

Introducing **MEDITECH's Electronic Health Record**

MEDITECH's Electronic Health Record is a well-crafted suite of integrated applications—including EPR and PAS—designed to support the delivery of safe, cost-effective patient care throughout the continuum. Information from acute care, clinics, Accident and Emergency, and other care venues is unified to help your organisation better manage patient health and improve outcomes.

MEDITECH automates the clinical, administrative, and financial workflows across your healthcare organisation. Imagine consultants conveniently placing orders and reviewing comprehensive patient records on-line. Imagine nurses documenting care pathways with an easy-to-use multi-disciplinary tool. Imagine staff more efficiently managing your 18 Week Referral to Treatment Pathway process and minimising patient wait times. Now, imagine guiding your organisation with powerful outcomes management and decision support tools directly at your fingertips.

Our systems offer unprecedented range and value. We provide our customers with perpetual software licenses, so there are no relicensing fees. Your EHR is implemented on time and within budget. As a MEDITECH customer, you receive regular, timely enhancements and updates at no additional charge. With MEDITECH, your organisation will operate an EHR for a fraction of what other systems cost.

*Here are the components comprising **MEDITECH's Electronic Health Record...***

Patient Administration System

Our Patient Administration System supports the booking and registration of inpatients, outpatients, day cases, and referrals. The software ensures positive patient identification throughout your organisation and easy ongoing maintenance of accurate case notes. Information is easily retrieved from centralised storage, so patients are spared answering the same questions repeatedly, and staff members have a firm foundation from which to initiate the best possible care.

Highlights include:

- An Enterprise Master Patient Index
- Admissions/Registration with support for outpatient kiosk check in
- Centralised bed management
- Clinical coding
- Submission of CDS reports
- Choose and Book integration
- RTT pathway tracking
- Waitlist management including TCI tracking.
- Management of Did Not Attend (DNA) patients
- Scheduling and diary management
- Case note tracking.



Order Communications and Results Reporting

MEDITECH provides a central and comprehensive Order Communications solution from which clinicians can order radiology procedures, pathology tests, and other requests. Clinical decision support capabilities scan for potential conflicts, such as duplicate procedures and allergy interactions, and flag clinicians where conflicts exist. Once placed, orders are electronically passed to the receiving department or ward and automatically update the patient's Electronic Patient Record.

All corresponding results pass directly to MEDITECH's Electronic Patient Record, which provides a single source for viewing, trending, graphing, and acknowledging relevant patient information from throughout your healthcare delivery system. Our Electronic Patient Record electronically stores comprehensive case notes for each patient over the course of a lifetime. Multiple authorised clinicians can access the Electronic Patient Record simultaneously to review and interact with real-time patient information and test results. Clinicians can even define their own clinical panels of patient information captured across multiple visits and departments.

Consultant Care Manager

Consultant Care Manager enables consultants to manage patient populations through a single, easy-to-use desktop portal. Consultants direct care for patients in your hospital, on the wards, in clinics, and Accident and Emergency Department (through integration with our Accident and Emergency Management product,) with greater efficiency than ever before.

Product highlights include:



- A streamlined desktop portal for managing patient populations
- e-Prescribing functionality, including patient- and drug-specific decision support
- Care records, including outpatient visit information
- Discharge communication for creating and sending GP Letters
- Clinical documentation tools
- Flexible views of patient information
- Secure, Internet-based access to information
- Access to real-time patient data via smart phones, tablets, and other mobile devices.

Patient Care and Patient Safety (Nursing)

Our Patient Care and Patient Safety product provides nurses and other allied health professionals with the clinical tools needed to deliver timely patient care across all wards, including such specialties as critical care and maternity. Nurses manage patients' care through a customisable Status Board portal, which helps them to prioritise tasks, quickly access needed information, and remain organised throughout their shifts. Care is documented efficiently in a spreadsheet format, enabling providers to trend data and evaluate progress. Medications and transfusions, meanwhile, are administered safely using the product's bedside verification features. Highlights include:

- Status Board with clinical alerts
- Automatic notification of scheduled interventions and administrations
- Multi-disciplinary Care Pathways
- Interfaces with patient monitoring devices
- Clinical surveillance to monitor critical care wards
- Maternity with NHS Number for Babies interface
- Medication Administration Record (MAR)
- Transfusion Administration Record (blood tracking).

Accident and Emergency Management

Our Accident and Emergency Management product assists clinicians and staff with the critical task of managing patients quickly and efficiently, from the moment patients enter the Emergency Department through to discharge or hospital admission. Highlights include:

- Private and public trackers for managing workload and monitoring patient activity
- Wait time reports to ensure treatment or admission before breach
- Triage routines for receiving patients quickly
- Accident and Emergency pathways based on patient's reason for visit

- Nursing and consultant documentation
- Interface with patient monitoring devices
- TTO ordering with clinical decision support
- Integration with HISS to support direct patient admission and reconciliation of home medications.

Theatre Management

The Theatre Management product provides functionality for all aspects of managing hospital theatres, including scheduling, clinical documentation, stock control, and complete statistical and reporting capabilities. Highlights include:

- On-line big board for real-time tracking of theatre cases
- Centralised theatre booking
- Drag-and-drop functionality for efficiently managing the schedule
- Conflict checking to prevent patient and resource conflicts
- Case times based on surgeon's average procedure time
- Perioperative surgical profile documentation
- Surgeon- and procedure-specific preference cards and pick tickets
- Integration with central store for managing items
- Implant/explant tracking.



Oncology Management

Oncology Management is a comprehensive system designed to help your organisation manage the unique care requirements of oncology patients, who often require lengthy treatments and frequently move between inpatient and outpatient facilities. The product serves a wide range of clinicians and staff. In addition, the product features extensive integration with the MEDITECH EHR. Highlights include:

- Comprehensive chemotherapy treatment plan ordering, including dose calculations and adjustments
- Tumor staging documentation
- Clinical documentation for both consultants and nurses
- Oncology-centric clinical flowsheet
- Interactive Oncology status boards and desktops.

Pathology Information System

Our powerful clinical products afford you the flexibility to maintain both core and independent Pathology functions across your organisation. Our integrated Pathology Information System streamlines workflow and eliminates time-consuming paperwork for all disciplines. Functionality supports multi-site, multi-facility tracking for general laboratory, histopathology, cellular pathology, and blood bank, including the ability to perform statistical analysis, trend, and compare test results.

Highlights include:



- Roles-based desktop portals for all disciplines
- Expert systems with rules-based logic and quality control
- Ability to produce on-line patient inquiries, reports, and summaries
- Integrated stock control and maintenance scheduling for laboratory instruments
- Bar code scanning of specimens to ensure positive patient identification
- Voice-enabled text and templates to speed data entry
- Recording, storing, coding, searching, and reporting histopathology and cellular pathology cases
- Automatic SNOMED concept coding availability
- Electronic capture and annotation of digital specimen images
- Electronic crossmatching of blood products, as governed by MHRA
- Ability to track blood donor, unit, and patient history information
- Transfusion management, including integration with Transfusion Administration Record
- Ability to calculate interpreted results of cell panels and antibody identification.

Clinical Pharmacy and Stock Control

The Clinical Pharmacy product is tightly integrated with our e-Prescribing and medication administration software to ensure patient safety. We provide a comprehensive set of features for the safe administration of inpatient and TTO medications and the efficient management of your organisation's Pharmacy. Clinical decision support capabilities, provided through rules-based logic and First DataBank Europe integration help eliminate medication errors. Staff process all medications from centralised pharmacy desktop portals, accessible from throughout your enterprise. All the information and tools needed are at a user's fingertips, including support for wireless pharmacist rounding on tablet PCs.

Imaging and Therapeutic Services

Our Imaging and Therapeutic Services software improves exam processing and reporting in Radiology, Mammography, and other departments that use textual result reporting methods. Highlights include:



- Roles-based desktop portals to streamline workflow
- Patient exam coordination
- Charge capture features
- Robust tracking capabilities
- Dynamic result reporting
- Comprehensive management reports and statistics
- Film and material maintenance
- Standard interface to other vendors' PACS
- Support for outpatient departments and therapies.

Document Management

Our Document Management solution enables your organisation to move toward a paperless environment by electronically capturing and storing information normally collected via paper. Point-of-care document scanning capabilities enable staff to quickly scan documents into the system, review the quality of images, associate documents with patient case notes, and incorporate the resulting digital documents directly into users' workflows. Outside digital documents can also be electronically incorporated into patient case notes via Enterprise Content Management (ECM) capabilities. Document Management enables your organisation to generate and maintain complete and secure charts and allows for permanent storage of computer-generated reports and scanned documents. Complete records can also be printed or burned to CD.

Central Stock Control Management

Your organisation can combine bar code scanning with our software to automate the stock control process from the point of delivery to the point of care. The system helps to facilitate the purchasing and receiving of stock and equipment, including analysing stock usage, managing equipment maintenance, and maintaining contract information.

Data Repository

Our Data Repository provides your organisation with an open environment for powerful reporting, along with decision support tools. By generating fast and easy reports through the Data Repository, your organisation can report on clinical, administrative, and financial data. These reports can be used to measure outcomes and determine how your organisation is performing according to NHS standards or other statutory or industry benchmarks. Third-party OLAP, SQL, and ODBC-compliant reporting software packages can all be used to display data in the most meaningful format, including customisable graphs, tables, dashboards, and traffic lighting. Your organisation can quickly see where benchmarks are being met and where improvements can be made. The integrity and consistency of the Data Repository database results from the tight integration inherent in our EHR.

Patient and Consumer Health Portal

The Patient and Consumer Health Portal actively engages patients in their care via a secure, confidential, web-based tool. Patients and their families can access health information and communicate directly with their providers. For example, patients can conveniently:

- Review and submit updates to their health records
- Request appointments and prescription refills
- Access discharge materials
- Pre-register for appointments
- Communicate with clinical staff in complete confidentiality.



Corporate Management Software

Large, centrally-governed healthcare organisations with multiple databases and facilities use this software to ease their processes for establishing and maintaining information networks. These organisations are able to build and manage system dictionaries centrally, rather than create and update dictionaries individually for each facility.

Financial Management Solution

A complete set of financial management software helps to ensure the operational efficiency and accountability of your organisation. Our software enables executives and managers to track trends and shifts in clinical, financial, and demographic activity. Ease of use, industry- standard access tools, and custom report features make these applications invaluable at all management levels. Highlights include:



- A General Ledger to support controlled and accurate bookkeeping
- Drill-down capabilities for viewing department-level detail
- Automated capture, storage, and retrieval of patient charge information
- Production of bills, statements, claim forms, and logs
- Tracking of receipts, adjustments, and refunds
- Budgeting and forecasting capabilities
- Executive management dashboards
- Accurate management of assets and their depreciation
- Reports and analysis tools to better monitor, project, and control costs.