

# t:slim X2

Insulin Pump



the  
choice  
is easy



**TANDEM**  
DIABETES CARE

Tandem Diabetes Care is dedicated to making the lives of people with diabetes better and better, through relentless innovation and revolutionary customer service.

That's why we offer an insulin pump flexible enough to meet a broad variety of needs and lifestyles, designed to be easily used with or without advanced features.

Easy to use.  
Easy to love.

The t:slim X2™ insulin pump can be used as a stand-alone insulin pump, or you can integrate it with the Dexcom G6 continuous glucose monitoring (CGM) system. When used with CGM, you can choose one of two predictive insulin delivery technologies:

## t:slim X2

WITH **Control-IQ** TECHNOLOGY

Predicts and helps prevent highs and lows, to help increase time in range.\*  
Approved for use in individuals 14 years of age and greater.

\* As measured by CGM.

## t:slim X2

WITH **Basal-IQ** TECHNOLOGY

Predicts and helps prevent lows.  
Approved for use in individuals 6 years of age and greater.





# The pump that gets updated, not outdated

Because diabetes technology evolves at a rapid pace, you need to be able to update the software on your insulin pump at your convenience. Our remote software updates provide eligible t:slim X2 insulin pump users access to future features and predictive technologies without having to purchase new device hardware.†

*Eviola*

diagnosed 2012

## Other powerful features

The t:slim X2 pump has a sleek design matched with a host of features that you would expect in a modern device:



### Large color touchscreen

Easy to read, simple to learn, and intuitive to use.



### Rechargeable battery

No more disposable batteries. Charge the battery using a convenient micro-USB port.



### Durable housing

Light, ultra-strong aluminum case and shatter-resistant glass. Plus, the pump is watertight.<sup>‡</sup>



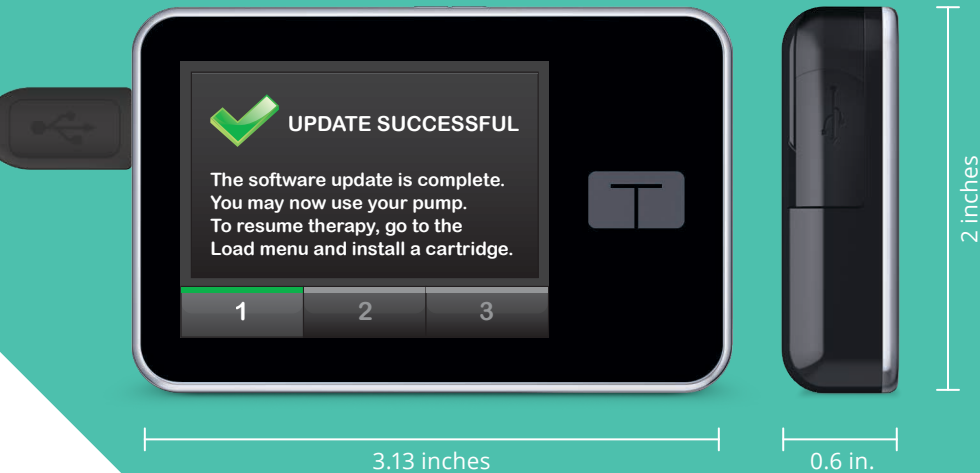
### Custom settings

Create up to six Personal Profiles, with up to 16 different time segments in each.



### Small size

Up to 38% smaller than other insulin pumps,<sup>§</sup> while holding up to 300 units of insulin.

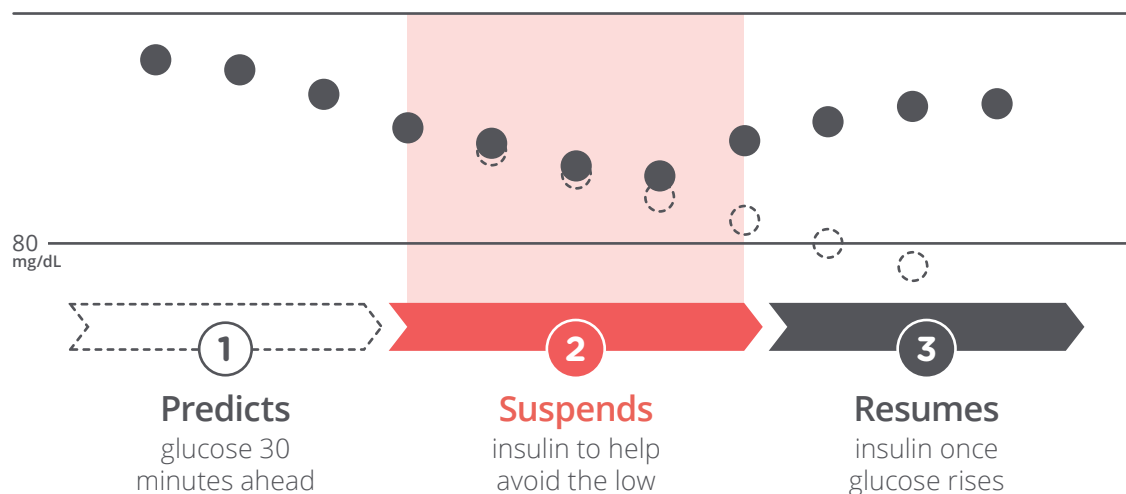


# Basal-IQ technology

## THE EASY CHOICE TO HELP PROTECT YOU FROM LOWS

The Basal-IQ® feature uses Dexcom G6 CGM values to help reduce the frequency and duration of low-glucose events by predicting glucose levels 30 minutes ahead and suspending insulin if they are expected to drop below 80 mg/dL. Insulin delivery resumes as soon as sensor glucose values begin to rise.

*Reagan*  
diagnosed 2012





## CLINICAL STUDY RESULTS

Less  
time low

31%

Relative reduction in sensor time below 70 mg/dL when study participants used Basal-IQ technology.<sup>1</sup>

Easy  
to use

91%

Percent of study participants who said the Basal-IQ feature on the t:slim X2 insulin pump was easy to use.<sup>1</sup>

# Control-IQ technology

**THE EASY CHOICE TO HELP PROTECT YOU FROM HIGHS AND LOWS**

Trying to keep your blood sugar in range can be stressful and time consuming. Our Control-IQ™ advanced hybrid closed-loop technology makes it easier by using Dexcom G6 CGM values to predict glucose levels 30 minutes ahead and automatically adjusting insulin to help increase time in range.<sup>2\*</sup>

\* As measured by CGM.

^ If your glucose alerts and readings from the G6 do not match symptoms or expectations, use a blood glucose meter to make diabetes treatment decisions.

**PREDICTIVE TECHNOLOGY**  
Designed to help prevent highs and lows, to help increase time in range (70–180 mg/dL).\*

**CORRECTION BOLUS**  
Automatic correction boluses (up to one per hour) for added protection.

**ZERO FINGERSTICKS<sup>^</sup>**  
When using Dexcom G6 CGM.

**ACTIVITY SETTINGS**  
Dedicated Sleep (🛌) and Exercise (🏃) Activity settings for more targeted control.

The iPhone screen displays the following information:  
- Time: 7:35 AM, Date: 14 Nov  
- Battery: 100%  
- Glucose: 162 mg/dL  
- Trend: Up arrow  
- Bolus: 3 HRS  
- Insulin On Board: 3.4 u  
- Bolus Control-IQ: 0.80 u  
- Sleep and Exercise icons are visible at the bottom of the screen.

*Christopher*  
diagnosed 2008








*Ann Jeanette*  
diagnosed 2013



# How Control-IQ technology works

The t:slim X2 insulin pump with Control-IQ technology is designed to help increase time in range (70-180 mg/dL)\* using Dexcom G6 CGM values to predict glucose levels 30 minutes ahead and adjusts insulin delivery accordingly.

*Peter*  
diagnosed 2001

180	 <b>Delivers</b>	Delivers an automatic correction bolus if sensor glucose is predicted to be above 180 mg/dL**
160	 <b>Increases</b>	Increases basal insulin delivery if sensor glucose is predicted to be above 160 mg/dL
112.5	 <b>Maintains</b>	Maintains active Personal Profile settings
70 mg/dL	 <b>Decreases</b>	Decreases basal insulin delivery if sensor glucose is predicted to be below 112.5 mg/dL
	 <b>Stops</b>	Stops basal insulin delivery if sensor glucose is predicted to be below 70 mg/dL

\* As measured by CGM.

\*\* If glucose values are predicted to be above 180 mg/dL, Control-IQ technology calculates a correction bolus using the Personal Profile settings and a target of 110 mg/dL and delivers 60% of that value. It will do this up to once per hour as needed.





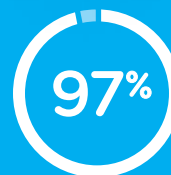
### CLINICAL STUDY RESULTS

More time  
in range\*



Average additional time  
in range per day for study  
participants who used  
Control-IQ technology.<sup>2</sup>

Easy  
to use



Percent of study partici-  
pants who used Control-IQ  
technology and said it was  
easy to use.<sup>3</sup>

# Get connected to an advanced way to monitor your diabetes

The t:connect® web application and t:connect mobile app make it easier for you to spot glucose trends and make informed decisions.



## **t:connect web application**

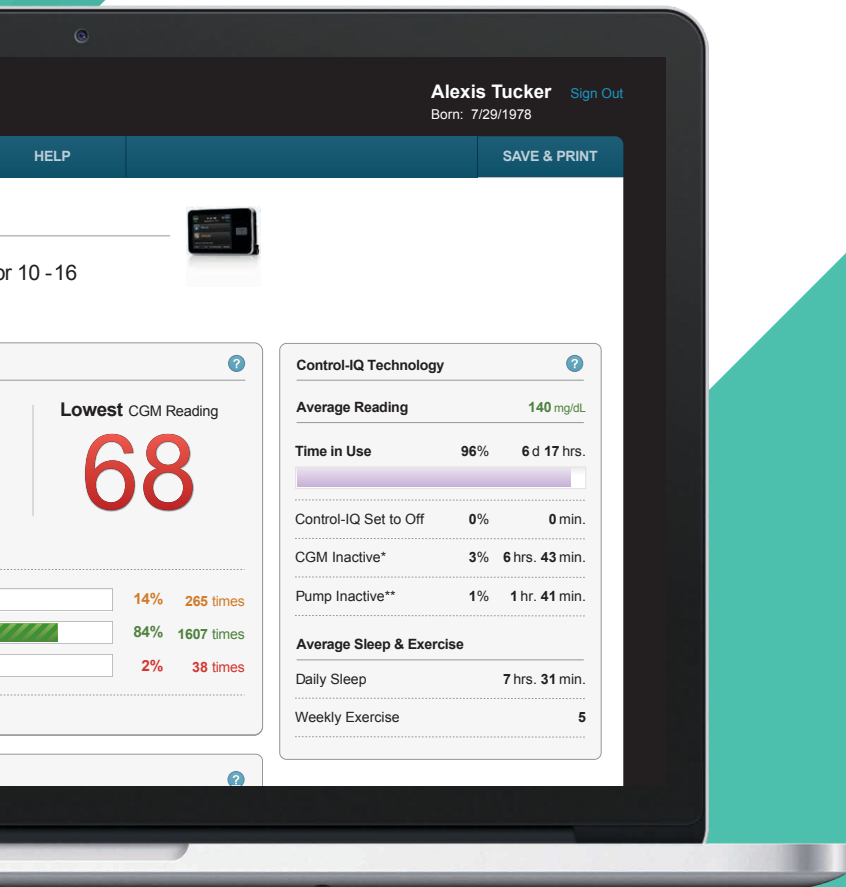
Easily view data from Tandem insulin pumps, supported glucose meters, and CGMs, enabling you to generate reports that help you uncover meaningful insights and trends.



## **t:connect mobile app**

Enjoy convenient access to pump and therapy data, and discreet pump status notifications on your smart phone.





Office visits should be spent discussing data, not trying to access it.

With the free t:connect mobile app, you can share your pump data wirelessly through the cloud, eliminating the need to plug in your Tandem pump during office visits with your healthcare providers.



# Zero fingersticks with Dexcom G6 CGM<sup>^</sup>

Dexcom G6 CGM integration with the t:slim X2 pump provides exceptional accuracy for optimized insulin delivery.<sup>4</sup> Dexcom G6 is the first real-time, integrated CGM (iCGM) system requiring zero fingersticks for calibration or mealtime dosing.<sup>^</sup>



## **10-day sensor wear**

Three days longer than any other integrated CGM system.



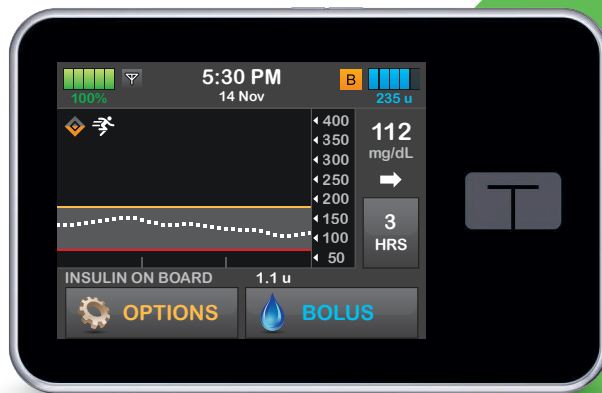
## **Simple auto-applicator**

An easy-to-use sensor applicator with one button insertion.

<sup>^</sup> If your glucose alerts and readings from the G6 do not match symptoms or expectations, use a blood glucose meter to make diabetes treatment decisions.



Stacy  
diagnosed 2006



## How does CGM work?

CGM provides real-time glucose readings every five minutes throughout the day and night, notifying you of highs and lows.



### DATA SHARING

CGM data can also be sent to a smart device for sharing with friends, family, and caregivers.<sup>††</sup>



### TRANSMITTER

Glucose data is sent via *Bluetooth*<sup>®</sup> technology to your t:slim X2 pump<sup>\*\*</sup> and compatible smart device.<sup>§§</sup>

### SMALL SENSOR

A discreet, water-resistant<sup>^^</sup> sensor located just underneath your skin measures your glucose levels.

# Discover how insulin pumps work

Like a healthy pancreas, insulin pumps deliver only one type of insulin. Using your personal settings, the insulin is delivered both continuously (basal) and in larger doses for meals (bolus).

## TOUCHSCREEN

Insulin delivery is personalized using a simple touchscreen.



## INFUSION SITE

The tubing is attached to an adhesive patch, which holds a short, fine tube (cannula) under the skin. This infusion site is changed every two to three days.



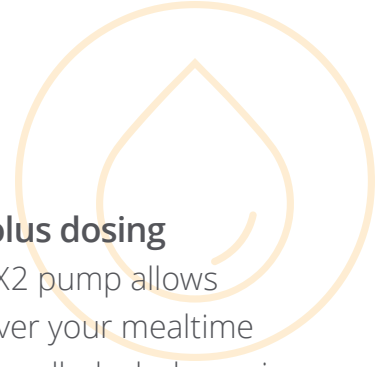
## TUBING

The insulin flows through thin, flexible tubing, available in a variety of lengths.





*Mide*  
diagnosed 2012



### **Simple bolus dosing**

The t:slim X2 pump allows you to deliver your mealtime insulin, also called a bolus, using a simple, color touchscreen and an integrated bolus calculator with carb adding capabilities.

### **Simple basal dosing**

You can personalize your t:slim X2 insulin pump to deliver a steady amount of insulin to meet your changing needs throughout the day and night. This is called basal delivery.

# Become part of the Tandem family

When you purchase an insulin pump from us, you become a part of our family. And to take care of you like family, we offer:



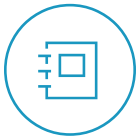
## **Local support**

Assistance is available from a Tandem representative and clinical diabetes educator in your area.



## **Insurance verification**

We'll help you through the process and work to get you the lowest out-of-pocket cost.



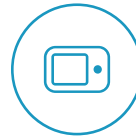
## **Expert training**

Even though our products are easy to learn and easy to use, we offer personal pump training to every new customer.



## **30-day return policy**

We believe that we make the best insulin pumps, but understand that sometimes things just don't work out.



## **4-year limited warranty**

If you need a replacement pump, we will deliver one within 24 hours if you are in a larger city, or the next day if you're in a remote area.



## **Travel loaner program**

If you will be traveling outside of our replacement area, don't worry, we've got you covered.



*Esme*  
diagnosed 2015

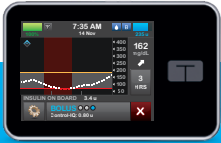
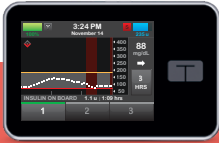


### **#1-rated customer support<sup>5</sup>**

We put as much effort into standing behind our products as we do into designing them. Our United States-based Customer Support Team is staffed by highly trained, enthusiastic representatives. Customer support is available 24 hours a day, 365 days a year.

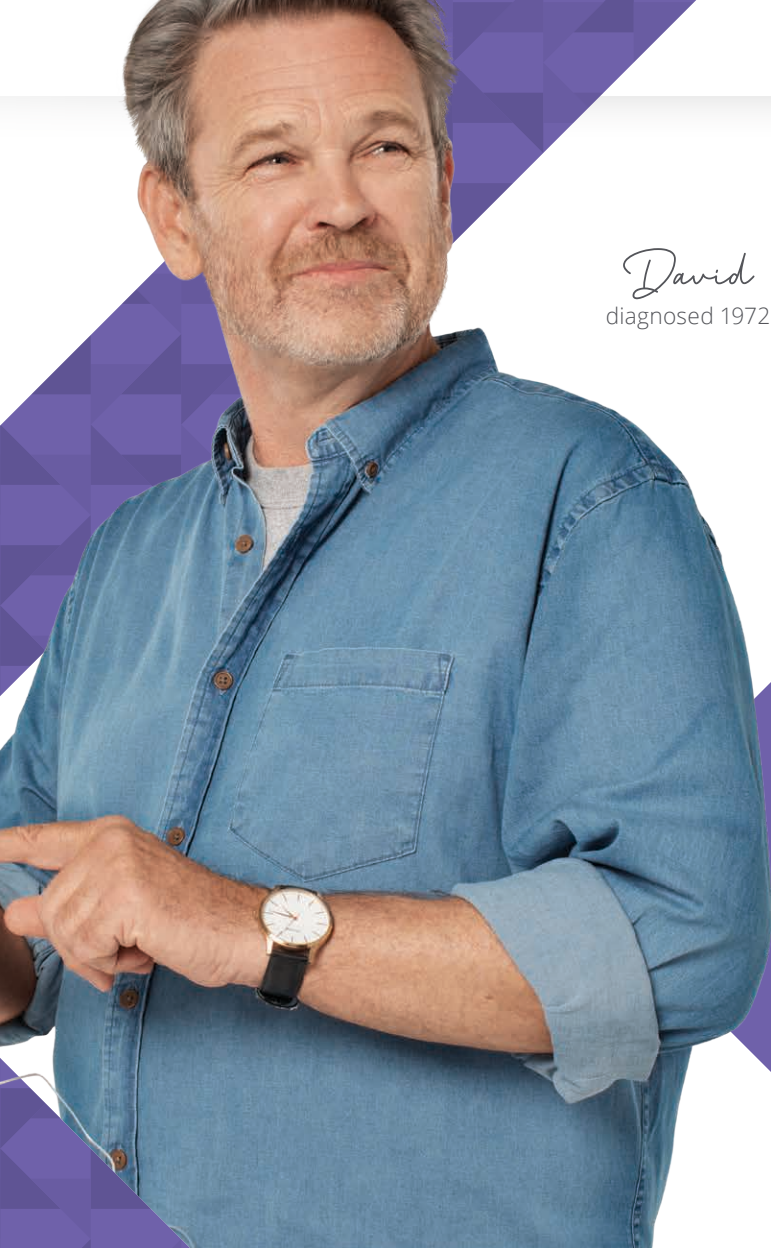
# Compare your pump options

Find the best fit for your lifestyle and diabetes management needs.

	 <b>t:slim X2 pump with Control-IQ Technology</b>		 <b>t:slim X2 pump with Basal-IQ Technology</b>	
Predicts and helps prevent highs		•		
Sleep and Exercise Activity settings		•		
Predicts and helps prevent lows		•		•
Compatibility with Dexcom G6 CGM		•		•
Remote software updates		•		•
t:connect web application / t:connect mobile app		•		•
Color touchscreen		•		•
Ultra-strong, watertight aluminum enclosure		•		•
Rechargeable battery		•		•
Programmable high and low alerts		•		•
Six unique personal profiles		•		•

**NOTE:** t:slim X2 insulin pumps purchased with Basal-IQ technology can be updated to Control-IQ technology using the Tandem Device Updater. t:slim X2 pumps purchased with (or updated to) Control-IQ technology cannot revert to Basal-IQ technology.





*David*  
diagnosed 1972

## Download a virtual demo

The t:simulator™ app lets you experience the simple touch-screen interface of the t:slim X2 pump using your mobile device.



## Responsible use of predictive technologies

**Basal-IQ technology** is not a substitute for active diabetes management and does not prevent hypoglycemia in all scenarios. Basal-IQ technology does not predict hyperglycemia. Basal-IQ technology will not be able to predict glucose levels and suspend insulin delivery if your CGM is not working properly or is unable to communicate with your pump. Always pay attention to your symptoms and blood glucose levels and treat according to your healthcare provider's recommendations.

**Control-IQ technology** does not prevent all high and low blood glucose events, and is not a substitute for meal boluses and active self-management of your diabetes. Control-IQ technology will not be able to predict sensor glucose values and adjust insulin dosing if your CGM is not working properly or is unable to communicate with your pump. Always pay attention to your symptoms and blood glucose levels and treat accordingly. Please visit [tandemdiabetes.com/tslimX2-use](https://tandemdiabetes.com/tslimX2-use) for more information.



# It's easy to get started

To begin the process, simply visit:  
[tandemdiabetes.com/getstarted](https://tandemdiabetes.com/getstarted)

- 1 Fill out and submit the online form, or complete the enclosed form.
- 2 Send it with a copy of your insurance card (front and back) via mail or fax.
- 3 We will work with your insurance company to determine your benefits and with your healthcare provider to obtain your prescription.

## Technical specification highlights

### PHYSICAL CHARACTERISTICS

Weight	3.95 ounces (with full 300-unit cartridge)
Insulin	≤300 units for use with U-100 Humalog or Novolog

### SAFETY FEATURES

Alarms	Adjustable volume, visual, vibratory
Alerts/Reminders	High BG (blood glucose), Low BG, After Bolus BG, Missed Meal Bolus, Infusion Set Change

### INSULIN DELIVERY

Personal Profiles	Six customizable profiles
Timed Settings	16 timed settings per Personal Profile
Adjustable Settings	Basal rate, correction factor, carb ratio, target BG
Insulin Duration***	Two to eight hours in one-minute increments
Bolus Calculator	Integrated calculator with numeric keypad
Bolus Increments	0.01 units (at volumes greater than 0.05 units)
Insulin Sensitivity Factor	1:1 to 1:600 mg/dL (1 mg/dL increments)
Insulin-to-Carb Ratio	1:1 to 1:300 grams (0.1 increments below 10 grams)
Maximum Bolus Size	25 units (with an option for an additional 25 units)
Basal Rate Increments	0.001 units at programmed rates >0.1 units/hour
Maximum Basal Rate	15 units/hour
Temporary Basal Rate***	15 minutes to 72 hours (range 0 – 250%)

\*As measured by CGM. † Additional feature updates are not currently available for the t:slim X2 pump with Control-IQ technology and are subject to future FDA approvals. A prescription and additional training may be required to access certain future software updates. Charges may apply. Offer only available to customers who reside in the United States, who are in warranty at the time they update their pump. ‡ Tested to 3 feet for 30 minutes (IPX7 rating). § 38% smaller than MiniMed 630G and 670G and at least 28% smaller than MiniMed 530G, Animas Vibe and Omnipod System. Data on file, Tandem Diabetes Care. ^ If your glucose alerts and readings from the G6 do not match symptoms or expectations, use a blood glucose meter to make diabetes treatment decisions. \*\* If glucose values are predicted to be above 180 mg/dL, Control-IQ technology calculates a correction bolus using the Personal Profile settings and a target of 110 mg/dL and delivers 60% of that value. It will do this up to once per hour as needed. †† Following your shared data requires the Dexcom Follow app. Internet connectivity required for data sharing. Followers should always confirm readings on the Dexcom G6 app or receiver (t:slim X2 pump) before making treatment decisions. ‡‡ Transmitter can only be paired with one medical device (either a Dexcom receiver or t:slim X2 pump) and one consumer device (phone or tablet) at the same time. §§ Internet connectivity required for data sharing. To view a list of compatible devices, visit [www.dexcom.com/compatibility](http://www.dexcom.com/compatibility). ^^ The Dexcom G6 Sensor and Transmitter are water-resistant and may be submerged under eight feet of water for up to 24 hours without failure when properly installed. \*\*\* Insulin duration defaults to 5 hours when Control-IQ technology is turned on. ††† Temporary basal rates are not available when Control-IQ technology is turned on.

## References

1. Forlenza GP, Li Z, Buckingham BA, et al. Predictive low glucose suspend reduces hypoglycemia in adults, adolescents, and children with type 1 diabetes in an at-home randomized crossover study: Results of the PRO-LOG trial. *Diabetes Care*. 2018;41(10):2155-2161.
2. Brown SA, Kovatchev BP, Raghinaru D, et al. Six-month randomized, multicenter trial of closed-loop control in type 1 diabetes. *N Eng J Med*. 2019;381(18):1701-1717.
3. Brown, S. Clinical acceptance of the artificial pancreas: Glycemia outcomes from a 6-month multicenter RCT. 2019 ADA 79th Scientific Sessions, San Francisco, CA.
4. Dexcom G6 CGM System User Guide, 2018.
5. dQ&A USA Diabetes Connections Surveys, 2013-2018.

## Important Safety Information

Caution: Federal (USA) law restricts the t:slim X2 insulin pump, the t:slim X2 pump with Basal-IQ technology, and Control-IQ technology to sale by or on the order of a physician. The t:slim X2 pump, the t:slim X2 pump with Basal-IQ technology, and Control-IQ technology are intended for single patient use. The t:slim X2 pump, the t:slim X2 pump with Basal-IQ technology, and Control-IQ technology are indicated for use with NovoLog or Humalog U-100 insulin.

**t:slim X2 insulin pump:** The t:slim X2 insulin pump with interoperable technology is an alternate controller enabled (ACE) pump that is intended for the subcutaneous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in people requiring insulin. The pump is able to reliably and securely communicate with compatible, digitally connected devices, including automated insulin dosing software, to receive,

execute, and confirm commands from these devices. The pump is indicated for use in individuals 6 years of age and greater. **t:slim X2 insulin pump with Basal-IQ technology:** When used with a compatible integrated continuous glucose monitor (iCGM), the t:slim X2 insulin pump with Basal-IQ technology can be used to suspend insulin delivery based on CGM sensor readings. The t:slim X2 pump with Basal-IQ technology is indicated for use in individuals 6 years of age and greater. **Control-IQ technology:** Control-IQ technology is intended for use with a compatible integrated continuous glucose monitor (iCGM, sold separately) and ACE pump to automatically increase, decrease, and suspend delivery of basal insulin based on iCGM readings and predicted glucose values. It can also deliver correction boluses when the glucose value is predicted to exceed a predefined threshold. **Control-IQ technology is intended for the management of Type 1 diabetes mellitus in persons 14 years of age and greater.**

**WARNING:** Control-IQ technology should not be used by anyone under the age of six years old. It should also not be used in patients who require less than 10 units of insulin per day or who weigh less than 55 pounds.

Control-IQ technology and the t:slim X2 pump with Basal-IQ technology are not indicated for use in pregnant women, people on dialysis, or critically ill patients. Users of the t:slim X2 pump, the t:slim X2 pump with Basal-IQ technology, and Control-IQ technology must: be able and willing to use the insulin pump, CGM, and all other system components in accordance with their respective instructions for use; test blood glucose levels as recommended by their healthcare provider; demonstrate adequate carb-counting skills; maintain sufficient diabetes self-care skills; see healthcare provider(s) regularly; and have adequate vision and/or hearing to recognize all functions of the pump, including alerts, alarms, and reminders. The t:slim X2 pump, transmitter, and sensor must be removed before MRI, CT, or diathermy treatment. For additional important safety information, visit [tandemdiabetes.com/safetyinfo](http://tandemdiabetes.com/safetyinfo).

The t:connect mobile app is intended to be a secondary display for compatible Tandem Diabetes Care® insulin pumps and is capable of wirelessly uploading pump data it receives into the t:connect web application. The t:connect mobile app is not intended to control an insulin pump and is not intended to be a replacement for the information displayed on your insulin pump. Dosing decisions should not be made based on this device. The user should follow instructions on the continuous glucose monitoring system. This device is not intended to replace self-monitoring practices as advised by a physician.

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**t:simulator App**  
A free virtual pump demo

