pentaho

PENTAHO FOR HEALTHCARE

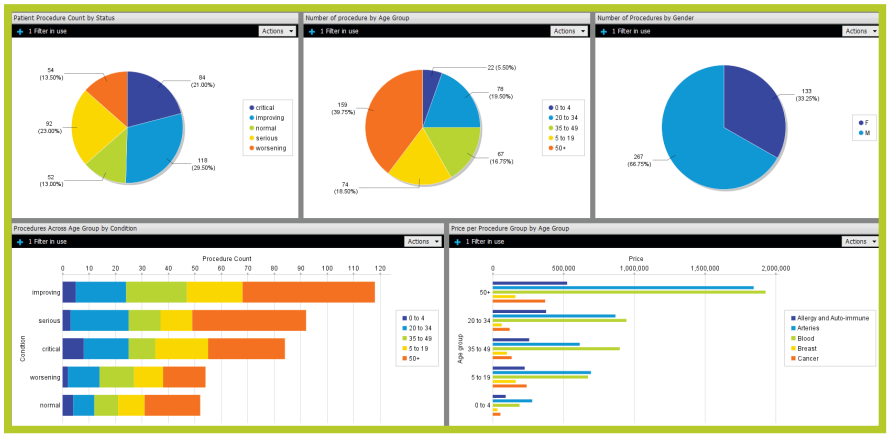
Healthcare Industry Challenges

Healthcare providers operate within highly specialized business processes. Rising costs, long revenue cycles, growing patient populations, and changing regulatory demands create very complex financial, clinical, and operational environments. The industry's shift from a "fee for service" reimbursement system to Evidence-Based Medicine (EBM) and Pay for Performance (P4P) has changed how healthcare organizations operate. Now they not only need access to accurate information about patient medical history and diagnoses to deliver the best medical care, but also need tools to report on the organization's performance and quality metrics.

Pentaho Healthcare Solution

Pentaho gives healthcare providers the answers they need to improve quality of care, streamline operations and enhance financial performance. With Pentaho Business Intelligence, healthcare providers can:

- Develop and track metrics to measure quality of care
- Improve patient safety and reduce medical errors
- Comply with HIPAA and HL7 standards
- Reduce operational costs and better utilize resources
- Shorten revenue cycles and monitor reimbursements
- Meet "meaningful use" criteria for governmental incentives



Pentaho provides interactive and easy to use dashboards, reports and analysis that allow healthcare providers to make fast, data-driven decisions, without the help of IT.

CUSTOMER SPOTLIGHT

To improve patient care and reduce facility operating costs, St. Antonius Hospital needed better data analysis for things such as emergency room wait times and operating room occupation. St. Antonius selected Pentaho, not only to improve quality of care, but also to instill a culture of self-service BI throughout the hospital.

ST ANTONIUS

"Pentaho's HL7 support gives us a fast and easy way to exchange information. Our contributions to Pentaho's open source project for HL7 will enable other healthcare organizations to use it for their data integration and compliance requirements."

– GERRIT KREDIET
CTO at St. Antonius Hospital

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Quality of Care and Patient Care Management

Quick and accurate diagnosis can be a matter of life or death in some situations. In efforts to improve the safety and quality of patient care, reduce medical errors, and provide higher levels of transparency to comply with regulatory mandates, healthcare providers are using Pentaho BI to:

- Visualize patient health history, treatments and prescriptions
- Monitor a patient's health and track treatments over a period of time
- Show how electronic health records (EHR) improve quality of care
- Perform analysis and report on clinical outcomes and EBM processes

Resource Planning and Operations

Healthcare facilities experience fluctuating capacity. This can affect the availability of patient care as well as revenue opportunities. Underestimating demand for appointments and procedures can leave patients waiting, reducing satisfaction of care. Overestimating demand underutilizes clinical staff and increases costs. On the other hand, supply chain deficiencies of medical supplies and pharmaceuticals impact budgets and performance measurements. Pentaho BI helps medical resource planners and operational managers to:

- Align material replenishment with actual usage
- Improve utilization of facilities, testing rooms and equipment
- Reduce staffing costs by matching staff schedules to patient census
- Improve patient flow and efficiency of admissions and discharges

Finance, Billing and Regulations

Rising operational costs and changing reimbursement methods, such as P4P, increase the urgency to improve revenue cycles. To optimize cost allocation, eliminate waste, and manage complex billing and regulatory requirements, healthcare financial and accounting professionals use Pentaho BI to:

- Create an organization-wide view of spending and cash flow
- Track actual vs. budget by department, physician and procedure
- Reduce the cost of medical supplies and physician preference items
- Ensure timely reimbursements from patients and insurance agencies
- Track clinical and operational metrics for performance-based funding
- Comply with HIPAA by using HL7 standards for information exchange

CUSTOMER SPOTLIGHT

With inconsistent patient data across multiple decentralized Excel spreadsheets, Loma Linda University Healthcare needed to provide billing and operational data analysis on their 500,000 patients.

WHY PENTAHO BI?

- Easy to use analytics for 600 doctors and administrative staff
- Ease of compliance with HIPAA
- 75% savings compared to traditional BI

"The Pentaho BI suite allows our technology and business users to get the data they need to perform analysis and standard reporting... Pentaho has provided us with the support we needed to install and implement quickly."

– SHEETZ
$4.9B U.S. Retailer

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