Brochure
Security

Reduce Hospital Costs and Increase Patient Satisfaction

Healthcare Analytics Rapid Deploy Solution

Micro Focus® Healthcare Analytics solutions are designed specifically for leading healthcare organizations. With this on-ramp to the new era of Big Data in healthcare, you can revolutionize the way your organization harnesses, understands, and uses enormous amounts of valuable information that directly impacts the level of care you provide to patients.

Game-Changing Health Care Analytics

Thousands of clinical records are scattered across diverse medical settings and specialties within your organization. Because of the diversity and disparate nature of the information, it requires extensive searching to find specific clinical data, both within a single patient's medical record and across thousands of patient medical records. Many of these records are unstructured and consist of clinical narratives: free-text notes created by users with individual styles and terminology preferences that are as unique as each patient and each clinician. This diversity hinders the ability to find relevant information without a time-consuming, manual review of each document.

Moreover, the contents of these documents provides critical patient insights that, if properly evaluated, could improve patient outcomes. Until now, healthcare organizations have not been able to adequately tap into this rich source of unstructured clinical data.

Healthcare Analytics Rapid Deploy Solution

The Healthcare Analytics Rapid Deploy Solution is a purpose-built, customizable blueprint powered by core Micro Focus Big Data engines that can be quickly launched at a fraction of the cost of a traditional built-from-scratch Big Data healthcare analytics solution to address specific use cases that help you be more effective.

Healthcare Analytics is built on a framework of technologies that address an endless number of clinical scenarios. Your organization will be able to continuously build its overall analytics capabilities, even as your Healthcare Analytics deployment provides the immediate information you need for improved operations and better outcomes. Regardless of how you start, Micro Focus Big Data architecture provides a roadmap for comprehensive technology and services that will take you from today's traditional healthcare IT to tomorrow's clinical analytics.

Micro Focus Health Care Analytics allows you to investigate a large number of scenarios, such as:

Hospital-Acquired Conditions (Care Quality)

We provide a simple healthcare analytics command center that allows hospitals to evaluate, measure, and optimize critical processes that are most important to your institution. The flexibility to measure and visualize information drawn from comprehensive data sources means that you can define your own key-performance indicators (KPIs), set up dashboards to efficiently communicate performance, and let users engage in drill-down and segmentation to understand the root cause for areas of concern. Using the dynamic dials, hospital staff will be able to quickly see where there may be a problem on a chart, monitor each performance indicator to see trends, and drill into specific conditions for further analysis.
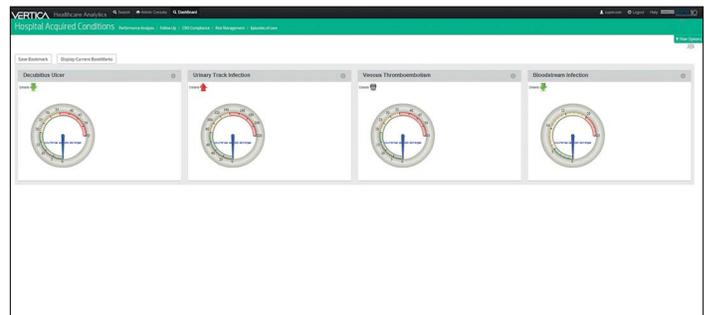

Figure 1. Analytics Command Center

Episodes of Care

An episode-of-care tracks all services provided to a patient with a medical problem within a specific period of time across a continuum of care in an integrated system. There is growing interest in using episode-of-care data to monitor and ultimately improve healthcare quality control costs. The Micro Focus Episode-of-Care Solution allows providers to view their efficiency ratings in order to provide better care coordination and collect incentives. These dashboards give providers detailed metrics on the risk-adjusted spend per episode. They also allow providers to review where they rank compared to other providers in the same network.
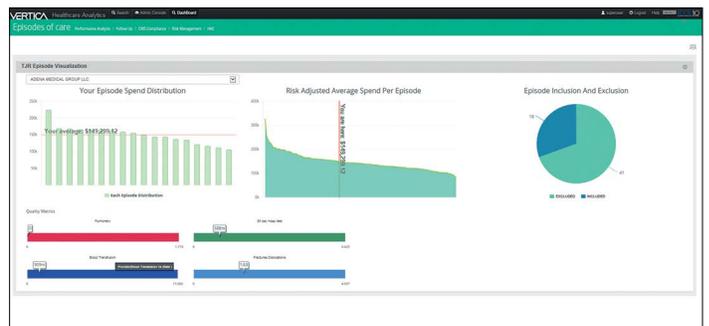

Figure 2. Episodes of Care

Computer-Aided Chart Review

Healthcare Big Data analytics solutions improve chart abstraction by identifying selected concepts where they appear in the medical chart. This allows chart abstractors to instantly find the text that is relevant to their specific abstraction task. The SNOMED ontology provides a rich hierarchy of clinical relationships and out-of-the-box classifiers improve text-processing accuracy. The result is more consistent chart abstraction and improved operational efficiency.
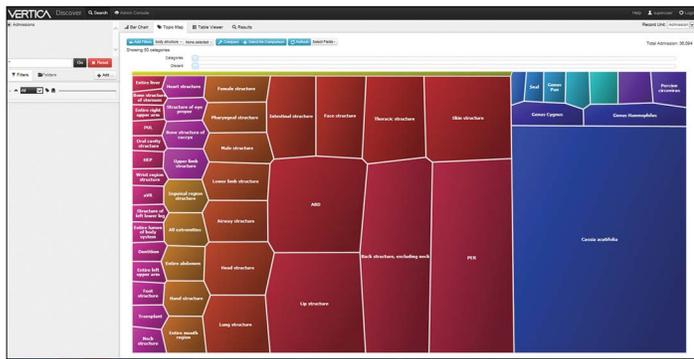

Figure 3. SNOMED Ontology

Population Health

Population health management centers on the organization and management of the healthcare delivery system in a manner that makes it more clinically effective, more cost effective, and safer. Management capabilities are enhanced by the ability to visualize aggregate cohort information from both structured and unstructured information, while maintaining the ability to resolve the underlying data down to the individual patient records.
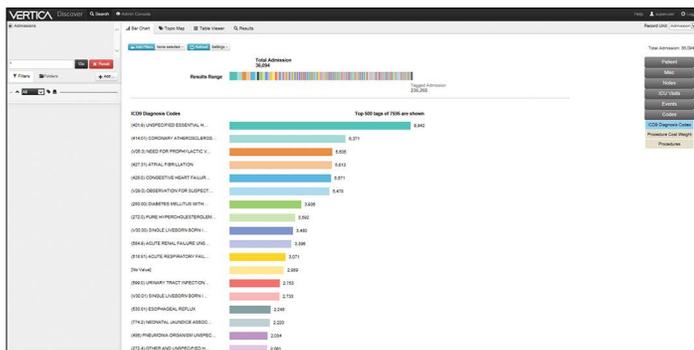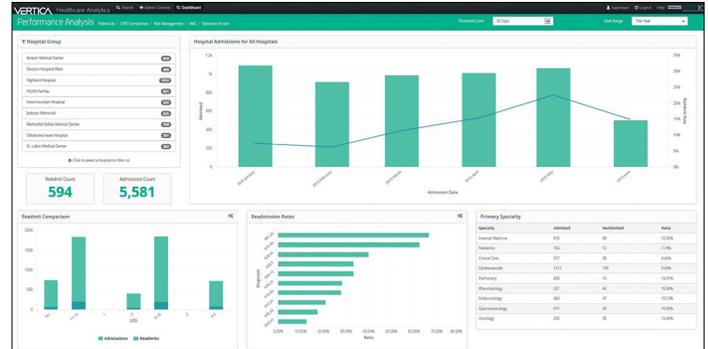

Figure 4. Population Health Management

Figure 5. Readmissions Metrics

Hospital Readmissions

Hospital readmissions cost Medicare $15 billion USD a year and double the cost of providing patient care. Hospital administrators face the challenge of adopting healthcare analytics solutions to meet Hospital Readmissions Reduction Program (HRRP) regulations while maintaining long-term performance and upholding patient care satisfaction. While many BI systems report a readmission rate KPI, Healthcare Analytics solutions investigate the underlying readmissions metrics, revealing insights into trends and providing detailed benchmarks against HRRP thresholds.

SOLUTION BENEFITS

- **Eliminate false starts:** Do it right the first time. Healthcare Analytics solutions are based on proven blueprints. These blueprints coupled with Micro Focus expertise enable your project's success.
- **Get tailored insights:** Upfront planning and discussion help ensure that your end results reflect the specific care metrics that will help your organization.
- **Accelerate time to value:** Rely on established Micro Focus best practices to eliminate a lengthy design process, and tap into our experts to quickly identify your data and quickly establish capabilities allowing you to gain benefit early.

The Micro Focus Professional Services Difference

We make the possibilities of data tangible for your business today. Whether it's finding the crucial customer insight or creating a foundation for growth, Micro Focus Big Data Professional Services helps you to bridge the gap to becoming a data-driven organization.

- Proven track record of thousands of successful solution deployments globally
- Rich intellectual property and unparalleled product expertise

- Flexible services to meet the needs of any customer
- Education and support services to support ease of adoption

Contact your Micro Focus representative or email Micro Focus Big Data Professional Services at bigdatainfo@microfocus.com.

Learn more at
www.microfocus.com/bigdataservices

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