London Market Monitor – 31 December 2024

Data sources: Bloomberg; Barclays; EIOPA; PRA; ONS; Milliman FRM

# **Market Price Monitor**

# Local Equity Markets

- Global equity markets had a mixed performance in December, as the US Federal Reserve projections showed fewer rate cuts in 2025.
- The FTSE 100 ended the month down 1.3%, having gained 9.7% over 2024.
- The Euro Stoxx 50 was up 1.9% in December.

# **Global Equity Markets**

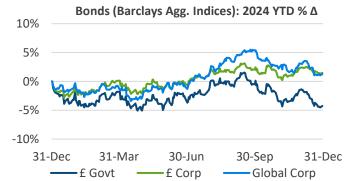
- Despite losing 2.4% in December, the S&P 500 outperformed in 2024, returning 25.0%.
- The Topix was up 4.0%.
- The MSCI Emerging Markets index ended the month relatively flat.

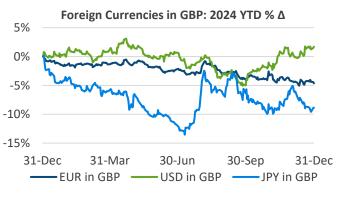
# **Bond/FX Markets**

- Both the British government and corporate bond indices fell in December. The former was down 2.5% and the latter fell by 0.6%.
- The British Pound had a mixed performance in December, strengthening against the Euro and the Japanese Yen by 0.5% and 3.2%, respectively. However, the British Pound weakened against the US Dollar by 1.7%.









Total Returns as of December 31, 2024												
	FTSE 100	FTSE All	Euro	US (S&P)	Japan	Em/Mkts	£ Govt	£ Corp	Global	EUR in	USD in	JPY in
	1 ISL 100	Share	Stoxx 50	US (SQF)	(Topix)	(MSCI)	L GOVI	2.001	Corp	GBP	GBP	GBP
1 Month	-1.3%	-1.2%	1.9%	-2.4%	4.0%	-0.1%	-2.5%	-0.6%	-2.0%	-0.5%	1.7%	-3.2%
3 Month	-0.2%	-0.4%	-1.7%	2.4%	5.4%	-7.8%	-3.5%	-0.3%	-4.0%	-0.6%	7.0%	-2.6%
1 Year	9.7%	9.5%	11.9%	25.0%	20.5%	8.1%	-4.0%	1.7%	1.1%	-4.6%	1.7%	-8.9%
YTD	9.7%	9.5%	11.9%	25.0%	20.5%	8.1%	-4.0%	1.7%	1.1%	-4.6%	1.7%	-8.9%



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#### Milliman Financial Risk Management

London Market Monitor - 31 December 2024

Data sources: Bloomberg; Barclays; EIOPA; PRA; ONS; Milliman FRM

## **Insurance Monitor**

#### Solvency II Risk Free Rates

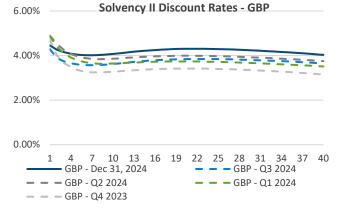
- GBP risk-free rates increased at all terms in December.
- The 10 and 30-year GBP risk-free rates rose by 39 and 36 basis points, respectively.
- EUR risk-free rates rose at all terms in December, except for the 1-year rate which fell by 1 basis point.
- The 10 and 20-year EUR risk-free rates increased by 21 and 20 basis points, respectively.
- The EUR CRA was unchanged and remains floored at 10 basis points.

The Solvency II risk-free discount rates are calculated independently based on applying the Smith-Wilson Extrapolation to swap rates sourced from Bloomberg and applying the Credit Risk Adjustment as defined in the Technical Specs. For the official published curves please refer to EIOPA and PRA websites.

## Solvency II Fundamental Spreads

There were no material changes since the start of the year.

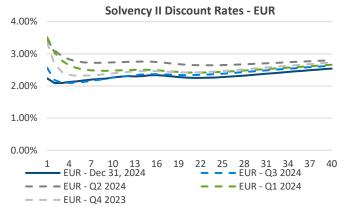
EIOPA fundamental spreads show the credit spread corresponding to the risk of default or downgrading of an asset. This is shown here across financial and nonfinancial assets, credit guality steps 0-3 and durations of 1-30 years. The data is provided by EIOPA. Fundamental spread = maximum (probability of default + cost of downgrade; 35% of long-term average spread). For fundamental spreads on other tenors please refer to the EIOPA website



**GBP Financial Fundamental Spreads** 



Change in GBP Discount Rates (bps)									
	1Y	Y5	Y10	Y20	Y30				
Since Q3 2024	17	44	45	46	43				
Since Q2 2024	-44	8	21	31	31				
Since Q1 2024	-42	25	43	56	57				
Since Q4 2023	-27	69	80	89	89				



**GBP Non-Financial Fundamental Spreads** 



Change in EUR Discount Rates (bps)									
	1Y	Y5	Y10	Y20	Y30	CRA			
Since Q3 2024	-33	4	1	-8	-11	0			
Since Q2 2024	-120	-63	-47	-40	-33	0			
Since Q1 2024	-128	-42	-21	-16	-15	0			
Since Q4 2023	-112	-18	-12	-16	-19	0			



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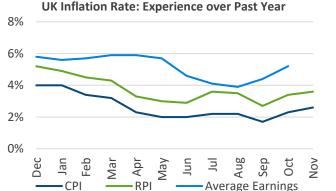
## Milliman Financial Risk Management

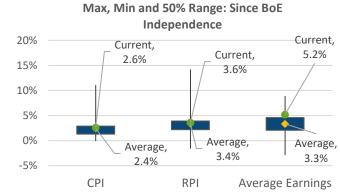
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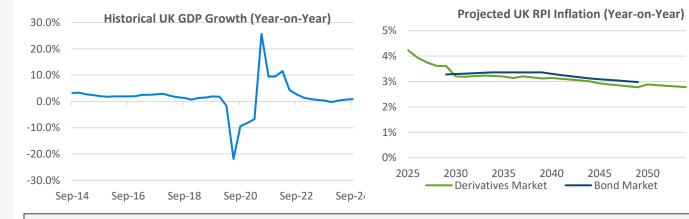
Data sources: Bloomberg; Barclays; EIOPA; PRA; ONS; Milliman FRM

# **UK Inflation Monitor**

- UK's CPI rose by 30 basis points to 2.6% in November.
- UK's RPI measure increased by 20 basis points to 3.6% in November.
- According to the ONS: "The largest upward contribution came from transport."
- Average earnings rose by 80 basis points to 5.2% in October, after the previous month's figure was revised higher by 10 basis points.
- The projected RPI curve was relatively unchanged from the previous month.







Historical year-on-year inflation rate is assessed by the % change on:

- Consumer Price Index (CPI) measuring the monthly price of a basket of consumer goods and services
- Retail Price Index (RPI) similar to CPI, but the main difference due the addition of mortgage payments, council tax and other housing costs
- Average Earnings measuring the average total weekly employee remuneration over the previous 3 months.

Projection year-on-year inflation rate is the forward rate calculated from market data:

- Derivatives Market View constructed from zero coupon inflation par swap rates against the RPI index at various tenors
- Bond Market View constructed from the difference between the nominal rates implied by the conventional gilts and the real rates implied by the index-linked (RPI) gilts.



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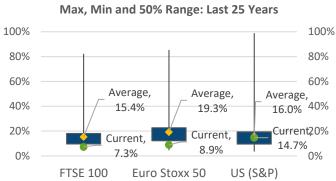
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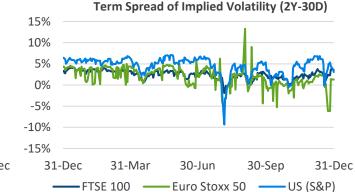
# Volatility and Hedging Cost Monitor

- Realised volatilities of the FTSE 100 and the Euro Stoxx 50 fell and in contrast, the realised volatility of the S&P 500 rose in December.
- The FTSE 100 ended the month with a realised volatility of 7.3%. The same measure stood at 8.9% and 14.7% on the Euro Stoxx 50 and the S&P 500, respectively.
- Volatility risk premiums on major indices increased. The FTSE 100 had a volatility risk premium of 0.5% at month-end. The volatility risk premium on the Euro Stoxx 50 was 1.8%, and 2.0% on the S&P 500.
- The change in spread between implied volatility of 2-year and 30-day at-the-money options was mixed but remained positive for the major indices at month-end.









Actual realised equity volatility is measured by the weighted standard deviation of 1 month daily index change. The Exponentially Weighted Moving Average (EWMA) methodology places more importance to the recent returns in the calculation of the volatility.

**Volatility Risk Premium** is estimated as the difference between 30-day implied volatility and projected realised volatility. This reflects the additional cost of hedging from purchasing a basket of options, in comparison to managing a dynamic delta hedge with futures (ignoring rolling transaction costs).

Volatility Term Premium is calculated as the difference between the implied volatility of an at-the-money 2-year maturity option and the implied volatility of an at-the-money 30-day option. This gives an indication of market demand for protection over the longer term, relative to demand for protection in the shorter-term. Bloomberg as the source of the data interpolates between listed options to provide implied volatility data for these fixed terms.



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