

Can Market Volatility Impact My Retirement?

Investment Amount: \$1,000,000
Index to Illustrate: S&P 500
Beginning Month/Year: January - 1997
Ending Month/Year: December - 2020
Annual Income Withdrawal: 4.00%
Annual Income Withdrawal COLA: 2.00%

| Year | Beginning Value | One-Year Index Return | Change in Value | Annual Withdrawal | Year End Value |
|------|-----------------|-----------------------|-----------------|-------------------|----------------|
| 1997 | \$1,000,000 | 31.01% | \$310,100 | \$40,000 | \$1,270,100 |
| 1998 | \$1,270,100 | 26.67% | \$338,736 | \$40,800 | \$1,568,036 |
| 1999 | \$1,568,036 | 19.53% | \$306,237 | \$41,616 | \$1,832,657 |
| 2000 | \$1,832,657 | -10.14% | (\$185,831) | \$42,448 | \$1,604,377 |
| 2001 | \$1,604,377 | -13.04% | (\$209,211) | \$43,297 | \$1,351,869 |
| 2002 | \$1,351,869 | -23.37% | (\$315,932) | \$44,163 | \$991,774 |
| 2003 | \$991,774 | 26.38% | \$261,630 | \$45,046 | \$1,208,358 |
| 2004 | \$1,208,358 | 8.99% | \$108,631 | \$45,947 | \$1,271,042 |
| 2005 | \$1,271,042 | 3.00% | \$38,131 | \$46,866 | \$1,262,306 |
| 2006 | \$1,262,306 | 13.62% | \$171,926 | \$47,804 | \$1,386,429 |
| 2007 | \$1,386,429 | 3.53% | \$48,941 | \$48,760 | \$1,386,610 |
| 2008 | \$1,386,610 | -38.49% | (\$533,706) | \$49,735 | \$803,169 |
| 2009 | \$803,169 | 23.45% | \$188,343 | \$50,730 | \$940,782 |
| 2010 | \$940,782 | 12.78% | \$120,232 | \$51,744 | \$1,009,270 |
| 2011 | \$1,009,270 | 0.00% | \$0 | \$52,779 | \$956,491 |
| 2012 | \$956,491 | 13.41% | \$128,265 | \$53,835 | \$1,030,922 |
| 2013 | \$1,030,922 | 29.60% | \$305,153 | \$54,911 | \$1,281,163 |
| 2014 | \$1,281,163 | 11.39% | \$145,924 | \$56,010 | \$1,371,078 |
| 2015 | \$1,371,078 | -0.73% | (\$10,009) | \$57,130 | \$1,303,939 |
| 2016 | \$1,303,939 | 9.54% | \$124,396 | \$58,272 | \$1,370,062 |
| 2017 | \$1,370,062 | 19.42% | \$266,066 | \$59,438 | \$1,576,691 |
| 2018 | \$1,576,691 | -6.24% | (\$98,385) | \$60,627 | \$1,417,678 |
| 2019 | \$1,417,678 | 28.88% | \$409,426 | \$61,839 | \$1,765,265 |
| 2020 | \$1,765,265 | 16.26% | \$287,032 | \$63,076 | \$1,989,221 |

Total Change in Account Value: 98.92%

The purpose of this illustration is to demonstrate the potential risks of depleting an account when annual withdrawals are combined with market volatility. This illustration shows hypothetical results of an account invested in a broad stock market index and does not account for the re-investment of dividends or any investment fees associated with an account. The index values used for the calculations are month- end closing values that are adjusted for dividends and splits and were obtained from Yahoo Finance & Macrotrends. Calculations assume deferral of taxes. The Standard & Poors 500 (S&P 500) is an unmanaged group of securities considered to be representative of the stock market in general.

Can Market Volatility Impact My Retirement?

Investment Amount: \$1,000,000
Index to Illustrate: S&P 500
Beginning Month/Year: January - 2000
Ending Month/Year: December - 2020

Annual Income Withdrawal: 4.00%

Annual Income Withdrawal COLA: 2.00%

| Year | Beginning Value | One-Year Index Return | Change in Value | Annual Withdrawal | Year End Value |
|------|-----------------|-----------------------|-----------------|-------------------|----------------|
| 2000 | \$1,000,000 | -10.14% | (\$101,400) | \$40,000 | \$858,600 |
| 2001 | \$858,600 | -13.04% | (\$111,961) | \$40,800 | \$705,839 |
| 2002 | \$705,839 | -23.37% | (\$164,954) | \$41,616 | \$499,268 |
| 2003 | \$499,268 | 26.38% | \$131,707 | \$42,448 | \$588,527 |
| 2004 | \$588,527 | 8.99% | \$52,909 | \$43,297 | \$598,138 |
| 2005 | \$598,138 | 3.00% | \$17,944 | \$44,163 | \$571,919 |
| 2006 | \$571,919 | 13.62% | \$77,895 | \$45,046 | \$604,768 |
| 2007 | \$604,768 | 3.53% | \$21,348 | \$45,947 | \$580,169 |
| 2008 | \$580,169 | -38.49% | (\$223,307) | \$46,866 | \$309,995 |
| 2009 | \$309,995 | 23.45% | \$72,694 | \$47,804 | \$334,886 |
| 2010 | \$334,886 | 12.78% | \$42,798 | \$48,760 | \$328,924 |
| 2011 | \$328,924 | 0.00% | \$0 | \$49,735 | \$279,189 |
| 2012 | \$279,189 | 13.41% | \$37,439 | \$50,730 | \$265,899 |
| 2013 | \$265,899 | 29.60% | \$78,706 | \$51,744 | \$292,860 |
| 2014 | \$292,860 | 11.39% | \$33,357 | \$52,779 | \$273,438 |
| 2015 | \$273,438 | -0.73% | (\$1,996) | \$53,835 | \$217,607 |
| 2016 | \$217,607 | 9.54% | \$20,760 | \$54,911 | \$183,456 |
| 2017 | \$183,456 | 19.42% | \$35,627 | \$56,010 | \$163,073 |
| 2018 | \$163,073 | -6.24% | (\$10,176) | \$57,130 | \$95,767 |
| 2019 | \$95,767 | 28.88% | \$27,658 | \$58,272 | \$65,153 |
| 2020 | \$65,153 | 16.26% | \$10,594 | \$59,438 | \$16,309 |

Total Change in Account Value: -98.37%

The purpose of this illustration is to demonstrate the potential risks of depleting an account when annual withdrawals are combined with market volatility. This illustration shows hypothetical results of an account invested in a broad stock market index and does not account for the re-investment of dividends or any investment fees associated with an account. The index values used for the calculations are month- end closing values that are adjusted for dividends and splits and were obtained from Yahoo Finance & Macrotrends. Calculations assume deferral of taxes. The Standard & Poors 500 (S&P 500) is an unmanaged group of securities considered to be representative of the stock market in general.