2024 Spring Conference

May 1-3, 2024

Puerto Rico



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Agenda

- Introductions
- Key Issues in Complex Claims
- Management of Data
- Going Beyond the Data



Meet your presenters



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Eleen Kennelly Sorabella EVP & General Counsel Reinsurance Arch Re

Current Climate / Key Issues

- Getting a handle on claimsdata volume
- Damages-policy allocations
- Policies exhaustion excess carrier concerns
- Business interruption claims and complex liability analysis
- Data management and analysis Transparency



Examples of Use

- Application of data analytics and data tools:
 - Managing of insurance claim
 - Damages exposure, both claims management and litigation
 - Internal reporting
 - Requesting authority
 - Setting Reserves
 - Establishing Settlement Appetite
 - Analyze reinsurance coverage Who's POV?



Applications

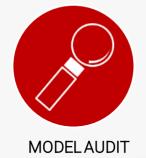
- Product Recall & Liability Cases
- Sexual Abuse and Other Complex Cases
- Wage & Hour Disputes
- Legal Fee Reviews
- Commercial/ Economic Disputes



Forensic Accounting & Analysts















Case Study

- Use of a "forever chemical" in manufacturing
- Resulted in adverse health effects for employees, end users, and surrounding communities
- Estimated that thousands of lawsuits will be filed in MDL.
- Hundreds of millions in both indemnity exposure and defense costs.



Management of Data



Where do I begin with no data?

- Claims Early Phase little to no data options;
 - Examine policies in question
 - Study cases of similar nature
 - Use historical data and other publicly available information
 - Develop extrapolations from minimal data

Managing large data?

- Forensic technology and A.I.
- Streamlining review process use of A.I. and other tools to extract and standardize data
- Provides analytical results and understanding of the makeup of the raw data before any further analysis is done
- Creation of platforms and tools to manage / compile data for ease of use.



Going Beyond the Data



Building the Model

Example Case Issues:

- Policy chart provided is 30+ years of coverage
- Complex tower of insurance that changed year-over-year
- Inclusion of Defense Costs
- Application of retentions and deductibles
- Application of policies as per-occurrence vs. aggregate
- Policy exclusions
- Allocation Methodology
- Future Claims
- Overlapping Insurance



Building the Model



Analyze and understand the inner-workings of the coverage charts



Review policy language



Review legal guidance provided by counsel





Review claimant data



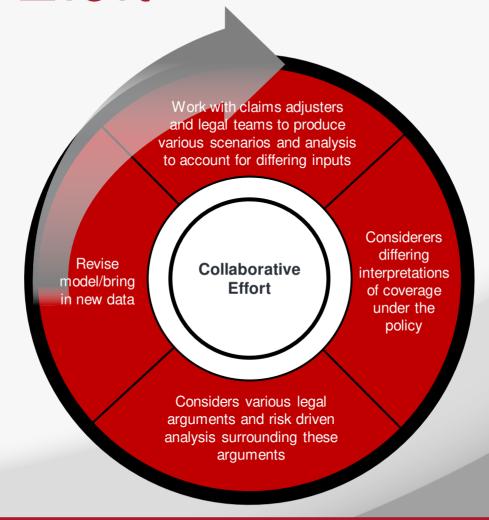
Building the Model – What The Client Sees

Kev Results Criteria 7/2/1992 to General: 7/15/1972 to 7/2/1975 to 8/1/1985 to 7/2/1986 to 7/1/1991 to Claims Value PMV Description N/A 7/14/1972 7/1/1975 7/31/1985 7/1/1986 6/30/1991 7/1/1992 12/31/2008 Total Allocation Methodology Pro-Rata Allocation Dates Claim Count (B): Number of Occurrences (A) Severe Abuse 34 27 75 22 40 21 46 265 One Per Claim 153 396 Non-Severe Ahuse 117 78 195 102 280 1 321 1972 - 1975 Policy Allocation: 187 Drop Down No Total Clain, Count 144 471 100 235 123 326 1.586 Professional Liability (A) No Per Term Total Exposure \$37.305.727 \$21.438.327 \$175.645.029 \$12.190.920 \$85.442.677 \$18.498.173 \$140.229.147 \$490.750.000 Policy Application Policy Limit Per Occurrence Of Which: 1985 - 1986 Policy Allocation: Primary Policy n/a \$21,438,327 \$12,190,920 n/a \$18,498,173 n/a Drop Down No Excess Policy n/a n/a \$0 n/a \$0 n/a Per Occurrence \$0 \$0 \$0 Policy Limit Other Excess Policies n/a n/a n/a n/a 1991 - 1992 Policy Allocation: XXX Exposure n/a n/a \$0 n/a Drop Down No Per Occurrence Policy Limit

* User controlled fields are denoted in purple

Criteria General: Claims Value Allocation Methodology Allocation Dates Number of Occurrences Value Discount Pro-Rata Pro-Rata One 1 cr Graini One 2 cr Graini Settlement Value Discount 0.00%

Collaborative Effort





Modeling Deliverables

All tools have pros and cons – and often a combination is best.

- Great for rapid prototyping
- Broadly familiar

Excel

- Great for communicating insights on LOTS of data
- Can be shared inbrowser

Tableau/PowerBi



- Enormously flexible and performant
- Specialized

Python/R



 Provides clientavailable inputs and controlled access for specialized tools

Cloud Hosting





Decision Tree Analysis



Example Decision Tree



\$14,855,491



Panel Discussion



Questions?

