

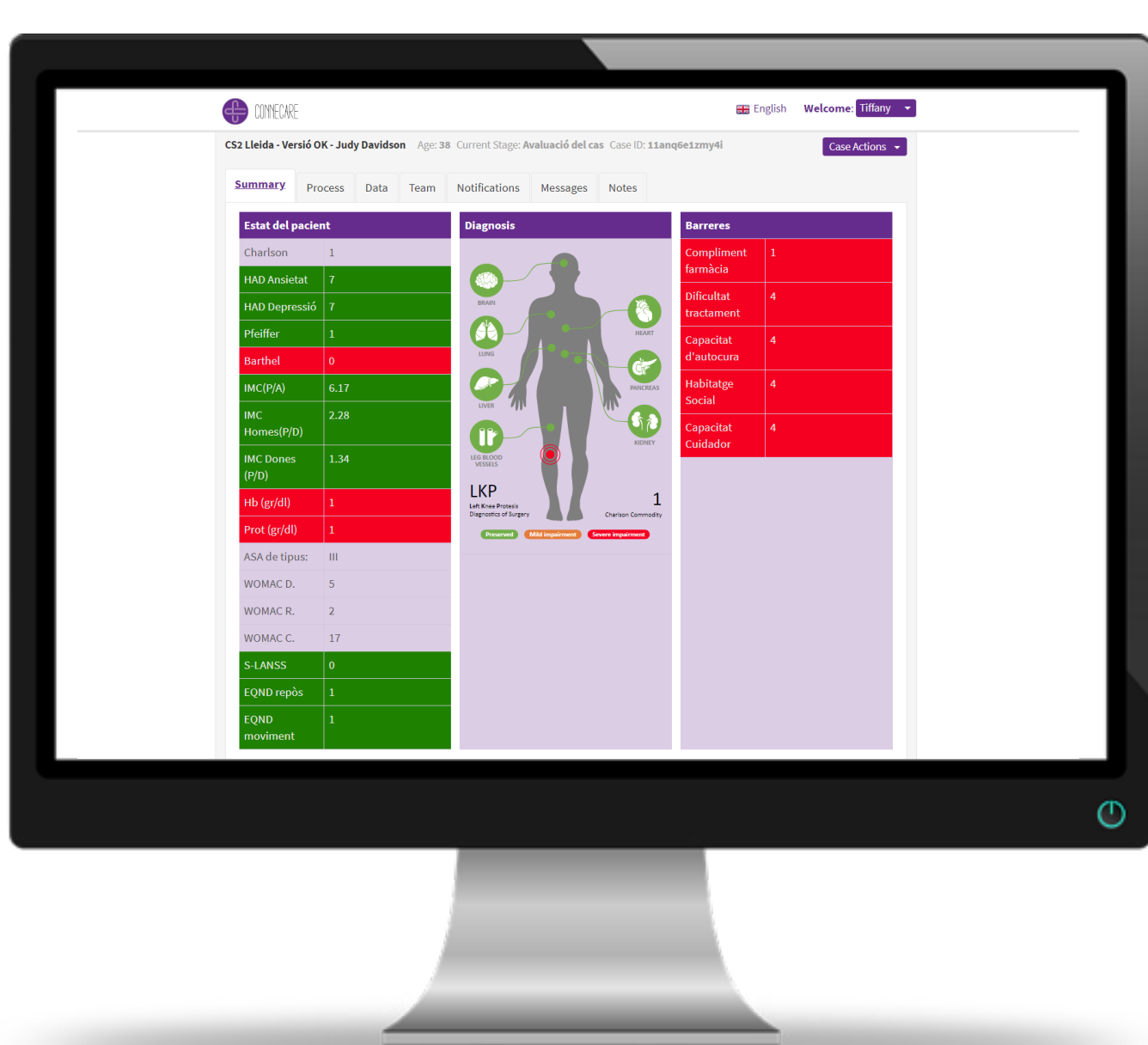
Enhancing the value of care to people

How innovations meet end-users' needs in integrated care contexts

ENHANCING VALUE OF CARE TO PEOPLE

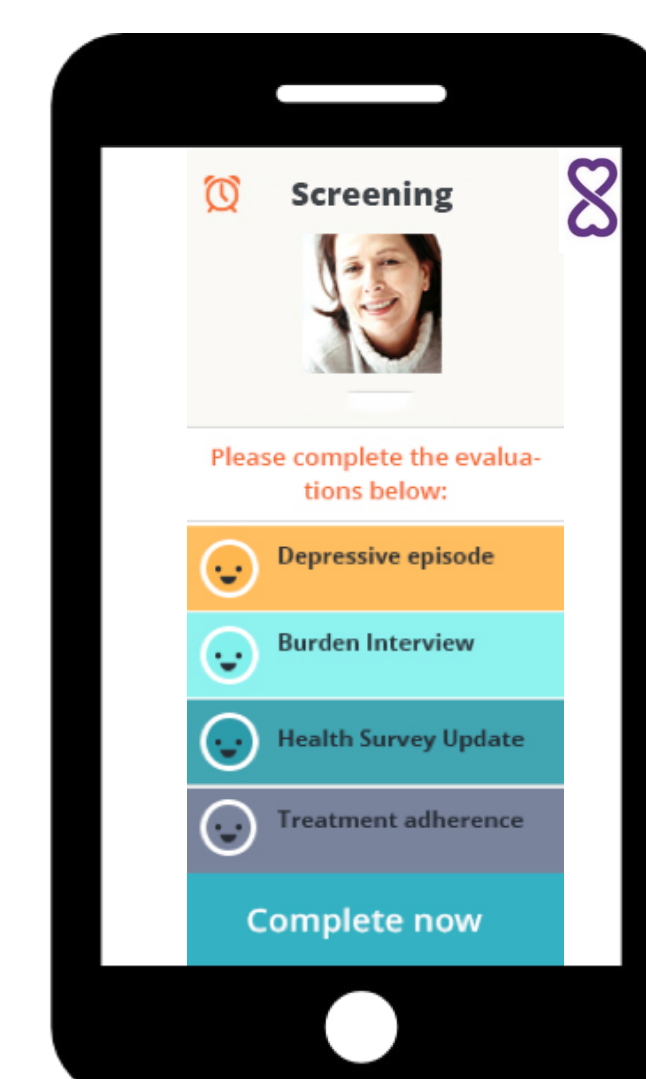
In 2015 the European Commission funded 5 projects under the H2020 call SC1-PHC25. The aim of the call was to develop innovative solutions to improve and advance **home-based integrated care** for people suffering from **chronic conditions**, including co-morbidities. The solutions progressed by the 5 funded proposals (Polycare; CONNECARE; ICT4LIFE; CaregiversPro-MMD; ProACT) address this call to advance digital integrated care increasing citizen's independence and quality of life, allowing them to remain in their own homes, **supported by families, care-givers and health professionals**.

The technology development approach shared by the projects is based on **strong co-design and development research methodologies with end-users**, to ensure solutions offer a **personalised model of care**. Presently solutions are involved in **proof of concept trials** in sites across the EU.



PATIENTS', PROFESSIONALS', AND CARERS' EXPERIENCE

The technologies have been developed involving end-users during **iterative design and testing approaches**, to better respond to citizen and health, community and social care service needs. Preliminary results indicate a positive response from **end users** to the solutions provided. However challenges to the design, development and implementation of the technology are present due to the complexity of multiple disease management, especially for persons with dementia and acute conditions. Initial outcomes have also highlighted the positive influence of previous ICT knowledge on the acceptance of the new tools. Overall early findings indicate **patients** reported improved **self-management**, **carers** felt **reassured** and **more autonomous**, while **health professionals** experienced improvements in **coordination of care**.



IMPROVING INTEGRATED CARE SYSTEM EFFICIENCY AND HEALTH OUTCOMES

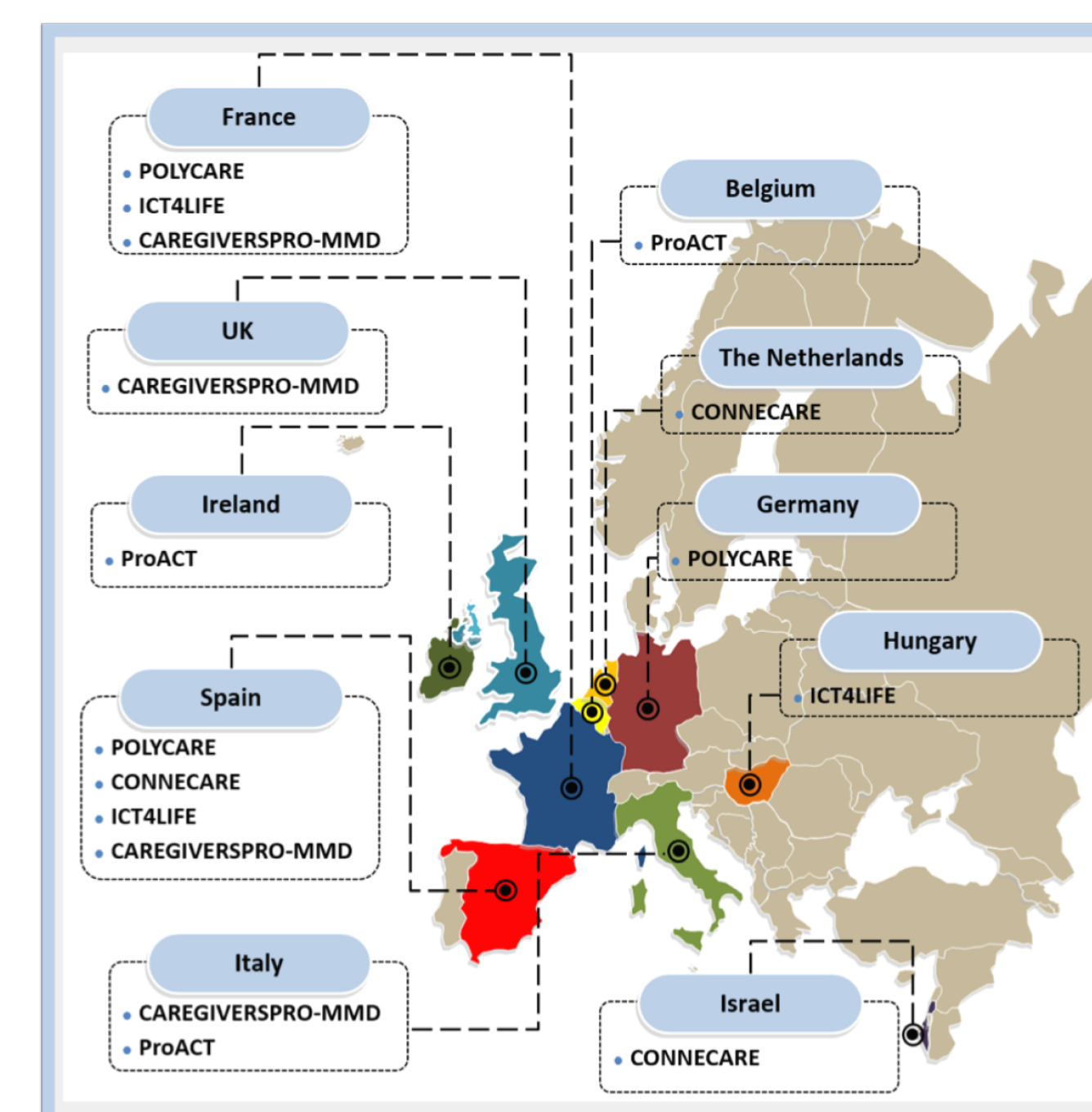
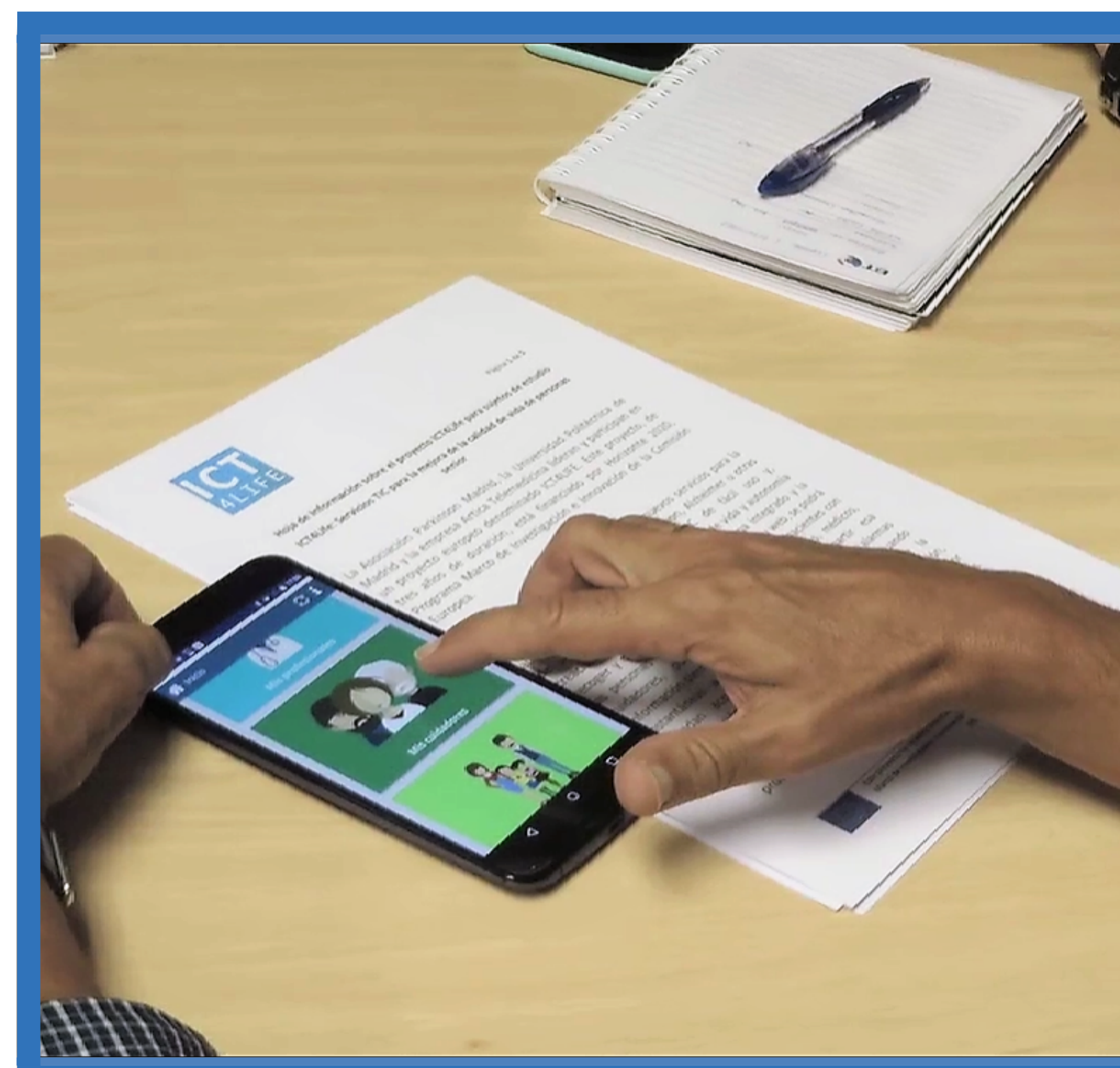
Improved integrated care systems rely on **data sharing** and **continuous communication** flow among the actors involved in the care of patients. **Information sharing** supports care efficiency which led in turn to **cost-effective treatments** and **coordination of care** among social and health actors.



Real-time, proactive and early interventions prevent adverse events while promoting patients' independency and safety.

Effectiveness of care and better health outcomes are supported by the adaptation of systems to local contexts, which is crucial given the differences in terms of health and social care provision in the European regions.

The monitoring of disease evolution and symptoms through the **interaction of the patients with the platform** allows for **personalised and adapted care-plans**. Patients have a better understanding of their conditions and decide whether they need to visit care centres.



FINDINGS ON THE COST EFFICIENCY

The projects propose solutions aimed at addressing the challenge of developing **cost-effective systems** in several dimensions:

- Hospital admissions should be reduced and care-givers supported in performing their tasks thus allowing more effective care provision;
- The platforms contribute to better coordination of care and real-time communication among the stakeholders involved, allowing a more effective tasks distribution.

However, cost-effectiveness analysis will be developed after pilots as it will be based on real data.

The **flexibility of the platforms** enables cost-effective personalisation to other scenarios after project ends, and especially adaptation to other diseases and domains. The adaptability will help to improve real practice deployment of integrated care and will contribute to transfer new methods and technologies to other regions in EU and beyond.

The provision of **self-management interventions** empowers patients and their care-givers to take control of their situation, by improving their quality of life and by allowing them to share experiences with people in the same situation.



"The projects leading to this application has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No 690367 (POLYCARE) - 689802 (CONNEXARE) - 690090 (ICT4LIFE) - 690211 (CAREGIVERSPRO-MMD) - 689996 (ProACT)"

