

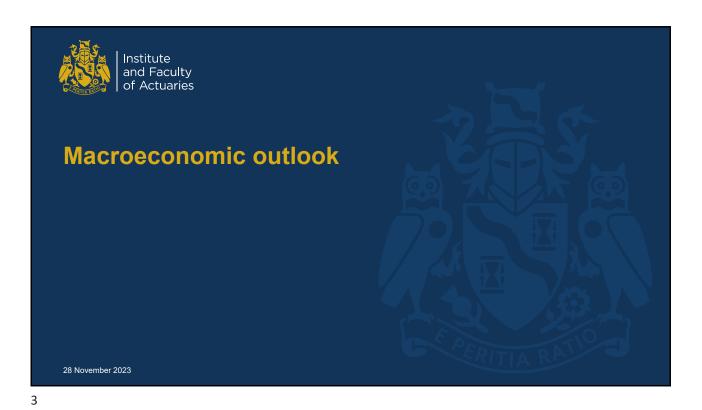
Agenda

- · Macroeconomic outlook
- · Impact of macroeconomic environment on insurance industry performance
- · Role of alternative scenarios in risk management

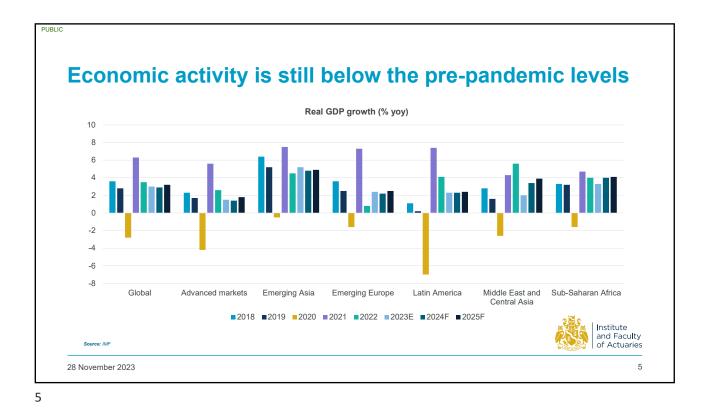


28 November 2023

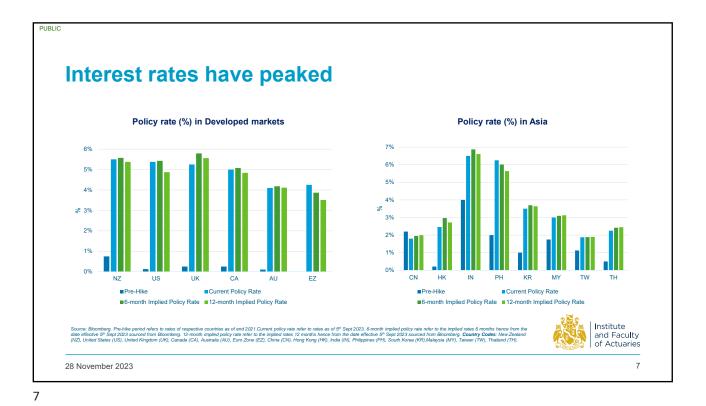
2

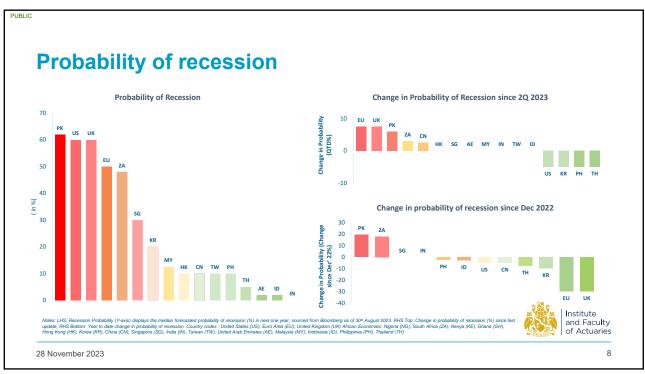


The global macro environment Societal environment Macroeconomic environment Growing middle class, urbanization, widening talent High inflation and low growth environment gaps, and increasing life expectancy • Low real growth rates • Growing middle class in developing markets • High interest rate • Mass migration & urbanization Geopolitical tensions Workforce transition through automation & talent gaps Increasing protectionism Increasing life expectancy **Business environment** Geopolitical environment Rising geopolitical tensions Increasing competition, decreasing company lifetime and tech companies as new winners Russia-Ukraine war • Cross-industry disruption & increasing competition Middle East crisis • Strengthening of tech superstar companies, e.g., East-West geopolitical tensions via ecosystems Supply chain disruption • Decreasing average company lifetime aculty uaries



PUBLIC Inflation remains above the historical average and central bank's target in many countries Key metrics **CPI** inflation Target Average US 4.2% 25 2.0% 20 9.0% 15.8% KE 6.7% 6.3% 15 GH 18.2% 43.1% 8.0% No Target 10 3.4% CN 3.0% -0.3% 5 No Target IN TW 5.4% 1.4% No Target 0 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023E2024F2025F No Target 2.0% -Global ---Advanced markets ---Emerging Asia 4.2% 3.0% —Emerging Europe -Latin America --- Middle East and Central Asia 1.8% Sub-Saharan Africa Institute and Faculty of Actuaries Source: IMF: Bloomhern 28 November 2023







Poll #1

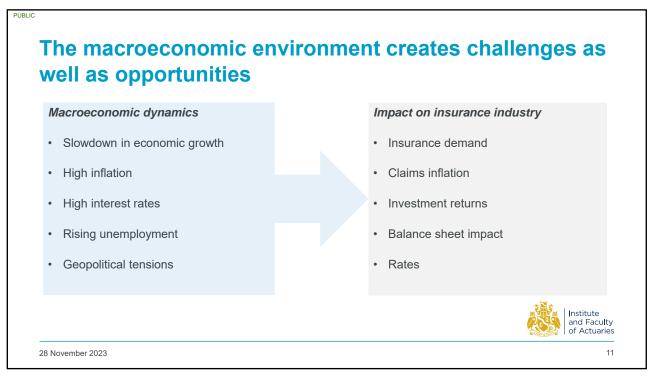
In general, high inflation and high interest rate environment negatively impact life insurer's profitability?

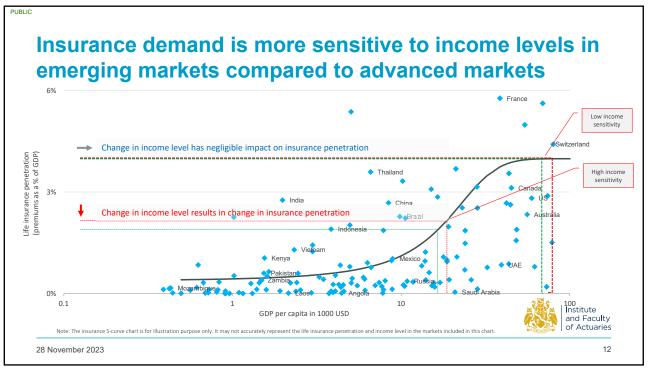
- 1) True
- 2) False



28 November 2023

10





High inflation negatively impacts non-life insurance profitability

Line of business	Impact	Comments	
Property	Negative	Increase in price of materials as well as higher wages	
Motor, physical damage	Negative	Increase in prices of spare parts due to supply chain imbalances, and wage growth	
Motor, bodily injury	Negative	Wage growth and medical cost inflation	
Liability	Negative	Wage growth, medical, and social inflation	
Health	Negative	Medical cost inflation	
Mortality	Neutral	Benefits are defined at the time of underwriting	



28 November 2023

13

13

PUBLIC

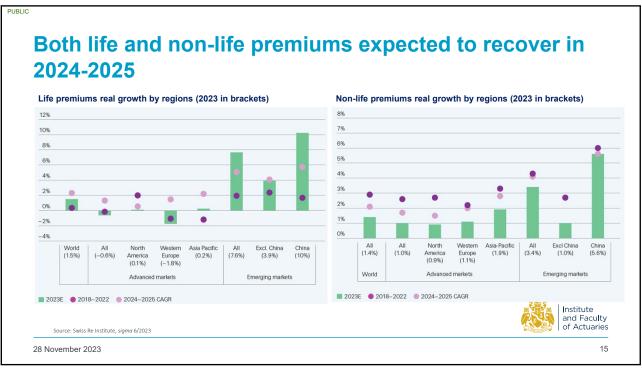
High interest rates are positive for life insurance industry

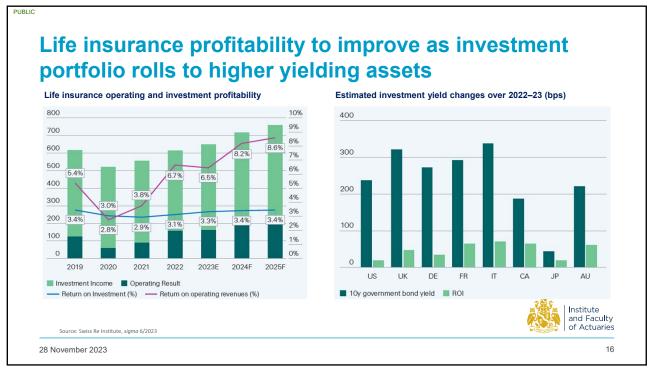
Line of business (Life)	Indicator	Impact	Comments
Protection products	Demand	Neutral to positive	Increase in demand of life insurance products with guarantees
	Mortality claims	Neutral	Both premiums and benefits are defined at the time of inception
Life savings, guarantees	Demand	Negative/Positive	Higher lapse rate (in-force); Increased demand for products with guarantees
	Profitability	Positive	Higher investment return; Lower reserves for guarantees
Life savings, unit linked	Demand	Negative	Higher lapse rate as demand shifts toward products with guarantees
	Profitability	Neutral	Investment risk is borne by the policyholders
Annuity	Demand	Positive	Increased attractiveness of annuity products
	Profitability	Positive	Higher investment return; Lower reserves for guarantees

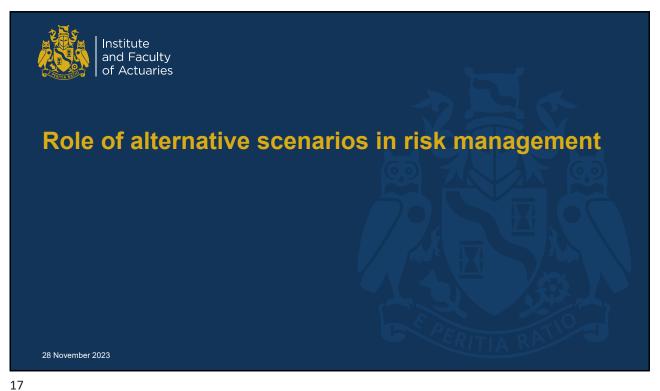


28 November 2023

14







Poll #2

What's the main purpose of scenario analysis in financial services industry?

- 1) Identify new business opportunities
- 2) Assess the strength and resilience of the financial services company in an adverse environment
- 3) Avoid potential losses and maximize gains
- 4) All the above



28 November 2023

