

■ ICT4Life AT A GLANCE

The objective of ICT4Life consists in implementing an **innovative platform** that connects **patients, families, health professionals and care-givers** through user friendly tools, using results of a research on emerging technologies. The platform is aimed at facilitating **patient empowerment**, supporting care-givers and establishing cooperation channels within professionals for **integrated care**.



■ PARTNERS



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ICT4LifeProject



ICT4Life European Project

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*ICT services for Life
Improvement for Elderly*



*ICT4Life supports independent life for people
suffering of Alzheimer's, Parkinson's and
other dementias.*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 690090

■ CONTEXT

With an increasingly growing population in Europe, Parkinson's disease, cognitive impairment and dementias, like Alzheimer's disease, represent major social and health challenges.

People suffering from these conditions face difficulties in managing their daily life when it comes to self-care and living independently in their own homes.



Families, health professionals and care-givers need to be strongly supported, while public authorities, policy makers and businesses need to maintain financial sustainability of the European healthcare systems, ensuring the highest quality of care.

New services for integrated care employing user-friendly ICT tools will increase patients' quality of life and autonomy at home, supporting care-givers' work at the same time.

■ SNAPSHOT

ICT4Life is a three-year project co-financed under **Horizon 2020**, the EU Framework Programme for Research and Innovation. The motivation behind ICT4Life comes from the need to find solutions aimed at developing the concepts of **self-care, active patients and integrated care**. The research will ultimately bring to the implementation of a platform which will deliver a series of **innovative services**, targeting not only the patients and their families but also health professionals and care-givers.

FACTS & FIGURES

In the World there are 44 million people living with Alzheimer's disease and other forms of dementia. This figure is set to almost double by 2030 and more than triple by 2050.

**In Europe:
50% of people older than 80 years live at home. The direct costs of dementia were estimated at 0.5% of GDP in 2009.**

People with Parkinson's disease and Alzheimer's disease and other forms of dementia; health professionals and formal and informal care-givers constitute the groups of users ICT4Life will focus its analysis on.

■ INNOVATIVE ASPECTS

ICT4Life project will provide a new model of **integrated care** shifting from reactive service delivery to preventive, proactive and patient-specific care.

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ICT4Life intends to offer personalized models focused on early prevention, independence and wellbeing of senior citizens, especially when they live by themselves.

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■ EXPECTED RESULTS

- ◆ ICT4Life will implement an innovative platform delivering services increasing the quality of life and autonomy of old people in their own homes, nursing homes, day care centres and hospitals.
- ◆ This solution will support health professionals, formal and informal care-givers in the provision of integrated care to people affected by cognitive impairment.
- ◆ The platform is based on the use of robust and secure communication channels and dedicated digital interfaces for elderly people with mild cognitive difficulties, like early stage Alzheimer's, dementia or Parkinson's.
- ◆ ICT4Life platform will be extensively tested in real operating environments, through specifically designed pilots.