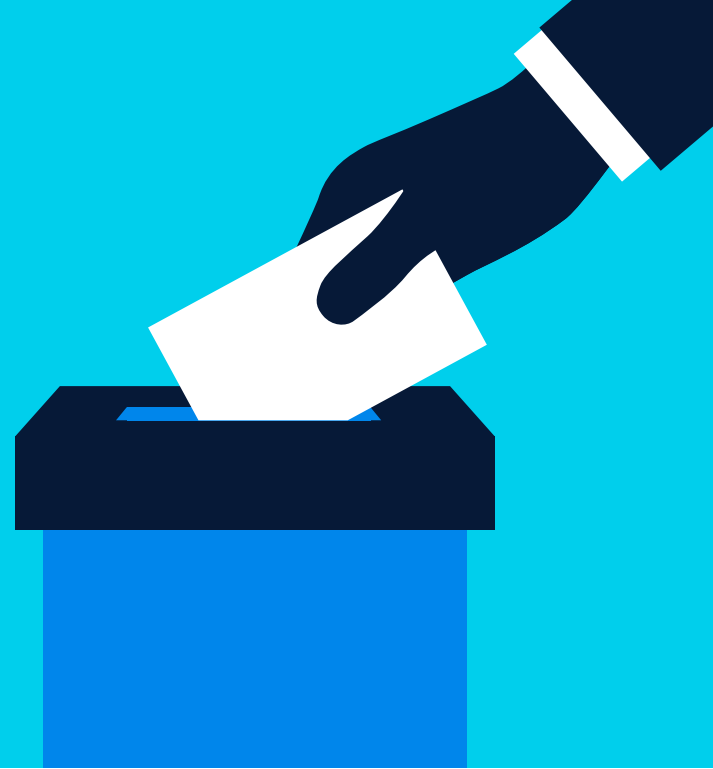


How do U.S. elections affect stock market performance?



From the Field
May 2024

Key Insights

- The health of the U.S. economy appears to have played an important role in whether the incumbent party retained the presidency in an election year.
- In turn, whether the incumbent party won the White House seemed to influence trends in market volatility before and after past elections.
- We believe that investment decisions should be based on longer-term fundamentals, not near-term political outcomes.



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The U.S. presidential election cycle is ramping up. So is media coverage and a barrage of political advertising.

The contest between Democrat Joe Biden and Republican Donald Trump—and its implications—looms large in the minds of investors both in the U.S. and abroad.

Let's explore the historical relationship between U.S. presidential elections and the performance of the broader U.S. equity market.

Correlations exist in varying degrees, but clients should focus on what ultimately matters over the longer term: the economy and business fundamentals.

Know the data's limits

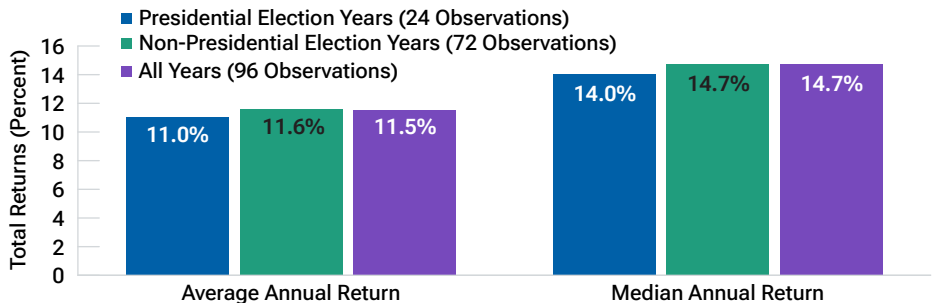
The market performance data used in this study go all the way back to 1927. However, only 24 presidential elections have occurred over this period, so it's difficult to draw statistically significant conclusions about how those elections impacted stock market returns.

Moreover, we would caution against focusing on a single variable that ignores the many other factors that historically have driven market returns.

Some of the elections in our sample occurred in years when major economic developments—not the elections themselves—had an outsized influence on equity markets.

S&P 500 has posted lower total returns in presidential election years

(Fig. 1) Average and median calendar year returns



December 31, 1927, to December 31, 2023.

Past performance is not a reliable indicator of future performance.

Source: T. Rowe Price analysis of data from Bloomberg Finance L.P. See Additional Disclosure.

Total returns include gross dividends. We use average and median average annual returns to see if an outlier data point might be skewing the results. Conclusions are stronger when the average and median returns are either both positive or both negative.

Examples include the Great Depression (1932), World War II (1940 and 1944), the bursting of the technology bubble (2000), the global financial crisis (2008), and the COVID-19 pandemic (2020).

long-term average for the past 96 years of market performance (Figure 1).

What happens when we examine average and median total returns for the S&P 500 over various time frames during and around U.S. presidential election years? How do they stack up to comparable periods for other years?

— After election day, however, stock market returns over the 1-, 6-, and 12-month periods were meaningfully lower than in corresponding periods for years without a presidential election.

Do newly elected presidents have much influence on stock market returns? Perhaps the market took their campaign promises for granted and was disappointed by what ultimately came to pass in the 12 months following the election.

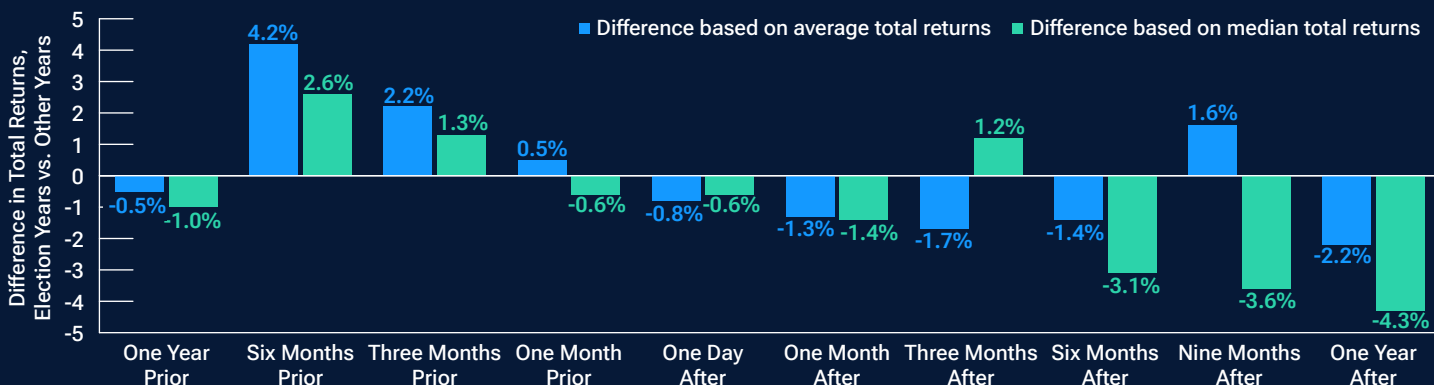
Has the timing of U.S. presidential elections mattered for stock market returns?

Average and median total returns for the S&P 500 Index were modestly lower in presidential election years compared with both non-election years and with the

— Figure 2 shows that S&P 500 returns were generally higher in the runup to a presidential election than in non-election years.

Higher S&P 500 returns before elections vs. other years, lower returns after

(Fig. 2) Difference in average and median total returns



December 31, 1927, to December 31, 2023.

Past performance is not a reliable indicator of future performance.

Source: T. Rowe Price analysis of data from Bloomberg Finance L.P. See Additional Disclosure.

Total returns include gross dividends and are cumulative for the specified period before and after the election. We used the first Tuesday of November (election day in the U.S.) as the cutoff date in all other years to account for seasonality. The one-year return prior to the 1928 election was excluded from the sample because of a lack of available data.

Expanding the scope of analysis beyond elections and historical stock market performance suggests another possible explanation for relatively poor stock market performance.

When it comes to the health of economy, presidents have been unlucky during their first year in office:

- More than half (54%) of the 12-month periods following the 24 presidential elections in our study overlapped an official U.S. recession, as identified by the National Bureau of Economic Research (NBER).
- This rate of recession occurrence was meaningfully higher than the averages for the other years of a president's term: 29% for the second year in office, 17% in the third year, and 25% in the election year.

In other words, the stock market may have anticipated or responded to weaker economic conditions near the end of a presidential election year, given the higher likelihood of a recession in the following 12 months.

Presidential elections and market volatility

Except for the 12 months before and the month immediately following the vote, the S&P 500 experienced less volatility, on average, in and around election years compared with similar periods in non-election years (Figure 3).

These historical volatility trends may come as a bit of a surprise given the higher occurrence of recession in the years following elections.

We'd also highlight that the historical data in Figure 3 suggest that the market has experienced similar seasonal affects in both presidential election years and other years.

In both election and non-election years, volatility was generally higher in the lead-up to the first Tuesday in November (the date of U.S. presidential elections) than in the corresponding periods after the vote.

And in presidential election years, the average level of market volatility was at its

highest in the one month and three months prior to voting day.

The economy has mattered for presidential election results

The incumbent party was victorious in 13 of the 24 presidential elections in our study. A closer look at this admittedly small sample suggests that the health of the economy played a critical role in whether the party in the White House was able to renew its mandate:

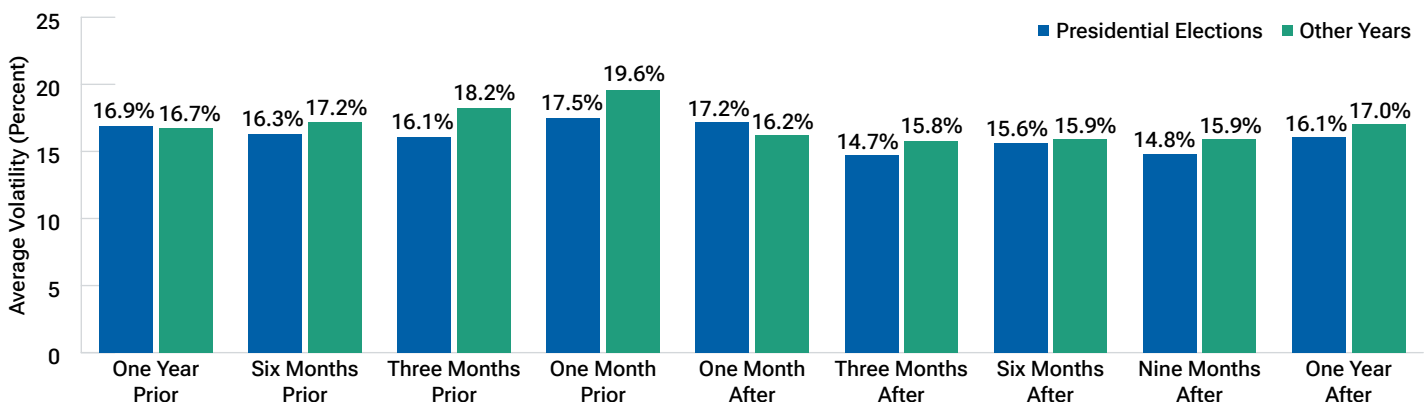
- Only once did the incumbent party win when the election took place in a recession year. That happened in 1948, when the recession started in November.
- In more than 70% of election losses for the incumbent party, the economy had been in a recession that year or slipped into one during the following 12 months.¹

If the incumbent party's history of losses in U.S. presidential elections is any guide, the voting public has been well attuned to economic weakness.

¹ T. Rowe Price analysis of NBER's date ranges for U.S. business cycle contractions. [nber.org/research/data/us-business-cycle-expansions-and-contractions](https://www.nber.org/research/data/us-business-cycle-expansions-and-contractions)

Average S&P 500 volatility around presidential elections and other years

(Fig. 3) Periods before and after election day



December 31, 1927, to December 31, 2023.

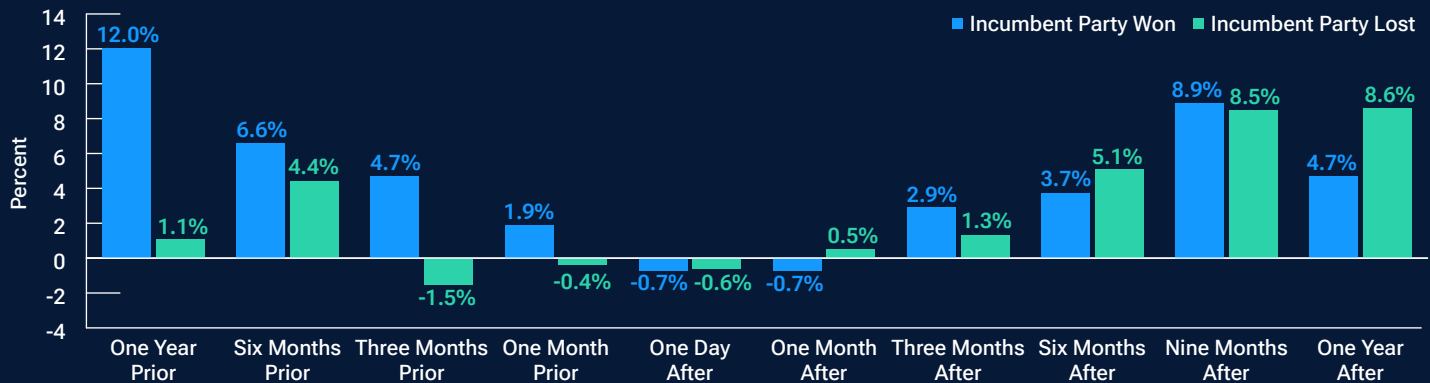
Past performance is not a reliable indicator of future performance.

Source: T. Rowe Price analysis of data from Bloomberg Finance L.P. See Additional Disclosure.

We used the first Tuesday of November (election day in the U.S.) as the cutoff date in all other years to account for seasonality. Volatility for the one year prior to the 1928 election was excluded from the sample because of lack of available data. Volatility is the standard deviation in daily S&P 500 returns for the specified period. Standard deviation measures the amount of variation or dispersion in a set of values. A low standard deviation indicates that the values tend to be close to the mean of the set; a high standard deviation indicates that the values are spread out over a wider range.

S&P 500 returns were softer before incumbent party losses

(Fig. 4) Average total returns before and after election day, 1928–2020



December 31, 1927, to November 3, 2021.

Past performance is not a reliable indicator of future performance.

Source: T. Rowe Price analysis of data from Bloomberg Finance L.P. See Additional Disclosure.

Total returns include gross dividends and are cumulative for the specified period before and after the election. The one-year return prior to the 1928 election was excluded from the sample because of a lack of available data.

What has it meant for stocks when the incumbent party won or lost?

A trend emerges when we look at the average S&P 500 returns over various time frames before and after past presidential elections (Figure 4).

The stock market tended to be softer in the runup to presidential elections that

the incumbent party lost, potentially reflecting the higher incidence of recessions in those periods. However, equity market performance in post-election periods was mixed.

When the incumbent party failed to remain in the White House, the S&P 500, on average, experienced higher levels of volatility before the election and in subsequent months (Figure 5), perhaps

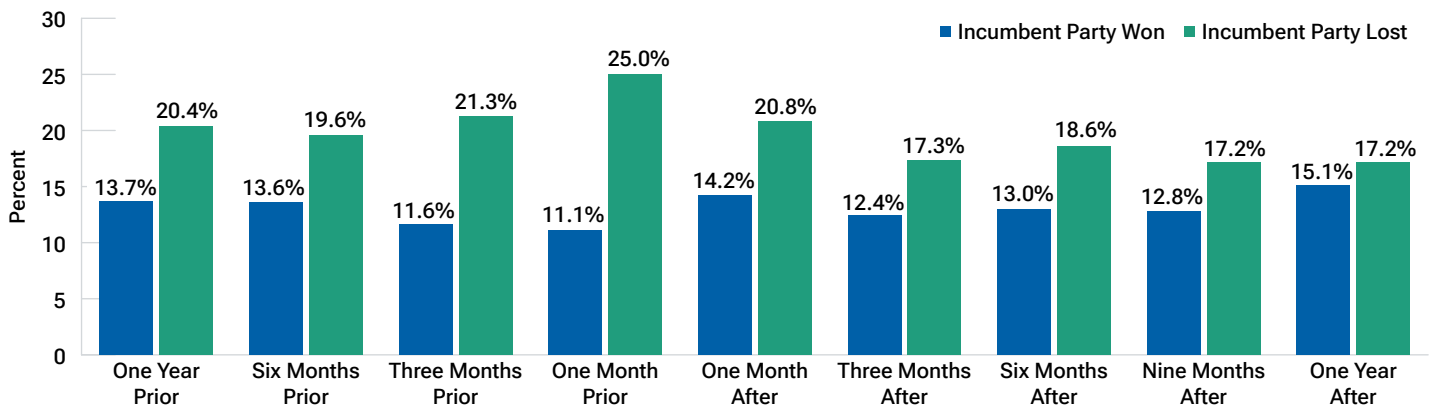
reflecting the uncertainty created by likely policy changes. In these instances, the month prior to the vote exhibited the highest volatility.

Two other trends stand out:

- When the incumbent party retained the presidency, volatility declined, on average, before the election and ticked up modestly afterward.

Average S&P 500 volatility around U.S. presidential elections

(Fig. 5) Average total returns before and after election day, 1928–2020



December 31, 1927, to November 3, 2021.

Past performance is not a reliable indicator of future performance.

Source: T. Rowe Price analysis of data from Bloomberg Finance L.P. See Additional Disclosure.

Volatility for the one year prior to the 1928 election was excluded from the sample because of lack of available data. Volatility is the standard deviation in daily S&P 500 returns for the specified period. Standard deviation measures the amount of variation or dispersion in a set of values. A low standard deviation indicates that the values tend to be close to the mean of the set; a high standard deviation indicates that the values are spread out over a wider range.

— In presidential elections where the incumbent party lost, volatility increased significantly in the periods before the vote and then receded afterward.

Focus on the economy and fundamentals

Narratives highlighting correlations between the results of U.S. presidential elections and stock market performance often circulate in the runup to voting day.

Our quantitative analysis of historical data suggests that relationships do exist.

For example, average returns for the S&P 500 have been modestly lower in presidential election years relative to other years. Market volatility was also lower, on average, in many of the periods in and around past presidential elections. Whether the incumbent party retains the presidency also appears to have influenced trends in market volatility.

Economic conditions also seem to play an important role in whether the incumbent party remains in the White House or the challenger wins the presidency.

Still, past performance does not guarantee future results. We believe that investment decisions should be based on longer-term fundamentals, not near-term political outcomes. Trying to time the market based on short-term dynamics, political or otherwise, is extraordinarily difficult.

Policy matters

In terms of the economy and industry-level business fundamentals, government policy will matter to an extent, as will the makeup of Congress after the November elections.

When one party controls the White House and has majorities in the Senate and House of Representatives, the potential to pass meaningful legislative changes is greater. Divided government, on the other hand, usually makes it harder to push through sweeping changes.

This U.S. election season, as in the past, T. Rowe Price analysts will publish a steady stream of content exploring key policy issues for the U.S. and global economies, the financial markets, and specific industries. Stay tuned.

 We believe that investment decisions should be based on longer-term fundamentals, not near-term political outcomes.

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