
Predictive Analytics in Healthcare

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ChimeData Overview

- ChimeData offers data analyses and information products and services to help hospitals gauge their performance in quality improvement and patient safety, assess their financial health, evaluate community and population health, track and trend the utilization of key hospital services, and meet regulatory requirements.
- Through its comprehensive analyses, ChimeData supports CHA advocacy by determining the impact of proposed and new policy issues on Connecticut hospitals, and provides meaningful information to help the public make informed healthcare decisions and choices.

ChimeData Overview

- ChimeData offers data collection and reporting services to its acute care hospital members. In addition, ChimeData is used to help hospitals meet regulatory reporting requirements and to support CHA's advocacy efforts.
- ChimeData is the most comprehensive hospital database in the state, including more than 60 million hospital patient encounters dating back to 1980.
- ChimeData collects and edits administrative discharge (UB-04 claims-based) data from inpatient admissions, hospital-based outpatient encounters, including outpatient surgery and emergency department non-admissions.
- Hospitals can access web-enabled decision support tools with static and dynamic reports and on-demand analysis, including predictive analytics.

CHIMEDATA

Quality

Utilization

Population Health

Data Processing

Contact Us

Search



<https://chimedata.org/>

Predictive Analytics

- Definition of predictive analytics
- Leadership, organizational prioritization, implementation and sustainability
- Use cases

Predictive Analytics - Implementation

- Prioritize and implement to maximize value
 - Prototype solutions based on technology feasibility and data
 - Demonstrate framework to potential super users
 - Build full functionality based on data, technology and user needs
 - Roll out products and solutions – User demonstrations of functionality and value, user trainings with various levels of periodic reinforcement

Predictive Analytics – Challenges

- Technology
 - Understanding as to which technology is the most relevant solution
 - Cost of silos of solutions lacking integrated approach
 - Common user standards across all solutions
- Data Availability
 - Reconciling costs versus charges
 - Aggregating multiple types of data
 - Data quality and data completion
- User awareness of available solutions and user adoption