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Module Code: BMHP5014

**Module: Changemakers: Creativity and Value
Creation**

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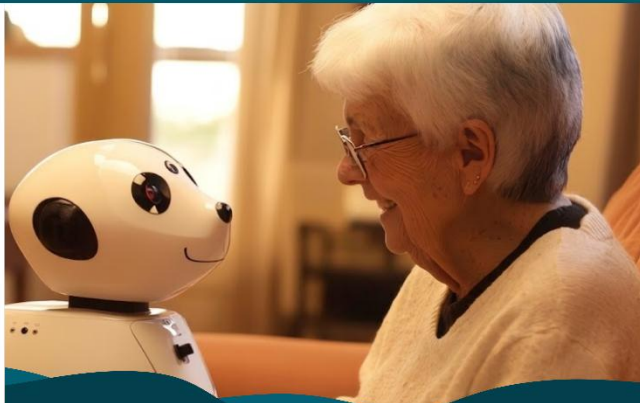
Millions of older adults face severe loneliness, accelerating depression and cognitive decline (WHO, 2021). Missing daily medications and meals (NICE, 2009).

ElderEase UK tackles this with a smart robotic companion supporting care across all senior living settings.

WHO BENEFITS

ElderEase UK provides vital peace of mind to individuals 65 and older who live alone, or in care facilities, or have mild memory problems.





Friendly Chats
Daily voice conversations to reduce isolation.

Smart Prompts
Gentle reminders for medications, hydration, and meals.

Active Living
Simple guides for safe, chair-based exercises.

Family Alerts
Secure notifications to keep loved ones updated.

PRIVACY & PROTECTION



Total Data Security 
Fully **GDPR** compliant.

Ethical Care 
Follows the Mental Capacity Act 2005.

Dignity First 
Follows the Mental Capacity Act 2005.

IMPLEMENTATION TIMELINE

Phase	Key Milestone
Phase 1	Planning & Design
Phase 2	Local Care Pilots
Phase 3	Staff & Family Training
Phase 4	National Rollout



ELDER EASE UK

IMPLEMENTATION

Who will run it

ElderEase UK will be implemented through strategic partnerships with local NHS Trusts, adult social care teams, and voluntary organizations like Age UK.

Where it will be delivered

In addition to being tested in public spaces and individual rooms within participating residential care facilities, the robotic companions will be directly installed in private houses for elderly people living independently.

CONCLUSION

ElderEase UK provides a vital, person-centered solution to the UK's loneliness epidemic. By bridging the gap between health technology and companionship, we restore dignity and safety for seniors. This practical innovation ensures a healthier, more connected future.

DISSEMINATION

Local Outreach
Leaflets in GPs, pharmacies, and libraries.

Digital Campaigns
Targeted social media ads for families nationwide.

Stakeholder Briefings
Live demos for NHS staff and care home managers.





ELDER EASE UK

Introduction

In the UK, loneliness among the elderly is a significant public health and social care issue. Many persons 65 and older live alone, suffer from long-term illness or grief, have limited daily social interaction, and have diminished mobility. Both physical and emotional health may suffer as a result. Depression, anxiety, cognitive deterioration, and a lower quality of life have all been connected to loneliness (World Health Organization, 2021; Donovan and Blazer, 2020). Some older folks may have trouble staying hydrated, taking their medications as prescribed, and sticking to healthful routines. ElderEase UK, a socially supportive robot that offers daily companionship, medicine reminders, hydration cues, light exercise coaching, and secure family notifications, is the subject of this pitch. The concept seeks to promote independence, dignity, and preventative care while assisting senior citizens.

Background

Health disparities and increased service demand are linked to loneliness in later age, making it more than just a social problem. Living alone might prevent older persons from having meaningful conversations or practical support for extended periods of time, particularly after retirement, a death in the family, or deteriorating health. According to the Office for National Statistics (2023), older individuals in the UK are among the demographics most likely to suffer from chronic loneliness, especially if they live alone and have poor health. This is important because, according to Cacioppo and Cacioppo (2014), loneliness is linked to poorer mental health, distress, and decreased self-management of long-term diseases.

The issue is evident in day-to-day existence. Due to bad mood and lack of support, an elderly person living alone may forget to take their prescription, skip meals, or become sedentary. Despite their sincere concern, relatives are sometimes unable to be present due to employment, distance, or financial constraints. Therefore, before receiving expert assistance, a preventable fall in wellbeing may occur. In order to minimize preventable harm, NICE has also noted that older persons may need assistance with safe medication administration (National Institute for Health and Care Excellence, 2014). While telecare alarms, quick home visits, and smartphone apps can be helpful, they frequently have drawbacks. While apps may be challenging for older persons with poor digital competence, telecare often only replies in an emergency. As a result, a more proactive and involved approach is required.

Innovation Description

ElderEase UK is a socially supportive robot intended for use in care facilities, assisted living facilities, and private residences. It is not meant to take the place of professional caregivers or family members. Rather, it enhances current assistance by offering consistent communication and planned reminders all day long.

The mechanism operates in stages. Initially, the robot is installed and a customized user profile is created by a qualified expert, such as a nurse, occupational therapist, or caregiver. Medication schedules, meal and hydration reminders, activity cues, preferred communication methods, and authorized family contacts are all included in this. Second, the robot helps lessen social isolation and quiet by offering pleasant everyday vocal

engagement, such as welcomes, light conversation, and welfare check-ins. Third, it provides reminders for appointments, meals, drinks, and medications. Fourth, it uses safe chair-based activity cues to promote active living. Fifth, if reminders are consistently missed or regular changes indicate deteriorating wellbeing, it securely notifies family members or caregivers with agreement.

This invention is innovative since it integrates practical assistance and companionship into a single, easily accessible device. According to research, socially supportive robots may increase older individuals' participation and lessen their feelings of loneliness (Abdi et al., 2018; Pu et al., 2019). ElderEase UK should start as a pilot-led innovation with evaluation, nevertheless, as long-term evidence is still few.

Impact on health and social care

Elderly Health and Social Care Elderly people, family caregivers, and the larger health and social care system could all benefit from the UK. It may lessen loneliness, enhance daily routine, help with medication adherence, and promote mild exercise for senior citizens. Particularly for those who spend a large portion of the day alone, these advantages may enhance independence, wellbeing, and self-assurance. The robot can reassure family members by securely updating them about missed reminders or shifts in involvement.

ElderEase UK promotes prevention, a fundamental tenet of health and social care in the United Kingdom. There may be fewer preventable issues associated with declining mood, inadequate self-care, or missing medications if older persons are encouraged to take their medications, stay hydrated, and stay involved. Certain community and social care

services might be under less strain as a result. Since loneliness is complicated and associated with social isolation, poverty, disability, and grief, the robot is not a perfect answer. Human relationships cannot be replaced by it. However, in situations when frequent human interaction is scarce, it might offer a useful extra layer of support.

Additionally, the innovation advances the general welfare. It upholds equity by supporting those with fewer social supports and promotes dignity by assisting older persons in maintaining their independence. ElderEase UK thus embodies the principles of person-centered and community-focused care.

Public and Stakeholder involvement

Participation Co-production with professionals, family caregivers, and senior citizens would be necessary for successful implementation. In order to make the robot acceptable, inclusive, and user-friendly, older users should contribute to its design, voice, vocabulary, and prompts. Family caregivers can offer useful information about communication preferences and reminder needs. Care home administrators, community nurses, general practitioners, occupational therapists, social workers, local government agencies, nonprofits, and technology developers are important stakeholders.

Because loneliness in later age impacts communities as a whole, public support is also crucial. Awareness campaigns and pilot participation could be supported by organizations like Age UK. Because ElderEase UK supports preventative care, fosters compassionate innovation, and shields vulnerable older persons from preventable decline, the public should support the organization.

Public, services and professional links

ElderEase UK complies with significant UK laws and professional standards. While the Equality Act 2010 supports inclusive access to services, the Care Act 2014 encourages prevention and well-being (UK Government, 2014; UK Government, 2010). The system must abide with the UK GDPR and the Data Protection Act 2018 if personal data is collected (UK Government, 2018). Person-centered care principles and pertinent CQC requirements should also be reflected in implementation.

A realistic delivery plan would start with a six-month pilot in a single care home group or local authority area. NHS community teams, adult social care services, nonprofits, and digital health companies are possible partners. Funding may come via nonprofit collaborations, local government innovation grants, or Integrated Care Systems. Affordability, privacy issues, digital mistrust, and an excessive dependence on technology are obstacles. Informed consent, robust data protection, training, and making sure the robot enhances rather than replaces human care can all help lower these.

CONCLUSION

In conclusion, ElderEase UK is a creative and pertinent solution to the issue of loneliness among senior citizens in the United Kingdom. It tackles the practical and emotional facets of independent living by fusing family ties, companionship, and reminders. The plan is still feasible if it is carefully implemented through pilot testing and co-production, despite obstacles related to cost, privacy, and long-term evidence. Because ElderEase UK provides a proactive, person-centered, and socially conscious strategy for enhancing later-life wellbeing, it merits support

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