Gaining confidence based on history

Sharp, sudden market declines are disconcerting, prompting many investors to reduce their stock holdings, or pull out of the market. As history has shown, financial markets have rebounded from market shocks, posting strong long-term gains. All too often, investors that have sold out during a crisis have locked in losses and possibly missed the rebound. Riding out market declines and benefiting from potential rebounds may be a better plan.

Historically, markets have posted strong long-term gains following declines

S&P 500 Index cumulative returns for 1-, 5- and 10-years periods following end of bear market

As of 12/31/22

As history has shown, recoveries have followed declines, and investors that have stayed invested for the long term may have benefited from the recovery.

Source: FactSet. Daily data from January 3, 1928 through December 30, 2022. Bear market is defined as the period from a peak to trough, with at least a 20% decline in the S&P 500 index price. Data in USD. Past performance is no guarantee of future results. It is not possible to invest in an index.

Max drawdown is the largest drawdown (peak-to-trough) within each calendar year. This data is not intended to represent the performance of any MFS portfolio.

*Data through 30 Dec 2022. Figure shown represents max drawdown for calendar year 2022 (beginning of event/crisis); it is not yet known what the max drawdown will be for this event/crisis.

The S&P 500 Index measures the broad US stock market. Index performance does not include any investment-related fees or expenses. It is not possible to invest directly in an index.

The investments you choose should correspond to your financial needs, goals, and risk tolerance. For assistance in determining your financial situation, please consult an investment professional. Past performance is no guarantee of future results.
### Market Declines: A History of Recoveries

#### 2022 was a difficult year for investors

Concerns about inflation, recession, global politics, etc. However, historically difficult years in the stock market have often been followed by better outcomes. Below we show the average of how markets performed after the worst calendar year returns over the past 50 years (average of 10 worst years excluding 2022).

#### Worst 10 calendar year returns since 1972 and subsequent outcomes for a $10,000 investment

<table>
<thead>
<tr>
<th>Time Period</th>
<th>S&amp;P 500 Total Return</th>
<th>Cumulative value of $10,000 1 year later</th>
<th>Cumulative value of $10,000 3 years later</th>
<th>Cumulative value of $10,000 5 years later</th>
<th>Cumulative value of $10,000 10 years later</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average of 10 worst years (excluding 2022)</td>
<td>-14.08%</td>
<td>$11,220</td>
<td>$14,614</td>
<td>$18,096</td>
<td>$32,041</td>
</tr>
<tr>
<td>Percent positive returns for time period referenced</td>
<td>0%</td>
<td>70%</td>
<td>90%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Source: MFS Research, Factset. Data in USD. Past performance is no guarantee of future results. It is not possible to invest in an index. Based on S&P 500 Total Return Index (Gross).

Keep in mind that no investment strategy, including diversification, can guarantee a profit or protect against a loss. Also, all investments carry a certain amount of risk, including the possible loss of the principal amount invested.

The historical performance of the index cited is provided to illustrate market trends; it does not represent the performance of a particular MFS investment product. Index performance does not take into account fees and expenses. Past performance is no guarantee of future results. The investments you choose should correspond to your financial needs, goals, and risk tolerance. For assistance in determining your financial situation, consult an investment professional.

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