

# Risk Illustrations - Report

Last Modified on 13/02/2024 3:35 pm GMT

If you have edited any details within the Advanced Options screen, you will need to select 'Yes' or 'No' to the Capacity for Loss statement before continuing to the next step:

**Capacity for Loss Statement**  
In consideration of sequence risk, In the worst case scenario, my client can afford to lose **13.82%** or more, in any one year, defined as the worst year of returns in the forecast, assuming a 20 year term. This equates to the 5% (or 1 in 20) worst outcomes from the Moody's mathematical simulation. This may equate to **£27,861.12** in the first year.

If you have no answered the Capacity for Loss statement, you will need to answer before continuing to the next step.

**Capacity for Loss Statement**  
In consideration of sequence risk, In the worst case scenario, my client can afford to lose **13.82%** or more, in any one year, defined as the worst year of returns in the forecast, assuming a 20 year term. This equates to the 5% (or 1 in 20) worst outcomes from the Moody's mathematical simulation. This may equate to **£27,861.12** in the first year.

The report screen shows a summary of the Illustration before you can download the report:

The screenshot shows the Synaptic Risk Explorer interface. At the top, there is a navigation menu with options like Synaptic Pathways, Home, Paraplanner Access Centre, etc. The main content area displays a 'Risk Illustration' summary for 'Test Client1'. The summary includes:

- Client: Test Client1
- Client Risk Category: Moderately Cautious (High End)
- Created Date: 28/09/2023, 10:43
- Term of Investment: 10 Years
- Initial Amount: £200,000.00
- Regular Contribution: £200.00 / pm
- Regular Withdrawal: £500.00 / pa
- Growth Basis: Without Inflation
- Rebalanced Annually: Yes
- Total Solution Cost: 1.42%
- Potential First Year Loss: 14.88% or £30,042.72
- Investment Risk Category: Balanced (Low End)
- Objective Risk Category: Moderately Cautious (High End)
- Investment Scenario Pathway: Vanguard LifeStrategy 60% Equity A Shares Acc
- Expected Outcome (Mean Gain): £871,113.03 or 67.63%
- Lowest Outcome (Min. Gain): £204,895.00 or -6.44%
- Highest Outcome (Max. Gain): £578,153.00 or 164%

Below the summary, there is a 'Note' about screen formatting and buttons for 'Send to Contact' and 'Download Report'. The bottom section of the screen displays the Synaptic Risk Explorer logo and the following details:

- Prepared For: Test Client1
- Illustration Name: Risk Illustration
- Date: 03/10/2023
- Firm Name: Synaptic Pathways UAT
- Address: 1 Parkway, FAREHAM, Parkway, Whiteley, Hampshire, PO15 7AA
- Prepared By: Amy Paulsen
- Contact Details: amy.wood@synaptic.co.uk | 01489 882880

At the bottom left, there is a link: 'About the Synaptic Risk Explorer Illustration Report'.

### The role of research and suitability

This research report is based on a client's specific circumstances and is part of a professional, goal-oriented, financial planning exercise. In order to establish the suitability of a recommendation, an accurate illustration of the investment outcome must be shared with the client so that 'informed consent' can be given. The principle purpose of this report is to offer proof of suitability by using accurate data and sophisticated forecasts to show the role of risk in meeting the client's goals and quantifying possible losses.

### Stochastic modelling using Moody's Analytics Industry leading Economic Scenario Generator

The forecasts in this report are generated using the Moody's stochastic engine, the Economic Scenario Generator, scoring probability to a full range of viable investment outcomes.

This approach demonstrates an accuracy proven over many market cycles over many years.

It is the same methodology that is relied on extensively by many institutions in the management of investment risk and the optimisation of portfolios.

### Alignment of client's objectives to an appropriate investment risk category and asset allocation

This report details every aspect of risk relevant to a recommendation, including the client's risk profile (attitude to risk) and correct alignment to an investment strategy represented by a strategic asset allocation.

Risk categories are mapped to the scoring of the attitude to risk questionnaire.

Clients can therefore rely on the correct alignment of their investment objective to the recommended investment strategy.

### The role of risk in compliance

The report is structured around the classic risk governance model demonstrating:

- The client's need to take risk;
- The client's risk profile based on their attitude to risk revealed through use of the psychometric attitude to risk questionnaire;
- Extent of losses expected on the investment journey, required to assess the client's 'capacity for loss'.

Quantifying the risk that a client is 'willing and able to take' is a regulatory requirement in MIPD II and FCA COBS.

### Capacity for Loss

'Tailoring investment risk according to a client's 'need to take risk' and their 'risk profile' is dependent on their 'capacity for loss', an expert determination made by the adviser. The analysis in this report shows expected returns and expected losses over relevant investment horizons.

Sequence risk is acknowledged in this methodology as expected losses in the 'worst year' of the term are quantified (on a 1 in 20 years basis).

Recorded as the 'min gain', this represents one of the main calculations provided by the stochastic forecast, a 'value at risk' measure (over 12 months), representing the extent of losses expected for given risk category.

Unlike more common volatility-based measures, 'value at risk' recognises the trend of the investment.

### The basis of effective client engagement and ongoing advice

Providing a full, accurate and meaningful illustration of an investment outcome is the correct basis for building a financial plan and building trust with a client.

A client who understands the risks around their investment is more likely to commit to a strategy which they are comfortable with and remain invested for the duration of the term.

The successful attainment of a client's goals will depend on the initial recommendation, ongoing reviews performed by the adviser and the implementation of the firm's investment strategy, as evidenced in the following report.

## Illustration Research Summary

### Illustration Investment Details

<b>About You</b>	Test Client1, 08th 3rd October 2023
Your Risk Profile	4 of 10 Moderately Cautious (High End)
<b>Illustration Inputs</b>	
Risk Category	4 of 10 Moderately Cautious (High End)
Investment Term	10 Years
Investment Amount	£200,000.00
Regular Contribution	£200.00 Monthly
Contribution Indexation Rate	0.00%
Regular Withdrawal	£500.00 Annually
Withdrawal Indexation Rate	0.00%
Include the Impact of Inflation	No
Rebalanced Annually	Yes
<b>Adviser Fees</b>	
Initial Fee	0%
Regular Fee Per Annum	0%
One off Fee for Advice	£0.00
<b>Total Solution Cost</b>	
Reduction in Yield (RIY)	1.4%
<b>Recommended Portfolio</b>	
Investment Portfolio	Vanguard LifeStrategy 60% Equity A Shares Acc

### Client Risk Category

#### Moderately Cautious (High End)

Moderately Cautious investors have fairly limited experience and understanding of investments. They often take a long time to make investment decisions and tend to be anxious about any investment decisions they have made. They are inclined to associate risk with potential loss rather than opportunity. They may prefer bank accounts or lower risk investments to higher returning but riskier investments (such as stocks, shares and investment funds). However, they may be willing to take some risk, once the relationship between risk and higher returns has been explained to them. Moderately Cautious investors are more risk averse than about 70% of the investing population (i.e. compared to 7 people out of 10).

### Risk Category for Illustration

#### Moderately Cautious (High End)

Moderately Cautious investors have fairly limited experience and understanding of investments. They often take a long time to make investment decisions and tend to be anxious about any investment decisions they have made. They are inclined to associate risk with potential loss rather than opportunity. They may prefer bank accounts or lower risk investments to higher returning but riskier investments (such as stocks, shares and investment funds). However, they may be willing to take some risk, once the relationship between risk and higher returns has been explained to them. Moderately Cautious investors are more risk averse than about 70% of the investing population (i.e. compared to 7 people out of 10).

### Forecast Summary Based on Investment Scenario

<b>Summary</b>	
Contributions During Term	£224,000.00
Withdrawals During Term	£5,000.00
Total Invested During Term	£219,000.00
<b>Expected Outcome (Mean Gain)</b>	<b>£367,113.03 or 63.89%</b>
Lowest Outcome (Min. Gain 5% Chance)	£204,895.00 or -8.53%
Highest Outcome (Max. Gain 5% Chance)	£576,153.00 or 158.1%
<b>Portfolio Charges</b>	
Total Portfolio Charges Anticipated	£6,374.29 or 1.74%
<b>Adviser Fees</b>	
Initial Fee	£0.00
Regular Fee Total Over Term	£0.00 or 0%
One off Fee for Advice	£0.00
<b>Total Solution Cost</b>	
Reduction in Yield (RIY)	1.4%

### Additional Information

The risk profile of the investment scenario is determined by mapping the 'min. gain value' (Lowest Outcome) or 'Value at Risk' metric to the investment strategy.

Growth of the investment is (stochastically) projected in the forecast to assist with financial planning.

Loss metrics (min. gain value) are included in the assessment of the Client's 'Capacity for Loss'.

Disclosure of costs and showing the impact of costs is mandatory (MIPD II), but also helps build trust and appreciation of value for money with the client.

Inclusion analysis of the impact of inflation on the Client's financial plans. The stochastic methodology is comprehensive and includes every viable value for inflation across the term, with results reflecting all viable investment outcomes and sequences.

Illustrations showing the impact of inflation can be alarming. Show the Client the impact of inflation on funds if not invested. Countering the impact of inflation is an important role.

### Forecast Projection Based on Investment Scenario



Fig. 1 Outcome Projection Forecast by Year of the Investment Term

### Additional Information

#### Forecast Outcome Projection

The output shows the forecasted return based on the criteria provided for the illustration and the overall suitability of the illustrations plan to meet the objective. The graph shows the mean gain in each of the years in the investment and accounts for contributions and withdrawals made during the term.

The minimum and maximum gain values for each year are shown to provide an indication of the potentially loss that could be incurred and the potential gain. The purpose of the illustration is to show that investment returns are variable and should be balanced with overall risk and term.

### Forecast by Year Based on Investment Scenario

Year	Net Money In	Contributions	Withdrawals	Mean Projection	Net Growth
1	£201,900.00	£2,400.00	£500.00	£216,406.35	£14,506.35
2	£203,800.00	£2,400.00	£500.00	£231,232.48	£27,432.48
3	£205,700.00	£2,400.00	£500.00	£246,068.50	£41,108.50
4	£207,600.00	£2,400.00	£500.00	£260,914.72	£54,117.72
5	£209,500.00	£2,400.00	£500.00	£275,771.09	£66,871.09
6	£211,400.00	£2,400.00	£500.00	£290,645.01	£80,645.01
7	£213,300.00	£2,400.00	£500.00	£305,533.44	£95,523.44
8	£215,200.00	£2,400.00	£500.00	£320,444.11	£110,544.11
9	£217,100.00	£2,400.00	£500.00	£335,376.57	£125,486.57

### Additional Information

#### Table of Returns

The table of returns shows the likely returns for each year of the investment, including the contributions, the withdrawals and the anticipated net gain based on the mean or average gain in each year.

10	£219,000.00	£2,400.00	£500.00	£367,113.03	£148,113.03
----	-------------	-----------	---------	-------------	-------------

Table 1. Investment Return Forecast by Year

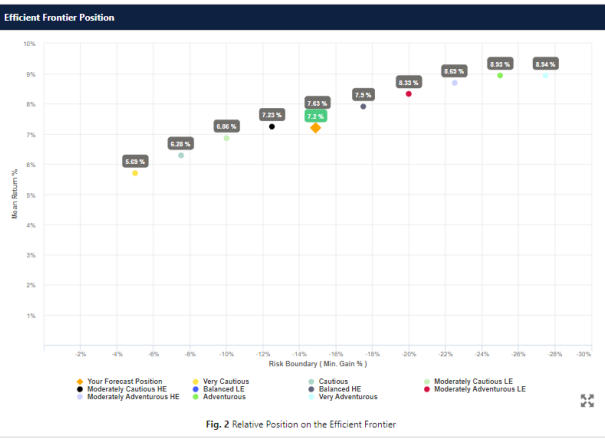


Fig. 2 Relative Position on the Efficient Frontier

**Additional Information**

**Efficient Frontier**

The output shown here is the efficient frontier, which displays your target Portfolio Asset Allocation in relationship to the optimised and active Synaptic Strategic Asset Class based Portfolios that are designed and updated on a quarterly basis to ensure their minimum gain hits the fixed risk boundaries.

If the mean return % is to the right of the curve then you may be taking more risk than required to achieve the return. If the mean return is too low then you may need to consider taking more risk or adjusting or changing the target portfolio.

Suitability is assessed on the basis of whether the investment is likely to deliver on the objectives of the financial plan, and whether there is alignment between the components of the risk governance model relating to the Client investment goal - The need to take risk - the Client's risk profile - the Client's capacity for loss.

Use the efficient frontier and investment plot to demonstrate that a portfolio or fund is aligned for risk and return.

**Portfolio Summary**

<b>Portfolio details for Investment Scenario</b>	
Recommended Portfolio	Vanguard LifeStrategy 60% Equity A Shares Acc
Promoter	Vanguard Investments UK Limited

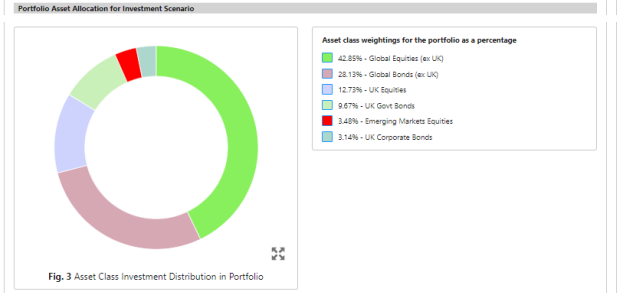


Fig. 3 Asset Class Investment Distribution in Portfolio

**Capacity for Loss MIFID II Compliance Statement**

**Capacity for Loss Questionnaire**

In consideration of sequence risk, in the worst case scenario, you agree you can afford to lose **14.88%** or more, in any one year, defined as the worst year of returns in the forecast, assuming a 20 year term. This equates to the 5% (or 1 in 20) worst outcomes from the Moody's mathematical simulation. This may equate to **£30,042.72** in the first year.

- You will need to start spending the investment return at the following point in the future. 10 to 14 yrs
- You don't have any significant outstanding debts and don't expect to incur any during the period of my investment (e.g. mortgage or credit cards). Agree
- Your spouse, partner or family member is likely to be able and willing to support you financially if circumstances require. Strongly Agree
- It would be relatively easy for you to cut expenditure in retirement if circumstances require. Agree
- You are flexible about your investment horizon. You could wait before using your investment. Agree

**Additional Information**

In the regulatory risk governance model, the need to take risk must be considered with a client's risk profile or attitude to risk, and must not exceed a client's Capacity for Loss. A client's capacity for loss increases with term. A client should understand the relationship between term, investment risk and investment returns as part of providing informed consent.

**Disclaimer**

**Terms & Conditions**

**Glossary of Terms**

**Discretionary Fund Management (DFM)**  
A form of investment management in which investments are made on behalf of clients. The term "discretionary" refers to investment decisions being made by the investment manager based on the investment manager's judgement rather than under the direction of the client.

**Ongoing Charges Figure (OCF)**  
The ongoing charges figure, or OCF, covers the actual day-to-day costs of running the fund(s) within the investment.

**Reduction in Yield (RIY)**  
The term 'reduction in yield' or RIY is a way of expressing the impact of all charges on a savings, investment or pensions policy over a period of time.

**Costs and Charges**  
Portfolio Charges  
Adviser Charges

**Indexation**  
Retail Price Index (RPI)  
Consumer Price Index (CPI)  
Average Weekly Earnings (AWE)

**Nominal or Real**  
Nominal - Investment returns basis only (net of charges or inflation)  
Nominal - Investment returns with costs and charges (net of adviser charges)  
Real - Investment returns with impact of inflation (net of charges)  
Real - Investment returns with costs, charges and inflation

**Inflation**  
Inflation risk is the risk that the buying power of your capital decreases over time.  
If you invest your money into a bank savings account and the net return does not keep up with the risk in retail prices, it means in real terms your money is losing value.

Statements Prepared by Amy Paulsen, Synaptic Pathways LUAT, 1 Parkway, PAREHAM, Parkway, Whiteley, Hampshire, PO15 7AA FRN # 623456  
Date: 3rd October 2023. Reference # 2892023CLIENT1

[Back](#)

To PDF the report, click 'Download Report'

Synaptic Pathways Home Paraplanner Access Centre Contacts Research Portfolio Builder Investment Pathways Generic Funds Configuration Fund Lists Knowledge Base My Apps & Settings Valuations Risk Illustration | Risk Illustration X

Q Search...

Risk Illustration: **Risk Illustration** Duplicate Illustration Edit Delete

Client: **Test Client!** Client Risk Category: **Moderately Cautious (High End)** Created Date: **28/09/2023, 10:43**

Report  Mark Status as Complete

Term of Investment 10 Years	Initial Amount £200,000.00	Growth Basis Without Inflation	Total Solution Cost 1.40%	Investment Risk Category Balanced (Low End)	Objective Risk Category Moderately Cautious (High End)	Expected Outcome (Mean Gain) £367,113.03 or 67.63%
Regular Contribution £200.00 / pm	Regular Withdrawal £500.00 / pa	Rebalanced Annually Yes	Potential First Year Loss 14.88% or £30,042.72	Investment Scenario Pathway Vanguard LifeStrategy 60% Equity A Shares Acc		Lowest Outcome (Min. Gain) £204,895.00 or -6.44%
						Highest Outcome (Max. Gain) £778,153.00 or 164%

Note: The on screen formatting of this report will differ from that used when downloading the report.

Send to Contact Download Report

**Synaptic Risk Explorer**  
Illustration Report

Prepared For: **Test Client!**  
Illustration Name: **Risk Illustration**  
Date: **03/10/2023**

You can mark the status as complete in the top right of the screen:

Mark Status as Complete