

# Beazley Specialty Lines Pricing support Professional Indemnity Medical Malpractice – Hospital Treaty Large Lawyers / specialists Self insured retentions Excess Large dollar deductibles

<ul> <li>Increased Limit Factors (ILFs)</li> <li>Lack of large claims</li> <li>Selection of appropriate ILF</li> </ul>
<ul> <li>Increased Limit Factors (ILFs)</li> </ul>
<ul><li>Alternative data sources</li><li>Credibility</li></ul>
Lack of data in excess layer

### What is an ILF? Price of \$1m limited policy \$2,000 Price of \$2m limited policy \$3,200 ILF = \$3,200 ÷ \$2,000 = 1.6

### Excess pricing – A Case Study

- A Healthcare Professional Liability insurer
  - 20,000 Occupied Bed Equivalents
  - 15 years of loss history (5000 claims, Max \$8m)
  - Recent actuarial report on Loss & LAE reserves
  - 90 individual healthcare providers insured
  - Single state domicile
- Excess requirement
  - \$20m xs \$10m

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### Excess Pricing -An Approach

- Estimate Basic Limits Price per OBE e.g. \$100k
- Determine appropriate ILF / Loss Distribution
- Estimate Excess Loss Cost

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### Excess Pricing - Basic Limits Costs

- Limited fluctuation
- Stable LDFs
- Responds to frequency more than severity
- Listed in most Healthcare actuarial reports
- Underwriters understand this cost

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### Excess Pricing – Understanding the risk

- Loss history credible
  - 5,000 claims
  - 98 healthcare providers
- BUT
  - 3 healthcare providers are Paediatric hospitals

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### Excess Pricing - Paediatrics

- Paediatrics
  - 8.5% of OBE but only 1.7% of count claims
  - Lower frequency larger severity

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### Excess Pricing – The calculation

		Non Paed	Paed
(a)	Basic Limits Loss Cost	\$8.0m	\$0.9m
(b)	ILF	0.10	1.67
(a) x (b)	Total	\$0.8m	\$1.5m

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### Excess Pricing - End Result

- Ignoring Paediatrics
  - \$0.9m loss cost
- Including Paediatric assumptions
  - \$2.3m loss cost

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### Excess Pricing - Uncertainty

### **Summary**

- Homogenous data required
- Understand the risk
- Get complimentary data

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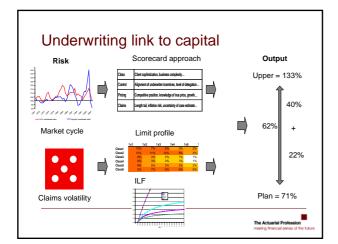
### **Excess Pricing - Conclusion**

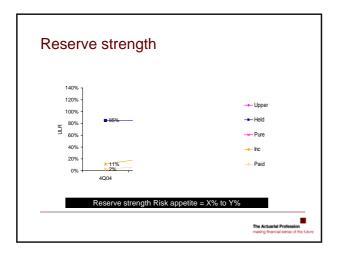
• Actuarial techniques powerful,

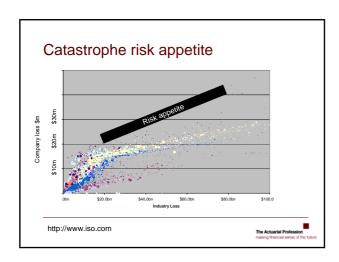
BUT

 One must know where the areas of uncertainty are and how best to sail through them

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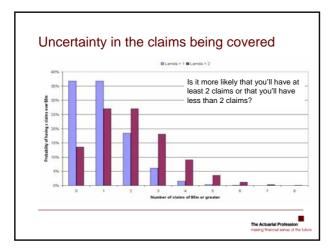




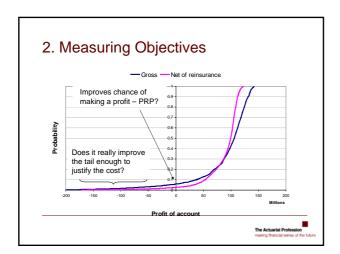
### Where does the uncertainty in reinsurance purchase exist?

- 1. In the claims the reinsurance is being bought to cover
- 2. Possibly in the reasons behind the reinsurance purchase
- 3. Possibly in whose objectives it's being bought to cover Group v Business units
- 4. In the pricing achievable/availability in the reinsurance market

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### 3. Uncertainty in Group v Business Unit Both have objectives to meet but these objectives conflict: 3 courses of action

- 1. Satisfy the Group requirements only
- 2. Satisfy the business unit only
- 3. Set up a framework to satisfy them both

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## 4. Uncertainty in achievable price of reinsurance High Reinsurance Cost No deal Pricing overlap Pricing overlap Pricing overlap Price range insurer will execute the deal at Price range reinsurer will execute the deal at

Summary	
<ul><li>Simple linked processes</li><li>Evolving</li><li></li></ul>	
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