

DEPENDABLE TECHNOLOGIES FOR CRITICAL SYSTEMS

**CRITICAL**  
SOFTWARE

BETTER DATA MANAGEMENT,  
BETTER PATIENT OUTCOMES

COMPREHENSIVE IT SOLUTIONS TO MANAGE PATIENT INFORMATION

# BETTER DATA MANAGEMENT, BETTER PATIENT OUTCOMES

## COMPREHENSIVE IT SOLUTIONS TO MANAGE PATIENT INFORMATION

Modern healthcare calls for comprehensive IT solutions to manage patient information, which is often spread across multiple systems that do not communicate easily with one another, if at all.

Daily, large volumes of clinical data are generated, many with near-real time processing requirements. Enabling full and timely use of this data can make a critical difference to patient outcomes, but this is only possible when the right IT tools are available.

Without the right systems in place, medical practitioners have difficulty gathering all the information they need. They are obliged to struggle with incomplete data, lacking both detail and a complete view of historical patient information, negatively impacting patient care and operational efficiency.

CRITICAL Software's Adaptive Patient-Centric Portal tackles the problems of reliable data aggregation and consistent data analysis head-on, with tools that allow efficient data visualization and intelligence.

### ADAPTIVE PATIENT-CENTRIC PORTAL: KEY FEATURES

#### Clinical Repository

The Clinical Repository is a patient-centric database, based on the openEHR reference model, which gathers relevant clinical data from all of the information systems that support the provision of care to the patient. This data would otherwise continue an island existence and, in all likelihood, would never be fully utilised in supporting patient care.

#### The Viewer

The Viewer enables full analysis and exploitation of all the information in the Clinical Repository. Web-browser enabled, it allows only authorised healthcare staff to have access to patient information, irrespective of which system is responsible for its creation, subject to pre-defined privacy rules. It is fully configurable and designed to address multiple views according to end-user role.



#### Clinical Data Analysis

Apart from improving the care of individual patients, CRITICAL Software's analysis module provides another major benefit by enabling the analysis and monitoring of overall clinical and operational performance measures across healthcare facilities. Based on a powerful clinical data warehouse, dashboards and KPIs are fully configurable according to clinical professional and care unit needs.



### ABOUT CRITICAL SOFTWARE

CRITICAL Software provides systems, software and data engineering services for safety, mission and business-critical applications. The company helps to ensure its clients meet the most demanding quality standards for software safety, performance and reliability. Its data engineering products and services also provide clients with the information they need to manage their important assets and information, helping them to achieve better business performance. The company operates primarily in the aerospace, space, energy, transport, health care and defence industries.

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