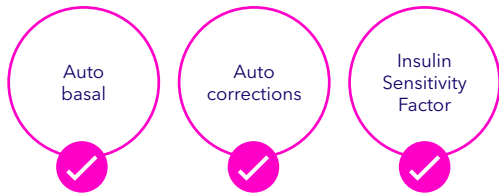


# Quick guide



## SmartGuard™ technology settings

What is the **algorithm** responsible for?



What are **you** responsible for?



**Optimize first**

**Ongoing**

Recommended settings: 100 mg/dL  
SmartGuard™ target: 2-hr AIT<sup>†</sup>

Real-world results showed higher Time in Range with recommended settings.<sup>†</sup>

## Get started with initial settings<sup>‡</sup>

### Basal



TDD x 0.75 = reduced dose  
Reduced dose x 0.5 = total basal  
(if half the dose is > 0.4 units per kg, use weight dose below)

Total basal/24 = basal rate \_\_\_\_\_



Use current pump settings

### Bolus

ICR: 450/TDD \_\_\_\_\_

ISF: 1800/TDD \_\_\_\_\_

BG target: 100-120 mg/dL

AIT (hours): 2 hours

## SmartGuard™ feature

SmartGuard™ target (mg/dL)<sup>1</sup>



Recommended

AIT (hours)<sup>1</sup>



Recommended

Auto corrections



Recommended

## CGM recommendations

Suspend before low



Alert on low



Alert on high



Alert before low



Low limit threshold: 70 mg/dL

### System alerts/alarms:

Fixed low:

Instinct sensor made by Abbott: <55 mg/dL

Simplera Sync™ or Guardian™ 4 sensor: <64 mg/dL

Fixed high: ≥250 mg/dL for 3 hours

Weight doses: weight in kg x 0.3 for adults, x 0.2 for peds, x 0.4 for adolescents. AIT = active insulin time, ICR = insulin carb ratio, ISF = insulin sensitivity factor, TDD = total daily dose. Recommended settings for adults: 100 mg/dL auto basal target; 2 hours AIT. Children 7-14 years old: 110 mg/dL and 2 hours AIT, reduce if no concern with hypoglycemia.

# Goals

Metric	Time Above Range 250 mg/dL <sup>1</sup>	Time Above Range 180 mg/dL <sup>1</sup>	Time In Range (TIR) <sup>1</sup>	Time Below Range 70 mg/dL <sup>1</sup>	Time Below Range 54 mg/dL <sup>1</sup>	A1C <sup>2</sup>	SmartGuard™ use	Sensor use <sup>3</sup>
Goal	<5%	<25%	>70%	<4%	<1%	<7%	≥85%	≥85%
At goal?								

Review the Assessment & Progress report for information on Time in Range/Below and Above Range, SmartGuard™, and sensor use.

## Common reasons goals aren't being met



### Recommended settings<sup>†</sup> aren't being used

SmartGuard™ target:  
100 mg/dL

Active Insulin Time:  
2 hours



### Bolusing behaviors

Missed boluses

Late boluses

Overestimating carbs



### Carb ratios aren't optimized

Carb ratios may need to be strengthened or weakened depending on the clinical scenario

### If individuals are spending

#### ≥4% Time Below Range

- Are there late boluses or overestimated carbs?
- Does the carb ratio need to be weakened?
- Is the Temp Target being used for exercise?
- Is a higher SmartGuard™ target needed?

### If individuals are spending

#### ≥25% Time Above Range

- Are recommended settings being used?
- Are boluses being missed?
- Are there late boluses?
- Does the carb ratio need to be strengthened?

## Keys to success

- Use recommended settings
- Keep interventions to a minimum; after updating a setting, allow the system time to adapt
- Encourage carb counting and pre-meal bolusing
- Optimize ICR
- Update Manual mode settings at each visit

<sup>1</sup>Recommended settings for adults: 100 mg/dL auto basal target and 2 hours AIT. Children 7-14 years old: 110 mg/dL and 2 hours AIT, reduce if no concern with hypoglycemia.

<sup>†</sup>Use clinical judgement based on individual needs.

### References

1. Battelino T et al. Clinical Targets for Continuous Glucose Monitoring Data Interpretation: Recommendations from the International Consensus on Time in Range. *Diabetes Care* 2019; 42: 1593-1603.
2. American Diabetes Association Professional Practice Committee; 6. Glycemic Goals and Hypoglycemia: Standards of Care in Diabetes—2024. *Diabetes Care* 1 January 2024; 47 (Supplement\_1): S111-S125.
3. Battelino T et al. Routine use of continuous glucose monitoring in 10 501 people with diabetes mellitus. *Diabet Med* 2015. 2(12); 1568-74.

**Important Safety Information for MiniMed 780G System (Instinct sensor):** MiniMed MiniMed™ 780G System is for type 1 ages 7 and over. Prescription required. **WARNING: Do not use SmartGuard™ feature for people who require less than 8 units or more than 250 units of insulin/day.** For details, see <https://bit.ly/780gRisks>.

**Important Safety Information for MiniMed 780G System:** MiniMed MiniMed™ 780G System is for type 1 ages 7 and over and type 2 ages 18 and over. Prescription required. **WARNING: Do not use SmartGuard™ feature for people who require less than 8 units or more than 250 units of insulin/day.** For details, please visit [www.medtronicdiabetes.com/support/download-library/user-guides](http://www.medtronicdiabetes.com/support/download-library/user-guides) and [www.medtronicdiabetes.com/importantsafetyinformation](http://www.medtronicdiabetes.com/importantsafetyinformation) for complete details.

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative.

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