

MEDITECH Data Repository Training

MEDITECH Data Repository Database Complexity

There are 7,000+ tables and 40,000+ fields that make up MEDITECH DR. Most of the data used for needed for clinical quality reporting is housed in ~300 key tables. DR is not a typical relational database in that it lacks relationships. As such, the DR database lacks primary key clustered indexes and stored procedures.

Expert training on the MEDITECH DR database is key to understanding this complex data model.

The MEDITECH DR Database Architecture and Reporting Workshop will provide you with the fundamentals necessary to build reports out of the MEDITECH DR Database. Throughout the three day event we plan to review the key tables within the MEDITECH DR database, strategies for reporting repositories, deployment methods, and we will walk through reporting examples provided by the different attendees.

Course Highlights

- MEDITECH Database Architecture Review (Key Tables)
- Develop Reports Based on Attendee Submissions
- DR Reporting with SSRS & Report Builder
- Schema Review, Error Detection & Resolution, and Auditing
- Review Reporting Methodologies & Report Deployment Models

Deliverables & Course Materials

Each attendee is provided with training documentation that outlines all of the concepts and examples used during the course

- Presentation Materials
- Entity Relationship Diagrams
- Data Dictionary
- Exercises & Assessments

Prerequisites

- Prior knowledge of T-SQL is essential. Querying including multiple joins, CASE statements, temporary tables and GROUPING should be an area of comfort for the attendees.
- An understanding of the MEDITECH EMR with regards to management/admin and end-user use is required.
- Prior use of Crystal Reports and SQL Server Reporting Services will also be helpful.

Recommended Audience

- *Reporting Analysts and Architects:*
Your decision support or reporting group is likely flooded with requests for reports from MEDITECH. The reporting analysts and architect(s) within your organization will need to understand the MEDITECH DR data model in order to service these report requests. They will obtain a thorough review of the key tables in the MEDITECH DR database, how they link together, and the challenges found in retrieving data from the MEDITECH DR database.
- *Database Administrators:*
The DBA will obtain a thorough review of the key tables in the MEDITECH DR database, how they link together and the challenges found in reporting from the EHR database - both in the data structure for reporting and performance impact of the queries and how the transactional data model affects the ability to write efficient reporting queries. Data warehouse options and design considerations will be reviewed.
- *Other:*
 - *Physician IT leaders* - we have trained a handful of physician-cum-IT directors who have had great success in understanding the data model, and being able to use both ad-hoc queries to make quick analyses of situations, and help their team write meaningful reports.
 - *IT leaders* - often times the managers and directors of IT groups are not hands-on writing reports. There are times; however, that leaders within the IT organization need to understand the MEDITECH DR data model at a detailed level. The course is a perfect match for this situation.

To learn more about our MEDITECH know-how, visit galenhealthcare.com