





Page 1 of 7







Page 2 of 7











Notation Example					
Age-to-Age Factors			Notation		
AY	1	2	AY	1	2
1981	1.650	1.319	1981	F(1981,1)	F(1981,2)
1982	40.425		1982	F(1982,1)	
Mean	21.037	1.319	Mean	<i>F</i> (1)	F(2)
Milliman American Page 1.10					



Ranges vs. Distributions A Range is not the same as a Distribution A Range of Reasonable Estimates is a range of estimates that could be produced by appropriate actuarial methods or alternative sets of assumptions that the actuary judges to be reasonable. A Distribution is a statistical function that attempts to quantify probabilities of all possible outcomes.

Page I.11

Milliman <u>Januar</u>



- A **Range** is generally considered to be <u>either</u> a subset of "*central estimates*" <u>or</u> a subset of the "*possible outcomes*".
- For a "central estimate" the incremental values will essentially have the random movements "averaged" or "smoothed" out.
- A "*possible outcome*" will generally include random movements in the incremental values (e.g., calendar period payments within each accident period).

Milliman Sege 1.12



























Page 6 of 7







Page 7 of 7