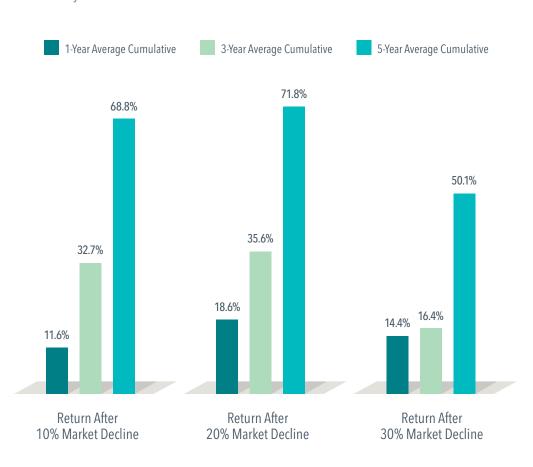


History Shows That Stock Gains Can Add Up After Big Declines

FAMA/FRENCH TOTAL US MARKET RESEARCH INDEX RETURNS 1 July 1926–31 December 2020



Sudden market downturns can be unsettling. But historically, US equity returns following sharp downturns have, on average, been positive.

- A broad market index tracking data since 1926 in the US shows that stocks have tended to deliver positive returns over one-year, three-year, and five-year periods following steep declines.
- Cumulative returns show this to striking effect. Five years after market declines of 10%, 20%, and 30%, the compounded returns all top 50%.
- Viewed in annualised terms across the longest, five-year period, returns after 10%, 20%, and 30% declines have been close to the historical annualised average over the entire period of 9.7%.

Sticking with your plan helps put you in the best position to capture the recovery.

Market declines or downturns are defined as periods in which the cumulative return from a peak is -10%, -20%, or -30% or lower. Returns are calculated for the 1-, 3-, and 5-year look-ahead periods beginning the day after the respective downturn thresholds of -10%, -20%, or -30% are exceeded. The bar chart shows the average returns for the 1-, 3-, and 5-year periods following the 10%, 20%, and 30% thresholds. For the 10% threshold, there are 28 observations for 1-year look-ahead, 27 observations for 3-year look-ahead. For the 20% threshold, there are 14 observations for 1-year look-ahead. For the 30% threshold, there are 6 observations for 1-year look-ahead. For the 30% threshold, there are 6 observations for 1-year look-ahead. Peak is a new all-time high prior to a downturn. Data provided by Fama/French and available at <u>mba.tuck.dartmouth.edu/pages/faculty/ken.french/data_library.html</u>. Eugene Fama and Ken French are members of the Board of Directors of the general partner of, and provide consulting services to, Dimensional Fund Advisors LP.

FAMA/FRENCH TOTAL US MARKET RESEARCH INDEX

1926-present: Fama/French Total US Market Research Factor and One-Month US Treasury Bills. Source: Ken French website.

Investing risks include loss of principal and fluctuating value. There is no guarantee an investment strategy will be successful.

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^{1.} The average annualised returns for the five-year period after 10% declines were 9.54%; after 20% declines, 9.66%; and after 30% declines, 7.18%.

Past performance is no guarantee of future results. Short-term performance results should be considered in connection with longer-term performance results. Indices are not available for direct investment. Their performance does not reflect the expenses associated with the management of an actual portfolio.