

# Diabetes Innovation Landscape - Current State

AI/ Data   
 App/ Website/ Game   
 Product/ service available   
 Early Innovations  
 Medical device   
 Service model/ research   
 Developing Innovations

## CLUSTER

Participants found it challenging to separate the themes of lifestyle, education, health/digital inequalities and mental wellbeing. Prevention was a cross-cutting theme for this cluster, both in terms of preventing type 2 diabetes and in preventing long-term complications. We identified one project (7) specifically targeting prevention by developing an app to support people at risk of type 2 diabetes to make a prevention plan and alert primary care electronic systems. Prevention was also targeted by several commercially available resources (projects 26 and 27).

## LIFE STYLE

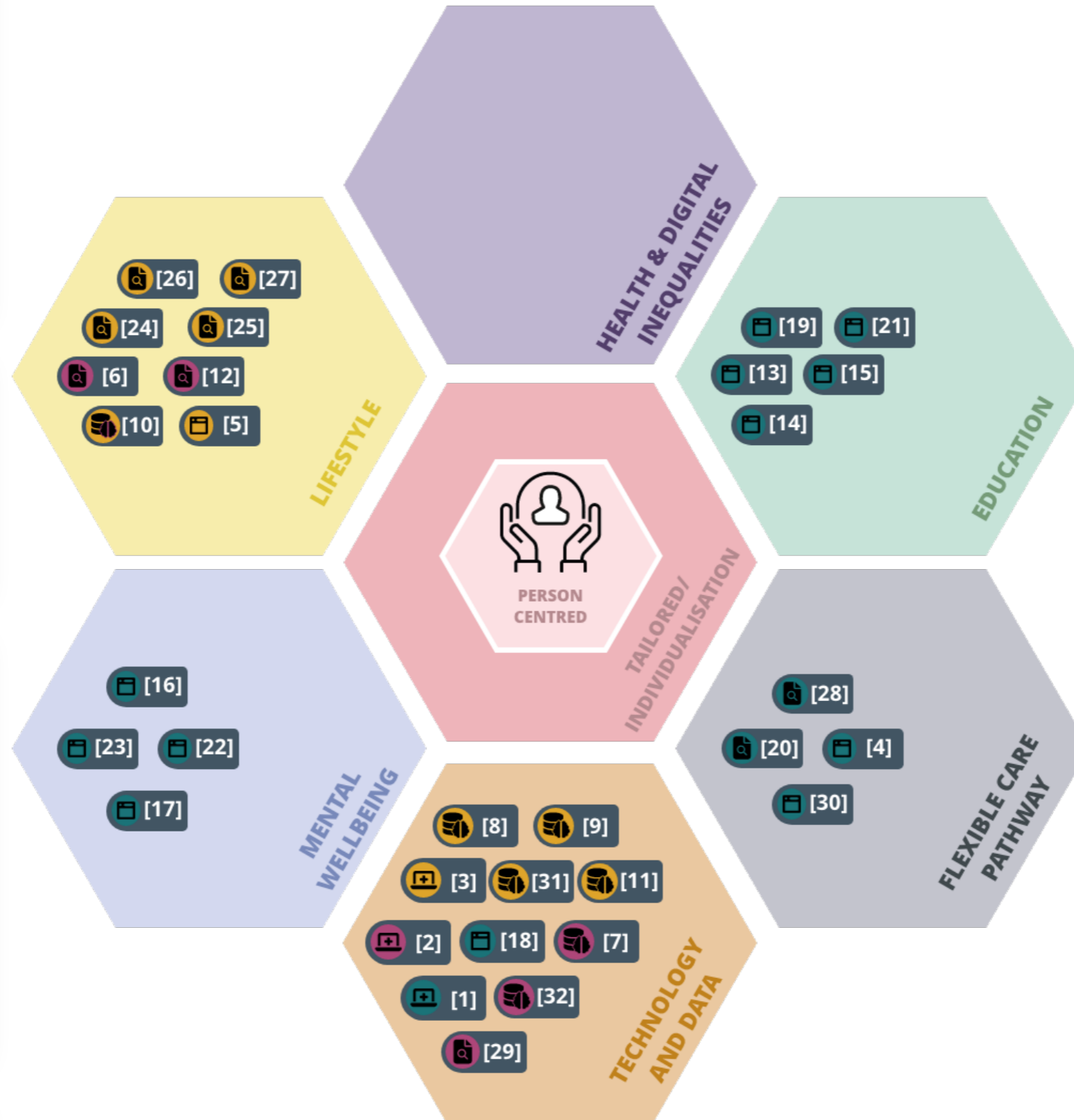
We found only one project relating explicitly to lifestyle, and this specifically targeted adolescents (project 12), however many of the resources identified offer lifestyle information (projects 4, 24, 25, 26 and 27).

## MENTAL WELLBEING

Participants across the workshops discussed how mental health impacts people's ability to engage with their diabetes care. We identified several digital resources for mental wellbeing that could be better integrated within more flexible care pathways (projects 17, 22 and 23) and a fun and engaging toolkit to support communication between people living with diabetes, loved ones and health professionals (project 16). Peer support was a cross-cutting theme, with participants highlighting the role this plays in supporting mental health and wellbeing. We identified one project seeking to better understand and enable peer support (project 6).

## HEALTH & DIGITAL INEQUALITIES

We did not identify any innovation projects specifically targeting health or digital inequalities.



## EDUCATION

We identified five highly interactive educational resources (projects 13, 14, 15, 19 and 21) targeting children and young people, using approaches such as gamification and high-quality visualisation to engage in learning and management of diabetes. However, we did not find any projects or resources using similarly innovative approaches to develop education for adults living with diabetes.

## FLEXIBLE CARE PATHWAY

This challenge centred on an ambition to design and deliver care pathways that can flex to suit the changing needs of the person. We identified very few innovation projects relating to this core theme. The data-driven innovation projects, e.g., application of AI to personalise care pathways (project 11), represents a significant opportunity to use clinical and lifestyle data to tailor care models to the person. However, there was a need to consider this alongside the person's circumstances, goals, and care and technology preferences.

## TECHNOLOGY & DATA

This theme included data-driven innovation for personalised care, risk stratification, decision support and case finding (projects 8, 11 and 32). We identified one online resource seeking to educate people about using positive displacement pumps (project 24).