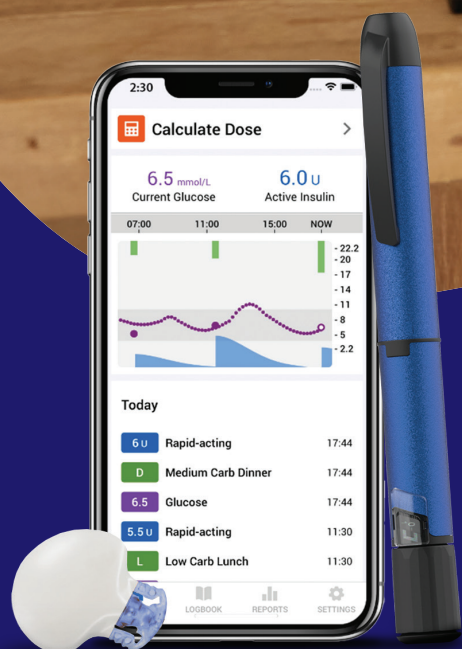




# Introducing our Smart MDI system



Help your patients stay ahead  
of their glucose levels with our  
first Smart MDI system.<sup>1,2</sup>

Guardian™ 4 Smart CGM system  
InPen™ Smart insulin pen system

**Medtronic**



# How the Smart MDI system addresses clinical challenges in MDI therapy



### Insulin stacking

Patients can have difficulty calculating on-board insulin which could lead to stacking it and to hypoglycaemia.<sup>3</sup>

The Smart MDI system combines the power of real time CGM with predictive glucose alerts and the personalised insulin dosing to help your patients stay ahead of their glucose levels and take the right dose at the right time.<sup>1,2,†</sup>



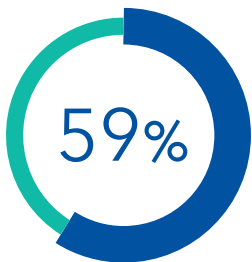
With Smart MDI system you can help your patients prevent highs and lows before they occur.<sup>1,2</sup>

Active insulin  
(if enabled)

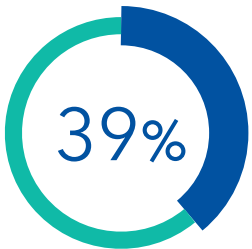
Glucose value  
(if enabled)

Glucose trend graph

Daily timeline  
Shows amount of active insulin from previous dose.



Hypo events avoided<sup>1</sup>



Hyper events avoided<sup>1</sup>



Automatically\* records and documents administered insulin.

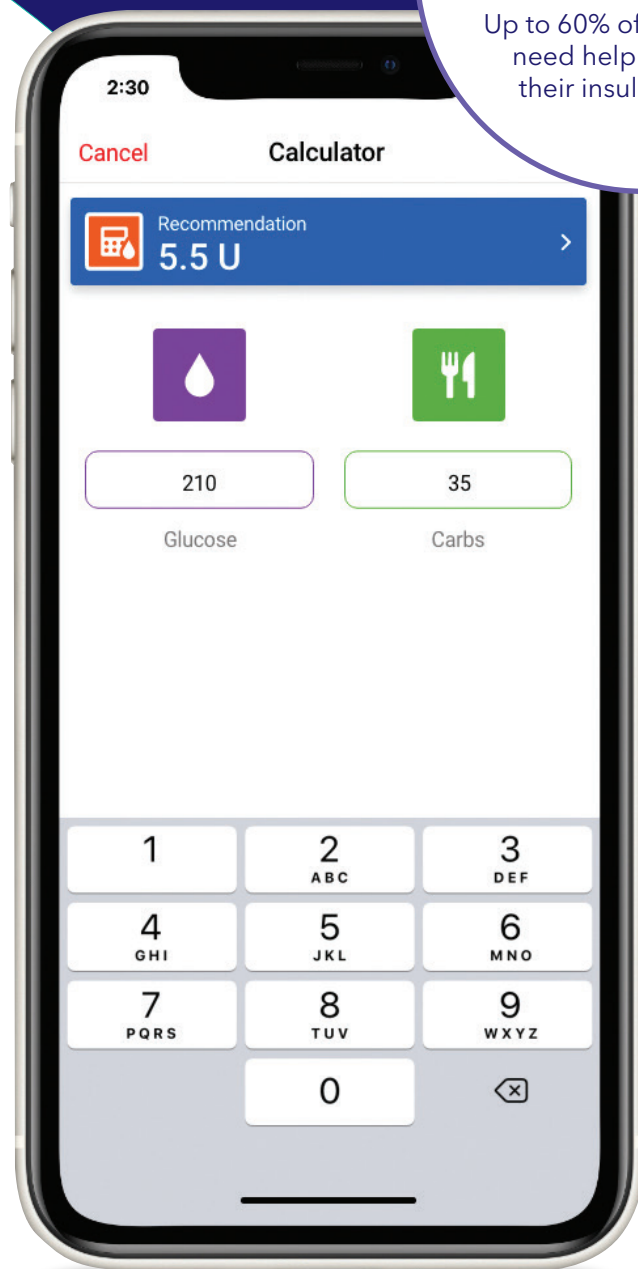


Predictive glucose alerts can reduce hypoglycaemia and allow to maintain Time In Range.<sup>3</sup>



Accurately records patients' glucose levels, now with no fingersticks.<sup>††</sup>





### Miscalculating insulin doses

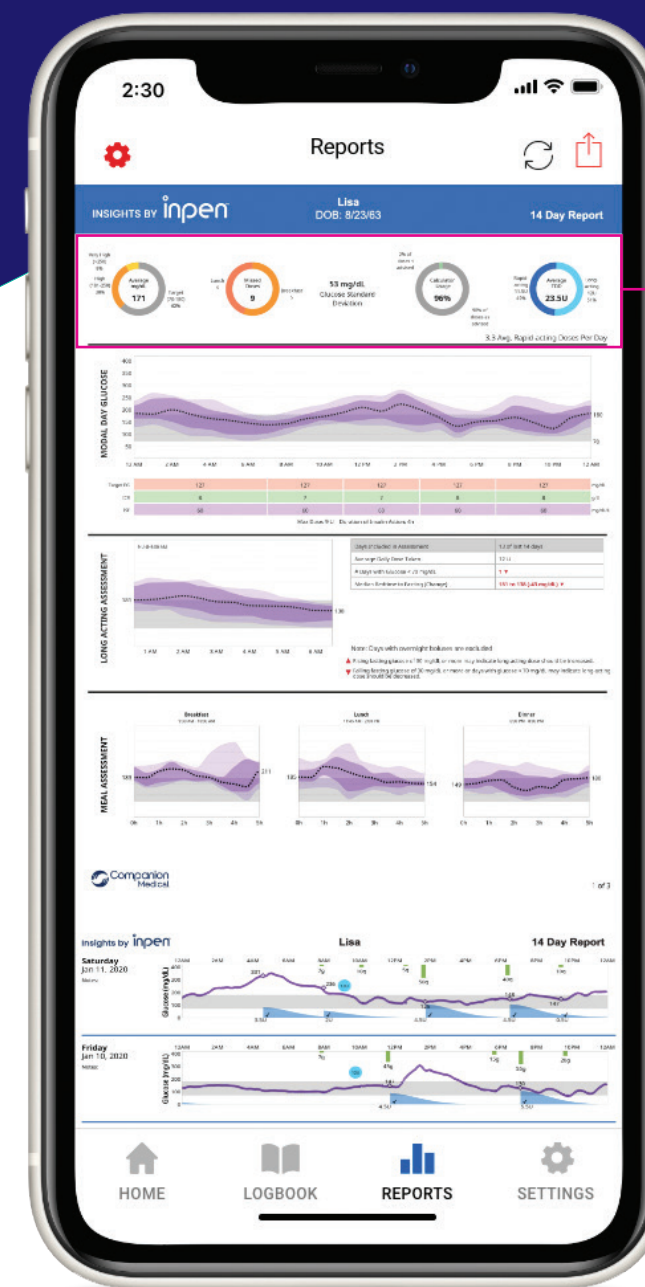
Up to 60% of MDI patients need help calculating their insulin doses.<sup>4,5</sup>

The use of a bolus calculator is associated with:<sup>6-9</sup>

0.7-1% reduction in HbA1c

Reduced fear of hypoglycaemia

Increased treatment satisfaction



### Lacking MDI data reports

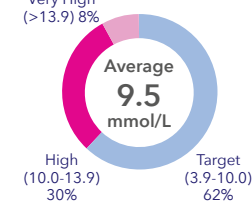
Lack of accurate dosing data can be a significant barrier to optimizing glycaemic control.<sup>5</sup>

With the Smart MDI system, you can have access to your patients' glucose and insulin data to help you optimise their glycaemic control.<sup>5</sup>



Dosing is made easy with the built-in insulin calculator and meal therapy modes.

Very High (>13.9) 8%



Glucose overview

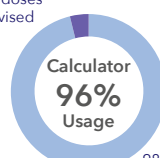


Missed doses

3.0mmol/L Glucose Standard Deviation

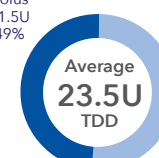
Average boluses Standard deviation

2% of doses < advised



Bolus behaviour

Bolus 11.5U 49%



Insulin data



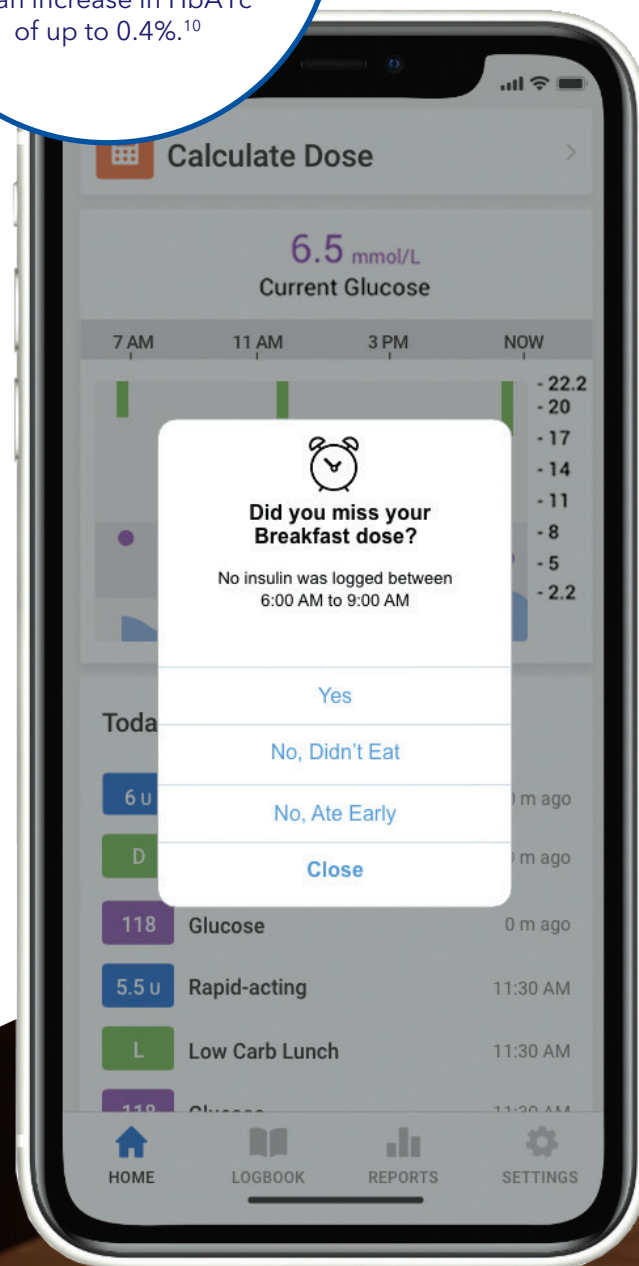


### Missing insulin doses

Patients who miss two doses per week can lead to an increase in HbA1c of up to 0.4%.<sup>10</sup>

On-time bolusing can help your patients reach better glycaemic outcomes as the frequency on time.<sup>10</sup>

When injecting more than 3 times per day with InPen™ as part of Smart MDI, your patients can achieve 70.3% Time in Range\*



The Smart MDI system can automatically\* help your patients track their insulin dosing data and reminds them if insulin is missed.

## Support



### CareLink™

- Ability to access and monitor data at any time.
- Empowering therapy management.
- Automatically\* uploads information to CareLink™ software.



### Technical support & training

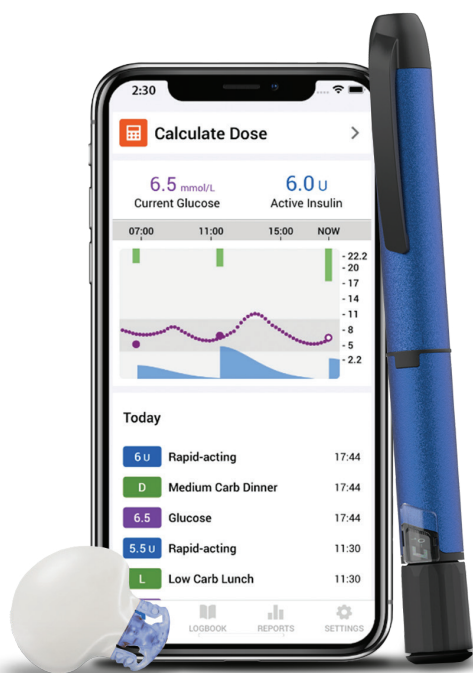
- 24/7 on & offline technical helpline.
- Hands-on, face to face and remote training.



# Patients training & education assets

Helping you serve and treat your patients more effectively and flexibly.

- Training & Education programs available for patients and HCPs.
- On-line & in-app education for patient self-learning.



 **minimed**

Helps your patients stay ahead of their glucose levels with our first Smart MDI system.<sup>1,2</sup>

\*Some user interaction required. \*\*Outcomes coming from one study with Guardian Connect. †Thanks to insulin dose reminders and bolus calculator. ††If CGM readings do not match symptoms or expectations, use a blood glucose meter to make diabetes treatment decisions. Refer to System User Guide.

**References:** **1.** Abraham SB *et al.* Improved Real-World Glycemic Control With Continuous Glucose Monitoring System Predictive Alerts. *Journal of Diabetes Science and Technology* 2021; 15(1):91–97. **2.** Smith M *et al.* E5, SIPs Improve Time Below Range in MDI Therapy, AMCP Congress 2020. **3.** Walsh J *et al.* Confusion regarding duration of insulin action: a potential source for major insulin dose errors by bolus calculators. *J Diabetes Sci Technol.* 2014;8(1):170–178. **4.** Cavanaugh K *et al.* Association of numeracy and diabetes control. *Annals of Internal Medicine* 148.10 (2008): 737–746. **5.** Klonoff D *et al.* Smart Pens Will Improve Insulin Therapy. *J Dia Sci Tech*, 2018;12(3):551–553. **6.** Ziegler R, *et al.* Use of an insulin bolus advisor improves glycemic control in multiple daily insulin injection (MDI) therapy patients with suboptimal glycemic control: first results from the ABACUS trial. *Diabetes Care.* 2013; 36(11):3613–3619. **7.** Kaufman FR, *et al.* Use of a plastic insulin dosage guide to correct blood glucose levels out of the target range and for carbohydrate counting in subjects with type 1 diabetes. *Diabetes Care.* 1999; 22(8):1252–1257. **8.** Anderson DG, *et al.* Multiple daily injections in young patients using the ezy-BICC bolus insulin calculation card, compared to mixed insulin and CSII. *Pediatric Diabetes.* 2009; 10(5):304–309. **9.** Vallejo-Mora M *et al.* Bolus Calculator Reduces Hypoglycemia in the Short Term and Fear of Hypoglycemia in the Long Term In Subjects with Type 1 Diabetes (CBMDI Stu). **10.** Randlov J, *et al.* How Much Do Forgotten Insulin Injections Matter to Hemoglobin A1c in People with Diabetes. *J Diabetes Sci Technol.* 2008; 2(2):229–235. **11.** Macled J, Smith M, *et al.* Shining the Spotlight on Multiple Daily Insulin Therapy: Real-World Evidence of the InPen Smart Insulin Pen. *DIABETES TECHNOLOGY & THERAPEUTICS* Volume 26, Number 1, 2024

This material does not replace or supersede the instructions for use. It should not be considered the exclusive source of information, and should be used in conjunction with the User Guide. See the User Guide for a detailed list of information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.com.au](http://medtronic.com.au)

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