Introduce your patients to BD Nano™ Ultra-Fine™ Pen Needles today

 recent recommendations published in *Mayo Clinic Proceedings* state that the shortest pen needle available (currently 4 mm) is the safest for all patient categories.¹

**EasyFlow™ Technology**

Allows for up to 149% higher insulin flow and less thumb force when performing an injection²:

**PentaPoint™ Comfort**

Requires less penetration force for a more comfortable injection³:

**BD Nano™ Pen Needles**

Allow for a one-handed, no-pinch-up technique injection,⁴ providing access to more injection sites and facilitating proper site rotation⁴:

Covered by most health plans at the preferred co-pay, including Medicare Part D⁵

Compatible with leading pen injection devices⁵

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¹ Compared to regular and thin walled comparator pen needles
² Compared to 3-bevel needles
³ Consult the Instructions for Use and/or your healthcare provider about proper injection technique.
⁴ Co-pays and preferred status vary by plan.

Only BD Nano™ Pen Needles combine two technologies for an optimized injection experience²,³

**Thin wall**

**Extra-thin wall**

**PentaPoint Comfort 5-bevel needle tip**

**1 2 3 4 5**

**32 G**
Introduce your patients to BD Veo™ Insulin Syringes with BD Ultra-Fine™ 6 mm needle today

- Our shortest insulin syringe needle available—in line with recent clinical recommendations
- Approximately 8x-lower risk of intramuscular (IM) injections
- 6 mm x 31G needle designed for a more comfortable injection

Per recent recommendations published in Mayo Clinic Proceedings:

“The shortest insulin syringe needle available (currently 6 mm§) is the safest for all patient categories.”1

Select barrel capacity based on largest daily insulin dose

Choose the insulin syringe capacity based on the patient’s largest daily insulin dose

Where possible, keeping the barrel size at least five units larger than your patient’s largest daily dose helps minimize both plunger pull-out and potential medication waste.

<table>
<thead>
<tr>
<th>Dosage units</th>
<th>Recommended insulin syringe capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 25 units</td>
<td>3/10 mL (Half-unit scale) or 3/10 mL (one-unit scale)</td>
</tr>
<tr>
<td>26–45 units</td>
<td>1/2 mL</td>
</tr>
<tr>
<td>46–100 units</td>
<td>1 mL</td>
</tr>
</tbody>
</table>

BD® Insulin Syringes with BD Ultra-Fine™ needle are available in all barrel capacities

Most patients prefer BD Veo™ Insulin Syringes with BD Ultra-Fine™ 6 mm needle over longer needles6

Covered by most health plans at the preferred co-pay, including Medicare Part D†

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* Compared to a 12.7 mm needle, when inserted at 90° without a pinch-up technique in an adult population.
† Compared to longer insulin syringe needles.
‡ Co-pays and preferred status vary by plan.
§ Excluding safety syringes.
It’s important for patients to inject with the **shortest** needles available...

- Insulin is meant to be injected into the fat layer just below the skin for consistent absorption.
- Shorter needle lengths (6 mm or less) decrease the risk of injecting into the muscle.

![Diagram of injection sites](image)

**Calculated probability of IM injection by needle length**

<table>
<thead>
<tr>
<th>Needle length</th>
<th>Probability</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 mm</td>
<td>0%</td>
</tr>
<tr>
<td>5 mm</td>
<td>0.5%</td>
</tr>
<tr>
<td>6 mm</td>
<td>2%</td>
</tr>
<tr>
<td>8 mm</td>
<td>5.5%</td>
</tr>
<tr>
<td>12.7 mm</td>
<td>45%</td>
</tr>
</tbody>
</table>

* Compared to longer needles.
† A needle inserted at 90° without a pinch-up technique in an adult population.
‡ Rounded up to the nearest half percent.
§ Rounded down to the nearest half percent.

...Counsel patients on injection technique based on needle length...

**Shorter needle length**

Patients don’t need to use a pinch-up technique. Inject at 90° (straight in) to the skin.4

- 4 mm and 5 mm

**Longer needle length**

Patients should use a pinch-up technique. Inject at 90° (straight in) to the pinch-up.

- 6 mm, 8 mm and 12.7 mm

**Proper injection technique matters**

**No pinch-up technique**

When no pinch-up technique is used – explain to patients the importance of proper needle insertion force technique:1

- A correct no pinch-up technique requires light pressure when inserting the needle into the skin, just touching the pen needle base to the skin.

**Pinch-up technique**

- A correct pinch-up is made by lifting the skin with the thumb and index finger. If the skin is lifted using the whole hand, muscle may be lifted as well as subcutaneous tissue, which can lead to IM injections.

The pinch-up should be held until the injection is complete and the needle has been removed from the skin.3

* Consult the Instructions for Use and/or your healthcare provider about proper injection technique.
Lipohypertrophy (lipo) and insulin injections

Lipo is one of the most common complications of insulin injections.

In one study, almost 2/3 of all people who inject insulin had some degree of lipo.7

- **76%** of type 1 diabetes patients had lipo
- **56%** of type 2 diabetes patients had lipo

Lipo can affect diabetes management

- **22% or more** than 1/5 of the insulin injected into lipo was not absorbed into the body8
- **40%** of people with lipo experienced unexplained hypoglycemia compared to 6% of people without lipo7

What can lead to lipo?

A large international survey of people who inject insulin found that there are three independent risk factors that make people more likely to develop lipo. Two of the most common are:9*

- Not rotating injection sites correctly
- Reusing needles

* No causal link has been established between these factors and the development of lipohypertrophy
Encourage your patients to replace their needle every time they inject

You can help your patients reduce their risk of developing lipo by reminding them to:

1. Replace their needle every time they inject
2. Rotate their injection sites

Insulin syringes and pen needles are designed for single use and should only be used once—they are no longer sterile after use. In a study, the more patients reused their needles, the more likely they were to develop lipo.

A recent study of structured insulin injection technique training - including counseling on:

- using a shorter needle length
- using a new needle with each injection
- site rotation

resulted in an A1c reduction of 1% at 6 months.

Encourage your patients to follow proper injection site rotation

It’s important to rotate injections within each area and between areas on a regular basis.

The abdomen, thighs, arms and buttocks are generally recommended injection areas.

1. Choose an area.
2. Divide that area into four sections.
3. Select an injection site in a section to start injecting. Use one section per week.
4. Inject one finger width away from your last injection.
BD Ultra-Fine® Pen Needles

- BD® AutoShield Duo™ Pen Needles
  - 8 mm x 31G, 100 ct. box (10 x 10 count packaging)
  - BD® Ultra-Fine™ Short Pen Needles
    - 6 mm x 32G
  - BD® Ultra-Fine™ Micro Pen Needles
    - 4 mm x 32G
- BD® Nano® Ultra-Fine® Pen Needles
  - 4 mm x 330

BD Insulin Syringes with BD Ultra-Fine™ needle

- BD® Insulin Syringes with BD Ultra-Fine™ needle
  - 8 mm x 31G, 100 ct. box (10 x 10 count packaging)
  - BD® Insulin Syringes with BD Ultra-Fine™ needle
    - 6 mm x 31G, 100 ct. box (10 x 10 count packaging)
  - BD® Insulin Syringes with BD Ultra-Fine™ needle
    - 5 mm x 31G

BD immunization syringes

- BD® Integra™ 3 mL Syringe with Detachable Needle
  - 1 mL: (100 units), 25 ga x 3/8 in
  - 1/2 mL: (50 units), 27 ga x 1/2 in

BD TB syringes

- BD SafetyGlide™ 1 mL Tuberculin with Permanently Attached Needle
  - 27G x 1/2 in.
  - 26G x 3/8 in.

BD Veritor™ Plus System

- BD Veritor™ Plus An-B Kit
  - 10 tests per kit
  - BD Veritor™ Plus A&B Kit
  - 30 tests per kit

BD safe sharps disposal

- BD® Home Sharps Container
  - Includes postage-paid mailing box

BD accessories

- BD® Macro™ Contact-ACTivated Lancet
  - 1.5 mm x 30G
- BD® MicroMate™ Alcohol Swabs
  - BD® Magni-Guide™ Insulin Syringe Guide

BD Veritor™

- BD Veritor™ Plus An-B Kit
  - (30 tests per kit)

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  - (30 tests per kit)
BD Diabetes product reorder numbers

**BD Ultra-Fine™ Pen Needles**
- BD Nano™ Ultra-Fine™ 4 mm x 32G
- BD Nano™ Ultra-Fine™ 3 mm x 32G
- BD Nano™ Ultra-Fine™ 2 mm x 32G
- BD Nano™ Ultra-Fine™ 1.7 mm x 32G (with dual-valved safety feature)
- BD Accu-Fill™ Duo Pen Needle 6 mm x 30G

**BD Insulin Syringes with BD Ultra-Fine™ needles**
- BD Veritor™ Strep CLIA – waived kit
- BD Magni-Guide™ Insulin Syringe Scale Magnifier & Needle Guide
- BD Veo™ Insulin Syringes with BD Ultra-Fine™ needle 6 mm x 31G; 1 mL
- BD Veo™ Insulin Syringes with BD Ultra-Fine™ needle 6 mm x 31G; 3/10 mL Half-unit scale
- BD Veo™ Insulin Syringes with BD Ultra-Fine™ needle 3 mm x 31G; 1 mL
- BD Veo™ Insulin Syringes with BD Ultra-Fine™ needle 3 mm x 31G; 1/2 mL
- BD Veo™ Insulin Syringes with BD Ultra-Fine™ needle 1.7 mm x 29G; 1 mL
- BD Ultra-Fine™ Mini 5 mm x 31G
- BD SafetyGlide™ 1 mL Tuberculin Syringe with 26 G x 3/8 in.
- BD SafetyGlide™ 1 mL Tuberculin Syringe with 27 G x 1/2 in.
- BD Allergy Syringe with 28 G x 1/2 in. Regular Bevel; 1 mL
- BD Sharps Disposal by Mail, 1.4 Quart
- BD Home Sharps Container
- BD Insulin Syringes with BD Ultra-Fine™ needle 12.7 mm x 30G; 3/10 mL Half-unit scale
- BD Insulin Syringes with BD Ultra-Fine™ needle 8 mm x 31G; 3/10 mL Half-unit scale
- BD Insulin Syringes with BD Ultra-Fine™ needle 8 mm x 31G; 1/2 mL
- BD Insulin Syringes with BD Ultra-Fine™ needle 6 mm x 31G; 1/2 mL
- BD Insulin Syringes with BD Ultra-Fine™ needle 6 mm x 31G; 1 mL
- BD Insulin Syringes with BD Ultra-Fine™ needle 3 mm x 31G; 1 mL
- BD Insulin Syringes with BD Ultra-Fine™ needle 3 mm x 31G; 1/2 mL
- BD Insulin Syringes with BD Ultra-Fine™ needle 1.7 mm x 29G; 1/2 mL

**BD accessories**
- BD Alcohol Wipes; 100 count
- BD Insulin Syringe Scalpel Magnifier & Needle Guide
- BD MoreCare® Content-Activated Safety 1.5 mm x 30G
- BD Insulin Syringe with Detachable 25 G x 5/8 in. Needle
- BD Insulin Syringe with Detachable 25 G x 1 in. Needle
- BD EdgeGuard® 25 G x 1 in. Needle
- BD SafetyGlide® 25 G x 5/8 in. Needle
- BD SafetyGlide® 25 G x 1 in. Needle
- BD Tuberculin and Algerine syringes
- BD Veo™ Slim CVA – insulin kit
- BD Veo™ Slim CVA – insulin kit

**Becton Dickinson**
- BD Veritor™ System
- BD Veo™ Flex Analyzer
- BD Veo™ Flex CVA – insulin kit
- BD Veo™ Slim CVA – insulin kit
- BD Veo™ Accu-Chek® Klik
- BD Veritor™ System
- BD Veo™ Flex CVA – insulin kit
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- BD Veo™ Flex Analyzer
- BD Veo™ Flex CVA – insulin kit
- BD Veo™ Slim CVA – insulin kit

**Becton Dickinson**
- BD Veritor™ System
- BD Veo™ Flex Analyzer
- BD Veo™ Flex CVA – insulin kit
- BD Veo™ Slim CVA – insulin kit
- BD Veo™ Accu-Chek® Klik
Helping your patients better manage their diabetes

Sharing your knowledge of proper insulin injection technique is invaluable for patients with diabetes. Just as important is the trust you’ve built with your patients. At BD, we believe your knowledge and relationships are the foundation for persistent therapy adherence. This is why we are committed to supporting you and the patients you serve with innovative products and services that help improve the comfort and satisfaction of every patient’s experience.

Learn more about ways we can partner to make a difference. Go to bd.com/pharmacypartner

Connect with BD

BD Customer Support
1.888.BD.CARES (232.2737)
Monday–Friday,
8 a.m.–8 p.m. EST

References:

BD, Franklin Lakes, NJ 07417, U.S.

bd.com/pharmacypartner

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