

American Freedom Stars & Stripes 7

A fixed annuity from MassMutual Ascend Life Insurance Company

- Guaranteed increasing interest rates during initial seven-year term
- 10% penalty-free withdrawals
- Early withdrawal charges and market value adjustments that end after seven years
- Opportunity to receive lifetime income

| Rates effective | Base rate | Guaranteed escalating rates | | | | | | Effective yield | Guaranteed minimum interest rate (GMIR) |
|--------------------------------------|-----------|-----------------------------|--------|--------|--------|--------|--------|-----------------|---|
| | | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | | |
| 8/12/2024 | | | | | | | | | |
| Purchase payments \$100,000 and over | 3.10% | 3.35% | 3.60% | 3.85% | 4.10% | 4.35% | 4.60% | 3.85% | 3.00% |
| Purchase payments under \$100,000 | 3.05% | 3.30% | 3.55% | 3.80% | 4.05% | 4.30% | 4.55% | 3.80% | 3.00% |

MVA rates shown above. Rates are current as of the date shown and are subject to change at any time.

A base interest rate is set for the purchase payment. The Base Interest Rate will never be less than the Guaranteed Minimum Interest Rate (GMIR) for the contract, but it may be higher. Please refer to Page 1 for the GMIR that applies to currently issued contracts. The GMIR will never be less than 1.00%.

In each of years two through seven of the purchase payment's seven-year term, a level interest rate adjustment will be added to the credited rate of the previous year. Currently, the annual interest rate increase is 0.25%, and it will never be less than 0.01%.

Effective yield is equal to the average interest rate over the initial seven-year term.

Early withdrawal charges and market value adjustments apply if you surrender your annuity or take withdrawals from it during the initial seven-year term. If subsequent seven-year terms are selected, early withdrawal charges and market value adjustments will apply during such terms. Early withdrawal charges and market value adjustments do not apply to amounts covered by the 10% free withdrawal allowance.

The contract provides lifetime income payout options. If you select one of these options, we will make periodic payments until the death of the person on whose life payments are based. After the annuity payout initiation date, you cannot surrender your annuity or withdraw any other money from your annuity.

In general you will pay ordinary income taxes on the earned interest when you receive annuity benefit payments, you surrender your annuity or you take a withdrawal. You may pay a 10% federal penalty tax on the taxable amount of any payment that you receive before age 59½.

MassMutual Ascend Life Insurance CompanySM is not an investment adviser and the information provided in this document is not investment advice. You should consult your investment professional for advice based on your personal circumstances and financial situation.

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This content does not apply in the state of New York.

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The logo for MassMutual Ascend, featuring three blue dots followed by the text "MassMutual Ascend" in a bold, blue, sans-serif font.