.35%	2.35%	5.50%	N/A	5.50%	5.50%	5.50%	65%	N/A	65%	65%	65%
9/20/21	2.35%	N/A	2.35%	2.35%	2.35%	5.50%	N/A	5.50%	5.50%	5.50%	65%	N/A	65%	65%	65%
7/6/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
7/20/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
8/6/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
8/20/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
9/6/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
9/20/22	3.80%	N/A	N/A	3.80%	3.80%	8.50%	N/A	N/A	8.50%	8.50%	75%	N/A	N/A	75%	75%
7/6/23	5.10%	N/A	N/A	N/A	5.10%	10.00%	N/A	N/A	N/A	10.00%	80%	N/A	N/A	N/A	80%
7/20/23	5.50%	N/A	N/A	N/A	5.50%	10.25%	N/A	N/A	N/A	10.25%	85%	N/A	N/A	N/A	85%
8/6/23	5.50%	N/A	N/A	N/A	5.50%	10.25%	N/A	N/A	N/A	10.25%	85%	N/A	N/A	N/A	85%
8/20/23	5.50%	N/A	N/A	N/A	5.50%	10.25%	N/A	N/A	N/A	10.25%	85%	N/A	N/A	N/A	85%
9/6/23	5.50%	N/A	N/A	N/A	5.50%	11.50%	N/A	N/A	N/A	11.50%	85%	N/A	N/A	N/A	85%
9/20/23	5.50%	N/A	N/A	N/A	5.50%	12.00%	N/A	N/A	N/A	12.00%	85%	N/A	N/A	N/A	85%

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## Index Protector 7 renewal history (continued)

Start of First Term	iShares® U.S. Real Estate 1-year Point-to-Point (Indexed Strategy)					S&P U.S. Retiree Spending 1-year Point-to-Point (Indexed Strategy)					iShares MSCI EAFE ETF 1-Year Point-to-Point (Indexed Strategy)				
	Initial Rate	2021	2022	2023	2024	Initial Rate	2021	2022	2023	2024	Initial Rate	2021	2022	2023	2024
7/6/20	6.75%	6.75%	6.75%	6.75%	6.75%	70%	70%	70%	70%	70%	5.80%	5.80%	5.80%	5.80%	5.80%
7/20/20	6.25%	6.25%	6.25%	6.25%	6.25%	70%	70%	70%	70%	70%	5.40%	5.40%	5.40%	5.40%	5.40%
8/6/20	6.25%	6.25%	6.25%	6.25%	6.25%	70%	70%	70%	70%	70%	5.40%	5.40%	5.40%	5.40%	5.40%
8/20/20	6.25%	6.25%	6.25%	6.25%	6.25%	70%	70%	70%	70%	70%	5.40%	5.40%	5.40%	5.40%	5.40%
9/6/20	6.25%	6.25%	6.25%	6.25%	6.25%	70%	70%	70%	70%	70%	5.40%	5.40%	5.40%	5.40%	5.40%
9/20/20	6.25%	6.25%	6.25%	6.25%	6.25%	70%	70%	70%	70%	70%	5.40%	5.40%	5.40%	5.40%	5.40%
7/6/21	7.00%	N/A	7.00%	7.00%	7.00%	80%	N/A	80%	80%	80%	6.00%	N/A	6.00%	6.00%	6.00%
7/20/21	7.00%	N/A	7.00%	7.00%	7.00%	80%	N/A	80%	80%	80%	6.00%	N/A	6.00%	6.00%	6.00%
8/6/21	6.75%	N/A	6.75%	6.75%	6.75%	80%	N/A	80%	80%	80%	5.75%	N/A	5.75%	5.75%	5.75%
8/20/21	6.75%	N/A	6.75%	6.75%	6.75%	80%	N/A	80%	80%	80%	5.75%	N/A	5.75%	5.75%	5.75%
9/6/21	6.75%	N/A	6.75%	6.75%	6.75%	80%	N/A	80%	80%	80%	5.75%	N/A	5.75%	5.75%	5.75%
9/20/21	6.75%	N/A	6.75%	6.75%	6.75%	80%	N/A	80%	80%	80%	5.75%	N/A	5.75%	5.75%	5.75%
7/6/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
7/20/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
8/6/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
8/20/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
9/6/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
9/20/22	10.25%	N/A	N/A	10.25%	10.25%	100%	N/A	N/A	100%	100%	9.25%	N/A	N/A	9.25%	9.25%
7/6/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	10.50%	N/A	N/A	N/A	10.50%
7/20/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	11.00%	N/A	N/A	N/A	11.00%
8/6/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	11.00%	N/A	N/A	N/A	11.00%
8/20/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	11.00%	N/A	N/A	N/A	11.00%
9/6/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	11.00%	N/A	N/A	N/A	11.00%
9/20/23	12.50%	N/A	N/A	N/A	12.50%	85%	N/A	N/A	N/A	85%	11.00%	N/A	N/A	N/A	11.00%

Charts show the initial declared rates and indexed strategy caps and participation rates for terms that started in the third quarter and on the 6<sup>th</sup> and 20<sup>th</sup> of each month in years 2020-2023 (Chart Terms) and the corresponding declared rates, caps and participation rates when the terms renewed in years 2021-2024. Although the charts show the caps/maximum indexed interest rate for each strategy for each Chart Term, they do not show the indexed interest rate for any strategy for any Chart Term, which may be less than the cap.

**Information shown is not a guarantee or representation of future renewal declared rate, cap or participation rate decisions.**

When the initial rates and caps we offer for new contracts decrease, our annuity rate lock procedure allows new contracts to receive the previous, higher rate if all required steps are completed within specified time frames. For new contracts in such situations, the initial declared rates, caps or participation rates would have been higher than the relevant figures listed in the Index Protector 7 Renewal History table.

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