

Headline Sponsors:



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Programme Background

- Before the COVID-19 pandemic, NHS England observed that the NHS was facing **rising demand** for healthcare
- People are living longer, but not always in better health, with **long-term conditions** affecting more and more of us
- New technologies offer opportunities for remote monitoring of these conditions: to provide care out of hospital
- The COVID-19 pandemic has had a devastating impact on peoples lives and the health and social care providers who take care of them: **it has accelerated demand for healthcare to unprecedented levels**
- Our aim is to help NHS England remobilise this **research programme** to explore ways in which these technologies can help health and care providers recover and scientifically test the hypothesis that asks:

"If information about patient behaviour, conditions and events captured from wearables, monitors and other smart technologies, can predict illness and demand for services, then providing these technologies to patients will enable providers to pre-empt illness and redirect demand, or design new services."









Inclusion Criteria

- Individuals over the age of 18 that:
- Have 2 or more long-term conditions AND/OR
- Have a medium to high frailty score AND/OR
- Are suffering from unsteadiness or falls AND/OR
- Those who are found to have paroxysmal and/or asymptomatic atrial fibrillation (AF), hypertension or heart failure
- Live in their own homes or in residential care homes or in nursing care homes

Exclusion criteria

- Children
- Individuals for whom consent cannot be obtained (i.e. individuals with severe mental impairments or learning difficulties)
- Patients on palliative care
- Individuals lacking mental health capacity or whose mental health conditions might be influenced by participating in the study
- Individuals whose mental capacity deteriorates during the study period will be removed from the study.



Within the ethical boundaries set out by the Research Ethics Committee, this study is **completely non-interventional**. The project will not act upon any medical data collected during the study, even if that data is indicative of a person's worsening health. All devices provided will be blinded to participants, so they will not be able to see their own health measurements.









Lifelight





ActiveInsights



Device	Records	% of Total
Active Insights	5,678	6.8%
Fibricheck	33,304	40.1%
LifeLight	29,038	34.9%
Questlink	15,125	18.2%
Total	83,145	100.0%

- Regularly take their health measurements at home using the devices / apps provided
- Wear a wrist band that collects data such as sleep and activity (if they are able to)
- All medical devices are safe, fit for purpose, easy to use and comfortable to wear.
- They are CE marked and approved by the Health Research Authority, the local Research Ethics Committee and clinicians providing healthcare in the Lincolnshire area









- Clear communications with Surgeries and participants
- Co-designed with patients and clinicians
- Support available (and taken)

Online help @ https://nhsts.org



Participant User Guide





Insights and next steps.....

- 447 participants completed trial
- Low cost and scalable technology
- Challenged many assumptions and inequalities
- Very early insight data (received last week)
- Reporting to NHS England
- Rural and Coastal 'Campus for Future Living' Mablethorpe
- Remote Care Strategy
- Academic Health Science Networks









Want to hear more?

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