



# BD AutoShield Duo™ Safety Pen Needle

Improving safety and reducing needle stick injuries for healthcare workers<sup>1\*</sup>



ESSENTIAL TO HEALTH



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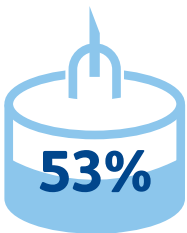
Your safety is important. When it comes to the risk of needlestick injuries (NSI), did you know that:



1 in 9 healthcare professionals sustain a NSI every year.<sup>2^</sup>

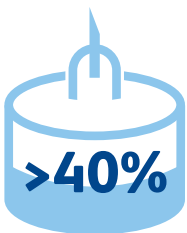


1 in 10 nurses reported being injured by the cartridge end of the needle.<sup>3</sup>

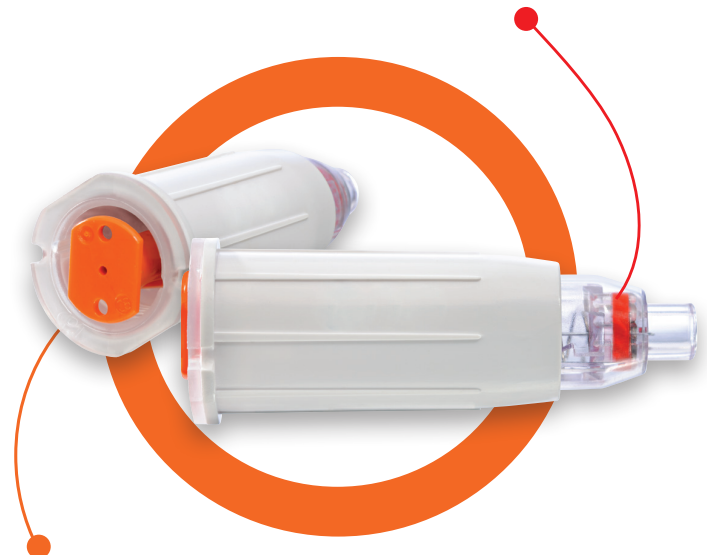


of sharps injuries in hospital are caused by needles<sup>4</sup>

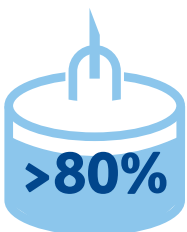
On the patient end, a **red** indicator band confirms the safety mechanism has been activated.



of NSIs are caused by insulin pen needles in care settings<sup>5</sup>



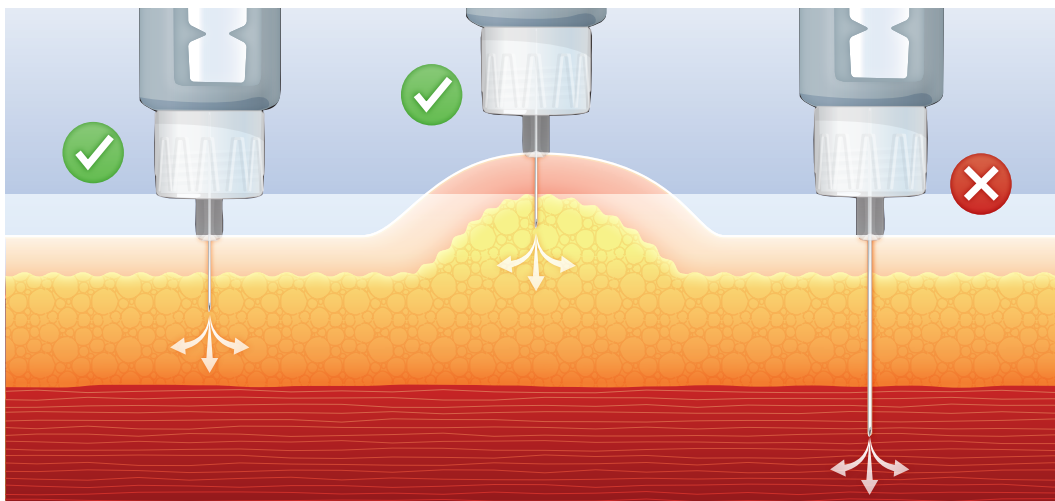
On the cartridge end, protection is confirmed when the **orange** shield covers the needle upon removal from the pen.



of NSIs happen during routine use or when replacing the needle cap<sup>5</sup>

<sup>^</sup> Based on an Australian study.

# Reduce the risk of intramuscular injection (IMI) to optimise treatment outcomes<sup>1,6</sup>



## Accidental IMI may result in:

- Hypoglycaemia
- Pain
- Bruising
- Bleeding

## The use of long needles, combined with incorrect injection technique increase the risk on IMI.<sup>6,7</sup>

12.7mm = 45% risk of IMI

8mm = 15.3% risk of IMI

6mm = 5.7% risk of IMI

Insulin should be injected into subcutaneous tissue for consistent absorption.

## Why a 5mm pen needle is preferred:

- Short 5mm pen needles are recommended by the Australian Diabetes Educators Association (ADEA).<sup>7</sup>
- A 5mm pen needle reduces the risk of IMI, is more comfortable, and provides equivalent glycaemic control compared to longer needles.<sup>1,6</sup>
- The BD AutoShield Duo™ Safety Pen Needle is suitable for adults, children and obese patients.<sup>1</sup>

# BD AutoShield Duo™ Safety Pen Needles are compatible with leading diabetes medication pens<sup>†</sup>



BD AutoShield Duo™ Safety Pen  
Needle 0.30mm (30G) x 5mm  
UOM: Each.  
EBOS Code: 21120964

The BD AutoShield Duo™ Safety Pen Needle is compatible with leading diabetes medication pens which enables facilities to reduce their pen needle inventory.<sup>‡</sup>

Always follow the instructions included in the packaging.

<sup>†</sup>Compared to non-safety pen needles.

<sup>‡</sup>As at January 2021.

#### References

1. Frid AH, Kreugel G, Grassi G, et al. New insulin delivery recommendations. *Mayo Clin Proc.* September 2016;91(9):1231-1255.
2. MTAA Use of safety-engineered medical devices (SEMDs) Devices. April 2013. Accessed online [www.mtaa.org.au/sites/default/files/uploaded-content/field\\_f\\_content\\_file/sharps\\_-\\_watermarked.pdf](http://www.mtaa.org.au/sites/default/files/uploaded-content/field_f_content_file/sharps_-_watermarked.pdf) October 2017.
3. Strauss K; WISE Consensus Group. WISE recommendations to ensure the safety of injections in diabetes. *Diabetes Metab.* 2012;38(suppl 1):S2-S8
4. EPINet Report for Needlestick and Sharp Object Injuries 2015. <https://international.safetycenter.org/exposure-reports/> Accessed 1 December 2017.
5. Kiss P, De Meester M, Braekman L. Needlestick injuries in Nursing Homes : The Prominent Role of Insulin Pens. *Infect Control Hosp Epidemiol* 2008; 29:1192-1194
6. Gibney MA, Arce CH, Byron KJ et al. *Curr Med Res Opin.* 2010;26(6):1519-1530.
7. Australian Diabetes Educators Association (ADEA). Clinical Guiding Principles for Subcutaneous Injection Technique, December, 2019.



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