

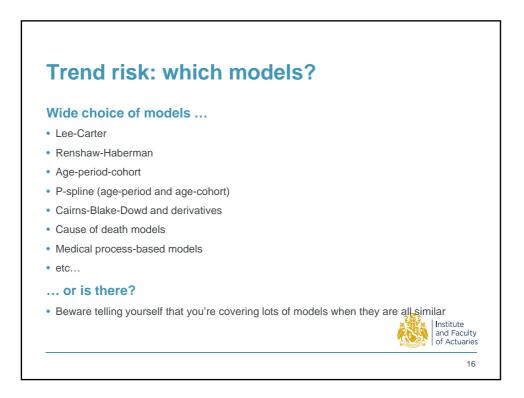
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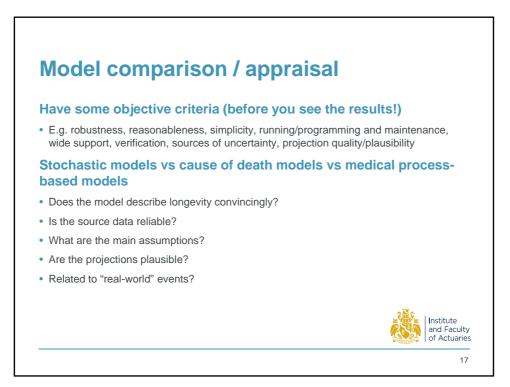


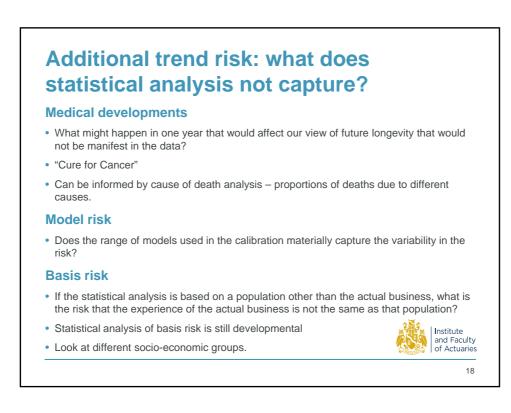
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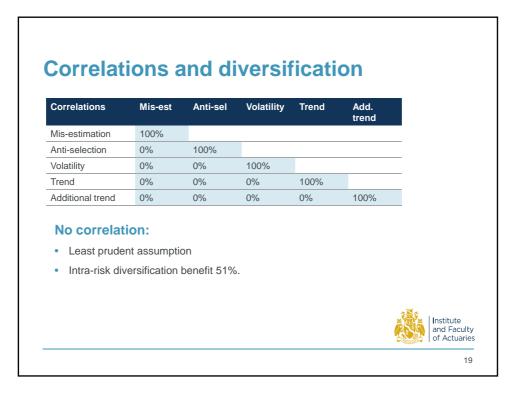
How might my best estimate of future improvements change under 1-in-200 year mortality? How might unfavourable experience emerge as the business runs off? Closer to ICA / S2 methodology Longevity experience emerges slowly More computationally demanding Which percentile?	One-year Var	Run-off
Slowly More software available More computationally demanding	future improvements change under	How might unfavourable experience emerge as the business runs off?
Slowly More software available More computationally demanding		
More computationally demanding	Closer to ICA / S2 methodology	0,1,0,0
		More software available
Which percentile?	More computationally demanding	
		Which percentile?



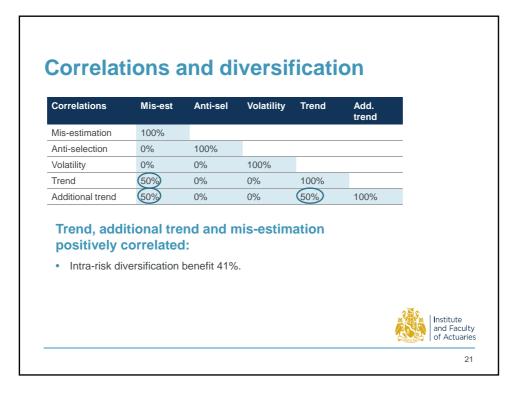
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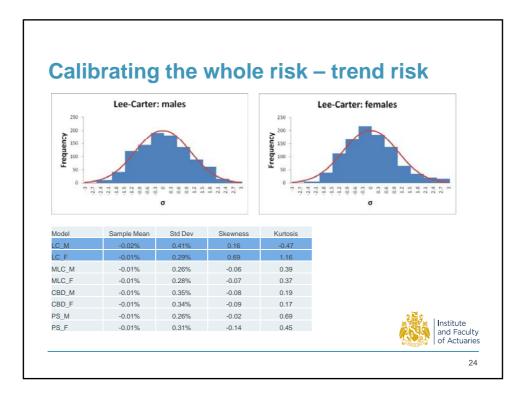


Correlations	Mis-est	Anti-sel	Volatility	Trend	Add. trend	
Mis-estimation	100%					
Anti-selection	0%	100%				
Volatility	0%	0%	100%			
Trend	0%	0%	0%	100%		
Additional trend	0%	0%	0%	50%	100%	
Trend and a correlated:	additiona	l trend po	ositively			









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Conclusions

Analysis

- Use own data where it is available, relevant and reliable
- Use techniques appropriate to the nature of the risk, available data and materiality
- Keep an eye on the bigger picture.

Process

- Plan the work, but be flexible
- · Involve people who know the business as well as longevity experts
- Allow plenty of time for review, particularly of assumptions that materially affect the business.

Use

- Make sure the stress is fit for purpose, but ...
- ... don't let your analysis get ahead of your systems.

Communication

- · Keep talking, and listening
- Keep late surprises to a minimum.

