

Medtronic Diabetes Insulin Pump Features:

Remote Control

Medtronic Insulin Pumps are the only pumps with remote control for convenient and discreet hands-off insulin bolus delivery at school, in meetings, or for run-around toddlers.



Bolus Wizard Calculator

Does the diabetes calculations for you and suggests an insulin dose (bolus) based on your current blood glucose level, carbohydrate intake and remaining active insulin. This feature helps you gain even better blood glucose control and helps prevent hypoglycaemia.

Other features include:

- uses one AAA battery
- comes in four colours
- has a child lock
- does millions of pump safety checks a day
- gives a low reservoir alert
- comes with a four year warranty

Medtronic Diabetes: Service

Medtronic Diabetes 24 hours Helpline

A team of Clinical Specialists to answer any question you may have about your pump - any day, any time.

About Medtronic Diabetes

Medtronic Diabetes is the **World Leader** in insulin pump therapy.

With our Clinical and Sales Specialist teams, 24 hour Diabetes product Helpline, and large research and development resources in insulin pump therapy, Medtronic Diabetes sets the standard in diabetes care.

For more information about Medtronic products and services, visit our website at

www.medtronic-diabetes.com.au

or call us on **1800 668 670** for an information pack



References:

1. Bode BW, Steed RD, Davidson PC. Reduction in severe hypoglycemia with long-term continuous subcutaneous insulin infusion in type 1 diabetes. *Diabetes Care*. 1996;19(4):324-7.
2. The Diabetes Control and Complications Trial Research Group. The effect of intensive treatment of diabetes on the development and progression of long-term complications in insulin-dependent diabetes mellitus. *N Engl J Med*. 1993;329(14):977-86.

You should always seek advice from your medical practitioner or Diabetes Nurse Educator to determine your suitability for insulin pump therapy.



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Insulin Pump Therapy for People with Type 1 Diabetes



What is the aim of insulin pump therapy in diabetes management?

Insulin pump therapy is a treatment that aims to closely mimic the insulin delivery of a healthy pancreas for more predictable and tighter blood glucose control.

Pump therapy is simple. It is based on what your body does naturally.

How does an insulin pump assist in the management of diabetes?

In certain patients, pump treatments have been shown to improve and stabilise blood glucose levels, through a more consistent supply of insulin. With multiple daily injections (MDI), it is not always clear how much insulin is being used as background insulin and how much is used for food. In pump therapy, the two are clearly separate.

Bolus and Basal Rate

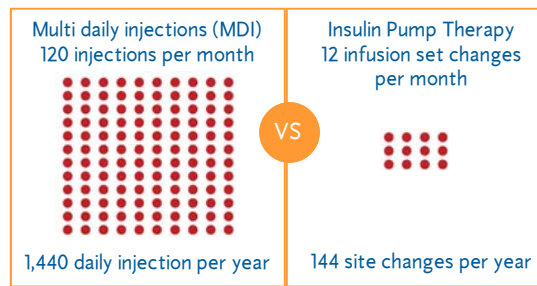
An insulin pump delivers a baseline amount of insulin continuously around the clock (called a basal rate) which can be programmed to deliver varying amounts of insulin to match activity levels. Extra insulin (called a bolus rate) can be delivered to match food intake. The bolus and basal dosages are personalised for each user.

Flexibility

It just takes a few button presses to vary the insulin flow altogether. Better control and more flexibility can facilitate an active lifestyle and improve quality of life. You do not need to eat a certain amount of food pre-determined by an injection you took some hours earlier.

Reduction in daily injections

An insulin pump **FREES YOU** from multiple daily injections and helps you to stay on target for good control.



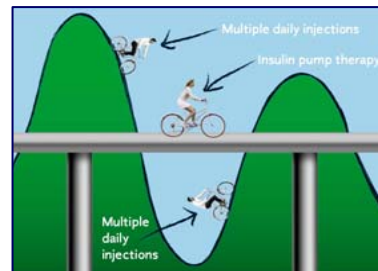
*Assumes four injections per day for 30 days

*Assumes one infusion set change every 2 or 3 days

What are the benefits of insulin pump therapy?

Reduction in hypoglycaemia

A major advantage of insulin pump therapy is a reduction in severe hypoglycaemic episodes decreasing by 84% after patients switched from multi daily injection to insulin pump therapy.¹



Reduction in HbA1c level

Insulin pump therapy can lead to major improvements in blood glucose control for patients with Type 1 diabetes, reducing HbA1c.

Having near-normal blood glucose control reduces your long-term risk of²:



Retinal Eye Disease by 76%



Nerve Disease by 60%



Kidney Disease by 56%

Improve quality of life

Compared with multiple daily injections, an insulin pump gives you more convenience, more control, more flexibility, and more freedom to live life your way.

What is an insulin pump?

An insulin pump is about the size and weight of a mobile phone. It holds a small cartridge called a "reservoir" that stores up to three days' worth of insulin. A battery provides power to a computer chip that acts as the insulin pump's "brain". It controls the continuous delivery of small doses of insulin.



How does an insulin pump work?

The insulin pump uses an infusion set with a tiny soft plastic tube called a "cannula". This cannula comfortably lies just beneath your skin. The infusion set is generally worn for two to three days at a time and then replaced. Pumps are worn continuously, 24 hours a day, but can easily be detached for showering, swimming and contact sports.



Is an insulin pump right for you?

An insulin pump may be right for anyone who takes insulin and wants better blood glucose control, as well as more flexibility. People with newly diagnosed diabetes, those new to insulin or those simply tired of injections can all benefit from insulin pump therapy. However, you have to be motivated to achieve better control, and willing to make blood glucose tests at least four times a day. HbA1c testing is also important with insulin pump therapy and should be tested at least every three months.