



# Minimal dimensions



Made in Italy

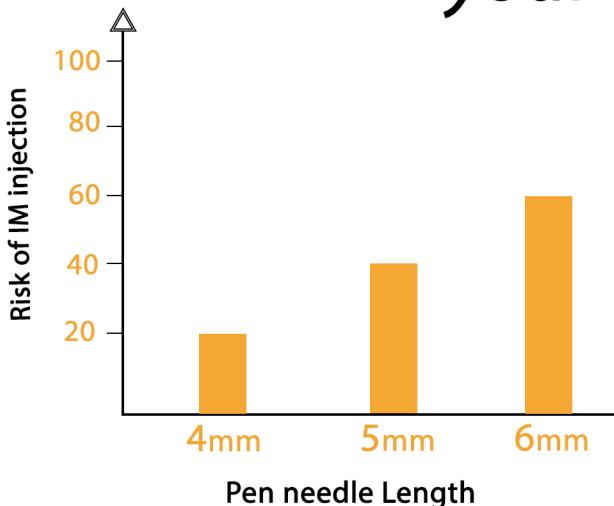


LBPC03-1905-1



The small dimensions, the new Extr3me tip geometry and the High Flow Thin Wall technology make the 33G pen needle a genuine key to freedom for diabetics. Freedom from the fear of injections, for a comfortable therapy.

# Pen needle: your choice matters!

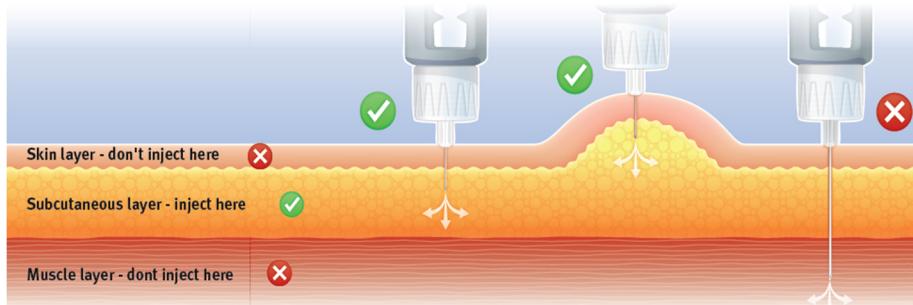


4 mm pen needle is considered the safest pen needle for adults and children regardless of age, sex, ethnicity, or BMI.<sup>(1)</sup>

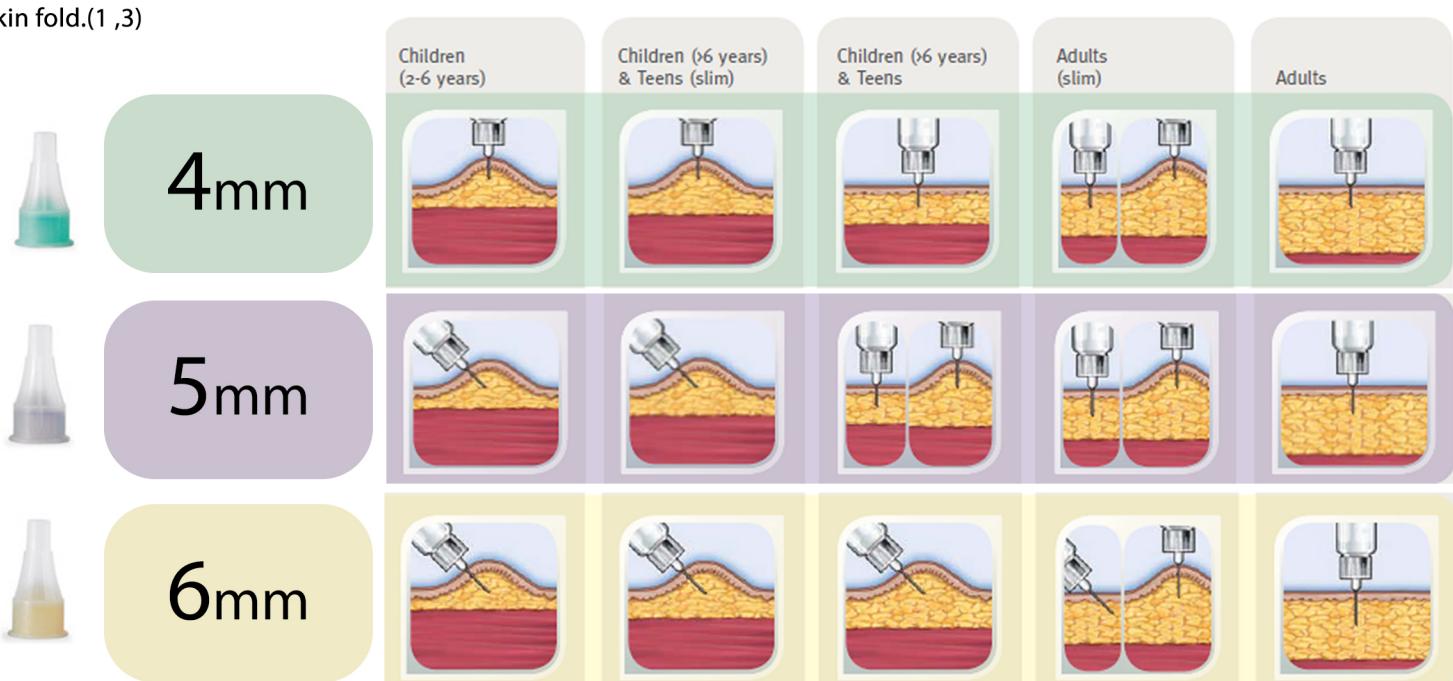
Figure 1: Risk of intramuscular injection (IM) in children 2-6 years old with no pinch up

## The skin thickness :<4mm in %10 of children, especially in the 2-6 yr group. <sup>(4)</sup>

Very young children (6 years old and under) and extremely thin adults (BMI<19) should use the 4mm needle by lifting a skin fold and inserting the needle perpendicularly into it.<sup>(2)</sup>



Children using pen needles  $\geq 5\text{mm}$  should be changed to 4 mm pen needles if possible; and if not, should always use a lifted skin fold.<sup>(1,3)</sup>



1. Frid AH, Kreugel G, Grassi G, Hallimi S, Hicks D, Hirsch LJ, et al. New Insulin Delivery Recommendations. Mayo Clin Proc. 55-1231;(9):91;2016.
2. <http://www.fit4diabetes.com>. FDw, FIT UK Recommendation2016.
3. Bahendeka S, Kaushik R, Swai AB, Otieno F, Bajaj S, Kalra S, et al. EADSG Guidelines: Insulin Storage and Optimisation of Injection Technique in Diabetes Management. Diabetes Therapy. 26-2019:1.
4. Lo Presti D, Ingegnosi C, Strauss K. Skin and subcutaneous thickness at injecting sites in children with diabetes: ultrasound findings and recommendations for giving injection. Pediatric diabetes. 33-525;(7):13;2012.