MassMutual Ascend
Life Insurance Company

Understanding the impact of withdrawals

on a registered index-linked annuity

When you purchase a registered index-linked annuity from MassMutual Ascend Life Insurance Company, you will be able to access a portion of your contract value each year without penalty. However, withdrawals taken prior to the end of a term will affect your investment base. The following examples show what happens if you decide to take a withdrawal during a term.

Hypothetical examples

What happens if a withdrawal is taken when the **index is rising?**

The following example assumes:

- A penalty-free $10,000 withdrawal is taken in month four
- At the time of the withdrawal, the daily value percentage* is 2.33%
- At the end of the term, the index increase is 15%
- There is a 20% cap

STEP 1 Determine the strategy value	**$100,000** investment base	+	**$2,330 gain** ($100k purchase payment x 2.33% daily value percentage)	=	**$102,330** strategy value
STEP 2 Determine the strategy value reduction	**$10,000** withdrawal	÷	**$102,330** strategy value	=	**9.77%** reduction
STEP 3 Determine the investment base proportional reduction	**$100,000** starting investment base	×	**9.77%** reduction	=	**$9,770** investment base reduction
STEP 4 Determine the strategy value at the end of the term	**$90,230** investment base after withdrawal	×	**+15% increase** (15% index change falls within the 20% cap, resulting in 15% strategy value increase)	=	**$103,765** ending strategy value

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What happens if a withdrawal is taken when the **index is falling?**

The following example assumes:

- $100,000 is allocated to a 1-year 10% buffer indexed strategy
- A penalty-free $10,000 withdrawal is taken in month four
- At the time of the withdrawal, the daily value percentage* is -2.10%
- At the end of the term, the index decrease is -15%

STEP 1 Determine the strategy value	**$100,000** investment base	−	**$2,100 loss** ($100k purchase payment x -2.10% daily value percentage)	=	**$97,900** strategy value
STEP 2 Determine the strategy value reduction	**$10,000** withdrawal	÷	**$97,900** strategy value	=	**10.21%** reduction
STEP 3 Determine the investment base proportional reduction	**$100,000** starting investment base	×	**10.21%** reduction	=	**$10,210** investment base reduction
STEP 4 Determine the strategy value at the end of the term	**$89,790** investment base after withdrawal	×	**-5% decrease** (10% buffer absorbs first 10% of loss, resulting in -5% strategy value decrease)	=	**$85,301** ending strategy value

*The Daily Value Percentage is a complex calculation involving multiple factors. Please see the Special Terms Related To Daily Value Percentage section of the prospectus for more information. To obtain a copy of the prospectus, please visit MassMutualAscend.com/RILArates.

The Index Summit 6 has a 6-year early withdrawal charge schedule. The Index Summit 6 Pro has a 6-year early withdrawal charge schedule and has a contract fee deducted daily from each strategy which compounds to an effective annual rate of 1.25%. For Index Summit 6 Pro contracts issued before 11/6/2026, the contract fee deducted daily from each strategy compounds to an effective annual rate of 0.95%. The Index Achiever Advisory has no early withdrawal charges and instead has a market value adjustment (MVA) that will apply during the first six contract years. The Index Frontier 5 Plus has a 5-year early withdrawal charge schedule. The examples above do not take into account applicable contract fees.

Annuities are intended to be long-term products and may not be suitable for all investors. Withdrawals from an annuity contract may have tax consequences. MassMutual Ascend's registered index-linked annuities can only be sold through a Broker/Dealer that is contracted with MassMutual Ascend Life Insurance Company. Any sales solicitation must be accompanied or preceded by a prospectus. To obtain a copy of the prospectus, please visit MassMutualAscend.com/RILArates.

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