MEDITECH’s Data Repository, a SQL database, provides an open environment for powerful reporting and decision support across the continuum of care. Virtually all data captured in MEDITECH Expanse, as well as interfaced data from other vendors’ systems, can be stored in the Data Repository for direct access using Visual Insight, a self-service analytics tool in our Business and Clinical Analytics solution, or any ODBC-compliant reporting software. Other vendor data can also be stored in a separate SQL database and combined with data stored in the Data Repository. To facilitate uninterrupted, longitudinal or research-based reporting, the Data Repository resides on a separate Microsoft SQL server from your LIVE system and is continuously fed with data, allowing for dynamic report and dashboard creation.

Create Reports and Dashboards from an ODBC-compliant, SQL Database

The Data Repository collects and organizes data captured throughout your organization in an ODBC-compliant, SQL database for flexible reporting using a variety of software tools. Extract, transform, and load (ETL) routines continuously send data from the LIVE MEDITECH system to the Data Repository SQL server, allowing you to analyze clinical, operational, and financial data across your organization.

The Data Repository enables you to:
- Immediately access comprehensive historical data from a scalable database that does not require purging.
- Simplify report and dashboard development using standard table, column, and field naming conventions, with the ability to restrict user access to specific tables and/or columns in a table and row-level security within views.
- Enhance reporting using Business and Clinical Analytics’ Visual Insight tool or ODBC-compliant tools – Microsoft SQL Server® Reporting Services (SSRS), Microsoft Excel®, Microsoft Access®, SAP® Crystal Reports, and SQL Server Management Studio (SSMS).
- Manipulate, mine, and graphically depict selected data using enhanced visualization tools, such as: traffic lighting, OLAP cubes, balanced scorecards, dashboards, and pivot tables.
- Report on measures outlined by regulatory agencies (e.g., CMS or The Joint Commission); use this data to monitor performance and meet benchmarks.

The Data Repository improves efficiency by allowing users to report on information housed on a separate SQL server. As a result, physicians, clinicians, and other staff using MEDITECH’s EHR are not adversely impacted by any analyses taking place in the Data Repository.
Map Data from Other Vendor and Industry Databases

Your organization can combine Data Repository data with information from non-MEDITECH sources used throughout the continuum of care—such as physicians' practices, rehabilitation facilities, independent specialty clinics, and insurance companies. The Data Repository incorporates data in the following ways:

- Other vendor data interfaced with MEDITECH Expanse and converted to our programming language can be sent to the Data Repository.
- MEDITECH customer-defined screens can capture and report on data from other organizations for transfer to the Data Repository.
- Other vendor data can be stored in a separate database residing on the same SQL server as the Data Repository for extraction.

Information can also be mapped from organizations (e.g., Centers for Disease Control and Prevention (CDC) and Press Ganey) to compare patient data from your organization against third-party benchmarks.

Access Data for Decision Support and Research Projects

By combining detailed information from across clinical, administrative, and financial applications, the Data Repository provides a powerful research environment for analyzing both financial and quality benchmarks and performing cross-population analysis. Your staff can:

- Study data to conduct business and clinical research/audit analyses.
- Quickly analyze the broad scope of information and draw conclusions about patient treatment strategies, strategic planning, and outcomes reporting.
- Identify cost efficiency levels on an overall organizational and provider-by-provider basis.
- Perform unlimited analysis on patient populations via Business and Clinical Analytics' Visual Insight tool or an ODBC-compliant tool.

The Data Repository can help your organization monitor and trend key performance indicators (KPIs), core measures, national patient safety goals, and other critical data. For example, COOs, CFOs, and CQOs can use the Data Repository to improve your organization's performance, financial strength, and reputation within the community by targeting problem areas, making operational adjustments, and improving outcomes.

Integration with MEDITECH's Business and Clinical Analytics

The Data Repository is the foundation of our business intelligence solution, Business and Clinical Analytics. Leveraging the Data Repository's SQL environment, MEDITECH created a query-optimized data model to normalize pertinent data for targeted analysis via standard content dashboards. In addition to standard content dashboard views, Business and Clinical Analytics features a self-service analytics tool, Visual Insight, that enables you to pull data from our pre-built query-optimized data model and source data from the MEDITECH Data Repository or non-MEDITECH database sources for user-defined dashboard and report creation.

Address ARRA Clinical Quality Reporting Requirements

MEDITECH's Data Repository—in conjunction with SQL Server Management Studio (SSMS)—addresses the CEHRT Clinical Quality Measures and Objectives reporting requirements. These reports are certified according to ARRA Meaningful Use (MU) specifications by the Drummond Group, and the SQL scripts are available for download from MEDITECH's website, with accompanying best practice documentation to ensure appropriate data capture and report output. To automate the report configuration for your organization's quality departments, MEDITECH provides an ARRA Report Manager utility that includes QDRA output packages for direct submission via Quality.net.
For monitoring your MU compliance, MEDITECH’s Business and Clinical Analytics solution includes standard dashboard views for Eligible Hospital (EH) and Eligible Professional (EP) Clinical Quality Measures and Objectives. These views are designed for all staff responsible for MU analysis and attestation to effectively analyze compliance rates and trends for EH and EP CQMs and objectives to monitor and improve performance.

For more information, contact a MEDITECH Marketing Consultant.