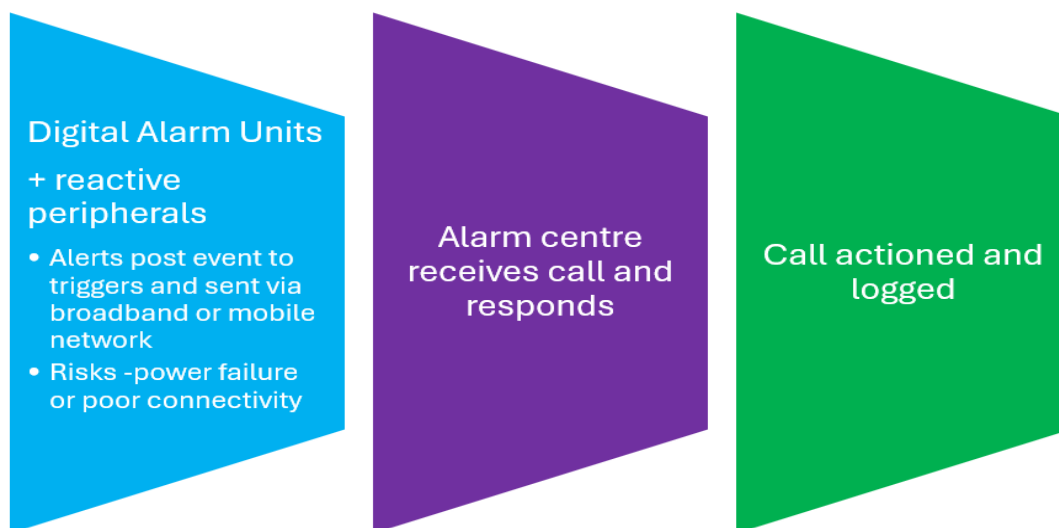


A2DT UPDATE REPORT - 27 JUNE 2024

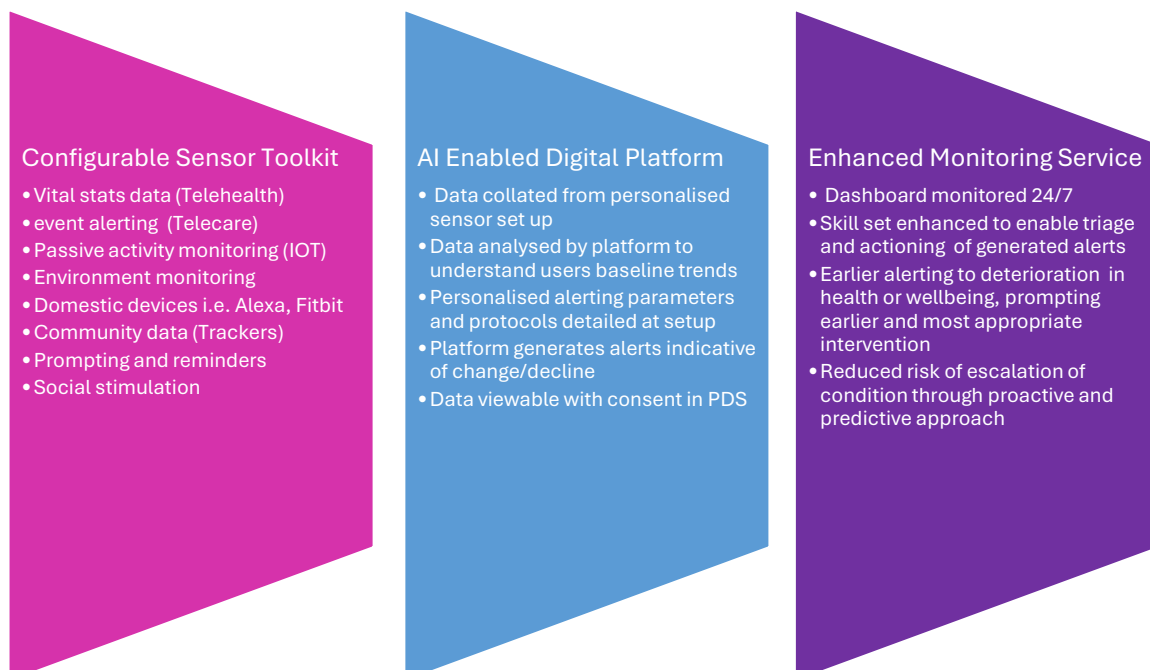
APPENDIX 1:

This provides further information around the advantages and opportunities of exploring alternative solutions in comparison to standard Telecare.

Current Telecare Process –



An Alternative Innovative Approach – Creating a truly Technology Enabled Care Service –



Advantages of an alternative approach -

- Moving to a broader bank of monitoring devices including IOT enabled sensors integrated into an AI digital platform will allow generation, collation and analysis of health, activity, environment and community data to generate insights in addition to standard event alerting.
- This level of citizen insight is currently unavailable and lends itself to a proactive, predicative and preventative model which is likely to reduce frequency and duration of hospital admissions, SAS calls and support hospital at home initiatives.
- This model can be expanded to generate mental health and wellbeing information, creating a more holistic view of the individual and broader use case applicability.
- Integration with a Personal Data Store (PDS) allows citizen consented access to data/dashboard to family and services supporting and responding, offering reassurance and remote monitoring.
- Enhanced activity monitoring/video call capability for medicine management, activity monitoring and prompting etc should lead to a reduction in scheduled care.
- Using IOT can utilise LoRoWan connectivity in addition to 5G or broadband which is ideal for data transfer and provides stable connectivity to poor signal areas/properties with LoRo infrastructure in place.
- Set up and running costs for IOT can be lower than traditional methods, and can function for longer periods during power loss.

Opportunity -

- The scope of the Rural Centre of Excellence (RCE) Smart Housing/Smart Communities living lab includes the research, development, real world testing and evaluation of a state-of-the-art sensor specification and platform integration asset for new build smart housing. This will have equal relevance to transformation of the existing telecare service.
- The innovation process used by DHI and the RCE de-risks service transformation through inclusive codesign, sandbox testing ahead of testing in live systems, with academic evaluation to support cost benefit analysis.
- The RCE will fund industry asset development and provide specialist innovation support in partnership with Health and Social Care to develop and test a solution that meets the needs of a rural community, but with potential for local. Regional or national scalability and adoption.
- The Dynamic Purchasing System (DPS) developed within the programme creates a direct procurement route of assets by services direct from the R&D phase into business as usual.
- The RCE will endeavour to lead the project and work at pace in partnership with H&SCM to deliver evaluated R&D assets to inform the A2D work within the required timeline for switchover.
- The RCE skills and workforce development workstream aims to continue to build on the 4 newly developed digital skill micro credential modules to include workforce training tools and innovation skills to compliment and support a new pathway and approach.