



# Novel approach for improvement adherence to medical plans, medication and management of Bioresources and Pharma

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## Introduction

Outsourcing and/or territorial centralization of testing, at least in the routinely setting is becoming a consolidated trend in healthcare government. A non-coordinated fragmentation process between the various stakeholders, may introduce elements of uncertainty in clinical decision and determine relevant delays in the therapeutic actions, with an increase of the costs for the health care system. This project will allow to harmonize the different actions of the various stakeholders and to gather information useful to assess the level of service provided. These will be possible by a novel information flows for the benefit of various stakeholders in the process and an innovative model for improvement adherence to medical plans and medication.

### Partnership

Partnership is composed by Emilia Romagna Regions' Research and Healthcare Institutes:

- IRCCS Istituto Ortopedico Rizzoli,
- IRCCS Arcispedale S.Maria Nuova,
- IRST Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori,
- IRCCS Istituto delle Scienze Neurologiche di Bologna
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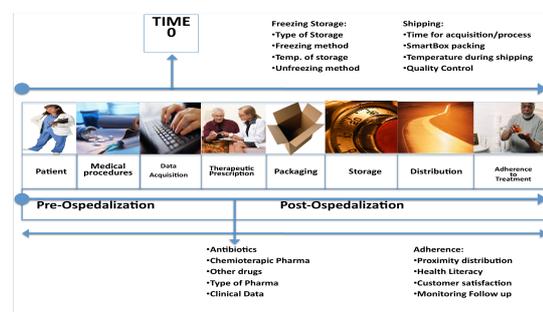
The collaboration is based on good practices already developed by partners with regard to medication assistance, medication supervision and Health Literacy. They are in fact already in use appropriate technologies for traceability of information logistics and temperature, trace software that govern the information of clinical pathways and therapeutic care of patients, training on Health Literacy for communication with the patient. Moreover partnership has the strength to accept the provision of technological changes and innovations resulting from the development of new clinical care models that address the integration between hospital and territory. Finally, the multidisciplinary approach and the broad spectrum of diseases treated, neurological, orthopedic and oncology, will ensure the government of highly complex cases from pre-to post-ospitalization.

### Results

Reduct inappropriate prescription and in general the number of patients inappropriately polymedicated.  
Tracing of the complete life cycle of Pharmacological therapy and the results of carrying out clinical tests and adherence to prescription  
Adoption of the necessary safety criteria for the management of therapies and the related clinical data  
We will start from clinical data and patients behaviour to implement best practices and guidelines for ageing-diseases (Bottom-Up Strategy)  
Implementation of appropriate support programmes (Health Literacy), tools and educational materials to address adherence for different target groups.

### Scalability/Transferability

Identification of risk factors affecting health status led us to improve the lifestyle in target groups. Evaluation of adherence rates to therapies used for chronic diseases in older patients by use of patients' databases and Performing observational studies based on drug prescription databases assess specific adherence issues and contribute to the sustainability of services. IT tools combined with Logistic/Automation and innovative technological equipment for hospital and home care boost the competitiveness. Final aim is to reduced health and care costs by improving accessibility and quality of care of target groups in given regions



### Type of Innovation

Create IT platforms, in Cloud Environment, that provide patients with feedback about their disease, its progression, and the success of interventions to improve function and quality of life and promote real time information exchange between patients, hospitals and pharmacist, Novel technological individual packaging and medication devices older friendly used both from hospital and patients. Use IT databases and novel methods for population stratification in order to develop an innovative personalized therapy programme to improve adherence to treatment. Create an innovative Integrated Logistic Platform for Bio-samples (BS) and Pharmaceutical products (PH) delivery and storage for quality monitoring. and certify. Customer satisfaction evaluation of the provided services

