

Today

Around **1.2 million**
people are affected by
Parkinson's Disease in Europe

Source: European Brain Council

It is estimated that by 2040,
there will be **13 million**
people living with
Parkinson's worldwide

Source: The Global Burden of Disease Study (2015)

**Chronic
comorbidities
are common**

TeNDER

TeNDER is a project funded by the European Union, which helps patients safely extend their autonomy in different living environments: at home, in day-care centres, rehabilitation centres, and in hospital. TeNDER's assistive and communication tools will help monitor patients' physical and mental health, and further link patients to their social and health support system to ensure integrated care.



Coordinator



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tender-eu-project



**FOR PEOPLE WITH
PARKINSON'S DISEASE**

Helping you extend
your independence
safely



This project has received funding from the European Union's Horizon 2020 Research and Innovation Framework Programme under grant agreement No. 875325

Major challenges to independent living



MOTOR SYMPTOMS

including tremors, loss of balance, and rigidity



NON-MOTOR SYMPTOMS

including fatigue, depression, and pain



SYMPTOM FLUCTUATION

How does TeNDER support your independence?

TeNDER's approach helps you live at home longer, but it also supports your autonomy in rehabilitation centres, hospitals, and full-time care centres.



**HEALTH BANDS
MONITOR HEARTRATES**



**SMARTPHONE (AND/OR
TABLET) BASED TOOLS
RECOGNISE MOOD CHANGES**



**SPECIAL SENSORS TRACK
MOVEMENT AND GAIT**



**IMPORTANT CHANGES
ARE REPORTED TO USERS
IN REAL-TIME**

Connecting your support system



- ♦ The tools and the alert system will help you stay connected and feel safe at home.
- ♦ The information that you generate during and in-between scheduled health checks will help personalise your care.
- ♦ **TeNDER** does not replace your contact with those who surround you, it helps link your environment to support your independence.



Today

There are **10 million**
people living with Alzheimer's
disease and other forms of
dementia in Europe

Source: World Health Organization/Europe

This number set to
double by 2030

Source: World Health Organization/Europe

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**FOR PEOPLE WITH
ALZHEIMER'S DISEASE
AND OTHER FORMS OF DEMENTIA**

Helping you extend
your independence
safely



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Major challenges to independent living



MEMORY ISSUES

difficulties performing daily tasks
and making decisions



BEHAVIOUR CHANGES

difficulties maintaining
motivation and communicating



RECURRING SYMPTOMS

worsening over time

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SMART BRACELET TRACKS ACTIVITIES



SMARTPHONE (and/or tablet) BASED TOOLS RECOGNISE MOOD CHANGES



BINARY SENSORS alert caregivers if a door has been left open



SLEEP MONITORING PAD recognises nocturnal activities and sleep quality



IMPORTANT CHANGES ARE REPORTED to users in real-time



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