

# Gazing into the future. The next 100 years: the Medtronic perspective

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**Key words:** MiniMed™ 780G Hybrid closed loop, SMART MDI System, Extended Wear Infusion Set

While it is difficult to predict the next 100 years of development, the current Medtronic product innovation pipeline is changing the lives of people with diabetes.

The MiniMed™ 780G system with Guardian™ 4 sensor and extended wear infusion set is the advanced hybrid closed-loop pump system currently available in the UK from Medtronic. It has been clinically proven to achieve >70% time in range and to lower HbA<sub>1c</sub> levels in people with diabetes. Medtronic continues to innovate in the hybrid closed-loop and insulin pump and sensor area. The company is developing new sensor technology and personalised closed-loop options for future patients.

Medtronic recognises that not all people with diabetes will want to use an insulin pump and therefore is launching a Smart MDI system for people looking for more from MDI therapy. The Smart MDI system brings together a collection of tools that provides real-time insights and comprehensive reports. These make it easier for people with diabetes to manage life on multiple daily injections. The system combines predictive glucose management with the Guardian™ 4 sensor, with no finger pricks and personalised high and low alerts up to 60 minutes in advance. Personalised insulin management with the inpen device allows informed insulin dosing with integrated real-time glucose data trends and shareable insight reports.

The Medtronic extended-wear infusion set is due to launch in the UK soon. It is focused on improving user experience. It is the only infusion set approved for longer wear (with a wear twice as long as standard infusion sets) without compromising comfort, safety or insulin delivery. This new set will also reduce traditional infusion set plastic waste by half.

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## Key messages

- Hybrid closed loop with the MiniMed™ 780G system is clinically proven to deliver a time in range of >70% and lower HbA<sub>1c</sub> in people with Type 1 diabetes
- Smart MDI system from Medtronic offers more to MDI patients by combining predictive glucose management with the Guardian™ 4 Sensor and personalised insulin management with the inpen insulin delivery device and app.
- The extended wear infusion set due to launch in the UK soon will double length of wear of traditional infusion sets without compromising comfort, safety or insulin delivery.