

# PATH

(Predictive Analytical Trend History – A Data Mining Service)



Midwest Technical Inspections consistently provides our customers with the best, most comprehensive service. In today's data-heavy environment, we provide you with more than just inspections. MTI's PATH is a data mining and reporting services process that gives you supreme insight into the types of risks written and those you may write. PATH extracts trends from inspection data (*over 200 million data points and growing*), transforming this information into reports showing inherent hazards and factors which may cause claims.

These trends can be leveraged with internal data to determine critical types of risks to be inspected. PATH can also track differences from the initial application and agent accuracy to underwriter changes. PATH can lead you to new trends and guide you to new markets.

PATH (Predictive Analytical Trend History) is an integral process for Underwriting and Loss Control as well as all departments, such as Claims, Marketing, and Actuarial, looking to maximize profitability, retention, and growth.

- PATH can lead you to:**
- Hidden data in existing books
  - Trends to target profitable business
  - Improve loss ratios by flagging risks with potential hazards
  - Analyze historical trends
  - Validate data mining models against historical data logic
  - Create models for future business based on current business
  - Interface departments with data already collected but not analyzed
  - Identify suitable data sources for analysis



### Forecasting:

Analysis from statistical data will provide a more accurate forecast of future losses, changes, and gains than from human analysis.

### Safety Compliance:

Compare recommendations submitted with insured compliance to better gauge attitudes towards inspection hazard observations and predict future attitude and compliance patterns.

### Refined Mining:

Extract a particular answer from a particular question inclusive of several variables. Which apartments, Class 1 construction, state of IN, do not have proper fire extinguishers?



## Midwest Technical Inspections

[www.mtinspections.com](http://www.mtinspections.com)

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*The Pyramid Stands for Quality, Service, and You*

