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iLet Bionic Pancreas



What is a bionic pancreas?

It's the future of insulin therapy

The iLet is an automated insulin delivery system that reduces the need to make decisions about your diabetes management – because it makes the decisions for you.

No more:

- ⊗ Carb counting*
- ⊗ Carb ratios
- ⊗ Correction factors
- ⊗ Pre-set basal rates

or any of the other settings that might be overwhelming about other insulin delivery devices.

The iLet needs only **one number** – your weight.

After startup, the iLet learns about YOU – your basal insulin needs, how to correct you to target, and how much insulin you need for your meals. The goal of the iLet is to reduce the burden of diabetes management.

*User must be carb aware.

Is the iLet Bionic Pancreas right for you?

Are you:

- Recently diagnosed with type 1 diabetes?
- Injecting yourself multiple times a day?
- Frustrated with the work your pump requires?
- Struggling with carb counting?
- Open to using a CGM?
- Someone who doesn't have time to focus on your diabetes?
- Struggling to get closer to your diabetes goals?
- Apprehensive about diabetes technology and devices?
- Suffering from diabetes burnout?

Do you not like:

- Carb counting?
- Calculating correction doses?
- Trying to figure out your carb ratios?
- Constantly adjusting your pump settings?

If you answered yes, the iLet Bionic Pancreas may be right for you!

iLet works with
Dexcom G6 or G7

Why Go Bionic?

The **iLet Bionic Pancreas** automatically adjusts to your insulin needs so you don't have to.

What makes the iLet Bionic Pancreas different?



No carb counting

Instead of carb counting everything on your plate, the iLet just needs an estimate of the carbs in your meal – Usual for me, More or Less.



No corrections

The iLet makes the corrections for you. If you're trending high, it will automatically give you more insulin to bring you back in range. If you're trending low, it will reduce your current insulin dosage.



Dosing decisions made for you

The "Bionic" part of the iLet communicates with your CGM and makes all of the insulin dosing decisions—no carb counting, no correction factors, no adjustments.



Algorithms that learn you

Unlike other systems that simply react, the iLet is constantly learning and adapting to determine the right settings for you. It's like having a diabetes expert in your pocket!





Less Work = Less Stress

Can you imagine not having to check your blood sugar throughout the day or having to calculate insulin doses? With the iLet, you don't have to! It does all that for you so you have less work and more peace of mind.¹



Small but mighty

Small (2.3" x 3.5" x 0.6"), lightweight and easy to put in your pocket or clip to your clothing.



Talks to your Dexcom CGM

Your iLet communicates directly with your Dexcom CGM (G7 and G6) to know where your glucose is headed.



Water resistant

If you drop your iLet in water—no problem! It's protected in up to 12 feet of water for up to 30 minutes.

A day in the life with the iLet Bionic Pancreas

With diabetes, no two days are ever the same.

The iLet automatically adjusts to help keep your **glucose levels in control**, even in the craziness of everyday life.



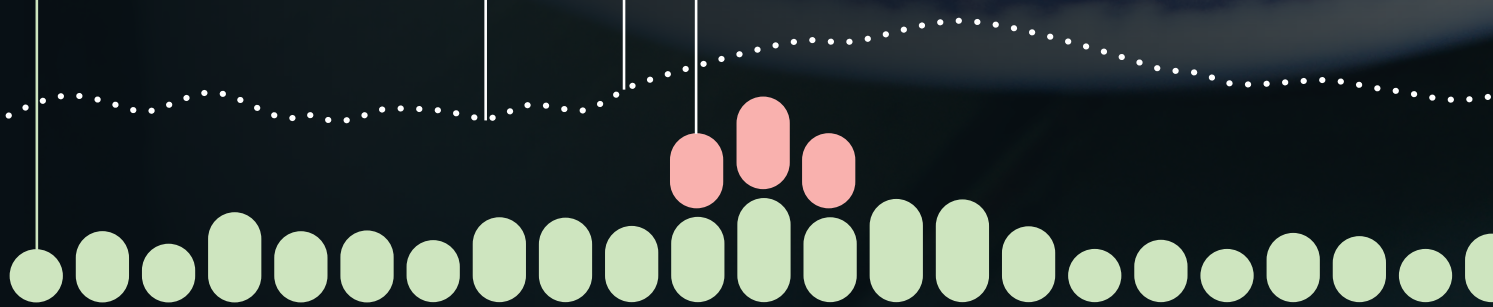
Gloria's iLet delivers small doses of insulin throughout the day

An apple for snack

Gloria's glucose rises slightly



The iLet senses this and delivers correction insulin



Basal dose



Correction dose

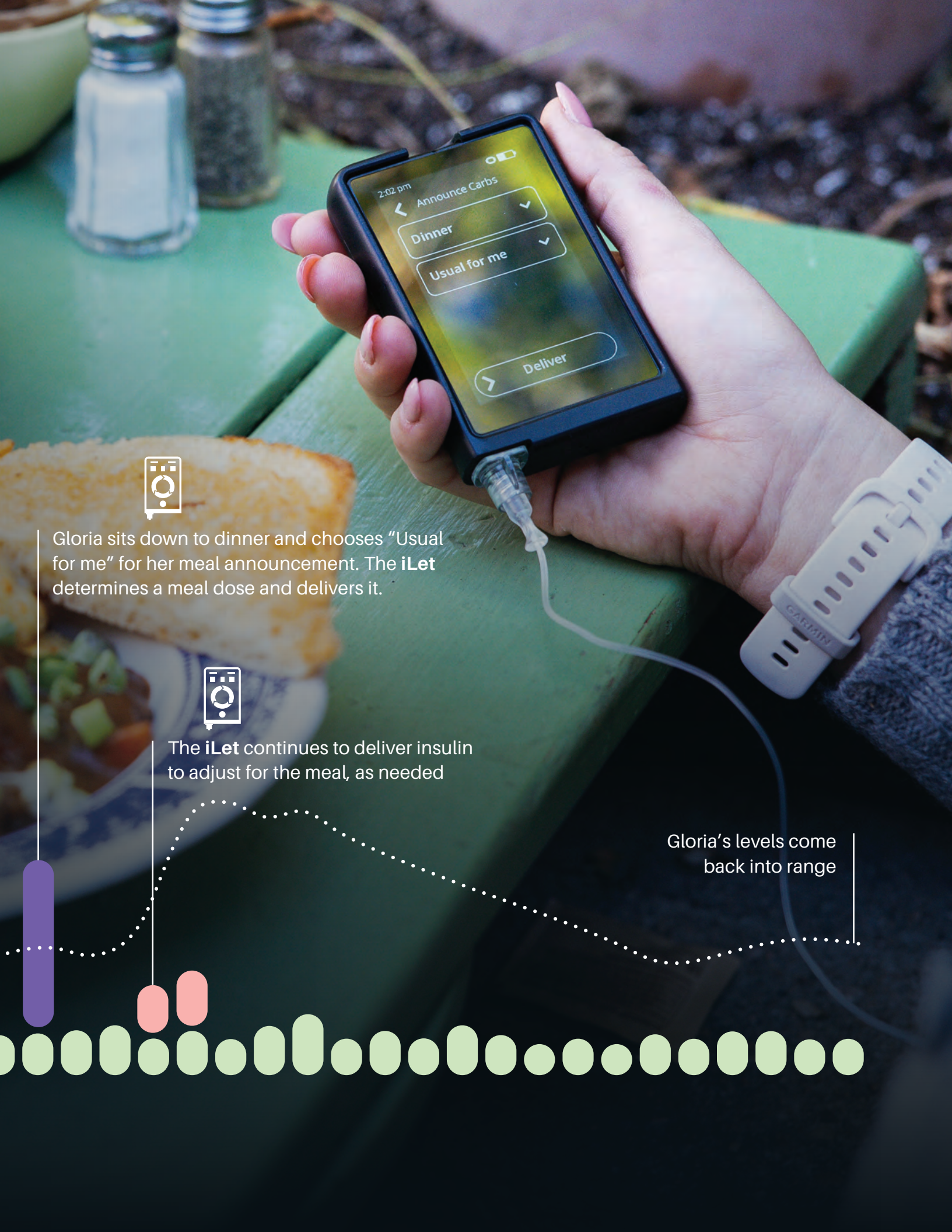


Meal dose



CGM





Gloria sits down to dinner and chooses "Usual for me" for her meal announcement. The iLet determines a meal dose and delivers it.



The iLet continues to deliver insulin to adjust for the meal, as needed

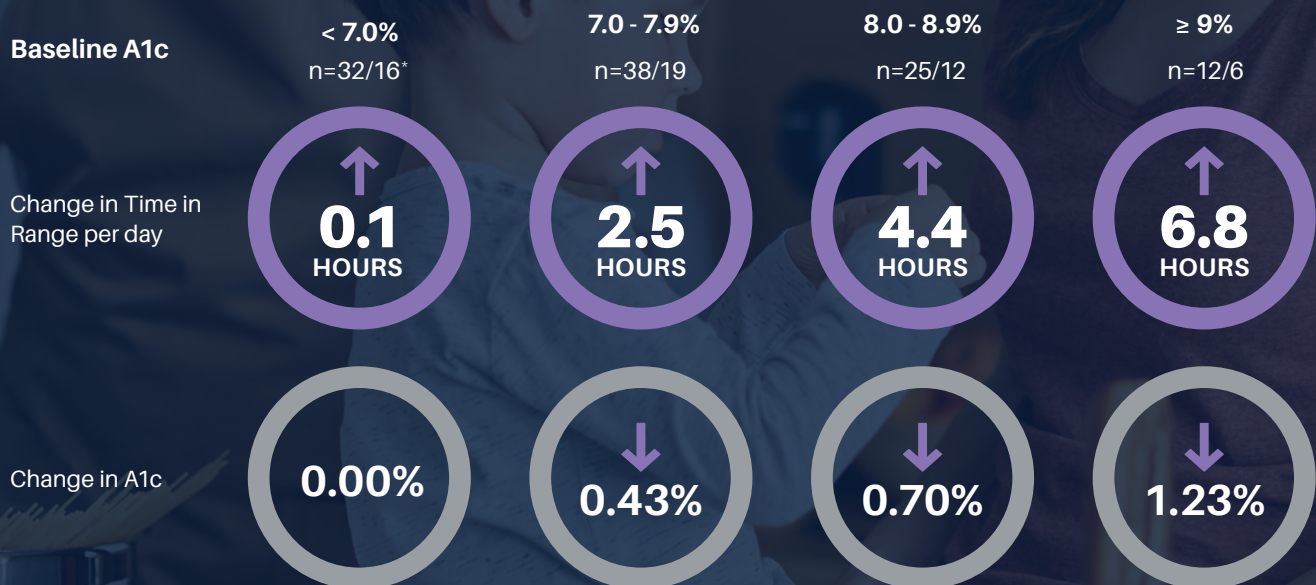
Gloria's levels come back into range



Pivotal Trial Results

Based on clinical trial results, adults using the iLet could experience almost **1,000 extra hours of time in range each year.**²

Time in Range and A1c improvement in Adults using the Bionic Pancreas with Humalog or Novolog³



“I don't think I had a clear sense of how much carb counting I do in my life until I didn't need to carb count*. And I found that to be an incredibly mentally freeing experience.”





- BOB, ILET BIONIC PANCREAS PIVOTAL TRIAL PATIENT

*User must be carb aware. Values are Mean Baseline Adjusted Difference. The study was not designed to evaluate the effect of the iLet Bionic Pancreas in subgroups by baseline HbA1c. Individual user results may vary from the average values shown here. *n=iLet/Standard of Care.

What makes the iLet different?

The **iLet Bionic Pancreas** is the only fully-automated insulin delivery system that makes 100% of dosing decisions and eliminates the settings your provider traditionally has to determine.

The iLet allows you to focus on living your life instead of focusing on diabetes. It's constantly adapting to you and your insulin needs and making diabetes decisions for you so that you don't have to.

	 iLet Bionic Pancreas ⁴	 Omnipod ⁵	 MiniMed 780G ⁶	 T:Slim X2 with Control IQ ⁷
Only one number required to start therapy	✓	✗	✗	✗
Learns and doses basal rates	✓	✓	✗	✗
No carb counting*	✓*	✗	✗	✗
Works with all Dexcom CGMs	✓	✗	✗	✓
Continuously adapts all insulin without user input	✓	✗	✗	✗
Learns and doses corrections	✓	✓	✗	✗
Automatically adjusts insulin dosing when your needs change - vacation, medications, sickness, stress, hormones, etc.	✓	✓	✗	✓

*User must be carb aware.

Hear from users how the iLet has helped them with their diabetes management.



“I feel like I have been relieved of guard duty. I have felt the weight of caring for my diabetes for 62 years, but I feel like I don’t have to do it anymore because it’s the iLet’s job to take care of me. The iLet is the best thing for me that has ever come around. It will change the way diabetes is managed and experienced.”†

JOE



“After being on the iLet for over 6 weeks, I no longer feel that I need to ‘babysit’ my insulin pump. I have a new sense of freedom and finally feel I can pay attention to my life vs. my diabetes. In the time I have been on the iLet, my A1C has dropped from 7.4 to 6.8. For me, the iLet has really dramatically increased my level of freedom from feeling mentally tethered to a device. I pay less attention to it and get better results than on my previous pump.”†

ELIANA

Beta Bionics



Photo credit: Cydney Scott

Letter from Ed Damiano

Inventor of the iLet Bionic Pancreas

More than twenty years ago, my wife diagnosed our son, David, with type 1 diabetes when he was just 11 months old. As a pediatrician, she recognized there was something gravely wrong with him, and we soon found ourselves in the pediatric intensive care unit coming to grips with how his life and ours had suddenly and forever changed.

In the years that followed, we checked his blood sugar 10 to 15 times a day and continually adjusted his insulin doses. We lived with the constant worry that one night he would have a little bit too much insulin at bedtime and hypoglycemia would take him from us while we slept.

So, as a father, and a professor of biomedical engineering, I set out to create a better way to deliver insulin with a device that would determine 100% of every insulin dose delivered. My hope was that such a technology would automatically deliver safe and effective glucose control and thus make type 1 diabetes less burdensome and less stressful.

On David's 24th birthday, the FDA cleared the iLet Bionic Pancreas and helped realize my vision of the device I wish I'd had when David was a child, but which he now has as a young adult. It has improved his glucose control and dramatically reduced his hypoglycemia*, making him safer, healthier, and happier in the process.

The iLet eliminates the need to carbohydrate count* or to set and adjust carb ratios, correction factors, or basal rates. It is already positively impacting people's lives, including ours. I hope you find it helpful, too.

Ed Damiano, PhD
Founder and Executive Chairman
Beta Bionics

*Individual results may vary. *User must be carb aware.

Are you ready to GO Bionic?



betabionics.com/get-started

Scan the QR Code

or call 855.745.3800 to get started.

Safety Information

The iLet® Bionic Pancreas System is indicated for use by people with type 1 diabetes 6 years of age and older. The iLet Bionic Pancreas requires prescription by a physician. Refer to the iLet Bionic Pancreas System User Guide at www.betabionics.com/user-guides, or for complete safety information including indications, contraindications, warnings, cautions, compatible devices, compatible drugs and instructions, refer to www.betabionics.com/safety. DO NOT start to use the iLet Bionic Pancreas System without adequate training. Incorrect use may result in over-delivery or under-delivery of insulin, which could lead to hypoglycemia or hyperglycemia.

Medical Disclaimer

This handout is for information only and is not a substitute for medical advice and/or services from a healthcare provider. All personal health care decisions and treatment should be discussed with a healthcare provider who is familiar with your individual needs.

Footnotes & References

1. Weissberg-Benchell J, Vesco AT, Shapiro J, et al. Psychosocial Impact of the Insulin-Only iLet Bionic Pancreas for Adults, Youth, and Caregivers of Youth with Type 1 Diabetes. *Diabetes Technol Ther.* 2023;25(10):705-717. doi:10.1089/dia.2023.0238

2. A Multicenter Randomized Trial Evaluating the Insulin-Only Configuration of the Bionic Pancreas in Adults with Type 1 Diabetes. *Diabetes Technology and Therapeutics* 2022; 24:697-711.

3. Russell SJ, Damiano ER, Calhoun P. Randomized Trial of a Bionic Pancreas in Type 1 Diabetes (response to Letters to the Editor). *New England Journal of Medicine* 2023; 388:380-382.

4. iLet Bionic Pancreas user guide.

5. Omnipod 5 user guide.

6. Minimed 780G user guide.

7. T: Slim X2 with Control IQ user guide.

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