American Diabetes Association®

Automated Insulin Delivery Systems

Automated insulin delivery (AID) systems consist of three components: a continuous glucose monitor (CGM), an insulin pump, and a control algorithm. The algorithm adjusts insulin delivery via the pump based on the CGM's glucose readings and trends.

The choice of diabetes technologies should be individualized based on an individual's needs, characteristics, and preferences.

iLet Bionic Pancreas

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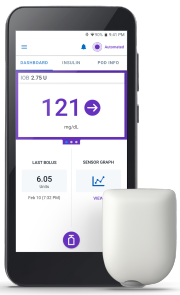
- Approved for people 6+ y/o with type 1 diabetes
- Target glucose options: 110, 120, and 130 mg/dL
- All bolus and correction doses are automated and adapted by the algorithm, requiring little input from the user
- Compatible with Dexcom G6, Dexcom G7, and FreeStyle Libre 3+ CGMs

Medtronic MiniMed 780G

©2025 Medtronic

- Approved for people 7+ y/o with type 1 diabetes and 18+ y/o for insulin-requiring people with type 2 diabetes
- Target glucose options: 100, 110, and 120 mg/dL; temporary target of 150mg/dL
- Can be used in low-glucose suspend mode rather than auto mode
- Auto basal insulin suspension and adjustment
- Automatic correction boluses
- Compatible with Guardian 4, Simplera, and Instinct CGMs

Insulet Omnipod 5



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- Tubeless system
- Approved for people 2+ y/o with type 1 diabetes and 18+ y/o with type 2 diabetes
- Controlled via smartphone
- Target glucose options: 110, 120, 130, 140, and 150 mg/dL
- Auto basal insulin suspension and adjustment
- Compatible with Dexcom G6, Dexcom G7, and FreeStyle Libre 2+ CGMs

Sequel twiist

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- Approved for people 6+ y/o
- Controlled via iPhone models that support iOS 17 or higher
- Target glucose options: 87–180 mg/dL
- Auto basal insulin suspension and adjustment
- Uses Tidepool Loop algorithm
- Compatible with FreeStyle Libre 3+ CGM and Eversense 365 CGM

Tandem Mobi

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- Approved for people 2+ y/o with type 1 diabetes and 18+ y/o with type 2 diabetes
- Controlled via smartphone, also has on-pump button for quick bolus
- Target glucose options: 112.5–160 mg/dL, exercise mode 140–160 mg/dL
- Compatible with Dexcom G6 and G7 CGMs

Tandem t:slim X2

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- Approved for people 2+ y/o with type 1 diabetes and 18+ y/o with type 2 diabetes
- Target glucose options: 112.5–160 mg/dL, exercise mode 140–160 mg/dL
- Auto basal insulin suspension and adjustment
- Auto correction boluses
- Compatible with Dexcom G6, Dexcom G7, and FreeStyle Libre 2+ and 3+ CGMs

The American Diabetes Association® strives to provide accurate, unbiased information. This information was accurate as of January 2026. Diabetes technology evolves rapidly. Confirm that the information is up to date with the manufacturer.

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