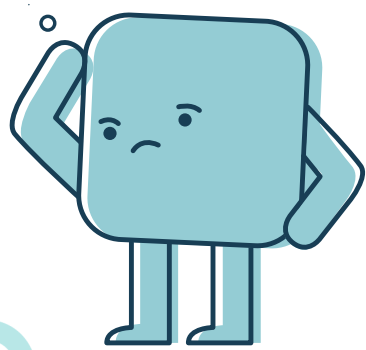


Virtual assistant for continuity of care



The ageing of the population in Europe goes hand in hand with physical and cognitive deterioration; 31% of older people either live on their own or in isolation. They are facing a double threat: the experience of living alone and of subjective loneliness often entails a set of negative feelings, which can bring serious repercussions for health.

PROBLEMS



- Constraints and difficulties related to personalized care plans: time and resources are limited, and there is no systematic way to monitor people when they are not in a clinical setting
- Complexity (and / or lack of effectiveness) of Therapeutic Decision Support Systems: professionals need to resort to different tools, data are not integrated and it is complicated to use them to support decision making on therapeutic plans, patients' monitoring cannot be increased without creating professional overload.

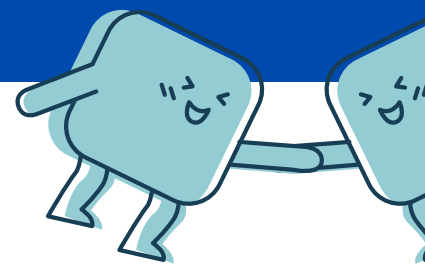
OBJECTIVES

- Assist healthcare professionals with innovative intervention tools that can be managed remotely
- Empower and assist patients with ICT-driven personalized care
- Provide discrete follow-up while guaranteeing independent living for older people

THE SOLUTION

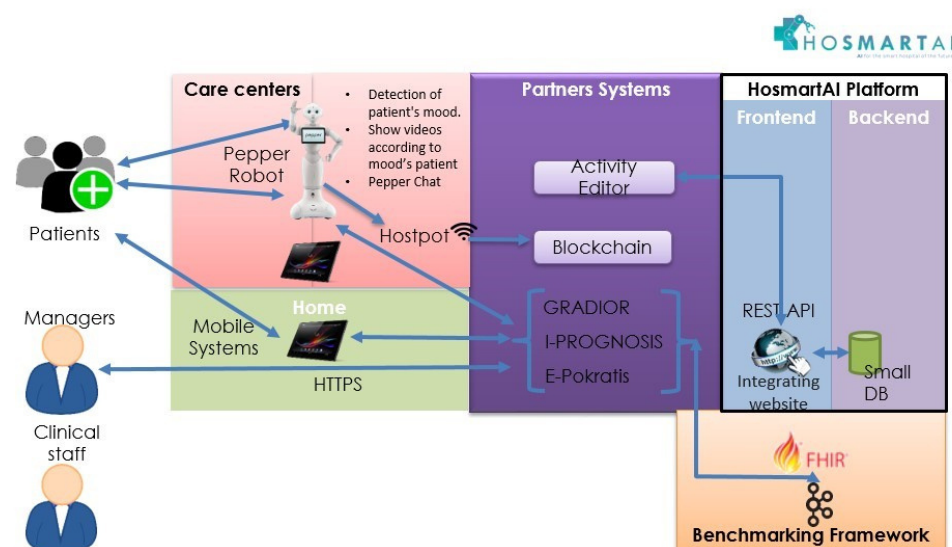
The solution, Virtual Coach for Continuity of Care, will serve as a **screening and intervention tool, to detect and prevent** cognitive deterioration and to plan and follow rehabilitation. The **Virtual Coach** consists of:

- **3 functional technologies:** GRADIOR, supporting cognitive training, screening, stimulation, rehabilitation (the system collects data through the intervention sessions and designs personalized treatments according to the level of cognitive deterioration); iMAT app, allowing smartphone camera-based measurement of the motor capacity of patients while they perform pre-specified motor assessment exercises; e-Pokratis smartwatch telemetry, supporting the Oxygen, saturation, Temperature, Blood Pressure, Heart Rate measurements
- **1 Activity Plan Editor** to create and upload motivational content
- **1 Web Integration** component to allow access to data, modification of therapeutic plans and results
- **2 horizontal features:** Interaction interface with tablet or Pepper Robot; data trustworthiness and traceability.



VALUE PROPOSITION

The Virtual Coach allows therapists to base their daily work on a dynamic “Prevent-Detect-Connect” chain while, at the same time, it guarantees that older people will benefit from the 4 key factors of Active and Healthy Ageing, namely: Health, Safety, Avoid Loneliness, Keep Learning.



MARKET

Healthcare: Care centers, Clinic / Neurorehabilitation, Innovation Public Procurement platforms
Industry: Healthcare insurance providers

BENEFICIARIES

Elderly people in care centers and living at home, Professionals working in social & healthcare centers, Managers, Data users: decision makers and researchers.

SOLUTION PROVIDERS

Main solution

provider:

ITCL / AI, Social Robot

– Contact: Silvia

Gonzalez

(silvia.gonzalez@itcl.es)

Providers of synergic services:

GC / Blockchain – Contact: Pauline

Loygue (pauline.loygue@green-

communications.fr); INTRAS/

Gradior, AUTH/ I-MAT, TMA/e-

Pokratis – Contact: Philip

Sotiriades (philsot@telemed.gr)

Hosting facility:

Fundación INTRAS –

Contact: Rosa Almeida

(rra@intras.es) & Diana

Marques

(diana.marques@intras

.es)

