

Information Builders enables agile information solutions with business intelligence (BI) and integration technologies. WebFOCUS – the most widely utilized business intelligence platform – connects to any enterprise system or application and enables simple and intuitive interaction with information.

The CMRA solution includes pre-built dashboards and scorecards to track clinical quality of care and patient safety measures that provides dynamic drill down into more detailed information.

Integrated Health Intelligence

Clinical Management Reporting and Analysis Solution



An Enterprise BI Platform for Clinical Performance Management, Reporting, and Analysis

The Integrated Health Intelligence (IHI) Clinical Management Reporting and Analysis (CMRA) application provides an integrated environment for all of your clinical management, operational reporting, and analytical needs. The solution includes dashboards, pre-defined reports, and visual analytics on top of a robust data model.

The CMRA application enables secure, self-service reporting and analytics for all of your users. It provides users the ability to access information from all of your applications and systems – so information can be used more effectively to impact the lives of patients and for improving outcomes and profit margins.

CMRA addresses all of your users' reporting and analysis requirements including:

- Scorecards and dashboards with key performance metrics built-in so executives and administrators can make data-driven decisions to identify underperforming areas, spot trends, and justify changes in budget, staffing levels, and resource utilization
- Ad hoc online analytical processing so analysts and other business users can slice-and-dice data to perform analysis, planning, and forecasting
- Easy-to-use, self-service operational reporting for clinical staff and administrators to provide information at the point of care
- Enterprise search across structured and unstructured data for clinical research

Clinical Performance Management

Performance management works. Performance management applications foster a culture of accountability where stakeholders take ownership for performance improvements within their areas of responsibility. For example, when service-line directors and physicians have easy access to key metrics, they focus on areas that need improvement. IHI CMRA includes built-in scorecards and dashboards that provide performance measures and high-level summary information with secure role-based drill downs into more detailed information. With clinical performance management, problems can be quickly identified and addressed before they get bigger and areas for improvement can easily be seen.

The system includes built-in scorecards and metrics for:

Clinical Quality

- Compliance with PQRI, JACHO, HQA, and AMI metrics
- Patient satisfaction and Press-Gainey scores
- Incident ratings and other outcomes

Clinical Safety

- Readmits
- Mortality ratios
- Medical and surgical errors
- Patient falls and other incidents

Clinical Efficiency and Effectiveness

- Accountability and productivity measures
- Clinical process improvement
- Resource and asset utilization

Clinical Growth

- Census trends
- Patient turnover
- Trends in inpatient and outpatient services



Data-Driven, Evidence-Based Decision Support

To make sound business decisions that balance quality of care, safety, and patient satisfaction with labor, resource, and financial goals, analysts need tools that enable them to sort through enterprise data to identify patterns and establish relationships. Analysts also need tools that allow them to slice-and-dice data, look at it from various dimensions, or even join it with data from other sources.

IHI CMRA includes guided ad hoc analytics and pre-built reports with an easy-to-use interface to examine data by patient, service, DRG, provider, department, service-line, cost, revenues and charges, volumes, payors, and outcomes to:

- Identify best practices of various initiatives and treatment plans with outcomes analysis
- Enable smarter service planning, right-sizing, and forecasting
- Perform productivity analysis and find process improvements
- Formulate ways to increase revenue while holding down costs
- Enable provider profiling

The screenshot displays the 'Integrated Health Intelligence Clinical' reporting interface. The main title is 'Ranking/Variance Adhoc Report'. The interface includes several sections for report configuration:

- Report Content:** 'Display Report by:' is set to 'Admission Date' and 'Measure Report by:' is set to 'Balance'.
- Ranking Options:** 'Rank Report by:' is 'Change Percentage', 'Order:' is 'Highest', and 'Ranking Limits:' are set to 5, 10, 15, and 20. The 'Show Ranking Column' checkbox is checked.
- Filtering Options:** 'Select a Time Period:' is set to 'Month'.
- Drilldown Options:** 'Select First Drilldown:' and 'Select Second Drilldown:' each have radio buttons for 'Admission Date', 'Admit Source Code', 'Admit Type Code', 'Admitting Physician', 'Admitting Physician Num', 'Age', 'Age Group', 'Attending Physician', 'Attending Physician Num', 'Diabetes', and 'Discharge Code'.

On the right side, there are 'Output Options' including 'Export to Excel', 'View Online', and 'Prepare for Printing with Adobe PDF', with a 'Run Report' button below them. The top navigation bar includes tabs for 'ER Util', 'Visualizations', 'AMI Metrics', 'MRI & CT Util', 'OR Util', 'Ed Guided Rpts', 'Today', 'Analytics', 'Author', 'Predictive Modeling', and 'Web Ad Hoc'. The bottom status bar shows 'Done populating' and 'Local intranet'.

Operational Reporting

IHI CMRA, built on WebFOCUS, is the world's most robust and scalable BI platform; supporting more users with more features and functionality than any business intelligence platform available.

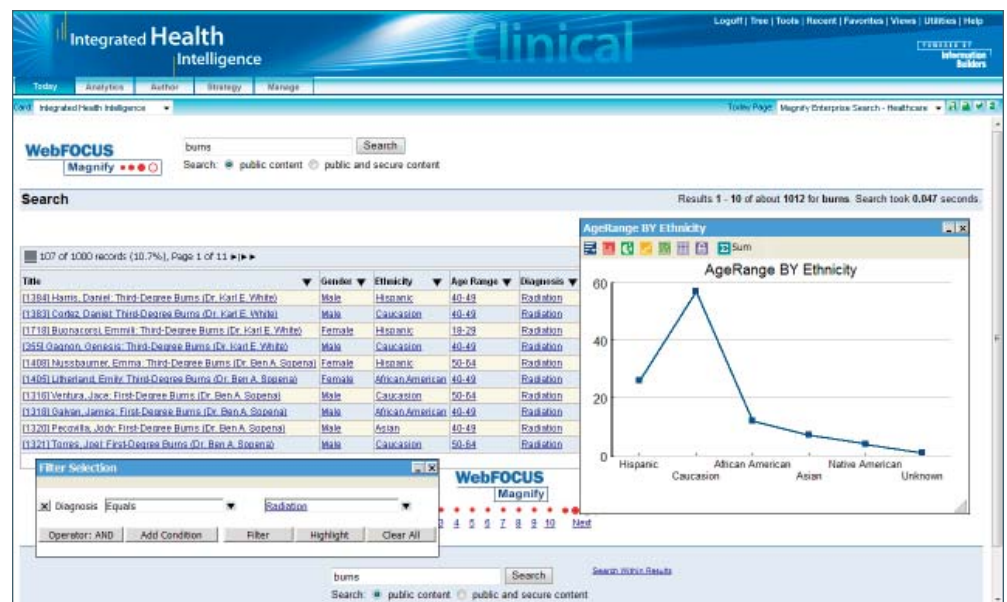
With industry growth and consolidation, healthcare organizations are getting larger and have more employees, service lines, customers, partners, and vendors than ever before. By extending

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reporting capabilities to everyone who impacts operations, individuals make better-informed decisions, which result in higher productivity, cost-efficiency, and process improvement.

For instance, administrators and staff can make better decisions when they can track census data, patient and bed utilization, length of stay, admissions, discharges, and transfers. Nursing departments make better decisions when they can track hours worked by DRG, procedures, or patient days. Affiliated doctors and clinicians benefit when they can track the services they have performed and the revenue they have generated.



Clinical Research, Analysis, and Enterprise Search

Without knowing where you have been, it's hard to predict or plan for the future. Built on the WebFOCUS BI platform, IHI CMRA provides users with the ability to do ranking and variance, historic, trend, and what-if analysis across any dimension they may choose – such as facility, functional area, provider, payer, service, or DRG.

Furthermore, our Magnify offering for enterprise search brings the speed, breadth, and power of an Internet search into the realm of the clinical enterprise. With Magnify, users can efficiently and easily locate all references across structured and non-structured data to research patients, procedures, symptoms, diagnosis, outcomes, and providers. Results can be ranked and grouped by any number of criteria (such as demographics) to help identify unforeseen relationships in the data.