

Technology for people with dementia

Supportive technologies per dementia stage

Mild Cognitive Impairment	Early Stage Dementia	Middle Stage Dementia	Late Stage Dementia
 Videocalling  Videocontact with (in)formal care, family and friends			
 Medicine dispenser  Right medicine at correct time			
 Accident notification and Lifestyle monitoring  Alarm by falling, fire and monitor daily life pattern with report on deviations			
 GPS and personal alarm  Localization with alarm button and speak-listen connection		 GPS  Localization without alarm button and geofencing	
		 Key safe or electronic lock  To enter the home safely	
 Day structure support  Daily planning for daily actions and appointments through a screen, virtual avatar or social robot			
 Games and leisure  Active use of the technology for playing games (e.g., memory training or exogames) or leisure		 Leisure  Passive use of the technology for relaxation and activation purposes	
		 Robot pets  For therapeutic purposes, activation and relaxation	
		 Smartdiapers  Detection of moisture and insight into urination patterns	



The grey balk indicates the possibility of longer use or early implementation.

Indication of the user of the technology and who is involved with supporting the use of the technology.

-  People with dementia
-  Person with dementia and informal caregiver together
-  Informal caregivers
-  Professional caregivers

-  Care technology
-  Leisure technology

Disclaimer 1

This infographic only provides a guideline for the implementation of care technology for people with dementia. We cannot guarantee that these guidelines are applicable to every individual with dementia and are always effective. It is important to note that the effectiveness of the implementation of care technology is depended on various contextual factors, such as personal characteristics, background and technical experience. Moreover, care technology can vary a lot in terms of the form factor and interaction styles which can also influence acceptability.

Disclaimer 2

The suggestion provided in this guideline are not set in stone. Technologies could possibly be implemented in other stages as well depending on the person with dementia and their own personal preferences and characteristics. It is important to also go into conversation with the person with dementia about the implementation of care technology and to create a pleasant atmosphere in such conversations to see which technology fits best depending on their needs and to try out technology.