



eRepository

A window on the patient's medical history

eRepository is the Exprivia solution for archiving and sharing electronic clinical documents produced in contacts between patients and hospitals or healthcare facilities during the diagnostic and therapeutic process.

eRepository allows complete visibility of all types of documents produced by the applications used by the healthcare facility.

The information collected - clinical data, diagnostic images, biometric traces and reports from diagnostic services (analysis laboratory, radiology, pathological anatomy) - become part of the repository which will then be easily consulted.

eRepository contains the patient's medical history, and makes available results, images, documents and any other information on the clinical activity, useful for patient care.

The solution is based on html5 web technology that allows maximum usability, both inside and outside the healthcare facility, guaranteeing access security and respect for privacy.

The multimedia repository that Exprivia has created aims to optimize the search for information, to ensure continuity of care inside and outside the hospital, allowing departments and health services to manage and electronically distribute images and reports, with considerable time and cost savings.

eRepository allows you to consult online documents of federated health structures.

eRepository is designed to be used as a platform operating at an intra-hospital level, or in an inter-hospital configuration, allowing the collection of patient data regardless of the healthcare facility where the citizen goes, and enriching his clinical profile with all information concerning him.

As far as operators are concerned, the immediate availability of diagnostic images and clinical documents in the ward creates new value for healthcare personnel and allows greater timeliness in clinical decisions.

With reference to the reduction of the clinical risk for the patient, **eRepository** is able to track the accesses to the published reports and, in case of re-edition of the same, to propagate email messages or SMS alerts.



Integrated management of clinical data and data access

eRepository allows heterogeneous data (diagnostic images, documents in text format, etc.) coming from different systems (laboratories, radiology, etc.) to integrate homogeneously within the repository. Communication between **eRepository** and diagnostic and clinical services is based on international communication and interoperability standards:

- **DICOM** - full support for DICOM classes for images, ECGs and structured reports;
- **HL7** - HL7 messaging support for feeding the flow of data from ADT, the single booking centre, LIS and CIS to the Repository;
- **IHE-XDS** - certified support given to the IHE, XDS and XDS-I Registry and Repository profiles, in addition to the personal data profiles;
- **ebXML** - support of interoperability standard for eBusiness and opening to the administrative-management systems.



Access to data by **eRepository** is available via browser, and this has several advantages:

- it can be invoked, through simple web API integrations, by other company procedures, such as HIS, department folder, etc.;
- it allows the visualization of the documents produced regardless of their format (pdf, Dicom images, etc.);
- it is independent of the operating system used (Windows, Linux, MacOS);
- it takes place in secure https mode, ensuring security in the activation of the viewer and in the transmission of information;
- it allows privilege management for different user profiles - for example, a general practitioner will be able to consult the list of reports of his patient and view further diagnostic documents (images, ECG, etc.).



Distinctive elements

High configuration

The **eRepository** engine has a powerful scripting language that allows it to be configured according to the user and his privileges, characterizing both the search parameters and the list of fields displayed for each clinical document.

Trend management of values

The solution has implemented clinical value trend management using a graphical view of the lapse of time through specific information classification methods.

FHIR interoperability

eRepository integrates the interoperability standard of health data capable of allowing the transversal use of structured data from different sources and allowing granular access to information by connecting to visualization tools, machine learning and artificial intelligence.

The products: eArchive, eLifeCare, eRis/eVisit, eViewer, eWard, MedStation are CE⁰⁴⁷⁶ (93/42 / EEC) certified Medical Devices of class IIA.

The complete list of certified model versions can be obtained by contacting Exprivia.

eRepository is included in the e4cure suite in the AGID catalogue of qualified SaaS services.