



Eila Connect was developed by Crothers Security Ltd, a home security company with over 40 years of experience in Ireland. Crothers Security has adapted their technology to help older people not just to be secure in their own home but also to support them in staying in their own home, particularly if they were living alone.

Eila Connect offers Technology Enabled Care that enhances the level of connectivity of residents to their carers or family members without their compromising privacy or independence.

Eila Connect places sensors around the individual's home having carefully listened to what the resident wants, what their lifestyle is, what's important to them. These sensors detect movement in the home and send this information to a family member or carer to ensure client safety while maintaining their independence.



Martin Crothers, Owner

## CLINICAL EVALUATION STUDY



## About Health Innovation Hub Ireland

Health Innovation Hub Ireland (HIHI) was established by the Department of Business, Enterprise and Innovation and the Department of Health and is supported by Enterprise Ireland (EI) and the Health Service Executive (HSE) to drive collaboration between the health service and enterprise. We offer companies the opportunity for pilot and clinical evaluation studies and we provide the health service access to innovative products, services and devices that they may not otherwise be exposed to.

HIHI is built on the recognition that collaboration with enterprise can benefit patient care, patient pathways

and outcomes. We assess all concepts for healthcare innovation from those on the frontline – from clinician to porter. We encourage healthcare professionals to get in touch with HIHI if they have an idea or solution to how something in your job might work better.



## The Healthcare Challenge

The number of older people (65+) in Ireland has risen by over 40% in last 10 years and is expected to double again to 1.6 million by 2051. With more than 70% of Irish people wanting to stay in their own current homes as they grow older and the Sláintecare aim for people to stay healthy in their own homes and communities for longer, there is a growing need for technology to support people to continue to age at home.

Falling is the most common cause of injuries in the home for older adults, with approximately 30% of those over 60 falling each year, which not only impacts a person's health and independence but results in an burden on the healthcare system. Personal falls alarms can help address this risk, however they rely on the user wearing the device and physically pressing a button when a fall occurs.



# The Healthcare Solution



Eila Connect offers Technology Enabled Care which supports older people to continue to live at home. The Eila Connect monitoring unit help relatives and carers get a picture of the ongoing well-being of the person at home. Using motion detectors, it builds a “Day Story” of a person’s activity. This story is available as a visual graphic on an app and gives a full picture of a person’s movement and activity. Eila Connect provides a text notification and/or email when there is a change of “Normal Activity”, such as change in time of getting up, increased bathroom activity, absence of movement or door left open.

A higher level of alert is instigated when the Fall Detection (Wearable GPS enabled Pendant or Wall Mounted Sensor) detects a fall, or the Emergency Call Button is activated. A two-way voice communication channel is opened with the Eila Hub Monitoring Station and depending on the response received, a carer, family member or emergency services can be contacted.

## HIHI Role

HIHI facilitated three separate evaluation sessions with clinical experts working with older adults and several benefits were noted throughout the sessions. This clinical evaluation facilitated feedback which has informed product application, market approach and offered the company the opportunity to build a cohort of clinical champions and supports.



## Outcome Report

The clinicians noted that the technology was excellent and that Eila Connect provided a great service. The use of sensors to detect falls instead of using cameras gives the patients their independence while providing peace of mind to worried family members. The customisable nature of the service by adapting the parameters to the patient’s routine and letting the patient receive the same notifications as the family was considered ‘empowering’.

In comparison to the other known competitors, such as pendant alarms, Eila Connect offers several advantages and addresses a lot of the barriers. It presents several significant advantages over current falls detection systems. Its ability to detect falls at home without wearing a pendant could help reduce the huge number of ‘long lies’ associated injuries which in turn has potential to reduce hospital admissions and associated costs .

## Testimonials

*“From the very beginning I found HIHI very easy to deal with, from the online application to our 1st direct communication, everything was clear and easy to understand. HIHI began to work quickly to pull together a consultation process with clinical experts who were knowledgeable in the requirements of Elder Care.*

*The result of our interaction with HIHI was very positive and the insights from our consultations were really useful. In addition, we got to meet people who work with the cohort we are aiming to provide Eila Connect to and educate them on how this technology can help their patients.*

*I would recommend that anyone who has innovative solutions for the healthcare sector to reach out to HIHI and see what they can do for you.”*

– Martin Crothers, Eila Connect CEO.