

# External Insulin Pumps

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•Diabetes is a disease in which a person's body does not produce enough insulin or in which a person's insulin does not function properly.

## Type 1:

- Results from the body's failure to produce insulin
- Occurs in 5-10% of Americans with diabetes

## •Type 2:

- Results from the body's failure to properly use insulin combined with relative insulin deficiency
- Occurs in 90-95% of Americans with

diabetes The symptoms of diabetes are:

- Having to urinate more than usual
- Increased thirst
- Increased hunger
- Losing weight without trying
- A tingling in hands or feet or numbing of the hands or feet
- Getting many yeast infections
- Needle/syringe
- Insulin Pens
- Insulin Jet Injectors
- External Insulin Pumps

The following devices are "under construction":

- Implantable Insulin Pumps
- Insulin Patch
- Inhaled Insulin Delivery Patch

## External Insulin Pumps:

- No age restrictions
  - Youngest user is 12 weeks
  - Oldest user is 88 years
- 99% of users say they feel better than before and would not give up the pump willingly
- Must be prescribed
- <http://www.childrenwithdiabetes.com/pumps/sets-cst.htm>•[http://www.minimed.com/patientfam/pdf/paradigm\\_511\\_User\\_Guide.pdf](http://www.minimed.com/patientfam/pdf/paradigm_511_User_Guide.pdf)•[http://www.disetronic-usa.com/pdf/ultraflex/ultraflex\\_brochure.pdf](http://www.disetronic-usa.com/pdf/ultraflex/ultraflex_brochure.pdf)•<http://www.minimed.com>•[http://theinsulinpump.com/FAQ\\_Bro.pdf](http://theinsulinpump.com/FAQ_Bro.pdf)

