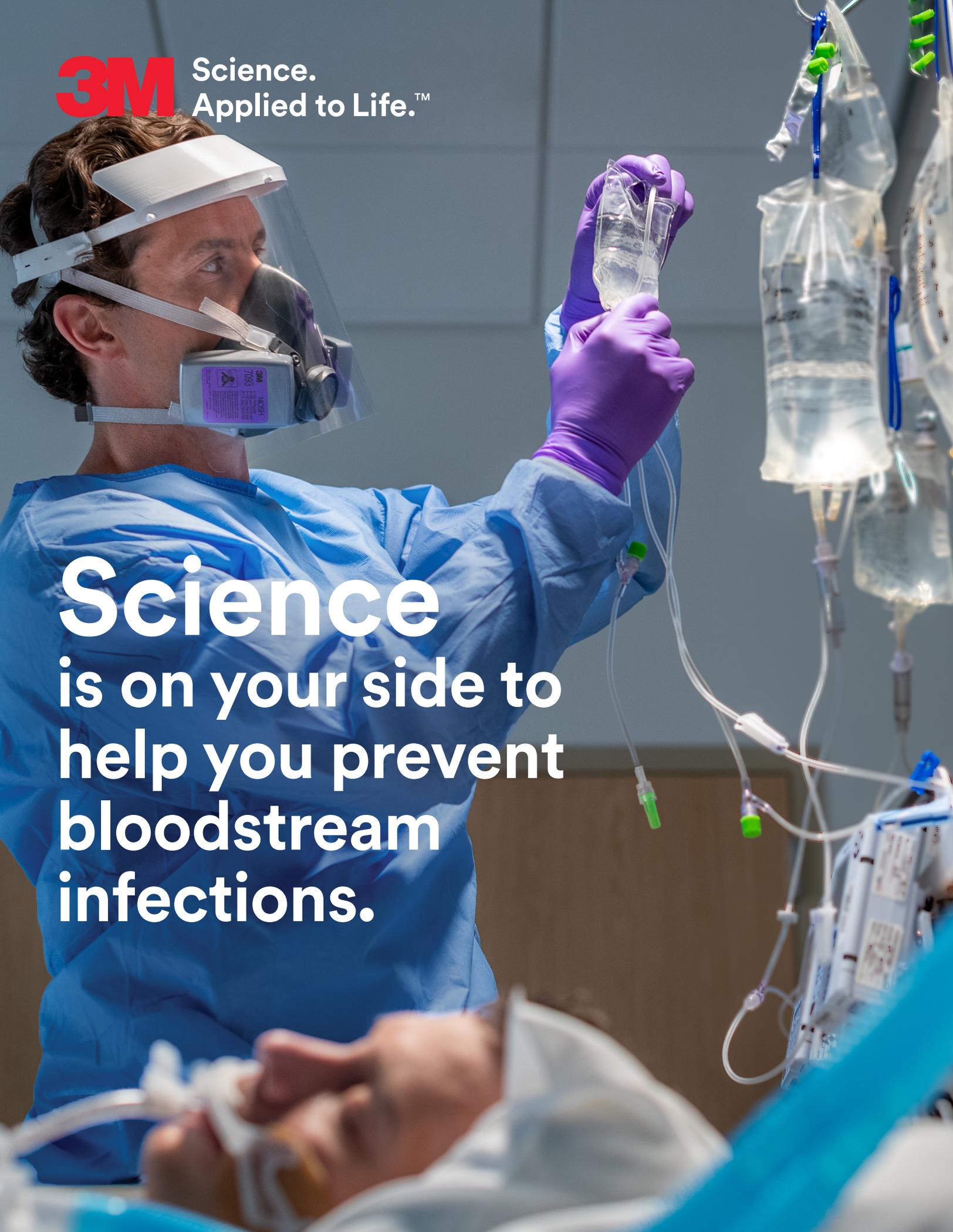


**3M** Science.  
Applied to Life.™

**Science**  
is on your side to  
help you prevent  
bloodstream  
infections.



# Bloodstream infections: A critical issue for patients and healthcare facilities.

Every IV catheter poses potential for serious and costly complications, including bloodstream infections (BSIs) which are associated with significant increases in care and costs. They are more common than you think and, in some cases, they can be deadly.<sup>1</sup>

The average cost associated with a CLABSI is **\$25k** CAD per person.<sup>2</sup>



Catheter-related bloodstream infections (CRBSIs) are associated with **1.57x** higher risk of mortality in critically ill adults.<sup>1</sup>

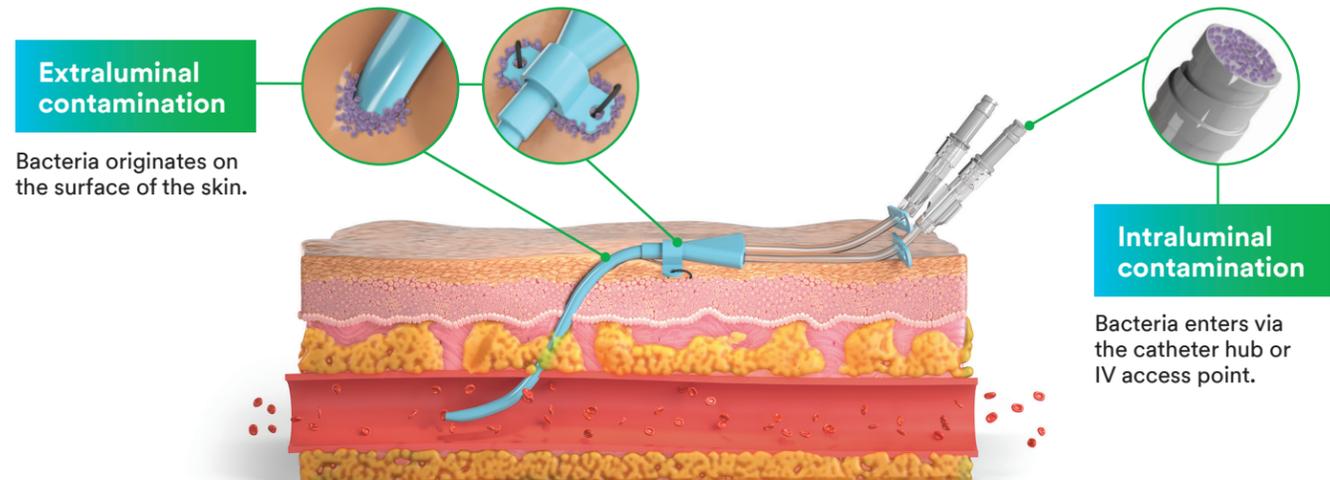


Short-term peripheral venous catheters (PVCs) accounted for **22%** of hospital-acquired CRBSIs.<sup>3</sup>



## Sources of infection. Taking a closer look at points of access.

While vascular catheters provide the advantage of prolonged venous access, they present a risk of infectious complications. In fact, 60% of all hospital-acquired bloodstream infections originate from some form of vascular access.<sup>4</sup> These infections can be acquired at the time of the initial insertion or anytime throughout the duration of the venous access, with the majority of infections happening after insertion.<sup>5</sup>

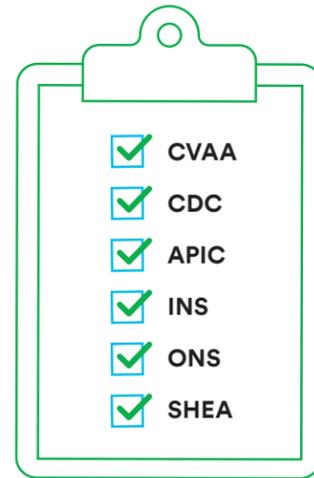


## Factors to consider to help reduce the risk of BSIs.

In addition to the risk of extraluminal and intraluminal contamination, BSIs can be introduced anytime during patient care. That's why it's important to consider additional solutions that meet best practices and help reduce risk throughout the process.

# Best practices for helping prevent BSIs.

Many well-regarded organizations have studied how to help prevent bloodstream infections. Following established evidence-based standards and best practice guidelines can aid you in your mission to help protect patients from BSIs.



Organizations include: The Canadian Vascular Access Association (CVAA), The Centers for Disease Control and Prevention (CDC), Association for Professionals in Infection Control and Epidemiology (APIC), The Infusion Nurses Society (INS), Oncology Nursing Society (ONS), and The Society for Healthcare Epidemiology of America (SHEA).

# Where science meets best practices.

When it comes to reducing the risk of BSIs, adhering to best practice guidelines is simpler when you have access to the solutions that align with them. From hand hygiene to securement devices and more, 3M can help you deliver the best possible patient care.

Prepare		<b>CDC:</b> Washing hands with non-antimicrobial or antimicrobial soap and water may help to physically remove spores from the surface of hands. <sup>6</sup>		<b>3M™ Avagard™ D Instant Hand Antiseptic (61% w/w ethyl alcohol) with Moisturizers</b> provides rapid, broad-spectrum bacterial kill.	Prepare
		<b>INS:</b> Perform skin antisepsis with an agent of alcoholic chlorhexidine solution. <i>Std. 33, pg. S96 (Level I)</i> <sup>7</sup>		<b>3M™ SoluPrep™ Brand Skin Antiseptics</b> are available in multiple formulations that include chlorhexidine gluconate and isopropyl alcohol.	
Protect		<b>INS:</b> Protect at-risk skin from irritation and breakdown with a sterile, alcohol-free skin barrier that is compatible with the antiseptic solution and when using an adhesive-based securement method. <i>Std. 42, pg. S120 (Level II)</i> <sup>7</sup>		<b>3M™ Cavilon™ No Sting Barrier Film</b> A sterile*, alcohol-free skin barrier film is designed to protect skin. <small>*Wipes and swabs only.</small>	Protect
Secure		<b>INS:</b> Use chlorhexidine-impregnated dressings for all patients 18 years and older with short-term, nontunneled central vascular access devices (CVADs). Use for arterial catheters and other CVADs when other catheter-associated bloodstream infection (CABS) prevention strategies are not effective. <i>Std. 50, pg. S154 (Level I)</i> <sup>7</sup>		<b>3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressings</b> A chlorhexidine gluconate gel pad provides antimicrobial protection for up to 7 days. <sup>8</sup>	Secure
Manage		<b>INS:</b> Perform passive disinfection by applying a cap or covering containing a disinfection agent. Disinfection caps create a physical barrier to contamination between uses. <i>Std. 36, pg. S105 (Level I)</i> <sup>7</sup>		<b>3M™ Curoso™ Disinfecting Port Protectors</b> Caps contain 70% isopropyl alcohol to disinfect and protect ports.	Manage

3M solutions can play a role in supporting government and industry guidelines aimed at infection and transmission control. 3M does not make any claims that its products prevent or reduce the incidence of infection or the transmission of disease. For specific 3M products, please refer to the intended use.

Prepare:

## Hand hygiene

### Clean hands. Protected patients.

3M™ Avagard™ D Instant Hand Antiseptic (61% w/w ethyl alcohol) with Moisturizers combats dry hands with cosmetic grade emollients to help prevent dryness, maintain skin integrity and in turn enhance hand hygiene compliance. Evidence shows that this uniquely moisturizing formula really works. In fact, clinical studies have shown that 3M™ Avagard™ D Instant Hand Antiseptic actually enhanced skin hydration.<sup>9</sup>



Kills **99%** of bacteria in 15 seconds (in vitro)<sup>10</sup>

Protect:

## Skin protection

### Make clinically-supported skin protection part of your protocols.

Adding 3M™ Cavilon™ No Sting Barrier Film to catheter insertion and dressing changes provides a unique terpolymer barrier solution to help promote skin protection. Be confident knowing it's the only barrier film supported by vascular access-specific data.<sup>13-15</sup>



In a study with patients with Peripherally Inserted Central Catheter (PICC) lines:<sup>13</sup>

**62%** of patients experienced skin complications when gauze or tape was applied.

While only **6%** of patients experienced skin complications with Cavilon No Sting Barrier Film applied before gauze and tape protocol.



Aligns to best practices



- ▶ CHG compatible<sup>16</sup>
- ▶ Sterile wands and wipes
- ▶ Unique easy-to-open, peel-down packaging allows aseptic delivery to the area that will be covered by the adhesive dressing/device



Effective yet gentle

- ▶ Waterproof barrier
- ▶ Breathable
- ▶ Fast-drying<sup>17</sup>
- ▶ Alcohol-free<sup>18</sup>
- ▶ Sting-free<sup>18</sup>

Prepare:

## Skin preparation

### A few minutes of preparation can improve patient outcomes.

Using 3M™ SoluPrep™ Brand Skin Antiseptic products is one way you can prepare skin and help reduce the risk of infection at IV sites. Available in multiple formulations and delivery formats, including wipes, swabs and applicators, 3M™ SoluPrep™ Brand products are designed for use on intact skin prior to medically invasive procedures to help protect patients against the risk of infection.



**Protects** patients against microorganisms and helps reduce the risk of infection or reduce bacteria on skin to diminish the risk of surgical site infection.



**1st** skin antiseptic authorized in Canada for professional healthcare use.<sup>11</sup>



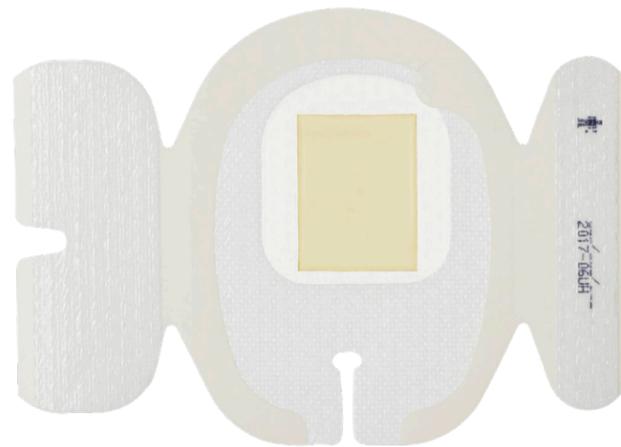
Used by healthcare professionals over **1 billion times.**<sup>12</sup>



Secure:  
**Extraluminal protection**

**Antimicrobial protection. Innovative securement. All in one.**

Extraluminal contamination, a potential cause of catheter-associated bloodstream infections (CABSI), happens when bacteria on the surface of the skin move along the outside of the catheter and enter through the insertion site. To help reduce this risk, **3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressings** provide immediate and continuous antimicrobial protection to an IV site.



**Infection reduction**

3M™ Tegaderm™ CHG Dressings are cleared and clinically proven to reduce catheter-related bloodstream infections (CRBSI).<sup>19</sup>

**60% reduction**  
of CRBSIs

in a randomized controlled trial (RCT) of 1,879 critically ill adult subjects with 4,163 catheters.<sup>20</sup>



**Site visibility**

Transparent dressing and gel pad enable early identification of potential complications at IV site and meet INS recommendation to assess the IV site and surrounding area by visual inspection.<sup>7</sup>

Tegaderm CHG I.V. Securement Dressing



BioPatch® Disk with CHG



**Catheter securement**

Designed to minimize catheter movement and dislodgement and meets the INS definition of an integrated securement device (ISD) or adhesive securement device (ASD).<sup>19</sup>



7.90 lb

**Greater pull force**

Tegaderm™ CHG I.V. Securement Dressing 1657 can withstand 7.90 lb pull force on average, which is an average 1.09 lb greater pull force vs. SorbaView® SHIELD + BIOPATCH® 7 days after application.<sup>21</sup>

**Ease of use**

Integrated CHG gel pad and dressing design ensures standardized, correct application.<sup>22</sup>

Tegaderm CHG I.V. Securement Dressing



n=120

BioPatch® Disk with CHG



n=128

Manage:  
**Intraluminal protection**

**Small, yet mighty to help the fight against BSIs.**

Intraluminal contamination occurs when bacteria migrate through the catheter post insertion, typically via contamination of the lumen through the catheter port. The family of **3M™ Curoc™ Disinfecting Port Protectors** contain isopropyl alcohol and twist onto ports for effective passive disinfection and protection to all IV access points.

Can be dispensed as individual caps or on strips\* that can be hung from IV poles for easy access and greater compliance.  
\*Varies by product.



Brightly coloured to help visually verify that IV access points are covered at a glance and disinfection compliance can be easily and reliably measured.



Save valuable time with fast 1-minute disinfection that eliminates the need for “scrub the hub” protocols.

**Antimicrobial protection**

3M™ Curoc™ Disinfecting Port Protectors achieved



**99.99%**

reduction in six microbes commonly associated with CLABSI (*in vitro*).<sup>23,24</sup>

Effective disinfection of needleless connectors and male luers on peripheral lines has been associated with a significant decrease in peripheral line-associated bloodstream infections (PLABSI).<sup>25</sup>

**1-minute disinfection**



Cap contains **70%**

isopropyl alcohol (IPA) which bathes the surface of the IV access point and disinfects in 1 minute.<sup>26</sup>

**Long lasting protection**

Protects IV access points for up to 7 days if not removed. Passive disinfection removes human technique variance, providing consistent disinfection every time.<sup>26</sup>



Protects up to **7 days** if not removed.

**Stays securely in place**

Twists on easily and stays in place on commonly used IV access points — meeting INS standards for add-on devices. The Luer-lock design works with a wide range of open female luers.



**Important Safety Information for 3M™ Tegaderm™ CHG Dressings.** Do not use 3M™ Tegaderm™ CHG Dressings on premature infants or infants younger than two months of age. Use of this product on premature infants may result in hypersensitivity reactions or necrosis of the skin. The safety and effectiveness of 3M™ Tegaderm™ CHG Dressings has not been established in children under 18 years of age. For full prescribing information, see the Instructions for Use (IFU). Rx only.

# Education and training to stay ahead of the curve.

The clinical resources and education provided by 3M are designed to support you in each of the following areas, with a focus on your unique needs and challenges.



## Identify

Identify the areas where you have the biggest opportunity to drive impact at your facility.



## Learn

Learn about industry best practices, clinical evidence, and new ways to improve outcomes.



## Improve

Improve or implement new work processes and protocols through a variety of tools and approaches.



## Maintain

Maintain the progress you've made and continue to keep staff educated and engaged.

## 3M solutions

We understand every journey toward zero complications is unique. That's why our program includes customized assessment tools that:

- Empower you to drive compliance
- Streamline the auditing process
- Provide customized guidance and feedback
- Help define success

### Tools include:

- IV Care and Maintenance
- Temperature Management
- Perioperative Care
- Sterilization Monitoring



For more information, contact your 3M representative or go to [3M.ca/VascularAccess](https://www.3m.com/VascularAccess)

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# Ordering information

## Prepare

### Hand Hygiene



3M™ Avagard™ D Instant Hand Antiseptic			
Personal size	9221C	88 mL	
Pump bottle	9222C	500 mL	

### Skin Preparation



3M™ SoluPrep™ QD Swab, Small Swab, Clear, 0.5% w/v CHG/70% v/v IPA	102.02	1.6 mL	
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3M™ SoluPrep™ Swab, Small Swab, Clear, 2% w/v CHG/70% v/v IPA	102.03	1.6 mL	
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3M™ SoluPrep™ AQ Swab, Small Swab, Clear (Alcohol Free), 2% w/v CHG	102.07	1.6 mL	
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3M™ SoluPrep™ Swab, Large Swab, Clear, 2% w/v CHG/70% v/v IPA	102.08	5.2 mL	
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3M™ SoluPrep™ Swab, Large Swab, Tinted, 2% w/v CHG/70% v/v IPA	102.09	5.2 mL	
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## Protect

### Skin protection



3M™ Cavilon™ No Sting Barrier Film			
Wand	3343E	1 mL	
Wipe	3344E	1 mL	

## Secure

### Extraluminal protection



3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing	1657R	CHG pad: 1 3/16 in x 1 1/2 in 3 cm x 4 cm Dressing: 3 1/2 in x 4 1/2 in 8,5 cm x 11,5 cm	
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3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing	1659R	CHG pad: 1 3/16 in x 2 3/4 in 3 cm x 7 cm Dressing: 4 in x 6 1/2 in 10 cm x 15,5 cm	
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3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing	1660R	CHG pad: 4/5 in x 4/5 in 2 cm x 2 cm Dressing: 2 3/4 in x 3 3/8 in 7 cm x 8,5 cm	
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### Extraluminal protection



3M™ PICC/CVC Securement Device + Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing	1877R-2100	CHG pad: 1 1/2 in x 1 3/8 in 3 cm x 4 cm Dressing: 3 1/2 in x 4 1/2 in 8,5 cm x 11,5 cm	
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3M™ PICC/CVC Securement Device + Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing	1879R-2100	CHG pad: 1 1/2 in x 2 4/5 in 3 cm x 7 cm Dressing: 4 in x 6 1/2 in 10 cm x 15,5 cm	
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3M™ Tegaderm™ Antimicrobial I.V. Advanced Securement Dressing	9132	3 3/8 in x 2 3/4 in 8,5 cm x 7 cm	
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## Manage

### Intraluminal protection



3M™ Curox™ Disinfecting Caps for Needleless Connectors	CFF1-270R	Individuals	
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3M™ Curox™ Disinfecting Caps for Needleless Connectors	CFF10-250R	Strips (10 count)	
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3M™ Curox™ Tips™ Disinfecting Cap for Male Luers	CM5-200R	Strips (5 count)	
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3M™ Curox™ Stopper Disinfecting Cap for Open Female Luers	CSA1-270R	Individuals	
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3M™ Curox™ Stopper Disinfecting Cap for Open Female Luers	CSA5-250R	Strips (5 count)	
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3M™ Curox™ Disinfecting Caps for Tego® Hemodialysis Connectors	CTG1-270R	Individuals	
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Available in Canada from

**Medical Solutions Division**  
**3M Canada Company**  
 300 Tartan Drive  
 London, Ontario N5V 4M9  
 Canada  
 1-800-364-3577  
 3M.ca

**3M Company**  
 2510 Conway Ave.  
 St. Paul, MN 55144 USA  
 1-800-228-3957

NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product Instructions For Use prior to application.

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