



How to understand the risks you face in retirement

The people who have the most successful retirement plans are the ones who have an understanding of the financial risks they face. This article brings alive the four key risks with straightforward explanations and an easy to understand example.

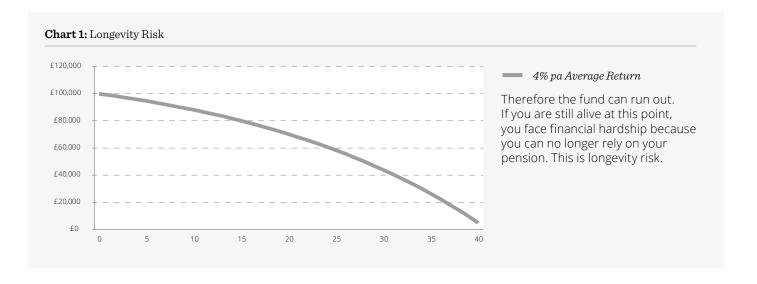
An easy to understand example

The example used throughout this article is an individual who:

- has £100,000,
- withdraws £5,000 at the end of every year
- achieves 4% per year growth on their pension after all charges.



If we take the example and draw the outcome, we can see that over time, the £100,000 will be eroded by the withdrawals and the fund will run out shortly after the 40th anniversary.





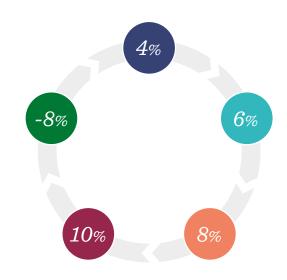
The investment markets do not go up every year by a fixed amount (i.e. 4% per year). They fluctuate over time. To show how the investment markets work, we need a basic sequence of returns.

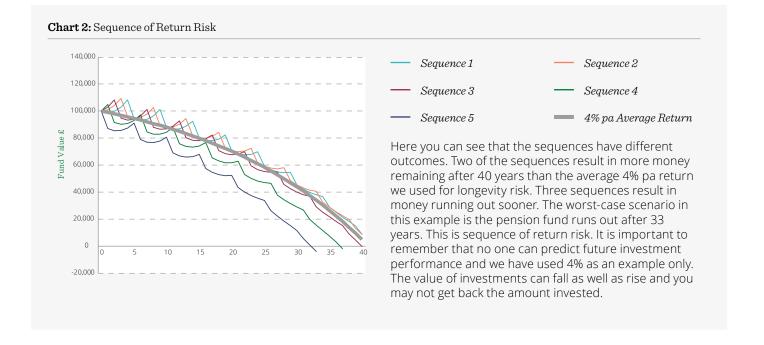
This basic sequence of investment returns is over a five-year period. The average over that period is 4% per year. From this basic sequence, we can create five sequences of returns. Each one starts at a different point on the circle. You just chose the starting point for the sequence and then follow the numbers in a clockwise direction.

- 1. 4%, 6%, 8%, 10%, -8%
- 2. 6%, 8%, 10%, -8%, 4%
- 3. 8%, 10%, -8%, 4%, 6%
- 4. 10%, -8%, 4%, 6%, 8%
- 5. -8%, 4%, 6%, 8%, 10%

To create a sequence that is longer than 5 years, you just keep going clockwise around the circle and repeating the five-year cycle.

You can then use these sequences within your simple example and draw the outcome.

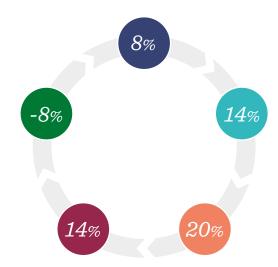


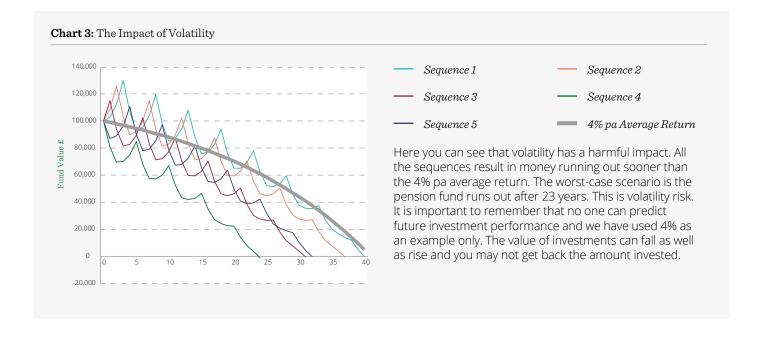




What happens if the investment returns go up and down by greater amounts (i.e. they are more volatile)? To demonstrate the concept of volatility risk we can take our basic sequence of returns and make them more volatile. This example keeps to the average over the five-year period as 4% per year.

Using the same method as before, you can use these sequences within the basic example and draw the outcome.

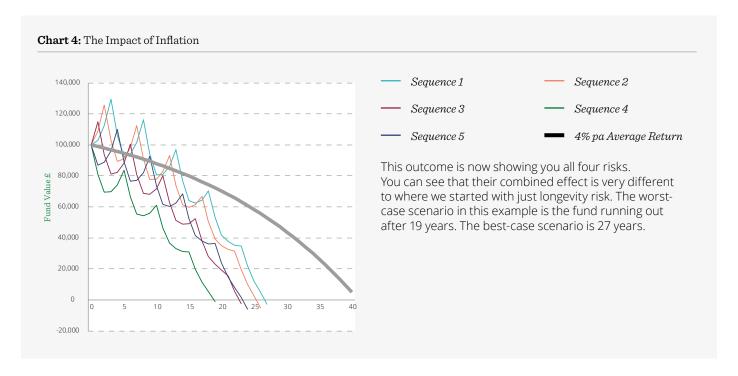






In this example, we take the example used to show volatility risk and just increase the amount being taken each year by inflation. We do this to maintain the purchasing power of the withdrawals.

The example uses an inflation rate of 2% per year and the outcome is drawn below.



What you should do next

Take the time to think about this basic example and the four risks. Our financial advice will assess your personal circumstances and help you put in place a plan that will manage these risks.

This article was inspired by the Sequencing of Returns paper written by Milvesky in 2006.

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