4/16/2014



Agenda

- What is it
- How is it measured
- The benchmarks
- Its communication









How is it measured

- Weights used can vary
 - By amount of benefits or net amount at risk; by number of policies or covered lives
 - Depends on purpose and on how results are applied
 - Don't fully count period for competing risks
- Mortality risk
 - Is usually thought to be better related by amount, as the financial result is more often of relevance
- Although raw mortality rates can be interesting
 - Comparison to a benchmark is far more revealing and useful



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Dashboard

- A brief synopsis of performance
- Usually only one or two metrics
 - Might have a separate mortality dashboard if significant financial effects and uncertainties
- Combination of trend and A-to-E charts
- Drill-down capabilities
- May differ in detail by user
- Goal similar metrics across functional areas



External annual reports

- Most life insurers provide limited quantitative information regarding mortality performance
 - Mostly qualitative and general in nature
 - A few examples of quantitative disclosure include
 - The effect on DAC of a difference of 1% to demonstrate sensitivity of reported results
 - Pandemic risk
 - Effect on income and equity of a 10% increase or decrease in mortality
- Could include more, such as
 - Actual-to-Expected performance and source of earnings, including effect on profits due to parameter risk, trend risk and pandemic risk



- Sensitivity to alternative values of each of these
- New IASB Insurance Contracts accounting standard may come with more expanded disclosure requirements
 - For example, sensitivity to insurance risks on income and equity; concentration risks

Uncertainty

- Causes of deviations from expectations
 - 1. Inappropriate expectations
 - 2. Part of a longer-term trend
 - 3. Change in mix of risk characteristics of exposures subject to mortality or longevity risks as a result of changes in such factors as underwriting, distribution, or lapses
 - Identifiable non-recurring causes, including a change in mix of claims, such as deaths of insureds with large benefits
 - Random fluctuations.



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Uncertainty (2)

- Sources
 - Trend
 - Pandemic (one-shot)
 - Level (especially due to limited relevant data)
- Analysis
 - Scenario and sensitivity testing
 - Recognize asymmetric risks
- Explicit or implicit margins
- IASB's Insurance Contracts



 May result in enhanced disclosures, e.g., actual-to-expected, sensitivity analysis, and concentration risks

Summary

- Communication of mortality results can be enhanced
- Dashboards, KPIs and charts
- Risks include level (if limited inputs), trend, pandemic
- Insurance Contracts will require enhanced disclosures



Improved understanding of the financial effects, uncertainty, and causes of deviations from expectations can lead to enhanced decision-making

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