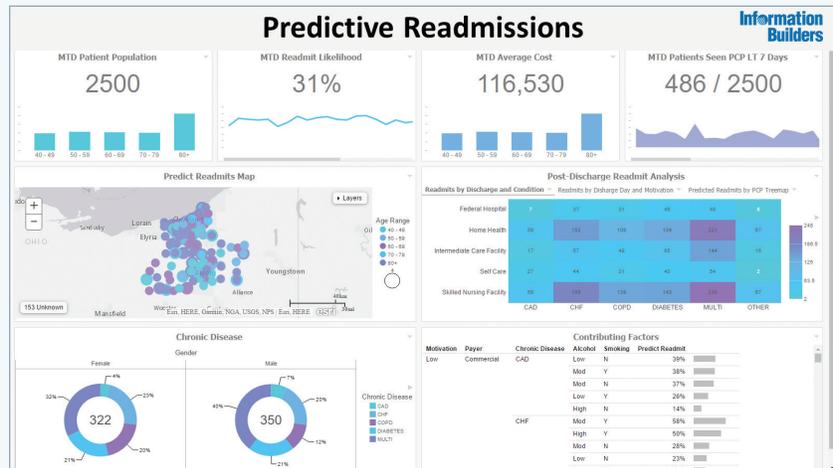


Predictive Analytics for Healthcare

Features

- Integrated platform for data access, data preparation, advanced analytics, and application development
- No coding or syntax
- Seamless deployment of predicted results to the business for action
- Data-driven decisions to improve patient care at lower costs



This predictive application for Healthcare Readmissions helps hospitals reduce re-admissions by improving discharge procedures and transitions to post-acute care.

Healthcare providers struggle to balance conflicting goals. They must deliver superior care to ensure the best possible patient results while minimizing administrative and clinical expenses. Their often complex technology architectures – which include not only administrative applications, clinical management systems, and billing and accounting packages, but also unstructured data, such as admittance forms, transcriptions, X-rays, and MRIs – make it difficult to gain insight into the factors that can help define strategy and improve decision-making.

WebFOCUS RStat Enhances Quality of Care and Increases Profitability

Predictive analytics combines powerful, fully automated discovery and analysis technologies that give healthcare organizations an unhindered view of their patients and administrative activities, so they can use enterprise data to improve all facets of their operations, such as ordering supplies, setting nursing schedules, defining patient treatment plans, and managing budgets. With WebFOCUS RStat from Information Builders, healthcare organizations have access to advanced predictive analytics technologies that give them the ability to discover patterns and trends within their historical data and progress from reactive to proactive decision-making.

For example, models can be created to better understand the drivers behind treatment outcomes, patient survival or readmission, or patient satisfaction. Those models are then deployed to current data as scoring applications to predict behavior. This consistent and fact-based approach enables healthcare organizations to achieve their most important quality of care, cost-reduction, and profitability goals.

Information Builders helps organizations transform data into business value. Our business intelligence, integration, and data integrity solutions enable smarter decision-making, strengthen customer relationships, improve performance, and drive growth.

Optimizing Resource Utilization

Predictive analytics helps hospitals and other healthcare organizations to better allocate nurses, clinicians, diagnostic machinery, and other resources. Patterns and trends in patient admissions, bed utilization, length of stay, and other metrics can be analyzed and used to predict future volumes – particularly when peaks may occur. Hospitals can be more prepared and ensure there are enough resources on hand to provide superior care.

Enhancing Patient Care

Predictive analytics lets healthcare facilities take a more proactive approach to treatment. For example, by more precisely predicting which patients will develop chronic conditions, or which ones will respond best to certain types of medications or therapies, they can focus not only on treating existing conditions, but also on preventing recurrences.

Improving Clinical Outcomes

Predictive analytics can improve the outcome of patient treatments. By closely analyzing which treatments work best, providers can make more intelligent decisions about treatment plans, minimizing complications and patient readmissions.

Increasing Income and Revenue

Predictive analytics provides an efficient and accurate way for healthcare firms to stop fraudulent behavior and identify opportunities to collect missing income, including claims that are wrongfully rejected by payers or overdue monies from patients.

WebFOCUS RStat: State-of-the-Art Predictive Analytics for Healthcare Organizations

RStat's ability to integrate with our business intelligence platform allows for easy data access and preparation, as well as deployment of predictive results to meet a wide variety of end-user requirements. Leveraging the R open-source language, RStat lowers the total cost of ownership by eliminating the need for additional hardware and maintenance. Containing the most commonly used techniques for advanced analytics, RStat's graphical user interface (GUI) lets our customers build predictive models without having to learn code or syntax, and simplifies the model creation and testing process.

RStat empowers healthcare providers to accurately anticipate – and respond to – changes in patient needs, the healthcare industry, and their businesses. The ability to make financial, administrative, and clinical decisions based on experience and intuition is enhanced with robust scoring applications that enable precise, validated predictions. Consistent, complete, and accurate results can be used to make better decisions about tomorrow, resulting in higher profits, reduced costs, improved quality of care, and maximized ROI.

Find Out More

We can help you succeed. Talk to your local Information Builders representative to learn how. Visit us at informationbuilders.com, e-mail askinfo@informationbuilders.com, or call **(800) 969-4636** in the U.S. and Canada. To improve your skills, visit education.ibi.com.

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