

copia:capital

Monthly Portfolio Update

October 2023

For advisers only



Market Performance

Risk Barometer

Portfolio Realignments

Portfolio Performance

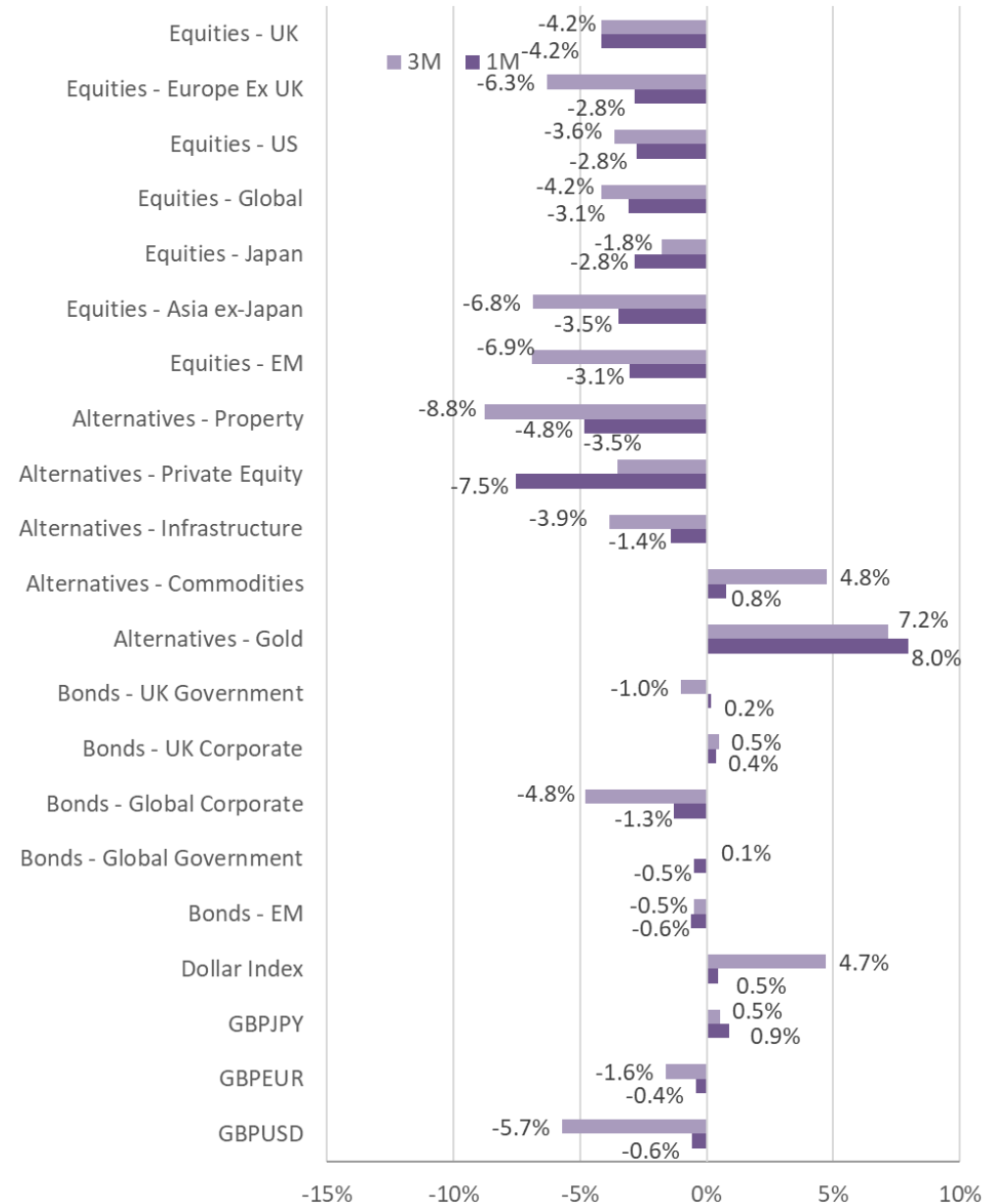
Outcome Charts



Market performance

- Markets have been unsettled in recent months as investors faced growing geopolitical concerns as well as coping with ongoing inflation pressures. On October 7th, the Hamas attack on Israel marked the largest scale assault on Israel since the Yom Kippur War in 1973. Since then, the conflict has intensified with an Israeli ground invasion in Gaza and there are concerns that further escalation could draw in other countries from the Middle East. As a result, stocks fell in October dragging most indices down for the three-month review period. Bonds were also negatively impacted over the period although returns were muted in comparison while commodities rallied. A flight to safety led to US dollar strengthening against the Pound as well as other currencies.
- Focussing on equities, there was no place to hide as most developed and emerging market regions fell over the period. Global equities fell -4.2% as the prospect of 'higher for longer' interest rates and an escalating conflict in the Middle East dampened investor appetite. This was despite strong economic data coming out of the US and China where quarterly GDP growth surprised to the upside. In terms of styles, growth stocks fared better than value and small cap stocks underperformed their large cap counterparts. Regionally, Japan (-1.8%) and the US (-3.6%) were the best performing countries while Asia and emerging markets lagged developed markets over the period.
- Turning to Fixed Income markets, Government bonds, particularly long-dated bonds, were negatively impacted as yields continued to rise (meaning prices fell) on the back of higher inflation expectations as well as statements by various central banks indicating that rates were likely to stay higher for longer. As a result, yields on 10-year Gilts and US treasuries continued to rise to levels not seen since 2008. Riskier segments of the market including High Yield and Emerging Market Debt also fell as credit spreads widened. On a positive note, we maintain most bond exposure in short duration (maturity) investment grade bonds, which has protected the portfolios from large swings in interest rate moves and has been able to generate gains over the period as well as more recently since the conflict started.
- Within alternatives, commodities posted strong gains over the period. Oil prices surged early in the quarter but gave back some returns in October as demand started to slow and supply increased off the back of the US lifting sanctions on Venezuelan exports. Overall, the conflict in Israel/Gaza did not materially impact oil prices in October however this is something to watch as the conflict unfolds. Gold performed well as investors gravitated toward 'safe haven' assets. Rising interest rates remain a headwind for the real estate and infrastructure sectors which declined over the period.
- In conclusion, geopolitical risks have certainly risen in recent weeks, and this created further uncertainty. While market volatility has been elevated, there appears to be hope that the conflict can be contained without drawing in regional or global powers. This is obviously a fluid situation that we will be monitoring closely. Despite a challenging macroeconomic backdrop, we are cautiously optimistic that some value is returning to certain sectors of the market, presenting greater opportunities for long-term investors. We still believe caution is warranted in this environment but are looking to take advantage of investment opportunities as they arise.

Market Performance



Source: Refinitiv Datastream, Copia Capital Management. All numbers expressed in GBP

Asset class overview: performance table

	%mm Performance												Return Characteristics									Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Equities - UK	7.5%	-1.2%	3.6%	2.3%	-2.9%	2.5%	-3.1%	0.1%	2.6%	-2.0%	2.0%	-4.2%	-4.2%	-4.7%	6.9%	40.2%	-9.2%	19.1%	-9.4%	17.7%	0.8%	0.5%	11.9%	12.9%	-8.0%	-10.9%
Equities - Europe Ex UK	7.7%	0.0%	5.1%	2.3%	0.3%	2.0%	-2.3%	0.9%	2.1%	-2.2%	-1.4%	-2.8%	-6.3%	-5.7%	11.7%	31.7%	-9.5%	21.0%	8.2%	16.3%	-6.7%	3.7%	10.8%	15.0%	-8.7%	-20.0%
Equities - US	-2.4%	-2.9%	2.1%	1.1%	-0.4%	1.0%	3.1%	2.7%	2.1%	0.1%	-1.0%	-2.8%	-3.6%	4.2%	2.6%	40.6%	0.2%	26.3%	13.8%	31.2%	-8.6%	8.2%	7.4%	12.8%	-7.3%	-15.1%
Equities - Global	0.2%	-2.3%	3.0%	1.0%	-0.6%	1.0%	1.6%	2.3%	2.2%	-0.6%	-0.5%	-3.1%	-4.2%	1.8%	4.1%	34.3%	-3.5%	23.2%	12.4%	23.8%	-8.0%	6.2%	6.4%	12.0%	-7.1%	-14.9%
Equities - Japan	6.0%	-1.0%	3.9%	-2.2%	1.9%	-0.1%	2.4%	1.9%	1.2%	-1.2%	2.3%	-2.8%	-1.8%	3.8%	12.8%	13.4%	-7.5%	13.9%	12.6%	2.4%	-6.8%	7.4%	9.0%	11.7%	-7.9%	-19.0%
Equities - Asia ex-Japan	10.8%	-0.1%	5.3%	-4.4%	-1.7%	-0.8%	-4.9%	1.5%	2.6%	-4.2%	0.7%	-3.5%	-6.8%	-7.8%	0.2%	15.2%	-5.1%	13.9%	3.4%	5.5%	5.5%	-9.5%	15.9%	14.7%	-16.9%	-16.9%
Equities - EM	10.8%	-1.2%	5.1%	-4.6%	0.7%	-2.2%	-0.4%	0.8%	4.7%	-4.4%	0.5%	-3.1%	-6.9%	-2.2%	5.7%	-5.6%	-9.6%	13.9%	14.3%	-1.7%	-10.5%	-3.4%	15.4%	13.6%	-10.7%	-27.1%
Alternatives - Property	1.3%	-1.5%	4.6%	-1.4%	-7.3%	1.8%	-3.3%	1.0%	2.3%	-1.0%	-3.2%	-4.8%	-8.8%	-8.9%	-11.4%	7.3%	0.0%	17.7%	-11.7%	28.3%	-15.3%	-11.3%	11.7%	15.3%	-19.6%	-26.3%
Alternatives - Private Equity	3.1%	-5.4%	8.5%	1.5%	-7.1%	0.4%	-0.3%	4.2%	4.9%	0.5%	3.9%	-7.5%	-3.5%	5.2%	5.2%	49.7%	-8.9%	39.3%	1.2%	43.6%	-19.9%	8.0%	17.3%	20.4%	-15.5%	-25.8%
Alternatives - Infrastructure	2.7%	-0.8%	-0.1%	-1.9%	1.0%	0.5%	-1.9%	-0.2%	1.5%	-1.4%	-1.1%	-1.4%	-3.9%	-4.5%	-3.2%	1.1%	1.5%	14.6%	3.8%	7.2%	-3.3%	-5.0%	5.0%	7.2%	-8.5%	-12.4%
Alternatives - Commodities	0.2%	-2.1%	-1.7%	-2.5%	-2.1%	-2.7%	-3.7%	0.2%	4.5%	1.0%	2.9%	0.8%	4.8%	5.7%	-5.4%	79.5%	-3.2%	4.0%	-0.9%	34.6%	32.8%	-3.6%	8.6%	13.9%	-18.6%	-21.6%
Alternatives - Gold	3.1%	2.8%	3.6%	-3.7%	6.1%	-1.0%	0.5%	-5.2%	1.5%	0.1%	-0.8%	8.0%	7.2%	3.6%	15.0%	12.5%	4.3%	14.6%	20.0%	-2.9%	11.8%	8.6%	13.1%	13.3%	-9.0%	-18.2%
Bonds - UK Government	2.8%	-4.5%	2.6%	-3.5%	2.9%	-1.5%	-3.2%	-0.9%	0.7%	-0.2%	-1.0%	0.2%	-1.0%	-4.4%	-5.8%	-30.4%	0.3%	6.6%	8.4%	-5.2%	-24.0%	-4.0%	8.6%	10.1%	-11.8%	-34.7%
Bonds - UK Corporate	3.4%	-2.1%	3.6%	-2.4%	1.0%	0.2%	-1.9%	-1.5%	2.0%	0.1%	0.0%	0.4%	0.5%	-1.0%	2.5%	-16.8%	-1.6%	9.3%	7.9%	-3.1%	-17.5%	1.3%	7.0%	8.6%	-7.4%	-27.1%
Bonds - Global Corporate	5.5%	0.9%	3.3%	-3.4%	3.1%	1.2%	-2.1%	0.9%	0.9%	-1.2%	-2.4%	-1.3%	-4.8%	-5.0%	5.2%	-16.2%	-3.9%	11.6%	10.0%	-3.3%	-16.0%	-1.2%	9.2%	8.6%	-6.6%	-25.1%
Bonds - Global Government	-0.1%	-0.6%	0.4%	-1.6%	1.5%	-1.2%	-0.7%	-2.6%	-1.2%	0.2%	0.4%	-0.5%	0.1%	-4.4%	-5.9%	-20.1%	5.2%	2.5%	5.7%	-5.6%	-7.9%	-5.3%	3.8%	5.5%	-9.7%	-21.8%
Bonds - EM	4.6%	-0.8%	1.1%	-0.9%	-0.7%	-1.2%	0.4%	0.0%	0.6%	-0.5%	0.6%	-0.6%	-0.5%	0.5%	2.5%	-9.7%	0.0%	12.3%	1.9%	-1.1%	-8.6%	-1.2%	5.4%	7.7%	-8.1%	-15.3%
GBPUSD	3.4%	1.0%	2.3%	-1.7%	2.1%	1.7%	-1.4%	2.6%	1.2%	-1.5%	-3.7%	-0.6%	-5.7%	-3.5%	5.4%	-6.2%	-5.9%	4.0%	3.2%	-0.9%	-11.2%	0.9%	7.5%	8.3%	-7.9%	-24.4%
GBPEUR	-0.7%	-2.6%	0.6%	0.7%	-0.3%	0.0%	2.1%	0.2%	0.1%	0.0%	-1.3%	-0.4%	-1.6%	0.8%	-1.5%	3.4%	-1.1%	5.9%	-5.3%	6.6%	-5.4%	1.9%	3.9%	4.6%	-4.7%	-7.9%
GBPJPY	-2.9%	-4.5%	0.9%	3.0%	-0.2%	4.0%	1.2%	6.1%	-0.5%	0.9%	-1.3%	0.9%	0.5%	7.4%	7.4%	36.0%	-8.3%	3.0%	-2.0%	10.5%	1.8%	15.8%	10.0%	8.6%	-9.0%	-9.0%
Dollar Index	-5.2%	-2.2%	-1.3%	2.8%	-2.3%	-0.9%	2.5%	-1.2%	-1.0%	1.8%	2.4%	0.5%	4.7%	4.9%	-4.4%	13.4%	4.1%	0.4%	-6.8%	6.3%	8.2%	3.1%	8.3%	7.3%	-11.7%	-12.7%

Source: Refinitiv Datastream, Copia Capital Management.

Notes:

Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates.

The performance of each asset class is represented by relevant indices and expressed in GBP terms, which are selected by Copia Capital Management. Reference to a particular asset class does not represent a recommendation to seek exposure to that asset class. *Maximum Return Drawdown is defined as the largest single drop from peak to trough of the value of an asset class or portfolio over any timeframe within the stated period. This information is included for comparison purposes for the period stated but is not an indicator of potential maximum loss for other periods or in the future. Past performance is not indicative of future performance.



Market Performance
Risk Barometer
Portfolio Realignments
Portfolio Performance
Outcome Charts



-0.62

As of 30-Sep-2023



-0.59

As of 31-Oct-2023

Based on our proprietary Prediction Algorithm the Copia Risk Barometer is reading -0.59 as of 31-Oct-2023, a change of +0.03 from last month, staying in the Red zone, indicating that the global economic outlook is still negative.

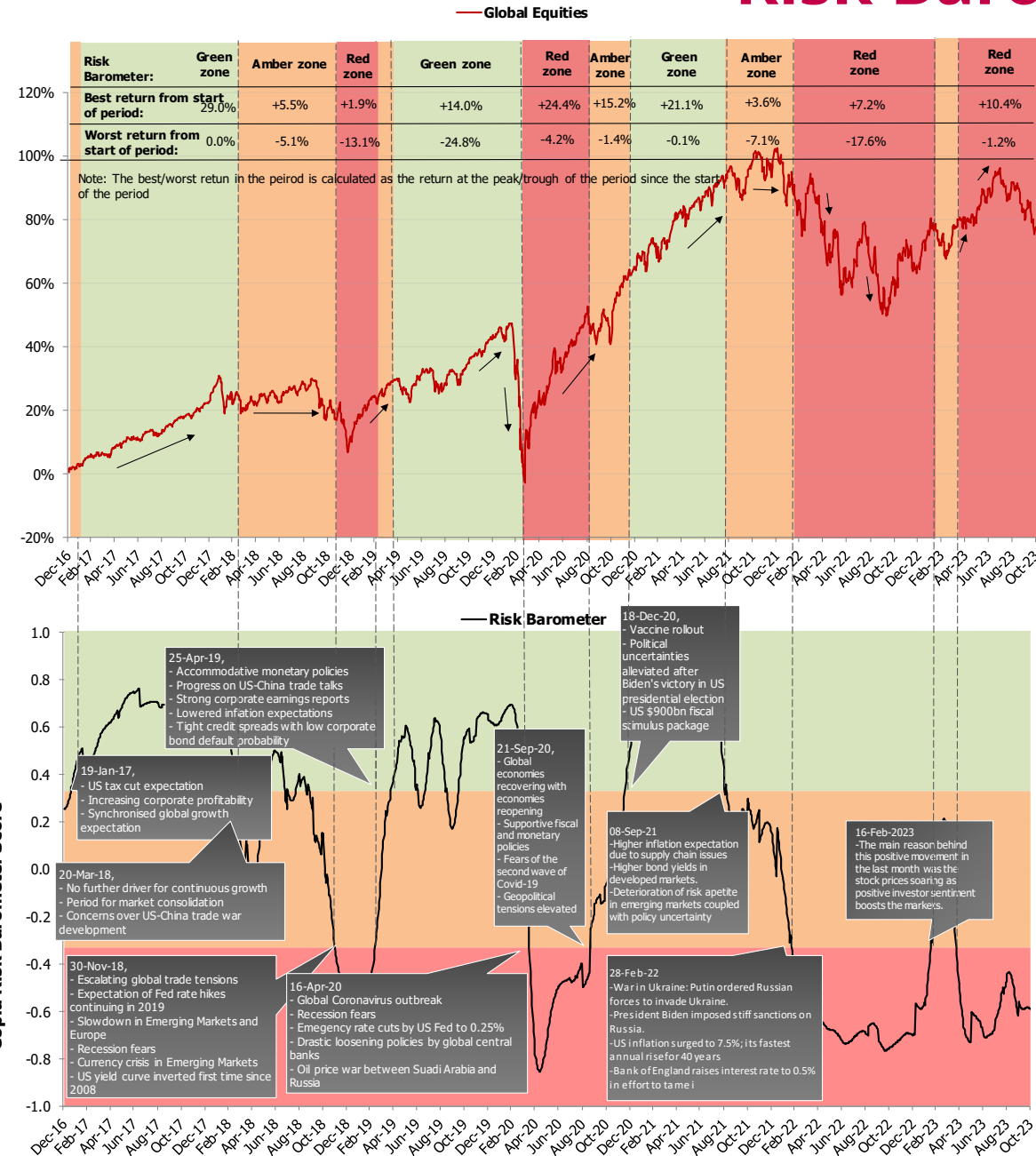
Primary drivers for the Risk Barometer:

- **Government bond markets:** Major global yield curves remain heavily inverted following a steep shift upwards in major developed market yield curves over the last year. This is a cautionary signal from the bond markets suggesting the liquidity fuelled rally in risk assets has come to an end. Historically recessions have followed 9 out of 10 times, 18 months from the point when the yield curve inverts and remains in inversion.
- **Equity market pricing:** YTD 2023 has seen a significant rally across markets as confidence has returned to developed markets and the reopening of the Chinese economy following the removal of the zero covid policy. This has resulted in increased risk barometer readings in the early portions of this year as positive momentum signals were picked up. While we see certain areas of the market continue to post increasing returns the breadth of market returns is very narrow. This lack of breadth is being picked up in the risk barometer reading with markets not including a handful of the top US tech names such as UK, global small-cap and emerging markets as an example having shown a slowdown in the weeks prior to May and significant negative returns in areas over the last number of weeks.
- **Credit Spreads:** The tight credit spreads which had underpinned positive sentiment in risk assets all through 2021 continue to be materially expanded. Rising Credit Default Swap indices indicate corporate bond investors have now priced in the probability of an inflation/Fed induced recession. Although these levels are not comparable to those seen during the Covid recession, the spreads have materially widened compared to levels seen in the months pre-covid. These spreads have remained at a relatively consistent level over the last number of months and while can be considered a risk off signal this presents opportunity in certain select areas of credit markets not available to investors over the last number of years.
- **Overall:** The Risk Barometer is picking up much more negative signals than positive with Equity, credit spreads and government bond markets presenting a cautious signal. These cautious signals have kept us in the red zone where we are cautious of the overall health of markets noting the lack of breadth of returns in equity markets while continuing seeing some value in certain select sectors of the market.

Note: The Risk Barometer score varies between -1.0 and +1.0. A score of -1.0 indicates an extremely poor economic outlook, which is accompanied by a high probability of negative returns in risky asset classes. A score of 0 indicates a neutral economic outlook with almost equal probability of positive and negative returns in risky asset classes. A score of +1.0 indicates an extremely positive economic outlook, which is accompanied by a high probability of positive returns in risky asset classes.

Risk Barometer history

- The top chart shows the market performance (best and worst returns) during different Risk Barometer regimes.
- The bottom chart shows how the Risk Barometer has moved between different regimes and the triggers for regime changes.
- The Risk Barometer is a forward-looking quantitative model that provides a systematic rules-based approach for dynamic risk management.



Note: The Risk Barometer score varies between -1.0 and +1.0.

A score of -1.0 indicates an extremely poor economic outlook, which is accompanied by a high probability of negative returns in risky asset classes.

A score of 0 indicates a neutral economic outlook with almost equal probability of positive and negative returns in risky asset classes.

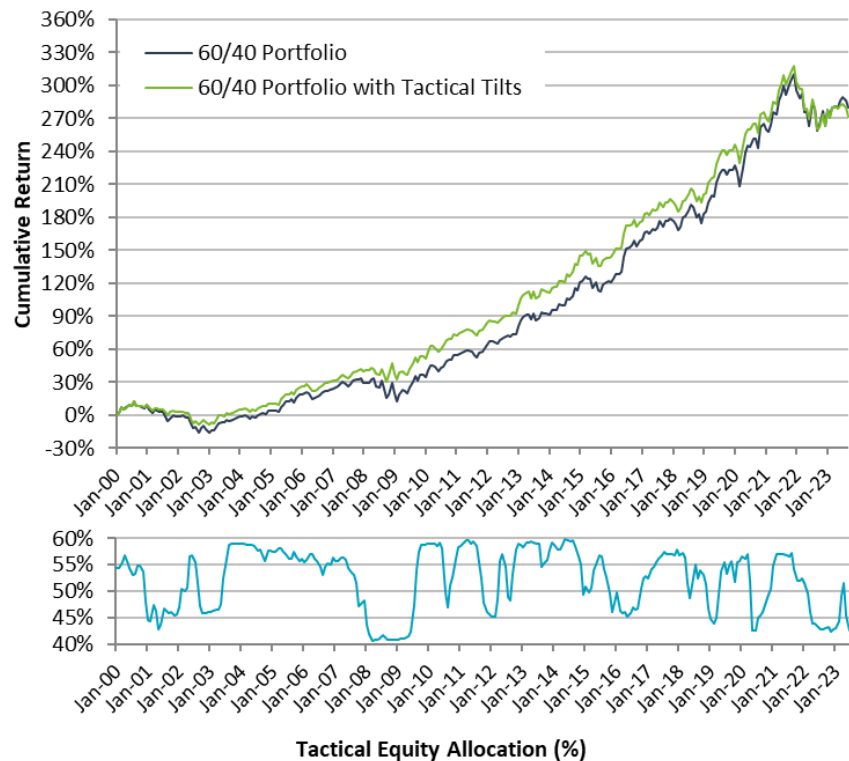
A score of +1.0 indicates an extremely positive economic outlook, which is accompanied by a high probability of positive returns in risky asset classes.

Source: Copia Capital Management, Refinitiv Datastream

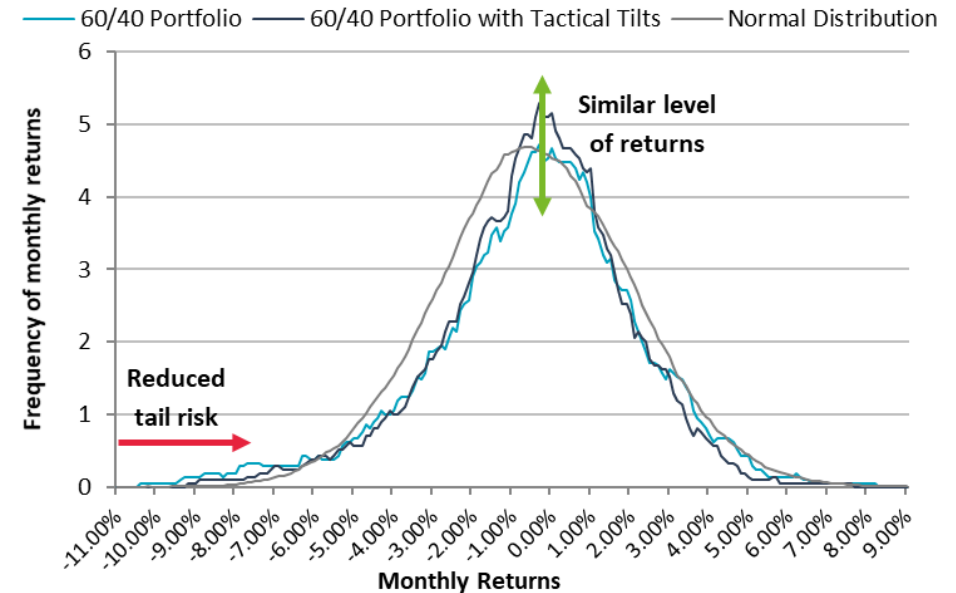
Global Equities Returns is based on actual data of MSCI World Index for the period between 31-Dec-2016 and 31-Oct-2023.

Impact of dynamic risk management using the Risk Barometer

- Objective is to achieve similar levels of returns, with a narrower dispersion of returns (reduced tail risk)
- Can enhanced risk-adjusted returns
- Can deliver a smoother investment journey whilst mitigating downside risk
- We evaluate impact using a theoretical 60/40 portfolio with and without the Risk Barometer



	Annualised Return	Annualised Volatility	Sharpe Ratio	Maximum Drawdown
60/40 Portfolio	5.68%	8.35%	0.68	-25.40%
60/40 Portfolio with Tactical Tilts	5.58%	7.30%	0.76	-19.13%
Impact	→ -0.09%	↓ -12.56%	↑ 12.45%	↓ -24.68%



Note: 60/40 Portfolio consists of 60% allocation to MSCI World Index and 40% allocation US 10-year Bond Index rebalanced monthly. Figures are based on historic actual figures in GBP terms for the period 31-Jan-2000 and 31-Oct-2023. All return figures are before fees.

The 60/40 Portfolio with Tactical Tilts consists of dynamic allocation to MSCI World Index within a range of 40% to 60% driven by the Risk Barometer. The portfolio is rebalanced monthly and remaining allocation is to US 10-year Bond Index.

Source: Copia Capital Management, Refinitiv Datastream

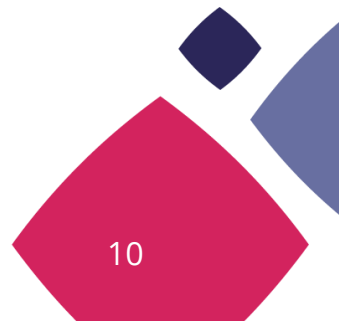
Market Performance
Risk Barometer
Portfolio Realignments
Portfolio Performance
Outcome Charts



October Re-alignment

Copia Select Accumulation, ESG, Blended and Short Duration Bond were rebalanced in October 2023.

2023	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Select Accumulation & Select ESG	█			█			█			█		
Select Volatility			█				█					
Select Retirement Income / Inc. Plus		█							█			
Select Preservation			█			█			█			
Select Decumulation	█	█			█			█				
Thematic			█			█			█			
Select Blended	█				█		█			█		
Short Duration Bond										█		



Market Performance
Risk Barometer
Portfolio Realignments
Portfolio Performance
Outcome Charts



Select Volatility

Previously known as 'Volatility Focus'

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (28 Oct 13)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
1	-0.3%	-0.8%	1.1%	-1.1%	0.7%	-0.1%	-0.8%	-1.2%	0.3%	0.3%	0.4%	0.4%	1.1%	-0.7%	-1.2%	-4.6%	-0.3%	3.0%	1.0%	-1.2%	-3.5%	-0.1%	5.5%	2.6%	2.5%	-3.8%	-6.5%
2	-1.5%	-0.6%	0.8%	-0.9%	0.9%	0.2%	-1.1%	-1.0%	1.1%	0.1%	-0.1%	0.1%	0.2%	-0.9%	-2.1%	0.1%	-0.1%	3.3%	0.8%	-0.8%	0.7%	0.1%	10.6%	3.0%	2.8%	-5.2%	-6.2%
3	-0.5%	-0.6%	0.9%	-1.0%	1.5%	0.7%	-1.7%	-0.9%	1.2%	-0.3%	0.1%	0.1%	-0.1%	-1.5%	-0.7%	-0.1%	-2.5%	5.7%	-0.9%	1.8%	-2.7%	0.5%	15.8%	3.4%	3.2%	-4.0%	-5.8%
4	0.1%	-0.8%	0.7%	-0.8%	1.4%	0.7%	-1.8%	-0.8%	1.1%	-0.3%	0.4%	0.0%	0.0%	-1.4%	-0.1%	1.2%	-3.5%	6.3%	-0.7%	3.6%	-4.3%	0.6%	20.2%	3.2%	3.6%	-3.9%	-6.8%
5	0.7%	-0.8%	1.3%	-0.9%	1.7%	1.0%	-2.6%	-0.3%	1.4%	-0.8%	0.5%	-0.1%	-0.4%	-1.8%	1.1%	1.0%	-4.7%	8.0%	-2.0%	4.4%	-6.4%	1.2%	19.8%	4.3%	4.8%	-5.1%	-8.7%
6	1.3%	-1.0%	1.6%	-0.9%	1.8%	0.8%	-2.4%	0.0%	1.5%	-0.6%	0.2%	0.3%	-0.2%	-1.1%	2.5%	6.9%	-5.0%	9.2%	-2.8%	6.6%	-4.7%	2.2%	26.7%	4.4%	5.2%	-5.0%	-7.3%
7	1.0%	-1.3%	0.8%	-1.1%	2.0%	0.9%	-2.8%	0.4%	1.8%	-0.7%	0.1%	-0.3%	-0.8%	-1.5%	0.9%	8.8%	-5.0%	10.1%	-3.2%	9.3%	-5.4%	1.2%	31.4%	4.7%	5.9%	-5.3%	-8.2%
8	1.8%	-1.3%	0.4%	-1.1%	1.5%	0.9%	-3.2%	0.4%	1.8%	-0.9%	-0.3%	-0.2%	-1.4%	-2.5%	-0.3%	9.5%	-5.4%	10.4%	-1.2%	11.5%	-5.6%	-0.8%	34.8%	5.1%	6.7%	-5.9%	-9.0%
9	2.5%	-1.4%	0.5%	-1.3%	1.5%	0.8%	-3.8%	0.7%	1.9%	-1.0%	-0.5%	-0.1%	-1.6%	-2.9%	-0.4%	11.3%	-7.0%	12.0%	-2.2%	13.0%	-6.4%	-1.4%	35.9%	6.0%	7.7%	-6.5%	-10.1%
10	3.3%	-1.6%	1.1%	-1.6%	1.0%	0.5%	-3.9%	0.3%	1.9%	-1.2%	-0.8%	0.3%	-1.7%	-3.4%	-0.9%	5.5%	-7.3%	12.7%	-0.5%	12.5%	-9.2%	-2.5%	32.2%	6.5%	8.1%	-7.5%	-13.7%

Source: Copia Capital Management

Select Thematic

Previously known as 'Copia Enhanced Equity'

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (14 Mar 16)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Select Thematic	1.1%	-3.0%	4.7%	-0.8%	-1.4%	-2.5%	0.0%	2.9%	2.0%	-2.4%	-1.3%	-5.1%	-8.6%	-4.0%	-5.9%	4.8%	-7.9%	12.9%	3.0%	14.4%	-12.6%	-4.1%	42.8%	9.6%	11.8%	-12.5%	-21.3%

Source: Copia Capital Management

Select Accumulation
Previously known as 'Select'

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (31 Oct 16)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Cautious	2.1%	-0.7%	2.2%	-0.6%	-0.1%	0.5%	-0.8%	-0.1%	1.3%	-0.4%	-0.2%	-1.2%	-1.8%	-1.4%	1.8%	0.6%	-0.5%	9.1%	6.2%	2.0%	-5.2%	0.5%	14.8%	3.9%	4.9%	-3.3%	-8.1%
Moderate	3.3%	-0.8%	2.2%	-1.1%	0.3%	0.3%	-0.8%	0.0%	1.6%	-1.0%	-0.1%	-1.3%	-2.5%	-1.7%	2.3%	5.2%	-1.8%	12.7%	6.9%	6.0%	-5.9%	-0.2%	25.8%	5.0%	6.1%	-3.8%	-9.5%
Balanced	3.7%	-0.9%	2.6%	-1.0%	0.0%	0.3%	-0.6%	0.5%	1.9%	-1.3%	-0.1%	-1.8%	-3.2%	-1.5%	3.3%	12.7%	-4.0%	15.7%	7.0%	10.3%	-5.8%	0.5%	37.1%	5.8%	7.5%	-4.3%	-10.3%
Growth	3.8%	-1.3%	3.0%	-0.7%	-0.4%	0.2%	-0.2%	1.1%	2.3%	-1.6%	-0.2%	-2.4%	-4.2%	-1.1%	3.5%	17.2%	-4.3%	17.6%	6.5%	13.7%	-6.7%	1.0%	43.9%	6.6%	9.0%	-5.7%	-11.4%
Equity	4.2%	-1.2%	3.1%	-0.9%	-0.2%	0.1%	-0.1%	1.2%	2.4%	-1.9%	-0.1%	-2.4%	-4.4%	-1.0%	4.1%	21.2%	-5.2%	18.1%	7.2%	15.9%	-6.3%	1.1%	50.7%	6.9%	9.5%	-5.8%	-11.1%

Source: Copia Capital Management

Select ESG

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (31 Mar 20)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Cautious	2.3%	-1.3%	3.1%	-1.1%	0.2%	0.8%	-1.4%	-0.6%	1.6%	-0.5%	-0.2%	-1.5%	-2.2%	-2.6%	1.2%	-2.4%	#N/A	#N/A	#N/A	1.9%	-7.3%	0.3%	3.2%	5.3%	5.7%	-5.1%	-10.0%
Moderate	3.5%	-1.5%	3.6%	-1.6%	-0.3%	0.8%	-1.6%	-0.5%	2.3%	-1.3%	-0.4%	-2.1%	-3.7%	-3.5%	0.8%	1.0%	#N/A	#N/A	#N/A	6.4%	-9.0%	-1.0%	10.4%	7.0%	7.3%	-7.0%	-12.6%
Balanced	4.2%	-2.0%	4.2%	-1.4%	-0.4%	0.8%	-1.7%	0.3%	2.3%	-1.6%	-0.7%	-2.7%	-5.0%	-4.1%	0.9%	6.4%	#N/A	#N/A	#N/A	10.4%	-9.7%	-1.1%	20.6%	8.2%	8.8%	-7.8%	-14.1%
Growth	4.9%	-3.0%	5.0%	-1.3%	-0.7%	0.6%	-1.5%	1.3%	2.6%	-2.1%	-0.9%	-3.5%	-6.4%	-4.2%	1.0%	10.4%	#N/A	#N/A	#N/A	14.1%	-10.9%	-0.8%	27.0%	9.8%	10.6%	-8.7%	-15.8%
Equity	5.4%	-3.0%	5.1%	-1.5%	-0.8%	0.5%	-1.7%	1.5%	3.0%	-2.4%	-0.9%	-3.6%	-6.8%	-4.3%	0.9%	13.0%	#N/A	#N/A	#N/A	16.3%	-11.1%	-1.2%	31.1%	10.5%	11.2%	-9.2%	-16.3%

Source: Copia Capital Management

Select Decumulation
Previously known as 'Retirement Income'

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (28 Feb 17)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
RP1/3-10Y	1.3%	-0.4%	1.6%	-0.3%	0.2%	0.2%	-0.6%	-0.6%	0.7%	-0.1%	0.4%	-0.5%	-0.1%	-0.6%	2.0%	1.9%	-0.9%	6.0%	0.5%	2.1%	-3.1%	1.0%	6.5%	2.5%	2.9%	-2.7%	-5.8%
RP1/11-15Y	1.9%	-0.9%	2.4%	-0.6%	0.1%	0.1%	-1.2%	-0.1%	0.9%	-0.4%	0.5%	-1.1%	-1.0%	-1.4%	1.6%	1.4%	-1.9%	8.5%	-0.1%	3.1%	-6.0%	0.6%	5.2%	4.0%	4.8%	-4.1%	-9.6%
RP1/16-20Y	2.1%	-1.1%	2.7%	-0.7%	0.0%	0.1%	-1.2%	0.3%	1.0%	-0.5%	0.4%	-1.4%	-1.5%	-1.5%	1.6%	2.5%	-1.9%	9.9%	-0.2%	3.6%	-6.7%	0.6%	7.1%	4.4%	5.6%	-4.4%	-10.4%
RP1/20-25Y+	2.5%	-1.2%	3.1%	-0.7%	-0.1%	0.1%	-1.2%	0.5%	1.3%	-0.8%	0.3%	-1.6%	-2.0%	-1.5%	2.2%	3.4%	-2.0%	11.0%	0.4%	4.6%	-7.5%	0.8%	9.6%	5.1%	6.2%	-4.6%	-11.6%
RP2/3-10Y	1.7%	-0.7%	2.2%	-0.3%	-0.1%	0.3%	-0.8%	-0.1%	1.0%	-0.4%	0.3%	-1.1%	-1.1%	-1.0%	2.1%	5.6%	-2.4%	7.8%	-1.3%	4.8%	-4.5%	1.1%	6.9%	3.5%	4.4%	-3.2%	-7.6%
RP2/11-15Y	2.5%	-1.2%	3.1%	-0.6%	-0.2%	0.2%	-1.4%	0.4%	1.3%	-0.8%	0.4%	-1.7%	-2.1%	-1.8%	1.9%	5.0%	-3.3%	10.8%	-2.8%	5.0%	-7.1%	0.7%	5.0%	5.2%	6.4%	-4.7%	-11.1%
RP2/16-20Y	2.6%	-1.3%	3.4%	-0.5%	-0.3%	0.2%	-1.3%	0.7%	1.4%	-0.9%	0.3%	-2.0%	-2.6%	-1.8%	2.1%	6.6%	-3.1%	12.3%	-2.4%	6.4%	-7.8%	0.9%	8.3%	5.7%	7.0%	-4.8%	-12.0%
RP2/20-25Y+	2.7%	-1.5%	3.7%	-0.6%	-0.3%	0.1%	-1.2%	1.1%	1.7%	-1.0%	0.1%	-2.2%	-3.0%	-1.5%	2.6%	7.7%	-3.0%	13.2%	-1.7%	6.9%	-8.2%	1.3%	11.2%	6.1%	7.6%	-5.0%	-12.7%
RP3/3-10Y	2.6%	-0.9%	2.9%	-0.5%	-0.3%	0.4%	-1.2%	0.2%	1.3%	-0.8%	0.3%	-1.7%	-2.2%	-1.9%	2.0%	7.5%	-3.6%	10.4%	-4.1%	7.0%	-6.5%	0.4%	5.4%	5.0%	6.1%	-4.3%	-10.4%
RP3/11-15Y	3.0%	-1.3%	3.6%	-0.6%	-0.5%	0.4%	-1.5%	0.8%	1.5%	-1.1%	0.3%	-2.3%	-3.1%	-2.4%	2.0%	8.3%	-4.1%	12.5%	-4.9%	8.2%	-8.3%	0.3%	5.7%	6.2%	7.7%	-5.4%	-12.8%
RP3/16-20Y	3.2%	-1.4%	3.8%	-0.6%	-0.6%	0.3%	-1.5%	1.0%	1.6%	-1.2%	0.2%	-2.5%	-3.5%	-2.4%	2.2%	9.2%	-4.0%	14.4%	-4.4%	9.0%	-8.7%	0.4%	9.1%	6.7%	8.2%	-5.7%	-13.5%
RP3/20-25Y+	3.2%	-1.3%	3.9%	-0.7%	-0.4%	0.2%	-1.3%	1.1%	1.9%	-1.2%	0.1%	-2.3%	-3.5%	-1.8%	2.9%	9.7%	-3.9%	14.8%	-3.9%	8.8%	-9.1%	1.0%	10.5%	6.7%	8.5%	-5.7%	-14.2%
RP4/3-10Y	3.4%	-1.4%	4.0%	-0.6%	-0.7%	0.4%	-1.6%	1.0%	1.8%	-1.4%	0.2%	-2.6%	-3.8%	-2.6%	2.3%	12.5%	-4.9%	14.0%	-7.1%	11.5%	-8.9%	0.3%	6.7%	7.0%	8.8%	-6.0%	-13.8%
RP4/11-15Y	3.8%	-1.5%	4.2%	-0.7%	-0.8%	0.4%	-1.6%	1.2%	2.0%	-1.6%	0.1%	-2.9%	-4.3%	-2.8%	2.3%	13.5%	-4.9%	15.2%	-7.9%	12.6%	-10.0%	0.0%	7.0%	7.7%	9.6%	-6.5%	-15.0%
RP4/16-20Y	4.0%	-1.6%	4.3%	-1.0%	-0.7%	0.1%	-1.5%	1.3%	2.3%	-1.8%	0.1%	-2.8%	-4.4%	-2.4%	2.5%	12.6%	-4.6%	15.2%	-6.8%	12.6%	-10.2%	0.1%	8.5%	7.9%	9.6%	-6.5%	-15.4%
RP4/20-25Y+	4.0%	-1.5%	4.2%	-1.1%	-0.6%	-0.1%	-1.3%	1.3%	2.5%	-1.7%	0.0%	-2.6%	-4.2%	-1.8%	2.9%	11.9%	-4.5%	15.4%	-6.6%	10.6%	-9.9%	0.5%	7.7%	7.8%	9.6%	-6.6%	-15.4%
RP5/3-10Y	3.8%	-2.2%	4.8%	-0.7%	-0.5%	-0.4%	-0.9%	2.5%	2.2%	-1.7%	-0.5%	-3.3%	-5.4%	-1.8%	2.8%	18.3%	-4.2%	16.1%	-6.7%	16.8%	-10.7%	1.3%	15.3%	8.6%	10.7%	-7.3%	-16.1%
RP5/11-15Y	4.9%	-2.0%	4.9%	-1.2%	-0.8%	-0.3%	-1.4%	1.9%	2.8%	-2.3%	-0.2%	-3.3%	-5.7%	-2.7%	2.5%	15.2%	-3.7%	15.2%	-7.7%	16.5%	-11.8%	-0.2%	10.3%	9.5%	11.0%	-7.7%	-17.4%
RP5/16-20Y	4.9%	-2.0%	4.9%	-1.2%	-0.9%	-0.2%	-1.5%	1.8%	2.8%	-2.3%	-0.1%	-3.4%	-5.7%	-2.8%	2.5%	14.7%	-4.0%	14.8%	-7.8%	16.0%	-11.7%	-0.3%	9.1%	9.6%	10.9%	-7.8%	-17.4%
RP5/20-25Y+	5.1%	-2.0%	4.8%	-1.4%	-1.0%	-0.2%	-1.5%	1.7%	2.9%	-2.4%	0.0%	-3.3%	-5.7%	-2.8%	2.3%	13.6%	-4.6%	15.1%	-8.3%	14.7%	-11.6%	-0.7%	6.6%	9.7%	11.0%	-8.0%	-17.4%

Source: Copia Capital Management

Notes: Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.

Select Retirement Income

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (28 Feb 23)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Risk Profile 1	#N/A	#N/A	#N/A	#N/A	0.3%	0.7%	-0.5%	0.6%	0.9%	-0.3%	-0.4%	-1.2%	-1.9%	-0.9%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.1%	#N/A	#N/A	#N/A	#N/A
Risk Profile 2	#N/A	#N/A	#N/A	#N/A	0.2%	0.8%	-0.8%	1.0%	1.1%	-0.8%	-0.5%	-1.4%	-2.7%	-1.4%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.5%	#N/A	#N/A	#N/A	#N/A
Risk Profile 3	#N/A	#N/A	#N/A	#N/A	-0.1%	1.0%	-1.0%	1.2%	1.4%	-1.1%	-0.4%	-1.7%	-3.1%	-1.4%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.6%	#N/A	#N/A	#N/A	#N/A
Risk Profile 4	#N/A	#N/A	#N/A	#N/A	-0.6%	0.8%	-0.7%	1.7%	1.8%	-1.2%	0.0%	-2.1%	-3.3%	-0.6%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.4%	#N/A	#N/A	#N/A	#N/A
Risk Profile 5	#N/A	#N/A	#N/A	#N/A	-0.7%	0.6%	-0.7%	1.7%	2.1%	-1.5%	0.2%	-2.7%	-4.0%	-1.0%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-1.1%	#N/A	#N/A	#N/A	#N/A

Source: Copia Capital Management

Select Retirement Income Plus

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (28 Feb 23)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
SLI Risk Profile 1	#N/A	#N/A	#N/A	#N/A	-0.1%	0.8%	-0.5%	0.8%	1.1%	-0.4%	-0.3%	-1.3%	-1.9%	-0.6%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0.1%	#N/A	#N/A	#N/A	#N/A
SLI Risk Profile 2	#N/A	#N/A	#N/A	#N/A	-0.1%	0.8%	-0.9%	1.3%	1.3%	-0.9%	-0.4%	-1.5%	-2.8%	-1.2%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.4%	#N/A	#N/A	#N/A	#N/A
SLI Risk Profile 3	#N/A	#N/A	#N/A	#N/A	-0.3%	1.0%	-1.0%	1.4%	1.6%	-1.2%	-0.3%	-1.8%	-3.3%	-1.4%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.6%	#N/A	#N/A	#N/A	#N/A
SLI Risk Profile 4	#N/A	#N/A	#N/A	#N/A	-0.7%	0.8%	-0.8%	1.7%	1.9%	-1.3%	0.0%	-2.2%	-3.5%	-0.8%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-0.6%	#N/A	#N/A	#N/A	#N/A
SLI Risk Profile 5	#N/A	#N/A	#N/A	#N/A	-0.7%	0.6%	-0.7%	1.7%	2.1%	-1.5%	0.2%	-2.7%	-4.0%	-1.0%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	-1.1%	#N/A	#N/A	#N/A	#N/A

Source: Copia Capital Management



Select Preservation

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (02 Nov 20)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Copia Wealth Preservation	2.1%	-0.2%	2.0%	-1.2%	0.8%	0.3%	-0.8%	-1.1%	1.2%	-0.3%	-0.4%	0.2%	-0.5%	-1.2%	2.6%	4.7%	#N/A	#N/A	#N/A	4.1%	-3.5%	0.6%	4.7%	3.9%	4.4%	-4.1%	-7.1%

Source: Copia Capital Management

Select Short Duration Bond Portfolio

	%mm Performance												Return Characteristics										Risk Characteristics				
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	3M	6M	12M	36M	2018	2019	2020	2021	2022	YTD	Since Inception (31 Oct 22)	Annualised Volatility 1Y	Annualised Volatility 3Y	Maximum Return Drawdown* 1Y	Maximum Return Drawdown* 3Y
Copia Short Duration Bond Portfolio	1.6%	0.1%	1.9%	-0.6%	0.2%	0.4%	-0.5%	-0.6%	1.5%	0.4%	0.6%	0.4%	1.4%	1.7%	5.5%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3.8%	5.5%	2.9%	#N/A	-2.0%	#N/A

Source: Copia Capital Management

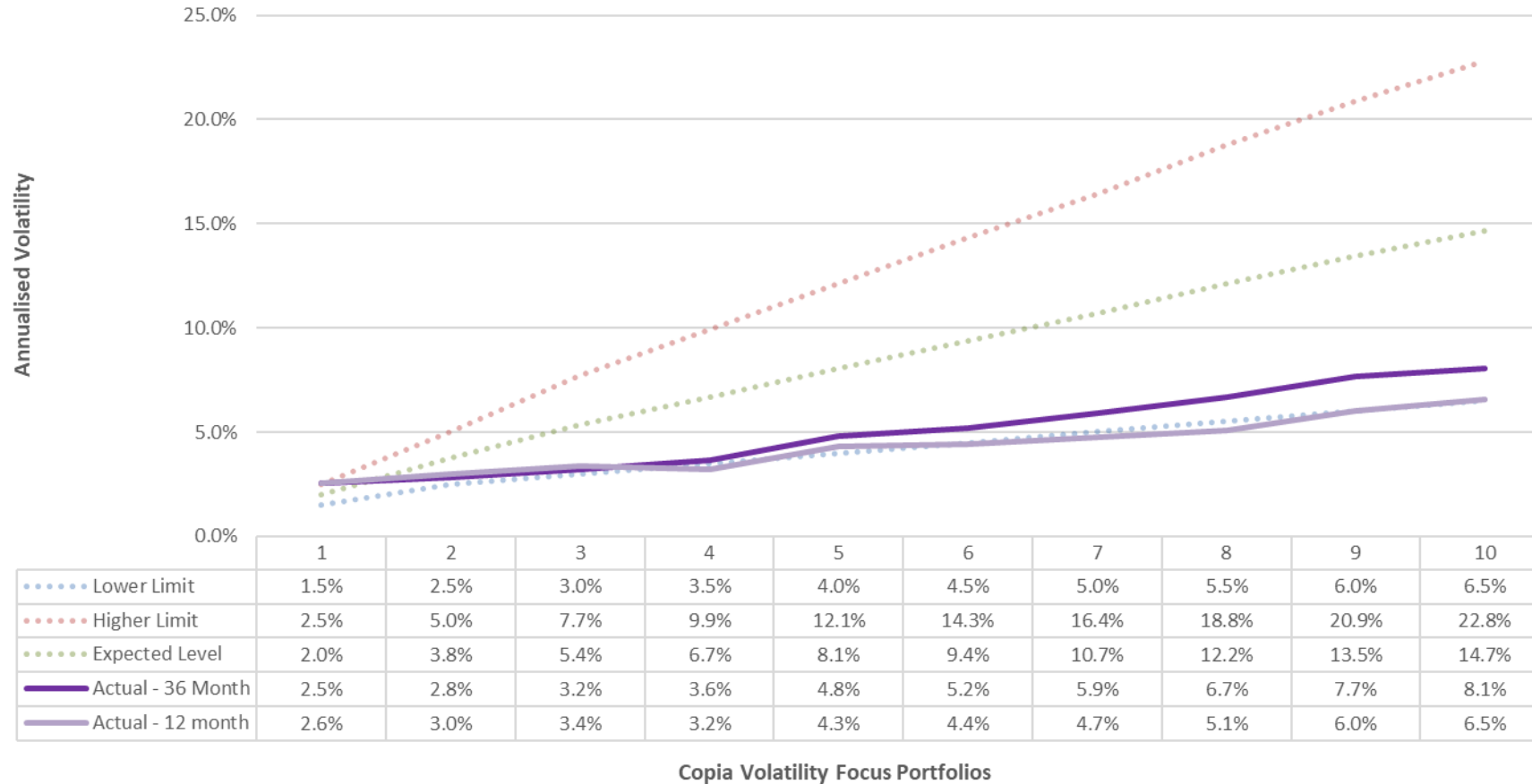
Notes: Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.



Market Performance
Risk Barometer
Portfolio Realignments
Portfolio Performance
Outcome Charts



Outcome analysis as of 31 October 2023

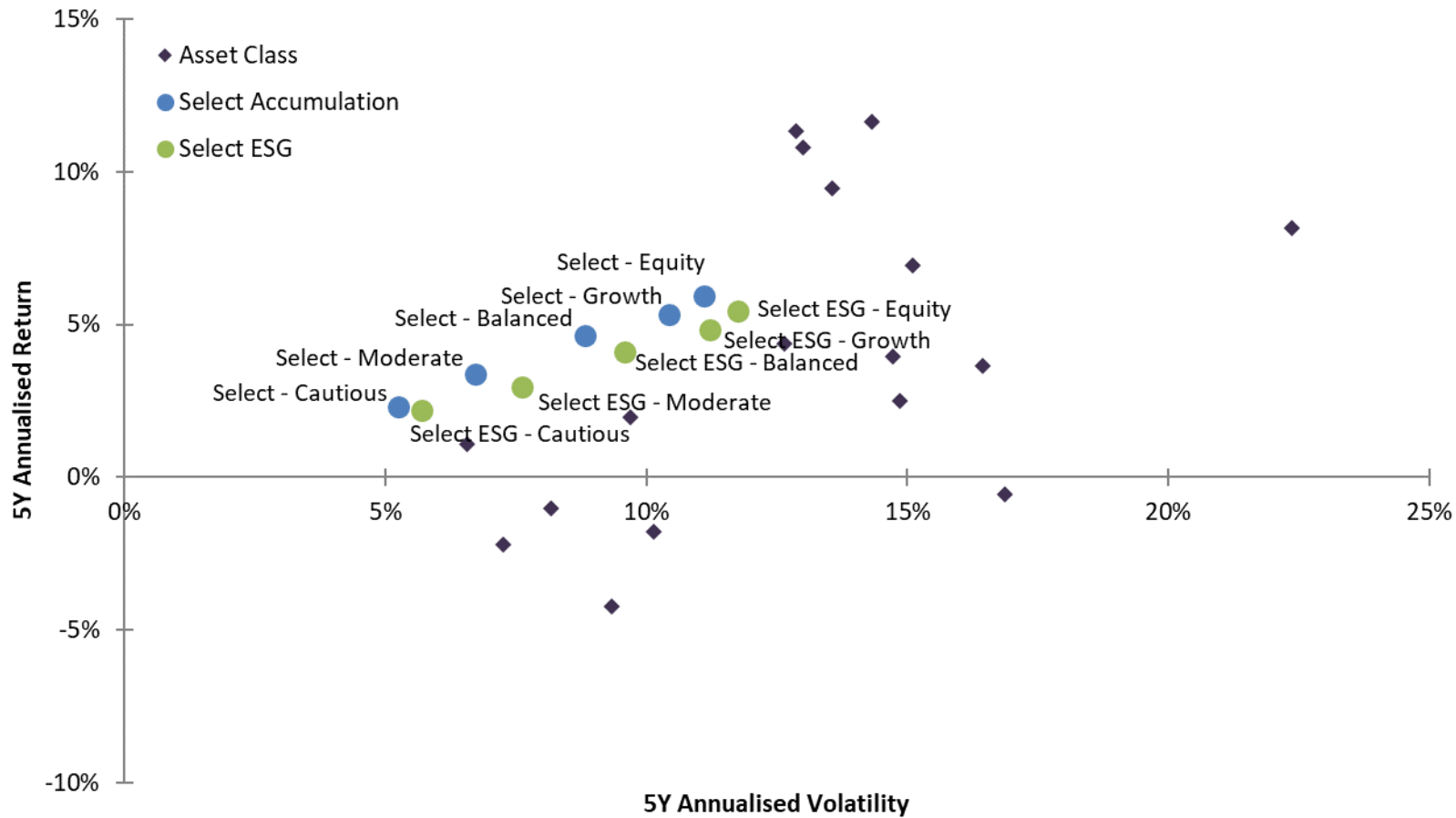


Our 'Select Volatility' portfolio was previously known as 'Volatility Focus'.

*For illustration only.
Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.*



Outcome (risk-return) analysis as of 31 October 2023

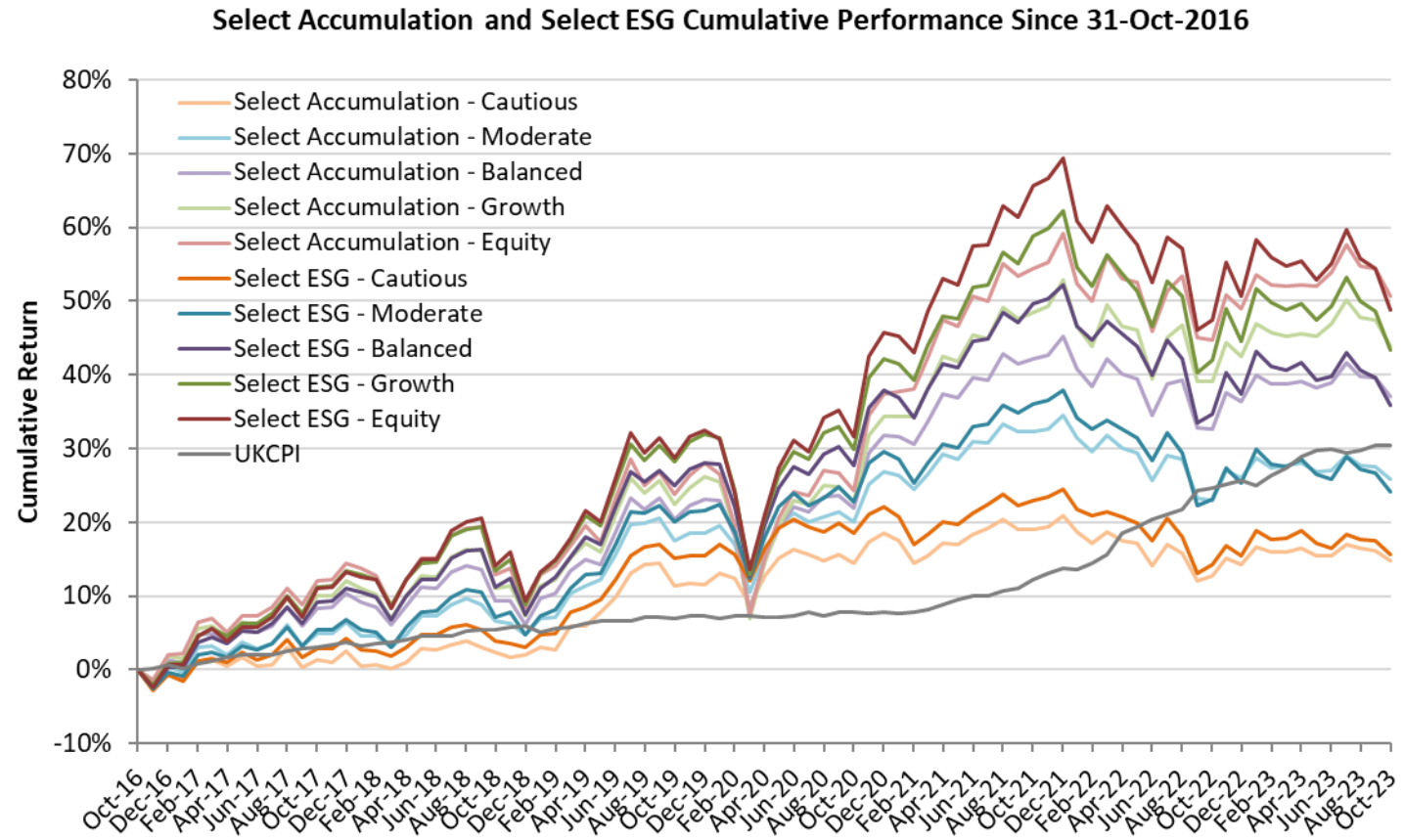


Our 'Select Accumulation' portfolio was previously known as 'Select'.

*For illustration only.
Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.
The annualised risk and return figures are calculated based on a historic 5-year period as of 31-Oct-2023.
The performance figures for Select ESG portfolios include simulated data before the inception date of the Select ESG portfolios (31-Mar-2020).*



Outcome (cumulative return) analysis as of 31 October 2023



Our 'Select Accumulation' portfolio was previously known as 'Select'.

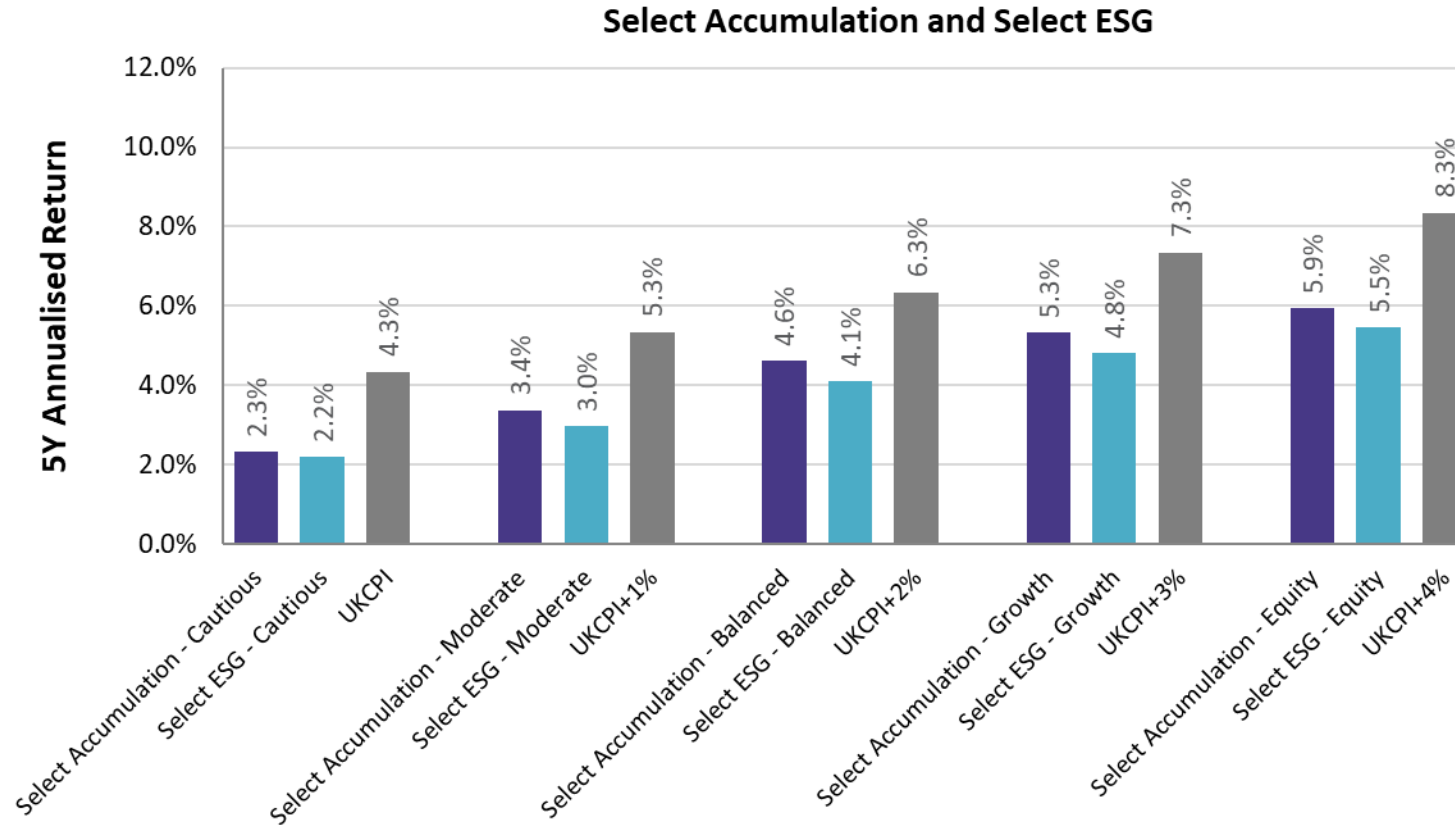
For illustration only.

Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates.

Available CPI data has been used as a comparator for real returns. CPI data for Oct 2023 is currently unavailable and not shown. Past performance is not indicative of future performance.

The cumulative returns are calculated based on the period from the inception date of the Select Accumulation portfolios (31-Oct-2016). The performance figures for Select ESG portfolios include simulated data before the inception date of the Select ESG portfolios (31-Mar-2020).

Outcome (annualised return) analysis as of 31 October 2023



Our 'Select Accumulation' portfolio was previously known as 'Select'.

For illustration only.

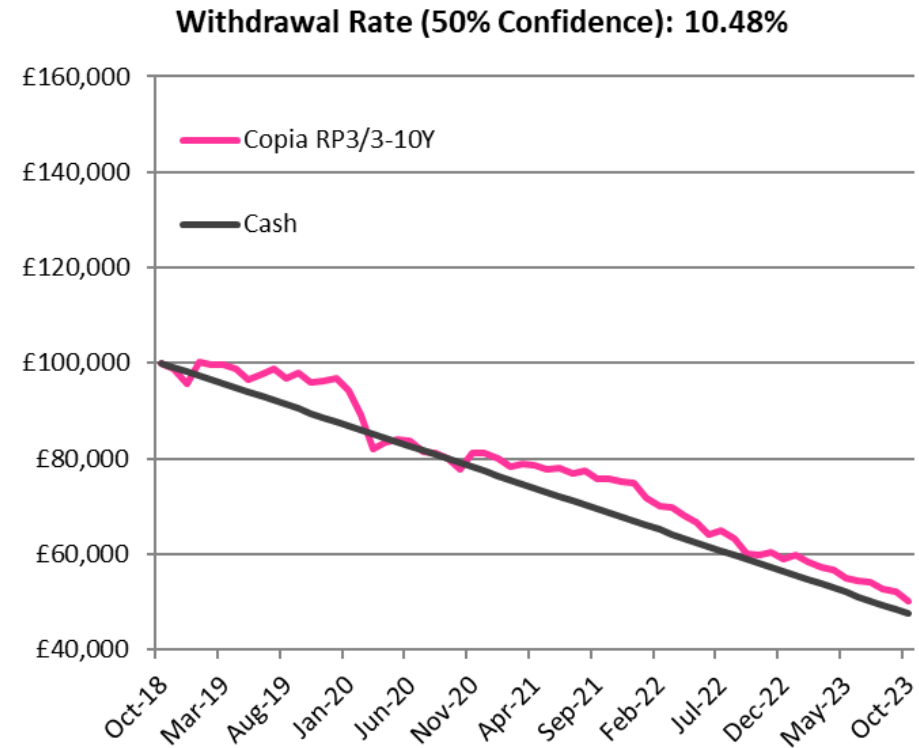
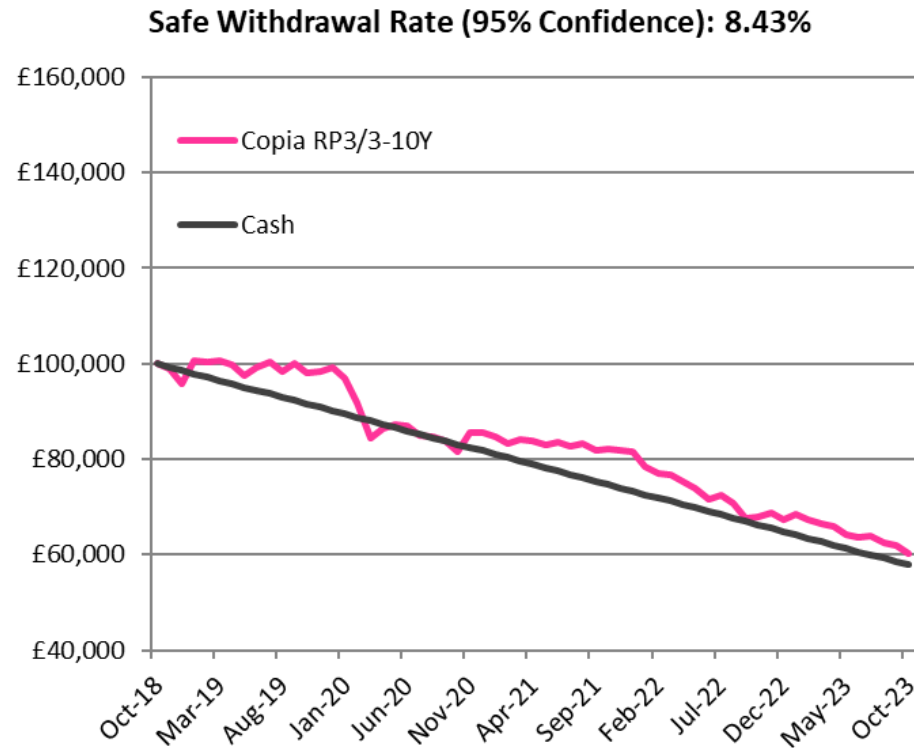
Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates.

Available CPI data has been used as a comparator for real returns. CPI data for Oct 2023 is currently unavailable and not shown. Past performance is not indicative of future performance.

The annualised returns are calculated based on a historic 5-year period as of 31-Oct-2023.

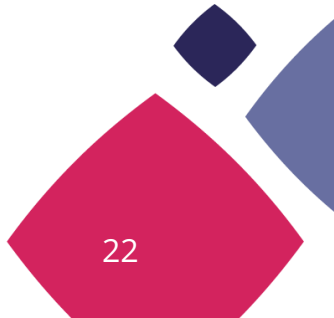
The performance figures for Select ESG portfolios include simulated data before the inception date of the Select ESG portfolios (31-Mar-2020).

Outcome analysis as of 31 October 2023

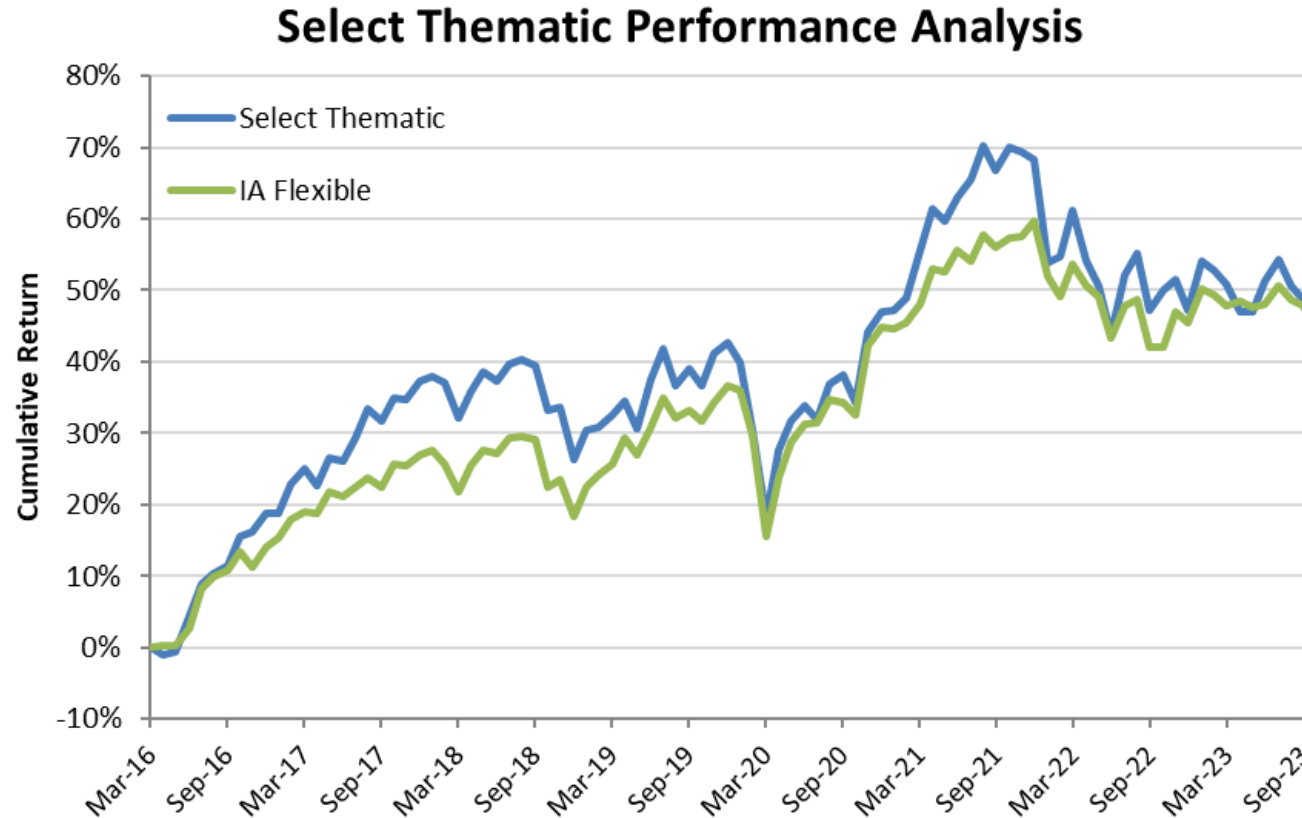


Our 'Select Decumulation' portfolio was previously known as 'Retirement Income'.

*For illustration only.
Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.
The returns are calculated based on a historic 5-year period as of 31-Oct-2023.*



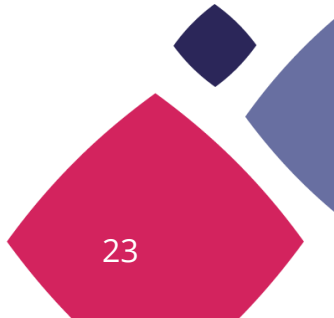
Outcome analysis as of 31 October 2023



Our 'Select Thematic' portfolio was previously known as 'Copia Enhanced Equity'.

For illustration only.

Returns based on Total return, assuming income is re-invested immediately and rebalanced on due dates. Past performance is not indicative of future performance.





Understanding the risks

- Investment model portfolios may not be suitable for everyone
- The value of funds can increase and decrease, past performance and historical data cannot guarantee future success
 - Investors may get back less than they originally invested

Disclaimer

Some figures and numbers in this document are based on Copia's simulation data. Figures relating to simulated performance is not a reliable indicator of the future. Models are prepared in accordance with tolerance to risk and not client circumstances and information is from given sources and taken to be reliable and accurate, which Copia cannot warrant for accuracy or completeness.

This document is intended to provide information for professional Advisers only and is not intended for onward transmission to clients. Copia does not provide advice – Advisers must seek their own compliance/legal advice before relying on the information provided in this document.

Copia is a trading name of Novia Financial plc. Novia Financial plc is a limited company registered in England & Wales. Register Number: 06467886. Registered office: Cambridge House, Henry Street, Bath, Somerset, BA1 1JS. Novia Financial plc. is authorised and regulated by the Financial Conduct Authority. Register Number: 481600