# **Transforming Diabetes** Through Innovation

The role of innovation in supporting transformation within healthcare is well recognised. This project aimed to map the current diabetes digital innovation landscape in Scotland. Through engagement with people living with diabetes, healthcare, and third-sector professionals we sought to understand unmet needs and identify gaps to inform future diabetes innovation developments.

An online survey of people living with diabetes and healthcare professionals sought to identify priorities for diabetes innovation<sup>1</sup>. Desk-based research aimed to map current Scottish-based innovation projects. Interviews and workshops were designed to engage people living with diabetes and relevant healthcare and third-sector professionals in identifying gaps and aspirations for

people struggling financially for whom lifestyle is not a choice? How might we **Exploring priorities and the landscape** ensure education How might we tailor the supports the person to technology options to the identify small changes they person to help them find the can make to their lifestyle Introduction best available solution? How might we to ensure they are tailor diabetes care achievable and not in terms of: overwhelming? - Life course / stage Readiness to engage **Co-morbidities**  Health literacy How might we - Personal How might we identify when mental circumstances? support people to health challenges are navigate the diabetes care preventing someone from **Methods** landscape to find the engaging in diabetes care information and support and focus on they need? supporting this first? How might we **ensure** professional education is an enriching experience rather than a tick-box training module? future innovation. What are the gaps in the diabetes innovation landscape? What diabetes innovation projects are being undertaken in Scotland with the What are the **challenges** potential to impact on the in innovating care for people experiences of people living with diabetes? living with diabetes in the next five years? **INNOVATION PROJECTS Full descriptions of INTEGRATING** the numbered projects **USER DATA** 6 are available via the 2000 QR code below. **13 14** 0000 **VARIATION IN KEY 21 RESOURCES & SERVICES** Type of innovation Medical device App/Website/Game MANAGING **PERSON-**CENTRED AI / Data **EXPECTATIONS** Service model/ research **16 17** Readiness **22 23 28 IMPLEMENTATION** Product/service **TIMESCALE** available Developing innovation **3**11 Early **CHALLENGES** innovation **IMPLEMENTATION** & RESOURCING **Full descriptions of** each challenge available via the QR code below.

## Results

Survey responses (n=275) and desk-based research findings were analysed to build a map of current projects and priority areas, which was validated and used to identify opportunities for future innovation in interviews (n=8), four in-person workshops (n=25) and one virtual workshop (n=16). The findings are presented as interactive digital maps structured around seven challenges: individualising care, lifestyles, education, health and digital inequalities, mental wellbeing, technology and data, and flexible care pathways. The current landscape maps identified innovation projects, highlighting their innovation type and readiness for adoption. The future landscape maps ideas and aspirations for care alongside current innovation projects. Finally, we identify five challenges in innovating diabetes care: implementation, resourcing, variation in resources and services, integrating user data, implementation timescales and managing expectations.

# **Discussion**

This is a novel and person-centred approach to the identification of innovation priorities, putting the users' needs at the centre of the agenda. By mapping future aspirations against current innovation projects, we highlight gaps in the diabetes innovation landscape. Work to transition these themes into future challenge calls for investment is underway.

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### References

1. Savage J. Transforming Diabetes Care Through Innovation Survey Results [Internet]. 2022. Available from: https://strathprints.strath.ac.uk/83025





**GAPS** 

**Overarching 'how might** 

See all questions via

the QR code below.

we...?'questions by theme.

How might we **support**