





Industry case reserving practices contribute to reserve inadequacies

- Reserving for payments for only a fixed number of years (e.g., 5 years) rather than to ultimate
- Reserving at a "settlement" value
- Not accounting for future inflation / trend
- Not establishing a case reserve for expenses
- Failure to consider intermittent medical costs, such as prosthetic replacements or future surgeries, or high end-of-life care costs
- Using life expectancy rather than life contingency assumptions

As do some actuarial assumptions

- · Lack of sufficient historical loss development or dismissal of old patterns
- Underestimates of future medical costs on life pension cases and impact of inflation

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Sample claim with various medical inflation assumptions		
For our 50 year old male with initial annu estimates of total projected medical paym	al payments of \$ ents are:	10,000, mortality-based
Annual Medical Inflation	Total Projected	Payments
	4%	\$650,000
	6%	\$1,005,000









RP 2000 tables

- The RP 2000 mortality table is the most recent comprehensive mortality study performed by the SOA with sub-populations for:
 - Male vs. Female
 - Healthy vs. Disabled
 - Blue Collar vs. White Collar
- Commonly used in private pension plan valuation.
- Based on data
 - From around 100 uninsured pension plans
 - 11 million life years of experience between 1990 and 1994
 - With improvements projected to 2000
- Pensioner life expectancy may be favorable compared to the general population.

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• Can be scaled forward for improvements in life expectancy.

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Different tables and the impact of mortality improvement

52.6 42.9 33.3
52.6 42.9 33.3
42.9 33.3
33.3
23.9
15.4
54.3
44.4
34.7
25.3
17.0







