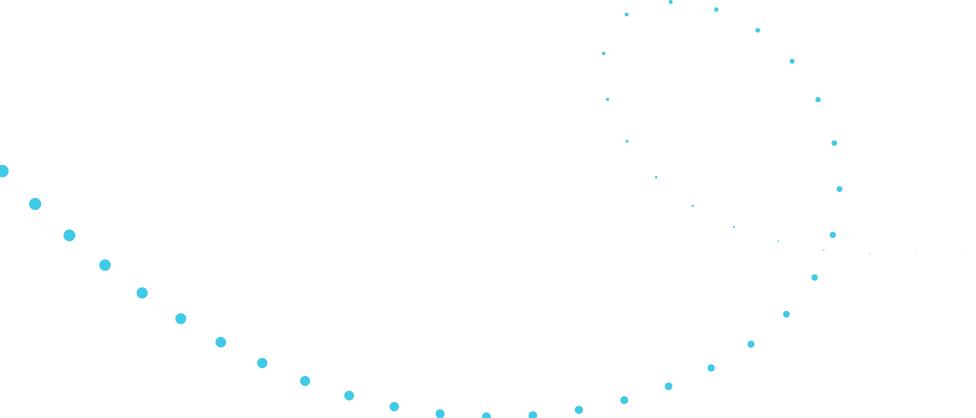


American Legend 7 Renewal History

from MassMutual Ascend Life Insurance Company



Not a bank or credit union deposit or obligation • Not FDIC or NCUA-Insured • Not insured by any federal government agency • May lose value • Not guaranteed by any bank or credit union

American Legend 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.

Start of First			ked Accou ed Rate S ⁻			Sa		l-year Po exed Stra	int-to-Poi tegy)	nt	S&P 500® Risk Control 1-year Point-to-Point (Indexed Strategy)					
Term	Initial Rate	2022	2023	2024	2025	Initial Rate	2022	2023	2024	2025	Initial Rate	2022	2023	2024	2025	
1/6/21	1.70%	1.70%	1.70%	1.70%	1.70%	4.15%	4.15%	4.15%	4.15%	4.15%	50%	50%	50%	50%	50%	
1/20/21	1.70%	1.70%	1.70%	1.70%	1.70%	4.15%	4.15%	4.15%	4.15%	4.15%	50%	50%	50%	50%	50%	
2/6/21	1.85%	1.85%	1.85%	1.85%	1.85%	4.65%	4.65%	4.65%	4.65%	4.65%	55%	55%	55%	55%	55%	
2/20/21	1.85%	1.85%	1.85%	1.85%	1.85%	4.65%	4.65%	4.65%	4.65%	4.65%	55%	55%	55%	55%	55%	
3/6/21	1.85%	1.85%	1.85%	1.85%	1.85%	4.65%	4.65%	4.65%	4.65%	4.65%	55%	55%	55%	55%	55%	
3/20/21	2.00%	2.00%	2.00%	2.00%	2.00%	4.65%	4.65%	4.65%	4.65%	4.65%	55%	55%	55%	55%	55%	
1/6/22	1.85%	N/A	1.85%	1.85%	1.85%	4.40%	N/A	4.40%	4.40%	4.40%	50%	N/A	50%	50%	50%	
1/20/22	1.85%	N/A	1.85%	1.85%	1.85%	4.75%	N/A	4.75%	4.75%	4.75%	50%	N/A	50%	50%	50%	
2/6/22	1.85%	N/A	1.85%	1.85%	1.85%	4.90%	N/A	4.90%	4.90%	4.90%	50%	N/A	50%	50%	50%	
2/20/22	1.85%	N/A	1.85%	1.85%	1.85%	4.90%	N/A	4.90%	4.90%	4.90%	50%	N/A	50%	50%	50%	
3/6/22	2.00%	N/A	2.00%	2.00%	2.00%	5.25%	N/A	5.25%	5.25%	5.25%	55%	N/A	55%	55%	55%	
3/20/22	2.00%	N/A	2.00%	2.00%	2.00%	5.25%	N/A	5.25%	5.25%	5.25%	55%	N/A	55%	55%	55%	
1/6/23	4.10%	N/A	N/A	4.10%	4.10%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
1/20/23	4.10%	N/A	N/A	4.10%	4.10%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
2/6/23	4.10%	N/A	N/A	4.10%	4.10%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
2/20/23	4.10%	N/A	N/A	4.10%	4.10%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
3/6/23	4.10%	N/A	N/A	4.10%	4.10%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
3/20/23	4.60%	N/A	N/A	4.60%	4.60%	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	
1/6/24	4.30%	N/A	N/A	N/A	4.30%	9.75%	N/A	N/A	N/A	9.75%	75%	N/A	N/A	N/A	75%	
1/20/24	4.10%	N/A	N/A	N/A	4.10%	9.00%	N/A	N/A	N/A	9.00%	70%	N/A	N/A	N/A	70%	
2/6/24	4.10%	N/A	N/A	N/A	4.10%	9.00%	N/A	N/A	N/A	9.00%	70%	N/A	N/A	N/A	70%	
2/20/24	4.10%	N/A	N/A	N/A	4.10%	9.00%	N/A	N/A	N/A	9.00%	70%	N/A	N/A	N/A	70%	
3/6/24	4.10%	N/A	N/A	N/A	4.10%	9.00%	N/A	N/A	N/A	9.00%	70%	N/A	N/A	N/A	70%	
3/20/24	4.60%	N/A	N/A	N/A	4.60%	9.60%	N/A	N/A	N/A	9.60%	75%	N/A	N/A	N/A	75%	

Here is a closer look at the renewal history for the American Legend 7 for First Quarter 2022-2025 (for purchase payments \$100,000 and over).

Continued on next page

American Legend 7 renewal history (cont.)

Start of First	iShares® U.S. Real Estate 1-year Point-to-Point (Indexed Strategy)					S&PU.S. Retiree Spending 1-year Point-to-Point (Indexed Strategy)				SPDR Gold Shares 1-year Point-to-Point (Indexed Strategy)					MSM					
Term	Initial Rate	2022	2023	2024	2025	Initial Rate	2022	2023	2024	2025	Initial Rate	2022	2023	2024	2025	lnitial Rate	2022	2023	2024	2025
1/6/21	4.75%	4.75%	4.75%	4.75%	4.75%	55%	55%	55%	55%	55%	5.00%	5.00%	5.00%	5.00%	5.00%	1.50%	1.50%	1.50%	1.50%	1.50%
1/20/21	4.75%	4.75%	4.75%	4.75%	4.75%	55%	55%	55%	55%	55%	5.00%	5.00%	5.00%	5.00%	5.00%	1.50%	1.50%	1.50%	1.50%	1.50%
2/6/21	5.00%	5.00%	5.00%	5.00%	5.00%	65%	65%	65%	65%	65%	5.25%	5.25%	5.25%	5.25%	5.25%	2.00%	2.00%	2.00%	2.00%	2.00%
2/20/21	5.00%	5.00%	5.00%	5.00%	5.00%	65%	65%	65%	65%	65%	5.25%	5.25%	5.25%	5.25%	5.25%	2.00%	2.00%	2.00%	2.00%	2.00%
3/6/21	5.00%	5.00%	5.00%	5.00%	5.00%	65%	65%	65%	65%	65%	5.25%	5.25%	5.25%	5.25%	5.25%	2.00%	2.00%	2.00%	2.00%	2.00%
3/20/21	5.00%	5.00%	5.00%	5.00%	5.00%	65%	65%	65%	65%	65%	5.25%	5.25%	5.25%	5.25%	5.25%	2.00%	2.00%	2.00%	2.00%	2.00%
1/6/22	4.75%	N/A	4.75%	4.75%	4.75%	65%	N/A	65%	65%	65%	5.00%	N/A	5.00%	5.00%	5.00%	1.85%	N/A	1.85%	1.85%	1.85%
1/20/22	4.75%	N/A	4.75%	4.75%	4.75%	65%	N/A	65%	65%	65%	5.00%	N/A	5.00%	5.00%	5.00%	1.85%	N/A	1.85%	1.85%	1.85%
2/6/22	4.75%	N/A	4.75%	4.75%	4.75%	65%	N/A	65%	65%	65%	5.00%	N/A	5.00%	5.00%	5.00%	1.85%	N/A	1.85%	1.85%	1.85%
2/20/22	4.75%	N/A	4.75%	4.75%	4.75%	65%	N/A	65%	65%	65%	5.00%	N/A	5.00%	5.00%	5.00%	1.85%	N/A	1.85%	1.85%	1.85%
3/6/22	5.25%	N/A	5.25%	5.25%	5.25%	70%	N/A	70%	70%	70%	5.50%	N/A	5.50%	5.50%	5.50%	2.00%	N/A	2.00%	2.00%	2.00%
3/20/22	5.25%	N/A	5.25%	5.25%	5.25%	70%	N/A	70%	70%	70%	5.50%	N/A	5.50%	5.50%	5.50%	2.00%	N/A	2.00%	2.00%	2.00%
1/6/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
1/20/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
2/6/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
2/20/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
3/6/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
3/20/23	10.00%	N/A	N/A	10.00%	10.00%	75%	N/A	N/A	75%	75%	12.00%	N/A	N/A	12.00%	12.00%	3.25%	N/A	N/A	3.25%	3.25%
1/6/24	11.50%	N/A	N/A	N/A	11.50%	75%	N/A	N/A	N/A	75%	11.50%	N/A	N/A	N/A	11.50%	3.00%	N/A	N/A	N/A	3.00%
1/20/24	10.75%	N/A	N/A	N/A	10.75%	75%	N/A	N/A	N/A	75%	11.00%	N/A	N/A	N/A	11.00%	3.00%	N/A	N/A	N/A	3.00%
2/6/24	10.75%	N/A	N/A	N/A	10.75%	75%	N/A	N/A	N/A	75%	11.00%	N/A	N/A	N/A	11.00%	3.00%	N/A	N/A	N/A	3.00%
2/20/24	10.75%	N/A	N/A	N/A	10.75%	75%	N/A	N/A	N/A	75%	11.00%	N/A	N/A	N/A	11.00%	3.00%	N/A	N/A	N/A	3.00%
3/6/24	10.75%	N/A	N/A	N/A	10.75%	75%	N/A	N/A	N/A	75%	11.00%	N/A	N/A	N/A	11.00%	3.00%	N/A	N/A	N/A	3.00%
3/20/24	10.75%	N/A	N/A	N/A	10.75%	80%	N/A	N/A	N/A	80%	11.50%	N/A	N/A	N/A	11.50%	3.00%	N/A	N/A	N/A	3.00%

Charts show the initial declared rates and indexed strategy caps and participation rates for terms that started in the first quarter and on the 6th and 20th of each month in years 2021-2024 (Chart Terms) and the corresponding declared rates, caps and participation rates when the terms renewed in years 2022-2025. 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 American Legend 7 Renewal History table.

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