

UNDERSTANDING DIABETES



422M people

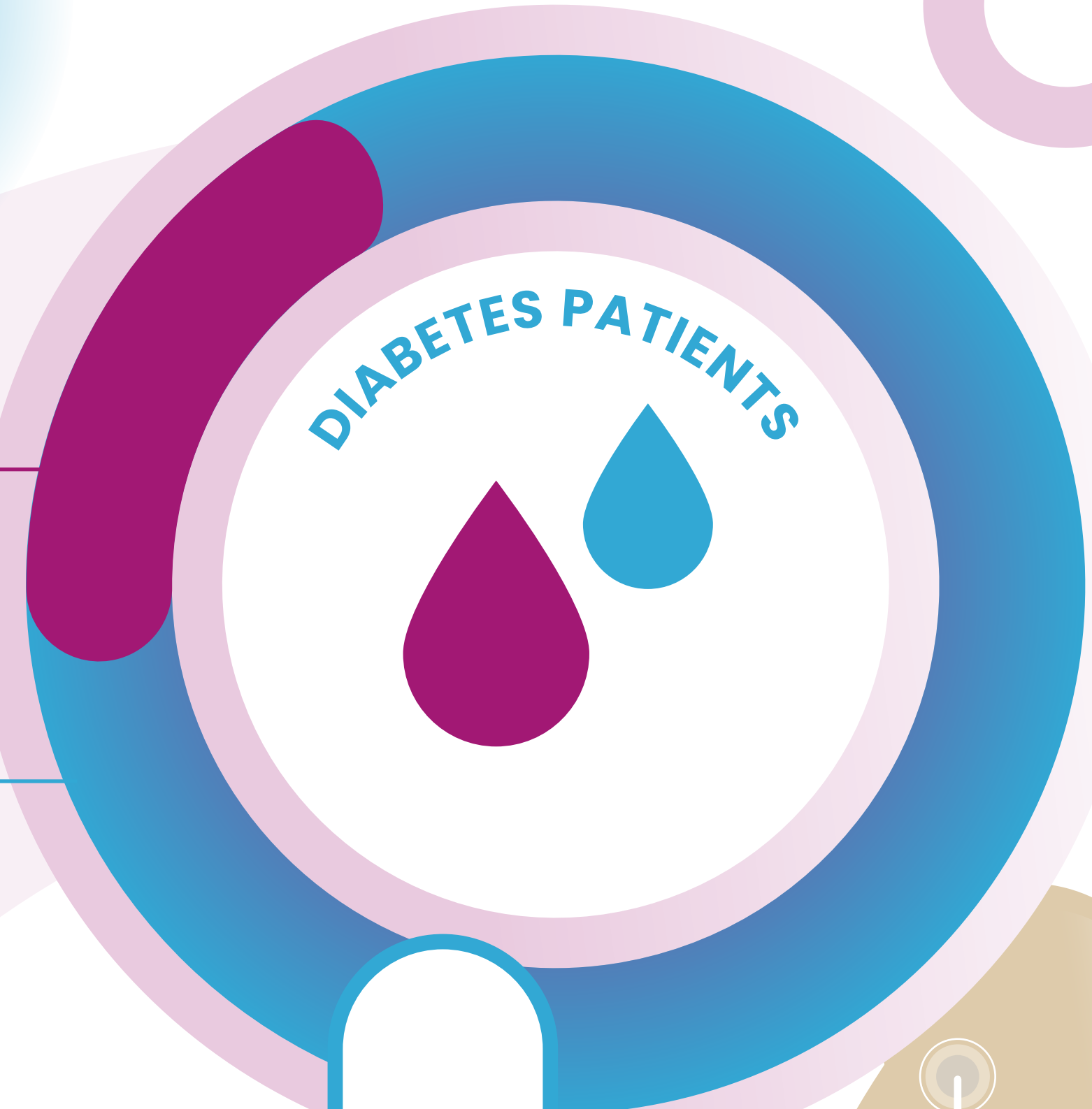
WORLDWIDE HAVE DIABETES

20%

INSULIN PUMPS
USERS

80%

TRADITIONAL PENS
AND SYRINGES USERS

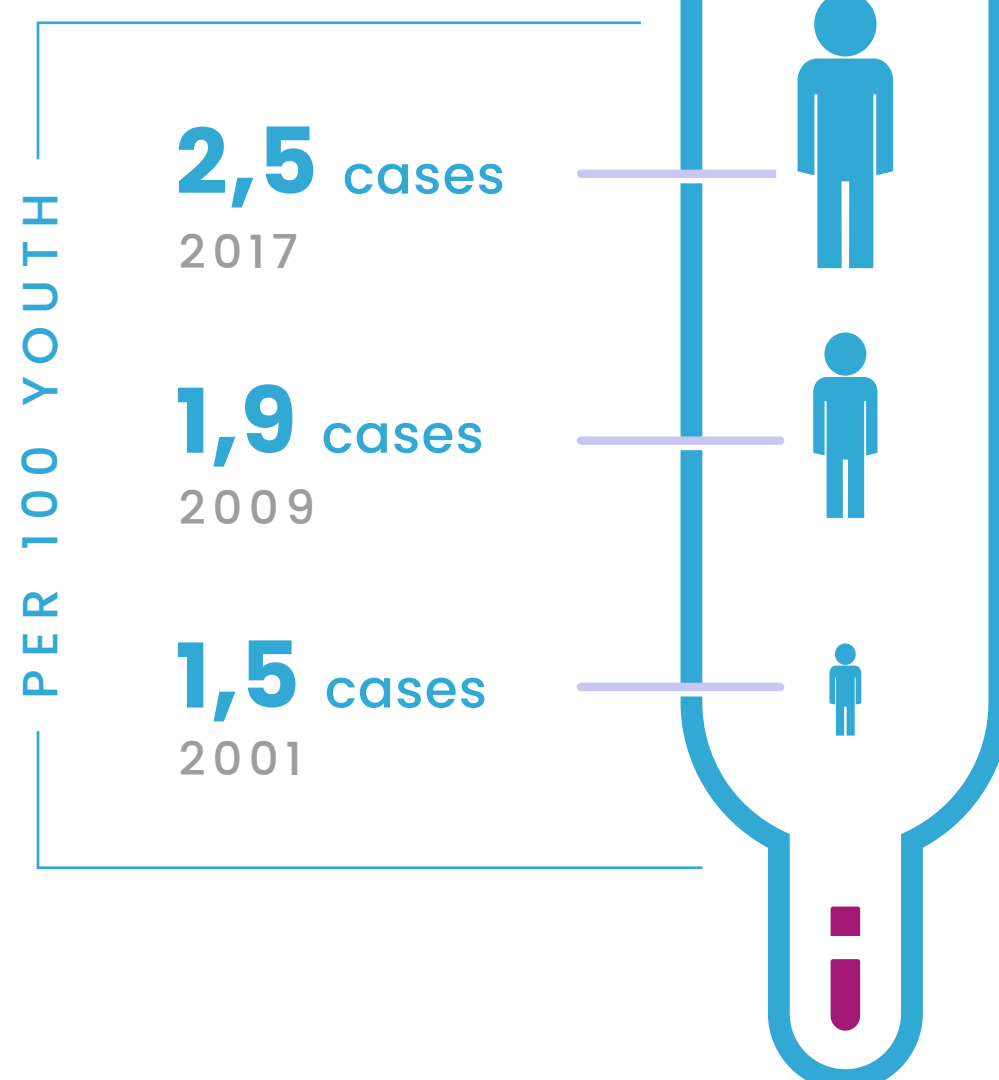


why?

✗ Big insulin pumps make the therapy visible

✗ Occlusions may lead to serious consequences

✗ Managing a pump therapy can be difficult, especially if done manually



Insulin patch devices represent an alternative to insulin daily injections with syringes or insulin pen, allowing reliable insulin therapy

Expected micro pump growth

FROM **1,5B\$** in 2020 TO **6,3 B\$** in 2028

Prisma

is a revolutionary thin film micropump

which can be used as an innovative pumping system in wearable insulin delivery devices. Prisma will introduce a breakthrough approach to the treatment of diabetic patients.

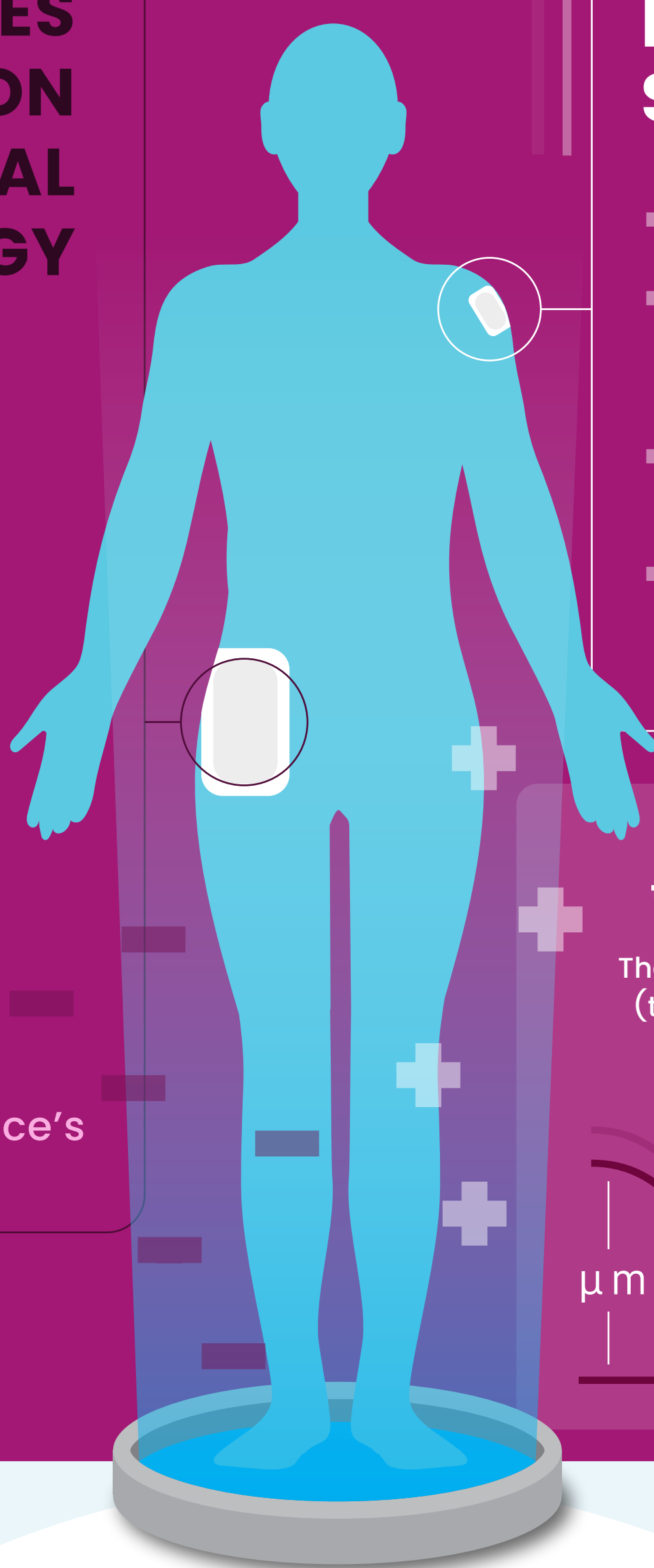
PUMP DEVICES BASED ON TRADITIONAL TECHNOLOGY

- ✗ Visible
- ✗ Non accurate
- ✗ Complex

The smallest pumps still occupy more than

50%

of the device's volume

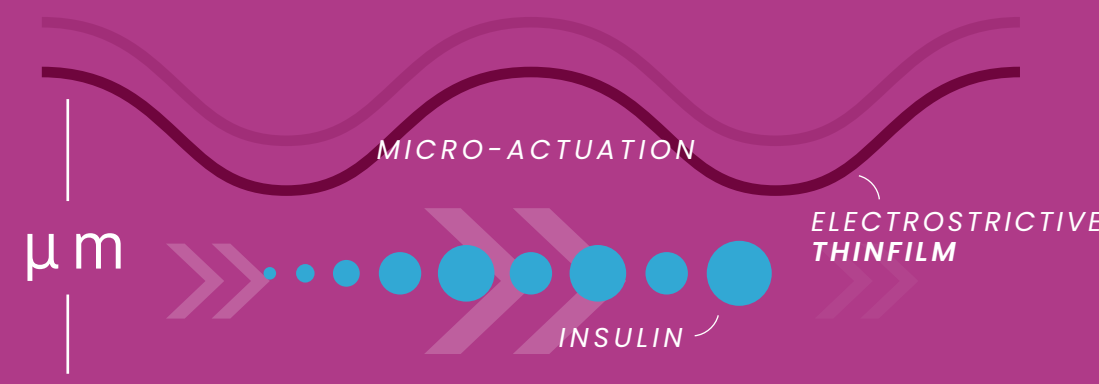


DEVICES BASED ON PRISMA MICRO PUMPING SYSTEM

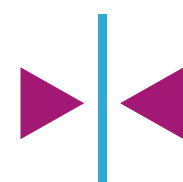
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How does Prisma thin microfilm pump work?

The electromechanically active materials (thin film) generate a micro-actuation, making the liquid flow forward.



How Prisma will improve insuline therapy:



Discreteness

The reduced size of Prisma allows for a free design of shapes that will result in a pump that the user can forget about



Reliability

The precise drug delivery will provide Prisma users with a reliable alternative to insulin pens



Simplicity

The reduced energy consumption, combined with the accuracy and size of Prisma, will allow for a better closed loop system that will simplify the user experience



Multi-hormone therapy

Thanks to the reduced size of the pump, the multi-hormone therapy will become a reality soon