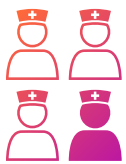


# Needlestick injuries from insulin injections are an ongoing threat to the safety of healthcare workers<sup>1</sup>



In a survey, **almost 1 in 4 nurses (~24%)** experienced a **needlestick injury** from giving injections to patients with diabetes<sup>1,2\*</sup>



In a study, insulin pens accounted for the **most frequent cause of needlestick injuries in nursing homes (40%)<sup>3†</sup>**

## Consequences run far beyond the moment of accidental needlestick injury<sup>1,4,5</sup>



### Biological

Needlestick injuries put healthcare professionals at risk of bloodborne pathogens, such as **HBV, HCV, and HIV<sup>4</sup>**



### Financial

Managing a needlestick injury incurs **direct and indirect costs**, with both present and future implications<sup>5</sup>



### Psychological

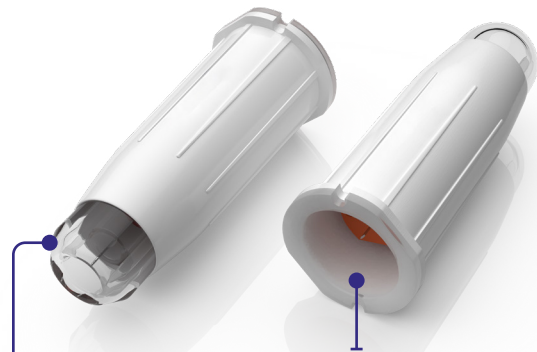
Needlestick injuries may leave a lasting impact on healthcare professionals' **emotional well-being<sup>1</sup>**

## Needlestick injuries occur at the front and back end of the pen needle.<sup>6</sup>

In a survey, 1 in 10 nurses reported a needlestick injury from the back end of a pen needle.<sup>6†</sup>

# The BD AutoShield Duo™ Safety Pen Needle automatically conceals both ends of the needle after use, reducing the risk of accidental needlestick injury

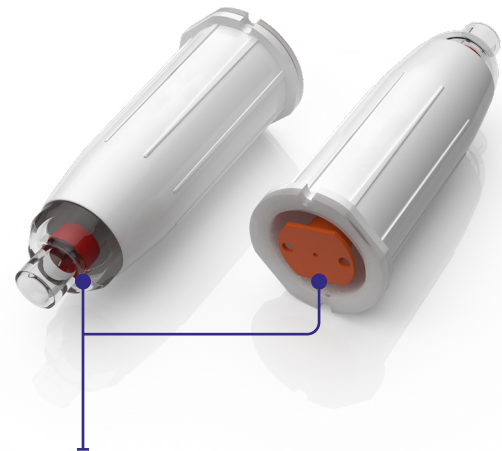
## Before injection



Compatible with widely used insulin pens in diabetes treatment<sup>7</sup>

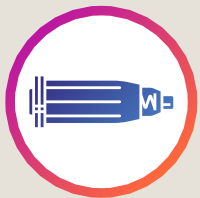
Clear safety shield covers the needle prior to injection, while enabling user to visualise the needle

## After injection



Red indicator band and orange shield confirm protection on both ends

The BD AutoShield Duo™ Safety Pen Needle features a 5mm needle. Using 5mm safety pen needles without a pinch-up technique is recommended, minimising the risk of needlestick injury through a skinfold.<sup>8§</sup>



## embecta is committed to being your trusted safety partner for diabetes injections

embecta offers a multifaceted approach to needlestick injury prevention with BD AutoShield Duo™ Safety Pen Needles supported by comprehensive resources, education, and training.



\*400 nurses in 381 different hospitals in the US voluntarily completed a survey. <sup>†</sup>The study was conducted in 45 nursing homes from April 2002 through December 2007. <sup>‡</sup>Survey of 634 nurses in 13 countries in western Europe and Russia who inject diabetes treatment. <sup>§</sup>Patients ≤6 years old and very thin adults may require a pinch-up.

1. Frid AH, Kreugel G, Grassi G, et al. New insulin delivery recommendations. *Mayo Clin Proc.* 2016 (suppl appendix 14):1-3. 2. Lee JM, Botteman MF, Nicklasson L, Cobden D, Pashos CL. Needlestick injury in acute care nurses caring for patients with diabetes mellitus: a retrospective study. *Curr Med Res Opin.* 2015;21(5):741-747. 3. Kiss P, De Meester M, Braeckman L. Needlestick injuries in nursing homes: the prominent role of insulin pens. *Infect Control Hosp Epidemiol.* 2008;29:1192-1194. 4. Yang L, Mullan B. Reducing needle stick injuries in healthcare occupations: an integrative review of the literature. *ISRN Nursing.* 2011:1-11. 5. Mannocci A, De Carli G, Di Bari V, et al. How much do needlestick injuries cost? A systematic review of the economic evaluations of needlestick and sharps injuries among healthcare personnel. *Infect Control Hosp Epidemiol.* 2016; 37:635-646. 6. Costigliola V, Frid A, Letondeur C, Strauss K. Needlestick injuries in European nurses in diabetes. *Diabetes Metab.* 2012;38:S9-S14. 7. BD Pen Needle Compatibility Status Summary with Diabetes Care & Non-Diabetes Drug Delivery Devices; Document Number: 149OTH-0004-02 Rev W Dated: 02 Feb 2021. 8. Frid AH, Kreugel G, Grassi G, et al. New insulin delivery recommendations. *Mayo Clin Proc.* 2016;91(9):1231-1255.

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