

MeRx Clinical Data Repository (CDR) Access That Turns Data into Meaningful Information

Demand for quality transformation requires hospitals and healthcare institutions to be more data-driven. Only a central data repository can provide clinicians and administrators with the storage and access to turn the data into usable information when and where they need it most.

Patient records and various laboratory and diagnostic systems facilitate the storage of vast amounts of clinical data generated each day. Still only a few have been able to put those data to use by permitting efficient retrieval that facilitates quality and safety improvement and research.

Physicians and clinical staff moving between departments not only need access to the resulting trove of records and images (regardless of where the imaging data resides). More importantly, they need and expect all these to be associated to, and made available with, all of a patient's other medical data. But in reality, for many healthcare institutions this type of data access is either not possible or made more difficult by IT investments that are compartmentalized and fail to consider the needs of the hospital as a whole functioning unit.

This is when a centralized clinical data repository becomes essential.

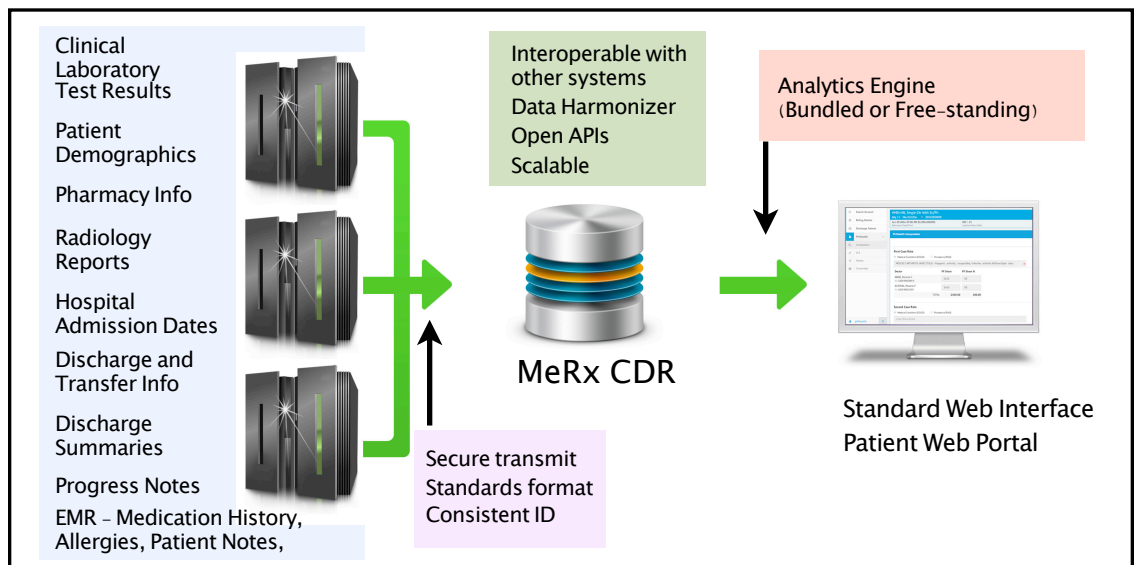
Comprehensive Patient Profile

Very few hospitals have the capacity to consolidate and collect data. Most often, departments are left to design and implement strategies for their own use and rarely has those systems consider the possibility of use of the hospital's multiple stakeholders.

Yet to support and accelerate important transformative innovations in healthcare requires that improvements enable and support care coordination that can only be made possible with efficient access to information.

Furthermore, a clinical data repository allows hospitals to create a patient profile to keep track of its patients, by noting where patients go to get care and what kind of care they are receiving. With this setup, they can match the clinical data with patient claims and expenses to have a more rounded picture of what is happening to the patient.

Traditionally, hospitals implement separate storage architectures for disparate systems which are restrictive and do not permit a data-rich, longitudinal view of a patient record. As the need to coordinate care increases, hospitals are forced to look into costly ways of consolidating systems that are mostly proprietary and do not support sharing and integration of data. It is clear that what is needed is a patient-centric approach – a unified repository that transcends changes to viewing, acquisition and workflow factors without the need to convert or change data formats be it image or non-image healthcare data.



The MeRx Clinical Data Repository (CDR) solution stores, protects, preserves, consolidates and facilitates retrieval of clinical information.

MeRx Clinical Data Repository

MeRx Clinical Data Repository (CDR) provides a central repository that aggregates all patient-centric data in all areas within the hospital. It enables healthcare information to be queried, stored and retrieved in a manner defined by open standards and allows for data to be packaged for various uses while maintaining patient privacy and security.

Turnkey System to Capture All Data

Regardless of where data is generated, MeRx CDR captures and stores data in its native format – preserving its integrity. It ensures continued access and use by the source application without interfering with existing applications. Requiring no database integrations, MeRx CDR provides healthcare facilities with a turnkey solution which can be deployed quickly to provide instant return on investment.

Full View of Patient's Longitudinal Record

MeRx Clinical Data Repository (CDR) creates a rich metadata repository that indexes objects as they are stored that enables a full view of the patient's longitudinal record. The record includes any system-generated patient-related data, whether clinical, administrative or financial. The metadata layer supports efficient searching and faster retrieval of patient data that promotes productivity and improved clinical decisions.

Unified Data Management System

MeRx Clinical Data Repository (CDR) provides a hospital-wide, vendor-neutral architecture that supports integration of multiple and distributed repositories such as PACS, DICOM or other imaging systems. With MeRx Clinical Data Repository (CDR), hospitals and health facilities can now have the infrastructure to support a successful electronic medical records (EMR) implementation by combining clinical and non-clinical data into one data management system.

Turning Data to Key Insights

As an intelligent data management system, MeRx Clinical Data Repository (CDR) presents an incredible opportunity to assist in care optimization and clinical research for hospitals looking for a way to store and analyze the growing volume of patient data. Unlike traditional systems where data remains locked in multiple silos, MeRx Clinical Data Repository (CDR) supports analytics platforms that will enable realizing new insights and support business intelligence (BI) processing.

Hospital Transformation and Better Care Delivery Through Technology

There's so much at stake with improving healthcare – from quality of care and patient safety to operational efficiency and cost control that for organizations, it's tempting to leap straight into package model designs and implementation without considering the cost of maximizing the benefits of integration and connected systems in the long-term.

With Medcurial, we are committed to helping healthcare organizations effectively transform their business and lower the cost of delivering superior healthcare with technology solutions designed to connect and integrate to meet future needs of interoperability.

MeRx Clinical Data Repository (CDR) relieves hospitals of the pressure to store and keep patient records and files using disparate systems and supports healthcare projects centered around organizing data in order to facilitate clinical and financial analytics.

By ensuring access to a longitudinal view of a patient record when and where it is required, MeRx Clinical Data Repository (CDR) sustains the goal of improving quality of care to the patient, helps to allocate resources appropriately and allow medical centers to embrace what can truly be recognized as coordinated care.

For more information on integrated healthcare and clinical solutions, please visit:
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