

Medtronic

Engineering the extraordinary

The MiniMed™ 780G system webinar for school nurses

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Smart devices sold separately.
For a list of compatible devices,
refer to user guide.

Getting to know the MiniMedTM 780G System

The MiniMed™ 780G system

System components and smart device connectivity



MiniMed™ 780G pump
with smart device
connectivity



**Guardian™ 4 sensor and
transmitter***



MiniMed™ Mobile
smartphone app** and
Apple extension



CareLink™ Connect app
for care partner
(follow up to 5 people)



ACCU-CHEK® Guide Link
blood glucose meter

The MiniMed™ 780G system algorithm includes technology developed by DreaMed Diabetes.

*The system can also be used with the Guardian™ 3 sensor and the Guardian™ Link transmitter.

**The Blue adapter is available for manual CareLink uploads if the MiniMed™ mobile app is not used. Smart devices sold separately. For a list of compatible devices, visit user guide.



The MiniMed™ 780G System

Manual Mode



Traditional pump therapy

- Pre-programmed basal rates
- Bolusing with Bolus Wizard™ feature or manual boluses
- With or without CGM

SmartGuard™ Technology



Automatically adjusts insulin based on SG readings

- Basal adjusted every 5 minutes
- Automatic correction boluses
- Bolusing using SmartGuard™ Bolus feature
- CGM required

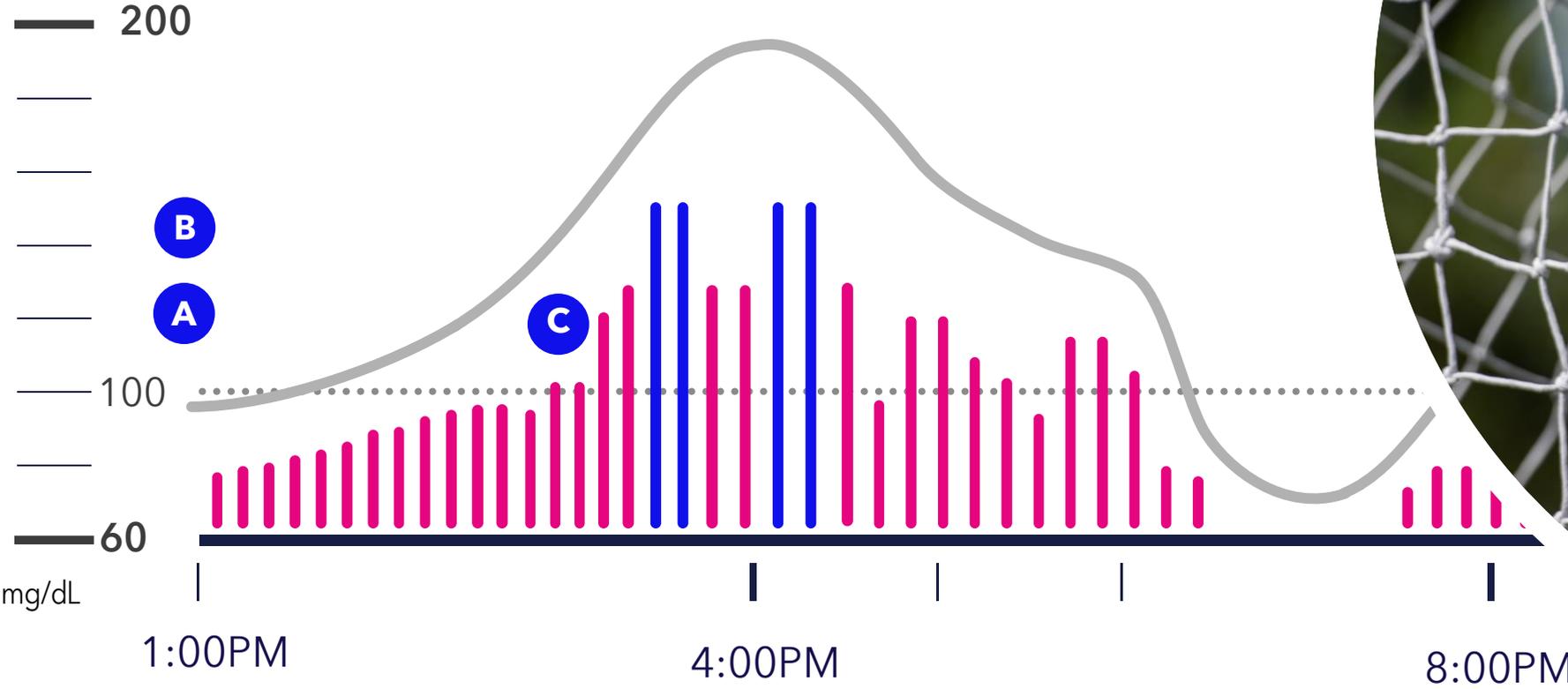
Using the pump in SmartGuardTM technology

MiniMed™ 780G system with SmartGuard™ technology

How it works

- Glucose levels mg/dL
- Auto correction bolus
- Background insulin

 **Auto corrections**
Automatically corrects highs every 5 minutes, as needed.



Up to 288
Auto-adjustments per day*

For illustrative purposes only.
*Refers to SmartGuard™ technology. Individual Results may vary.

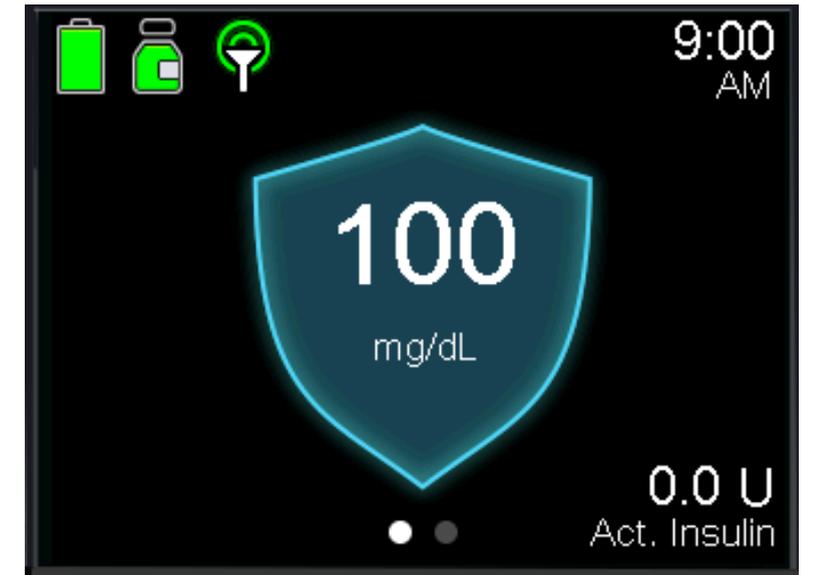
Important information about the SmartGuard™ feature

SmartGuard™ technology automatically **delivers basal insulin and auto correction doses every 5 minutes**, based on sensor glucose readings.*

SmartGuard™ Auto Basal uses the selected target: 100 mg/dL (default), 110 mg/dL, 120 mg/dL.

SmartGuard™ Auto Corrections use a target of 120 mg/dL.

A student can temporarily change their Auto Basal target to 150 mg/dL. When this is active, auto corrections are not delivered.



Home Screen in SmartGuard™

*Refers to SmartGuard™ feature. Individual results may vary.

When the pump is in SmartGuard™ technology



Sensor Glucose

SmartGuard™ shield

On average, users are spending 95% time in SmartGuard™ technology¹

1. Data on file from CIP 321: Pivotal Trial (Age 14-75). N=152. 2020; 16 US sites.

A student's responsibilities in SmartGuard™ technology



Your role: Assist the student with these responsibilities and follow HCP guidelines for safety.

Giving a bolus in SmartGuard™ technology

Utilizing sensor glucose (SG)



If the student has not entered blood glucose (BG) into the pump in the past 12 minutes, the SG value:

- Automatically populates on bolus screen
- Will be used to bolus

Press the **DOWN** arrow for shortcut to the Bolus screen > enter **Carbs** > **Deliver bolus**.



The same steps apply in Manual Mode. However, a BG is required when calculating a correction bolus using the Bolus Wizard™ feature.

Giving a bolus in SmartGuard™ technology

Utilizing blood glucose (BG)



If needed, a blood glucose (BG) meter reading can be manually entered on the Bolus screen while using SmartGuard™ technology.

Press the **DOWN** arrow for shortcut to the Bolus screen > enter **BG** > enter **Carbs** > **Deliver bolus**.



A BG value can be manually entered via the Blood Glucose menu or by using a compatible Accu-Chek® Guide Link Meter.

Checking for bolus history



Check last bolus if you are not sure a student delivered a bolus.

Go to **History & Graph** > **History** > **Daily History**
> **Select Day**

Temp target



Students can temporarily change the target to 150 mg/dL for exercise or other times there's a concern for low glucose.

Auto corrections are not delivered when Temp Target is set.

Go to **SmartGuard** > **Temp Target** > **Set Duration** > **Save**

Temp target



A student can cancel the temp target at any time.

Go to **SmartGuard** > **Cancel Temp Target** > **Cancel Temp Target**

Best practices and practical considerations

Reference the student's specific instructions provided by their healthcare professional.

Bolus behaviors

Missed bolus

Understand the source of delivering late boluses, i.e. fear of hypoglycemia.

Consider delivering the missed bolus:

- If a student is **within 30 minutes** from the start of the meal, enter half of the carbs to help reduce the risk of hypoglycemia.

Consider skipping the missed bolus:

- **After 30 minutes** or more from the start of the meal.
- When the SG trend is downward.



Behaviors

Underestimating carbs

If more than **30 minutes** has passed since eating, encourage students to deliver a correction bolus rather than enter extra carbs.

- Enter the current blood glucose (BG) reading and give a correction bolus as recommended by the system.

Auto corrections will be delivered if max basal has been reached and SG >120 mg/dL.



Bolus behaviors

Unsure of how much will be eaten

Before the meal, encourage students to bolus for grams that are certain to be eaten.

If additional grams are consumed, they should enter them and bolus for additional grams as they are eaten or at the end of the meal.

Some insulin given early is better than all insulin given late.



Actor Portrayal

Additional points to consider

Reducing treatment for lows

When using SmartGuard™ technology, insulin delivery stops before and at the time of a low glucose episode.

This reduces the standard low glucose treatment.



5-10 grams is typically all that's needed

Common alarms and alerts

Alarms and alerts



Read and address the alert, then clear it by pressing ✓ then ○

Alarms and alerts:

- Read and respond
- The “Enter BG Now” alert may occur from time to time.



For more information about alarms and alerts, go to [medtronicdiabetes.com](https://www.medtronicdiabetes.com)

SmartGuard™ checklist screen



Go to **SmartGuard** > **SmartGuard Checklist** > press **Down** to scroll through the list of items.



The item is ready and will be shown as greyed out



There is an action to be done to enter SmartGuard



The pump is updating and there is no action to take at this time



When in doubt, call the student's parent or caretaker. Medtronic Technical Support is available 24/7.

Things
to remember

Medtronic 24-hour helpline

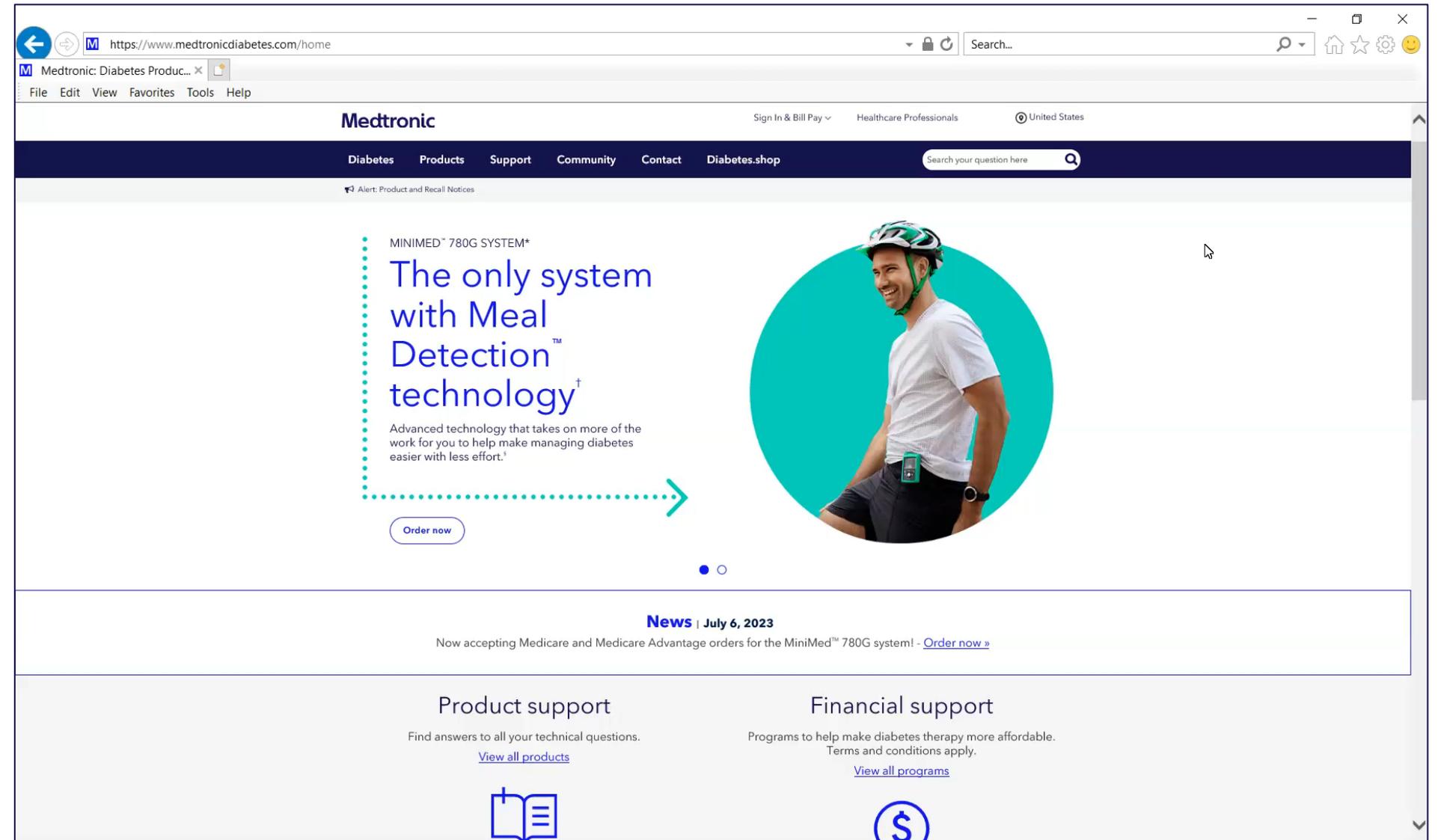
The number is on the bottom of every pump



Support and resources

For more information and support, go to

www.medtronicdiabetes.com



Other helpful resources:

- American Diabetes Association www.diabetes.org
- Juvenile Diabetes Research Foundation (JDRF) www.jdrf.org

Access the virtual pump

Available now

Quick and easy

Easy-to-use interface, just like our MiniMed™ pumps.

Access anywhere

The MiniMed™ virtual pump is available on any device with internet connectivity.

Virtual training

The virtual demo can be used anywhere, including training in a remote setting.



MiniMed™ 780G system

Education for Healthcare Professionals



Visit Medtronic Diabetes Digital University for additional knowledge

Don't have an account?
Register at medtronic.com/mddu or scan the QR code

Already have an account?
Login at learn.medtronicdiabetes.com or scan the QR code and go directly to the MiniMed™ 780G module.

Visit medtronic.com/hcp/minimed-780g for the latest clinical resources, to request an in-service, and to register for upcoming webinars and livestreams.



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Virtual Pump Overview Workshop



Additional
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information
available.

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Q&A

