

Can your portfolio withstand a bear market?

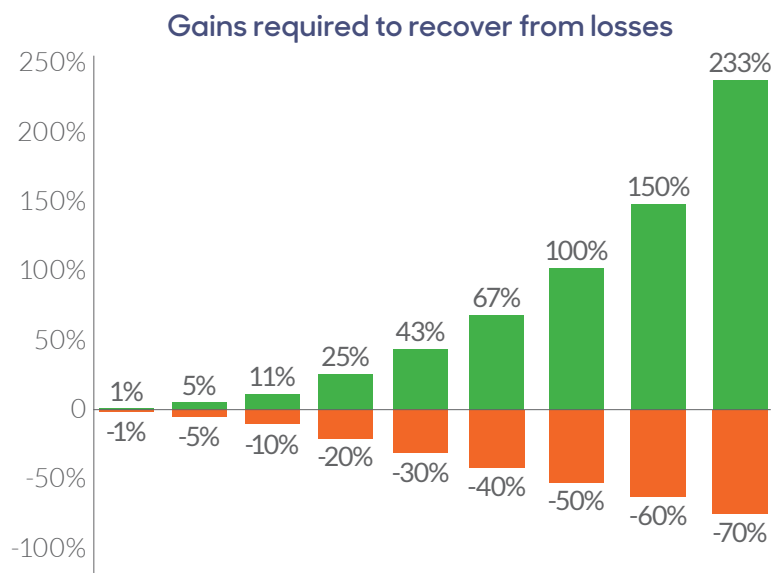
Early 2020 marked the end of the longest-running bull market in modern history. Since then, the market has navigated in and out of bull and bear market territory. This may have you concerned with volatility, and for good reason - the average bear market return since 1929 is -40%. Could you afford for your \$100,000 investment to become \$60,000?

| Historical Bear Markets | Decline from All-time High |
|-------------------------|----------------------------|
| 1929-1932 | -86% |
| 1937-1942 | -60% |
| 1946-1949 | -30% |
| 1956-1957 | -22% |
| 1961-1962 | -28% |
| 1966 | -22% |
| 1968-1970 | -36% |

| Historical Bear Markets | Decline from All-time High |
|-------------------------|----------------------------|
| 1973-1974 | -48% |
| 1980-1982 | -27% |
| 1987 | -34% |
| 2000-2002 | -49% |
| 2007-2009 | -57% |
| 2020 | -34% |
| 2022 | -25% |

Average Bear Market Return (1929-2023): -40%

Plus, it can take a significant return to recover from loss.



An annuity from MassMutual Ascend Life Insurance Company can help protect against bear markets.

These products offer competitive growth potential, while providing varying levels of protection against market declines.

A bear market is defined as a 20% or more decline from the previous market high. The bear return is the peak to trough return over the cycle. Data is as of 12/31/2023.

When you buy an annuity, you own an insurance contract. You are not buying shares of any stock or investing in an index. Annuities are intended to be long-term investments and may not be suitable for all investors. Withdrawals from an annuity contract may have tax consequences.

Past performance does not guarantee future results. Products issued by MassMutual Ascend Life Insurance CompanySM (Cincinnati, Ohio), a wholly owned subsidiary of Massachusetts Mutual Life Insurance Company (MassMutual), under contract form numbers P1020212ID, ICC22-P1165222NW, P1463016ID, P1459716ID, P1138919ID, P1088011ID, P1088111ID, ICC22-P1165322NW, P1123117ID, P1123217ID, P1133518ID, ICC21-P1152221NW, ICC21-P1151521NW, P1086811ID, P1081610ID, ICC21-P1151621NW, P1074514ID, P1470017ID, P1470218ID, ICC21-P1152021NW, P1113516ID, ICC21-P1152121NW, P1080010ID, ICC21-P1476721NW, P1140119ID, P1140219ID, P1146620ID, P1110416ID, ICC20-P1144420NW, ICC20-P1144420NW-NoMVA, ICC20-P1144520NW, ICC20-P1144520NW-NoMVA, ICC20-P1474420NW, ICC20-P1474420NW-NoMVA, P1134618ID, P1134618ID-NoMVA, P1112916ID, P1112916ID, P1129918ID, P1129918ID-NoMVA, P1825218ID, P1833621ID, P1822217ID, P1833421ID, P1850822ID, P1822317ID, P1833521ID, P1841722ID, and P1841622ID. Contract form numbers vary by state.

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

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