



expt<sup>via</sup>

eLifeCare  
The Telemedicine  
platform of the  
e4cure Suite

future. perfect. simple.





## Telemedicine Solutions and Services

**eLifeCare** is the Telemedicine platform that contains the set of solutions and services provided by Exprivia for Teleconsulting, Telereporting, Telepresence and Telemonitoring to support all operators involved in the care and monitoring of the patient at home.

The **eLifeCare** platform revolutionizes the approach to home patient care in that it provides the technological infrastructure and all the services necessary for the full, integrated management of all the care-giving processes and services, accessible and usable from any kind of device:

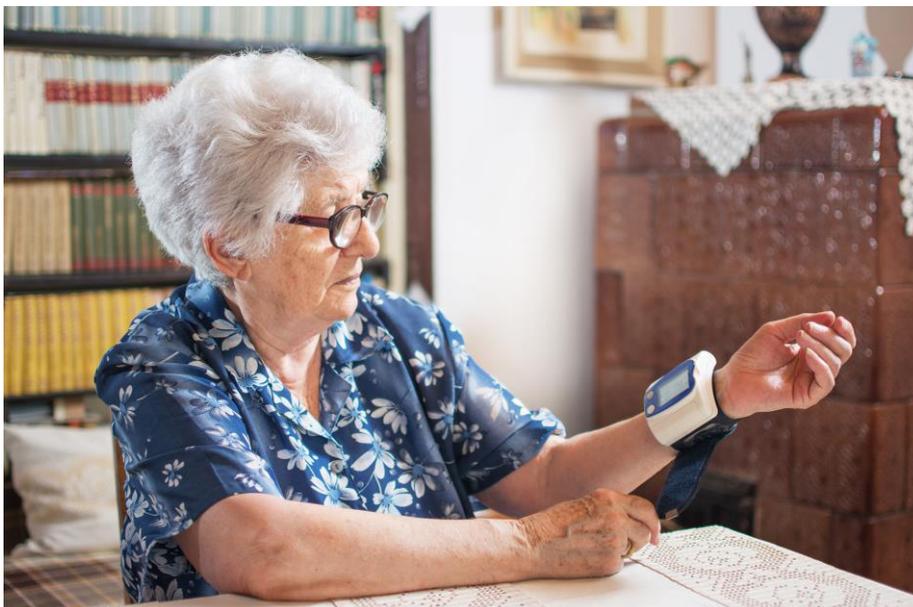
- Remote monitoring
- Telemedicine and Teleconsulting
- Medicinal product procurement monitoring
- Reporting and filing systems
- Patient's medical history in health dossiers and electronic folders



**eLifeCare** accepts the new Digital Health challenge that puts the patient at the centre and guarantees continuous services that improve quality of life and, at the same time, help to limit the costs of the local health authorities and hospitals by removing the patient from hospital.

### Scenario of use

- The **patient** at home has monitoring instruments and wearable technology, and is constantly monitored from a remote location
- A **control room** coordinates and monitors the patient's care at home through active interaction designed to detect the care needs and critical factors involved in the care
- The platform provides the operators involved with the information about the patient by opening a **clinical record** (medical history, clinical diary, treatment, vital parameters, etc.)



- The control room acts as an intermediary: it receives any requests and/or alerts sent by the patient after the measurement of specific vital parameters, activates specific operating protocols, by starting Teleconsulting or Videoconsulting sessions with the specialists that are following the patient
- Using the platform, the **specialist** views the patient's clinical documentation and manages the care pathway.

# The components of the eLifeCare platform

## Monitoring and coordination solutions

The platform is based on a **WebApplication** used by the Control Room operators to monitor and manage all patients in real time, acting as an operating intermediary between the patient and the medical team or specialist that is following the patient.

The same **application** can also be used on a smartphone or a tablet by specialists that can access the platform to consult the clinical record data on the treatment, vital parameters, etc. and, if necessary, modify the treatments, sharing specific treatment protocols and consulting any reports in support of the treatment.

The screenshot displays the 'Patients Management' section of the eLifeCare platform. On the left is a dark sidebar with the 'LIFECARE' logo and a 'MENU' containing 'Worklist', 'Operative Procedures', and 'Control Panel'. The main area has a 'Logout' button in the top right. Below the title 'Patients Management' is a search bar. The main content is a table with the following data:

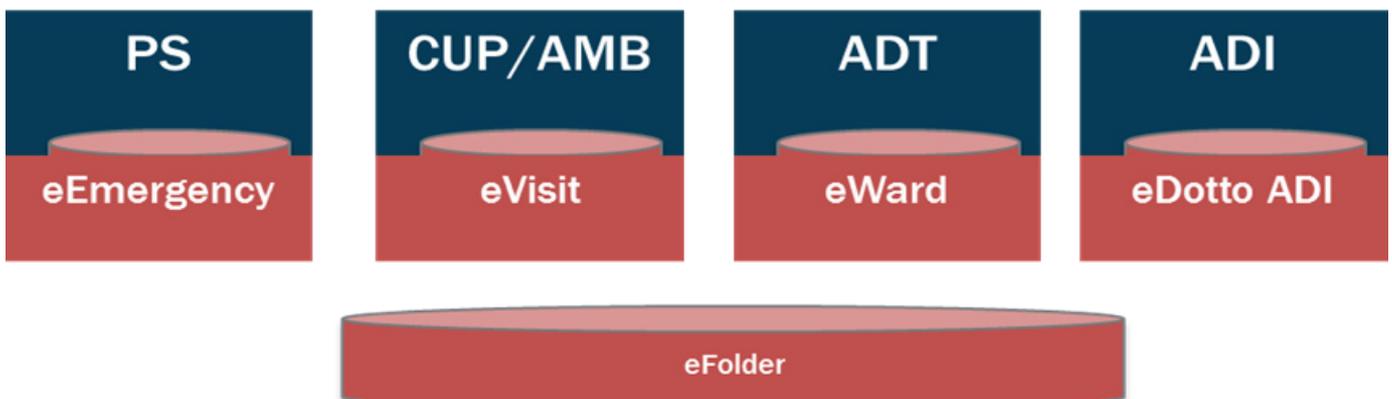
LASTNAME FIRSTNAME	FISCAL CODE	DATE OF BIRTH	MARKERS
Abate Tsigereda	BTATGR84H45Z368D	05/06/1984	User Profile, Medical Records, Care Plan, Treatments, Medical History, Clinical Examination, Vital Signs, Clinical Diary, Medical Reports, Geolocation, Videocall, Alert
Bellifemmine Gioacchino	BLLGCH33B01Z115E	01/02/1933	User Profile, Medical Records, Care Plan, Treatments, Medical History, Clinical Examination, Vital Signs, Clinical Diary, Medical Reports, Geolocation, Videocall, Alert
Bitonte Ernesto	BTNRST73L31B180U	31/07/1973	User Profile, Medical Records, Care Plan, Treatments, Medical History, Clinical Examination, Vital Signs, Clinical Diary, Medical Reports, Geolocation, Videocall, Alert

## Clinical record solutions for Continuity of care

The clinical record designed by Exprivia is based on a **single clinical management system**, called **eFolder**, for **all care episodes**, at the service of **all clinical operators**.

The **eFolder** set of clinical functions (diaries, pharmacotherapy, measurements, graphics, alerts) are supplemented with the specific functions of the operating environments, but the **clinical data is in a single cross-episode database**.

The Exprivia record therefore supports all episodes continuously, at the service of the various clinical operators and in the different settings.



# Telemonitoring and Teleassistance Solutions

The **eLifeCare** platform has specific mobile applications for use by the patient that support **active participation of the patient himself**, the care giver or the home team and that permit remote management of:

- Care giving at the patient's home on the basis of the programme indicated in the Care Plans
- Measurement of vital parameters
- Videoconsulting sessions
- Patient geolocation
- Administration of pharmacological treatment
- Medicinal product procurement requests

## Teleconsulting

**RadFlow** is a module of the **eLifeCare** platform in support of the doctor teleconsulting flow and the related document flow, which includes reports, images, films and biometrical signals of the patient, made up as follows:

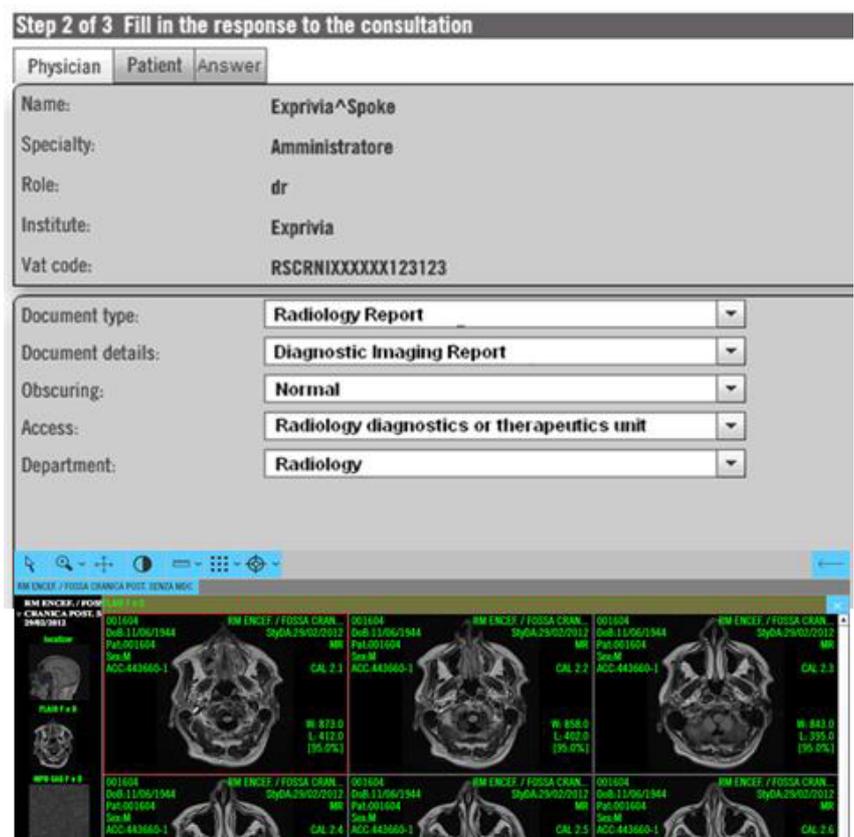
- Teleconsulting service request and provision management network
- Wide range of objects supported (PDF and XML/CDA2 documents, Dicom and non-Dicom images and videos, ECG, etc.)
- Flexible setup environment for creating request and report forms
- Alert systems for emergencies (sms, email)
- Digital signature for requests and reports as well as complete tracking
- Full compliance with the IHE standards (Dicom, XDS)
- Integration with diagnostics (CT, RM, etc.) and/or PACS Direct equipment systems (CT, MRI, etc.)

The typical Teleconsulting flow produced using **RadFlow** can be summed up as follows:

- Create a new case and view the previous ones
- Locate the patient or report on the local PACS
- Check the report and the diagnostic images
- Fill in the Teleconsulting request
- View the request and the diagnostic images
- Fill in, sign and send the report

Using the Teleconsulting function, you can obtain:

- Significant reduction in care-giving and decision-making times
- Reduction in patient transfers
- Ward bed occupation optimization
- Better medical team management
- Offer of Telediagnosis services between GPs and specialist centres
- Filling of regional reference registers
- Extension of the platform to broader scenarios



The software eWard – eFolder 2.1 CE , and subsequent releases, is a certified Medical Device (93/42/CEE).

The e4cure MedStation 5 CE 0476 - eArchive 4.8 – eRis 1.9 - eVisit 1.9 suite, and subsequent releases, is a certified Medical Device (93/42/CEE) of class IIA.