

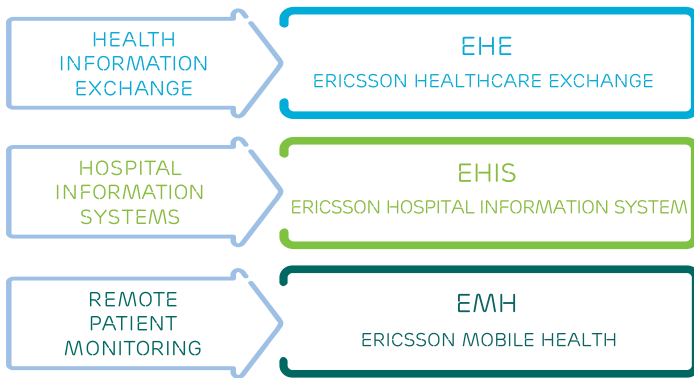
ERICSSON HOSPITAL INFORMATION SYSTEM

Ericsson Healthcare Portfolio

Today, healthcare delivery systems and organizations are facing many complex requirements for efficient and cost effective service delivery, while at the same time ensuring highest quality, secure and patient-centered healthcare provisioning.

Ericsson’s healthcare solutions aim to assist healthcare organization on all levels in the process of improving efficiency, timeliness, effectiveness, safety and service quality and focus on healthcare challenges that healthcare sector is facing today.

Ericsson’s health care portfolio consists of a plethora of services and products that range from standalone systems targeting specific health care services like Practice Management Systems, Hospital Information Systems or Mobile Patient Monitoring system up to comprehensive and integrated Health Information Exchange systems.



EHIS in a Nutshell

Ericsson Hospital Information System (EHIS) represents a comprehensive solution, designed for the integration of administrative, financial and clinical information and business workflows across healthcare provider ecosystem. EHIS modular approach makes it suitable for medical institution of any size from clinics to large hospitals.

The main function of the system is to integrate all processes in an institution, centralize all patient related data (medical and administrative) in one place and to provide easier communication among doctors, nurses and other hospital personnel.

EHIS supports everyday decision-making processes in treatment, and combines large amounts of medical and non-medical data.

Healthcare providers using HIS technology avoid unnecessary paper documents and build strong foundation for automation of the healthcare processes.

Depending on the institution, process complexities and needs, different modules of EHIS system are available for implementation.

Patient Management module enables healthcare providers to manage patients efficiently throughout a complete patient visit to a hospital or an outpatient clinic.

At the beginning of a patient visit, EHIS provides comprehensive patient registration, identification and admission process where all demographics and insurance data are collected, in the most effective way. If it is about a returning patient, EHIS enables seamless patient identification and access to a patient’s data existing from previous visits.

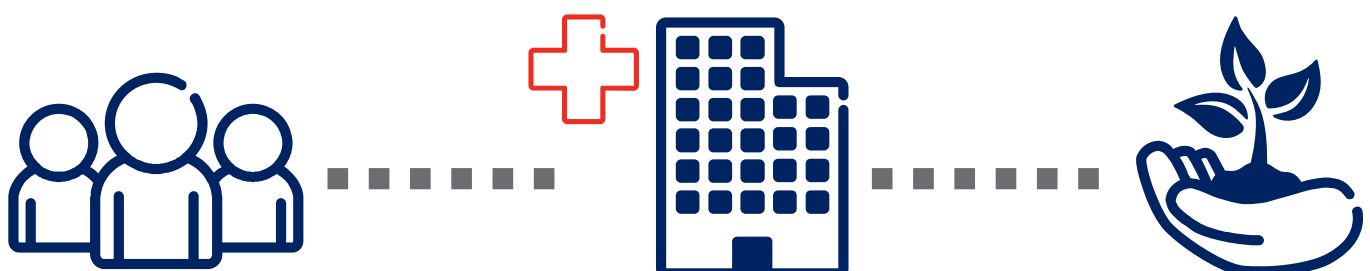
After a patient is admitted, EHIS provides comprehensive patient transfer, scheduling and ordering mechanism that improves hospital operational efficiency, helps hospital personnel in the everyday work, and improves patient satisfaction and experience by lowering delays and miscommunication in sharing patient’s information from various stages of a patient visit.

At the end of a patient visit, the patient management module helps with both medical (creating discharge letters, follow-up care plans and reports) and accounting tasks, by using data collected by the system automatically, during a patient visit.

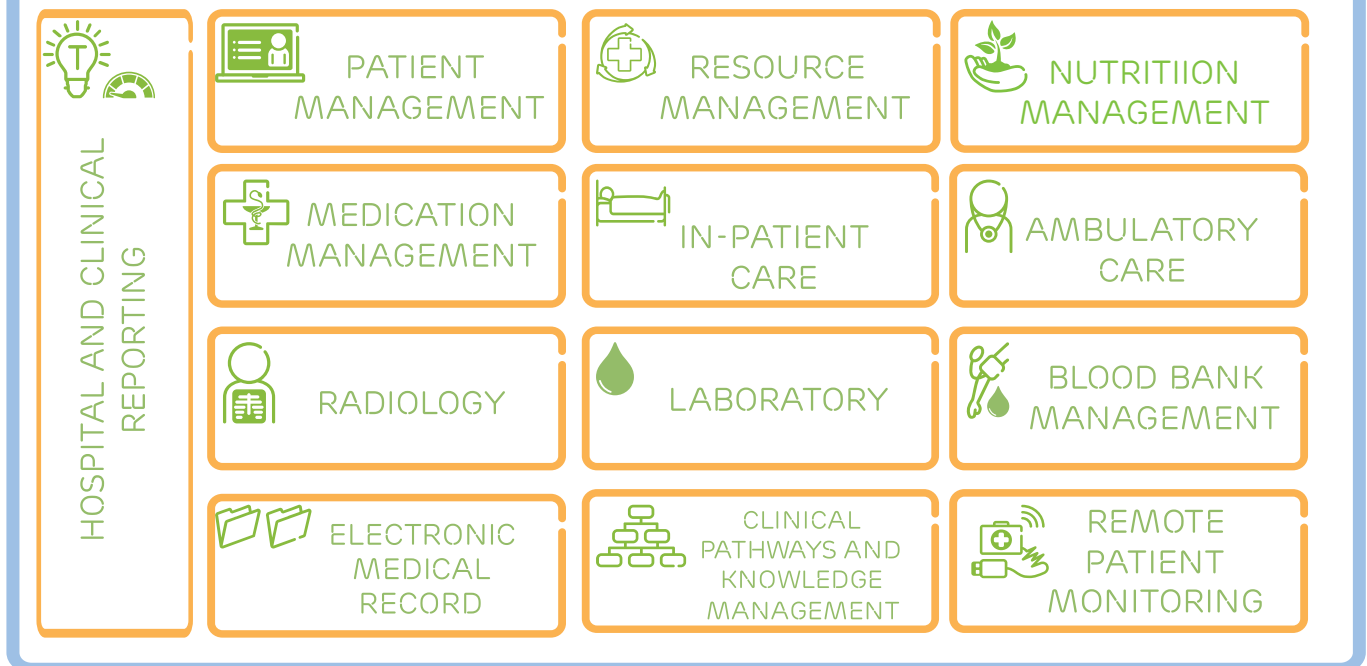
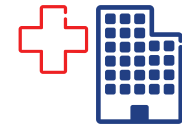
By combining efficient patient management and **Resources Management**, for both human (doctors and nurses) and material resources (MR machines, ECG, CAT, etc.) EHIS improves hospital efficiency through allocation of each patient to the proper healthcare resource.

The **Centralized Medication Management** for each patient helps hospital personnel to avoid medication errors related to misinterpretation of prescriptions or inappropriate medication prescribing caused by contraindication related to allergies, age or drug interactions.

The Electronic medical record, together with **Radiology** and **Laboratory** clinical modules, enables storage of all clinical data for each particular patient. Collecting data on any patient visit makes a complete patient medical history available to healthcare providers. Thus, the quality and efficiency of a patient care is improved.



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In-patient and Ambulatory Care modules are tailored to meet special needs of each department in a hospital or an outpatient clinic and enable efficient patient care for patients staying in a hospital as well as patients in an outpatient clinic. Using CPOE (Computerized Provider Order Entry) feature physicians and nurses can submit electronic orders and get electronic results for various exams, lab tests, radiology exams, specialist consultations and second opinions, and medications.

Using Ericsson Mobile Health remote patient monitoring device, in combination with **Remote Patient Monitoring** module, enables healthcare professionals to collect good quality clinical information even if patient is not in a medical institution, as well as to store these data directly in a patient Electronic Medical Record. This is especially suitable for clinical trials and medical therapy management.

Integrating EHIS with other healthcare systems, by using HNIS, Ericsson health information exchange solution, enables healthcare professionals to exchange safely patient medical information with other healthcare providers, if needed.

BASED ON DATA STORED WITHIN THE SYSTEM, HOSPITAL AND CLINICAL REPORTING MODULE provides wide variety of predefined reports that helps healthcare provider management to acquire relevant information for improvement of business processes and cost reduction. Using EHIS comprehensive Clinical reporting system medical staff can get insight into healthcare trends and provide continuous, patient-oriented and evidence based medical care.

EHIS Benefits

EHIS forms the basis for automation of a healthcare provider business and supports all processes including the specifics of all departments and outpatient clinic centers. Implementing and using EHIS can improve processes and efficiency of the healthcare provider in many aspects such as:

- Controls the movement of information and business processes in hospital
- Highly reliable and secure management of business transactions in hospital
- Control and management of expenses, cash flow and resources in hospital
- Efficient collection and sharing of clinical information in compliance with security policy and authorization rules
- Automatic data processing with significant error reduction
- Availability of medical and administrative information regardless of time and location
- Ensuring security, privacy and confidentiality

EHIS internet oriented architecture enables usage of hospital information system as a service (Software as a Service) by implementing all components of the system in one central location.

Using the system as a service, significantly simplifies introduction of information technologies, lowers non-medical costs and enables exchange of patient related information among all healthcare institutions that uses the system.

Ericsson

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Ericsson offering comprises services, software and infrastructure within Information and Communications Technology for telecom operators and other industries. Today more than 40 percent of the world's mobile traffic goes through Ericsson networks and Ericsson supports customers' networks servicing more than 2 billion subscribers. Working in 180 countries, more than 100,000 employees generated revenue of USD 35 billion (SEK 226.9 billion) in 2011. Founded in 1876 with the headquarters in Stockholm, Sweden, Ericsson is listed on NASDAQ OMX, Stockholm and NASDAQ New York.

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E-Health – Healthcare Information Systems

Industry and Society

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