



S5GConnect
Dumfries

Innovation Challenge 3

About

The Scotland 5G Centre has worked with the challenge owners Dumfries and Galloway Health & Social Care Partnership and Scottish Care to prioritise and review current challenges. The challenges presented are formed from the Sustainability and Modernisation (SAM) Programme in Dumfries and Galloway.

SAM is a new, local change programme established to provide a focus on transforming the way in which health and social care is delivered. SAM aims to promote and drive local change to enable care and support to be delivered in a more effective and efficient way that meets people's needs in the **right place, at the right time, every time.**

The collaboration of partners on this innovation challenge are all committed to supporting the winning companies to integrate their solution post the 12-week programme. We aim to work together to tie in the connectivity solution with those who have identified these challenges.

What is Innovation Challenge 3?

The S5GC has worked with partners to establish the framework of Innovation Challenges which have been presented. Innovation Challenge 3 is as follows:

Sharing Information and Transparency

The challenge will look at 5G as an enabler to connect all solutions used by a service provider. With a focus on enabling the sharing of information while ensuring the safety of software in an interfaced, network-enabled clinical environment.

We are keen to receive applications from companies that can address issues around:

- Implementing a method for unambiguous patient identification.
- Developing and implementing decision support which improves safety.
- Identifying practices to safely manage information technology system transitions.
- Developing real-time methods to enable automated surveillance and monitoring of system performance and safety.
- Establishing the cultural and legal framework/safe harbour to allow sharing information about hazards and adverse events.

- Developing models and methods for consumers/patients to improve health information technology safety.

What might a project in this category look like?

Here at the S5GC, we have no preconceived ideas of what innovation looks like. We exist to support the successful development & deployment of your products and/or services. However, we have considered the subject matter and are happy to provide some guidance as to what a project *may* look like. The guidance provided is therefor for illustrative purposes only & should be viewed as non-exhaustive.

A 5G product or service might;

- Implement a wearable solution which allows for secure data transmission to allow for patient identification, reporting and management.
- Develop and implement a decision support which improves safety.
- Provide a system establishing the cultural and legal framework/safe harbour to allow sharing information about hazards and adverse events.
- Develop models and methods for consumers/patients to improve health information technology safety.
- Enable a secure data sharing from connected devices of user experiences, user actions and user input.
- Develop a way to anonymise data to enable collaborative data sharing and interworking between different organisations without compromising user identities.
- Accelerate the development of standard interfaces to enable efficient integration of multiple systems, including examples such as Alexa, Google Home, etc.