What the Future Holds for Diabetes?

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Automation in Diabetes

3rd world country, 1991

United Kingdom, 2021
4 Commercial Hybrid-Closed Loop Systems in the UK

Where next?

Dual hormone systems
Speed of insulin action
Sensor accuracy
Algorithm improvements and AI
Cost!!!
Tackling access & digital literacy

KEY PRIORITY
STRONG IMPLICATIONS ALSO FOR TYPE 2 DIABETES

Non-invasive glucose monitoring

Lower continuous glucose sensors

Smart pens

Lower cost pumps

Smartphone based advisors

Also...
Oral insulin
 Longer acting insulins

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Co-producing care?

Technology driven and patient led care models

1990’s – cut test strips in half!

“DIY” real-time cgm

“DIY” or Open-source systems

Driver: NEED FOR EMPOWERMENT

Different healthcare access globally
Cost of care
Burden of care
Need for peer support

Online communities & support groups

By product “PAY IT FORWARD”
Vision for the future?