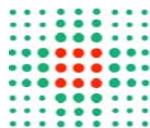


WHO?

Partnership is composed by:

- **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**
- **Alma Mater Studiorum, University of Bologna**



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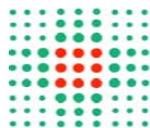


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WHO?

The collaboration is based on:

- **good practices** already developed by partners with regard to medication assistance
- already in use **technologies for traceability** of
 - ✓ **Information**
 - ✓ **Logistics**
 - ✓ **Temperature**
- **trace softwares** that govern the information of clinical pathways and therapeutic care of patients,
- training on **Health Literacy** for communication with patients.



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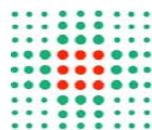


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WHO?

Partnership presenting:

- ✓ **technological innovations**
- ✓ **new clinical care models**
- ✓ **integration between hospitals and territories**
- ✓ **multidisciplinary approach**
- ✓ **broad spectrum of diseases treated** (neurology, orthopedic and oncology)
- ✓ **case-mix of ospedalization and post-ospedalization**



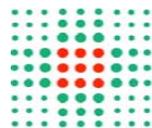
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WHAT?

- **Reduction of inappropriate prescription and in general inappropriately poly-medicated patients.**
- **Tracing 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**



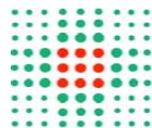
WHAT?

- 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**
 - ✓ **Educational materials**

to address adherence for different target groups.



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HOW?

- Create **IT platforms**, in Cloud Environment, that provide patients with feedback about their disease, its progression, and the success of interventions
- Create **IT tools** 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** (old people-friendly) for hospitals and patients.



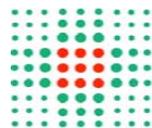
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HOW?

- 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.
- Improving **Health Literacy**
- **Customer satisfaction** evaluation of the provided services



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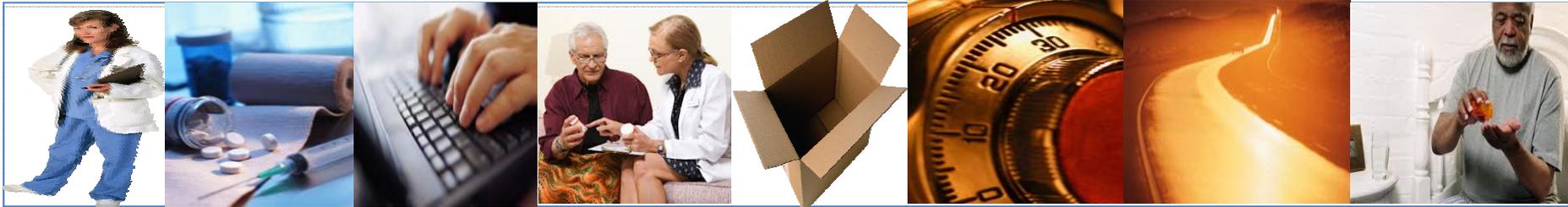
**TIME
0**

Freezing Storage:

- Type of Storage
- Freezing method
- Temp. of storage
- Unfreezing method

Shipping:

- Time for acquisition/process
- SmartBox packing
- Temperature during shipping
- Quality Control



Patient

**Medical
procedures**

**Data
Acquisition**

**Therapeutic
Prescription**

Packaging

Storage

Distribution

**Adherence
to
Treatment**

Pre-Ospedalization

Post-Ospedalization

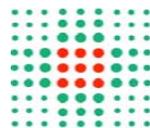
- Antibiotics
- Chemioterapic Pharma
- Other drugs
- Type of Pharma
- Clinical Data

Adherence:

- Proximity distribution
- Health Literacy
- Customer satisfaction
- Monitoring Follow up

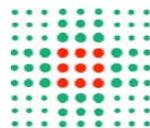
WHY?

- **Identification of risk factors** affecting health status led us to **improve the lifestyle** in target groups.
- Evaluation of adherence rates to therapies in older patients by:
 - ✓ **use of patients' databases**
 - ✓ **observational studies**
- Based on drug prescription databases:
 - ✓ Assess specific **adherence** issues
 - ✓ contribute to the **sustainability** of services.



WHY?

- **IT tools** combined with:
 - ✓ **Logistic/Automation**
 - ✓ **Innovative technological equipment** for hospital and home carecan boost the **competitiveness**
- Final aim is to reduced health and care costs by improving
 - ✓ **Accessibility**
 - ✓ **Quality of care**of target groups in given regions



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WHERE?

City of Bologna health care system:
Zero miles

Area Vasta Romagna:
Low Miles

Integrated Logistic between Reggio
Emilia and Bologna:
Long Miles



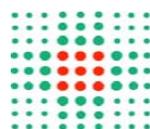
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WHEN?



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