The choice is clear.
Reduce risks across extraluminal access points.
Bloodstream infections: A critical issue for every health care facility.

All IVs are at risk for microbial contamination. Bloodstream infections are associated with significant increases in care and costs. They are more common than you think and, in some cases, they can be deadly.

Sources of infection

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. These infections can be acquired at the time of the initial insertion or anytime throughout the duration of the venous access.

**Nationwide, the annual cost to treat CLABSI exceeds $2.3 billion**  
CRBSIs are associated with **1.57x higher risk of mortality in critically ill adults**  
Short-term PVCs accounted for **23% of hospital-acquired CRBSIs**

Aligns to standards and guidelines.

Recommendations for use of chlorhexidine-impregnated dressings.

**FDA**
*The Food and Drug Administration*

Tegaderm™ CHG I.V. Securement Dressing is intended to reduce vascular catheter colonization and catheter-related bloodstream infections (CRBSI) in patients with central venous or arterial catheters. Tegaderm™ CHG I.V. Securement Dressing is the only transparent dressing cleared and proven to reduce CRBSI.⁶

- **See the letter**

**CDC**
*The Centers for Disease Control and Prevention*

For patients aged 18 years and older: Chlorhexidine-impregnated dressings with an FDA-cleared label that specifies a clinical indication for CRBSI or CABSI are recommended to protect the insertion site of short-term, non-tunneled CVCs. (Category IA)⁷

- **View recommendations**

**APIC**
*Association for Professionals in Infection Control and Epidemiology*

If applicable, chlorhexidine-impregnated sponge dressing or chlorhexidine-impregnated dressing can be used. (IB)

If a chlorhexidine-sponge dressing is used, [ensure] it is oriented correctly and changed at the same time as the transparent dressing.⁸

**INS**
*Infusion Nurses Society*

Use chlorhexidine-impregnated dressings over CVADs to reduce infection risk when extraluminal route is primary source of infection. (Level I)

Assess the catheter-skin junction site and surrounding area for redness, tenderness, swelling, drainage by visual inspection and palpation through the intact dressing.⁸

**ONS**
*Oncology Nursing Society*

Use a CHG-impregnated sponge dressing for all catheters, including specialty catheters in patients older than 2 months of age.

Following CHG skin preparation, it is recommended to use a CHG-impregnated dressing for any long-term infusion (defined as exceeding 4–6 hours) or if the port remains accessed for intermittent long-term infusions.⁸

**SHEA**
*Society for Healthcare Epidemiology of America*

Use chlorhexidine-containing dressings for CVCs in patients over 2 months of age. (quality of evidence: I)¹⁰

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6. U.S. Food and Drug Administration, Department of Health & Human Services. 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing is the ONLY transparent dressing cleared by the Food and Drug Administration (FDA) to reduce catheter-related bloodstream infections and vascular catheter colonization that aligns with evidence-based guidelines and practice standards.


Backed by 35 years of IV care science and innovation.

Continuous innovation inspired by you.

Over the last 10+ years, clinicians have come to rely on 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressings.

Explore milestones that have helped transform patient care.

Watch a video to learn more about the science behind the dressing

- **Conforming edge border**
  - Uses technology designed to reduce edge-lift.
- **Antimicrobial protection**
  - A chlorhexidine gluconate (CHG) gel pad provides antimicrobial protection for up to 7 days.
- **Large securement tape strip with notch**
  - Promotes consistent application and enhances stabilization. Perforations aid with dressing removal.
- **Conforming keyhole notch**
  - A notch allows catheter lumens to fit better and stay in place. Perforations allow notch to conform around a wide variety of catheter sizes and types.
- **A waterproof, sterile barrier protects against external contaminants**
  - Highly breathable, transparent film.
- **A chlorhexidine gluconate (CHG) gel pad provides antimicrobial protection for up to 7 days.**

*Tegaderm™ CHG I.V. Securement Dressing 1657 only.

**In vitro testing shows that the film provides a barrier against viruses 27 nm in diameter or larger while the dressing remains intact without leakage.

**Over the last 10+ years, clinicians have come to rely on 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressings.

Explore milestones that have helped transform patient care.

- **2010**
  - The breathability of the dressing was improved to manage moisture better.

- **2012**
  - Randomized controlled trial documents lower catheter-related bloodstream infection (CRBSI) rates and catheter colonization with Tegaderm™ CHG Dressing versus non-chlorhexidine dressings.

**Ease of Use**
Integrated CHG gel pad and dressing design ensures standardized, correct application.\(^{12}\)

- **Tegaderm™ CHG I.V. Securement Dressing**
- **BIOPATCH® Disk with CHG**

**Site Visibility**
Transparent dressing and gel pad enable early identification of potential complications at IV site and meet Infusion Nurses Society (INS) recommendation to assess the IV site and surrounding area by visual inspection.\(^{13}\)

- **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 Engineered Stabilization Device (ESD).\(^{8}\)

- **7.90 lb 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.\(^{12}\)

**Infection Reduction**
Cleared and clinically proven to reduce catheter-related bloodstream infections (CRBSIs).
Meets standards and guidelines including CDC Guidelines recommendation for use of chlorhexidine-impregnated dressing with FDA indication to reduce CRBSIs.\(^{11}\)

- **60% reduction of CRBSIs** in a randomized controlled trial (RCT) of 1,879 subjects with 4,163 catheters.\(^{11}\)
- **2019**
  - 11-year, real-world study shows sustained reduction of CRBSIs with CHG gel dressings.\(^{14}\)
- **2017**
  - Tegaderm™ CHG Dressing is the only transparent dressing to meet new Centers for Disease Control and Prevention (CDC) recommendation for reducing CRBSIs (Category 1A).\(^{7}\)
- **2016**
  - Dressing was redesigned with:
    - improved breathability for moisture management
    - conforming keyhole notch to allow catheter lumens to fit better and stay in place
    - securement tape strip with notch for consistent application and stabilization
    - conforming edge border to reduce edge lift.

**Site Visibility**
- **Tegaderm™ CHG I.V. Securement Dressing**
- **BIOPATCH® Disk with CHG**

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The difference is clear.

3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing

VS

BIOPATCH® Disk with CHG

### Efficacy

<table>
<thead>
<tr>
<th>Tegaderm™ CHG Dressing</th>
<th>BIOPATCH® Disk with CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Superior skin flora kill rate</strong></td>
<td>✓</td>
</tr>
<tr>
<td>Tegaderm™ CHG Dressing is proven to be more effective than BIOPATCH® Disk with CHG at each time point tested over the course of 10 days.</td>
<td></td>
</tr>
<tr>
<td><strong>Superior skin flora regrowth suppression at 7 days</strong></td>
<td>✓</td>
</tr>
<tr>
<td>Tegaderm™ CHG Dressing is more effective at suppressing the regrowth of normal skin flora on prepped skin than BIOPATCH® Disk with CHG.</td>
<td></td>
</tr>
<tr>
<td><strong>Suture site protection</strong></td>
<td>✓</td>
</tr>
<tr>
<td>Tegaderm™ CHG Dressing has been shown to reduce the number of microorganisms at the catheter insertion site, suture site, sutures and catheter surface.</td>
<td></td>
</tr>
</tbody>
</table>

### Safety & Ease of Use

<table>
<thead>
<tr>
<th>Tegaderm™ CHG Dressing</th>
<th>BIOPATCH® Disk with CHG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Allows for constant site monitoring</strong></td>
<td>✓</td>
</tr>
<tr>
<td>The 2016 Infusion Therapy Standards of Practice published by INS recommend assessing the VAD (Vascular Access Device)-skin junction site and surrounding area for redness, tenderness, swelling, and drainage by visual inspection and palpation through the intact dressing.</td>
<td></td>
</tr>
<tr>
<td><strong>Superior placement accuracy rate</strong></td>
<td>✓</td>
</tr>
<tr>
<td>Multiple studies have shown an improved CHG placement accuracy rate with the integrated Tegaderm™ CHG Dressing compared to the placement of a BIOPATCH® Disk with CHG plus a dressing.</td>
<td></td>
</tr>
<tr>
<td><strong>CHG gel pad is integral to a transparent dressing</strong></td>
<td>✓</td>
</tr>
<tr>
<td>Since the CHG gel pad is integral to the Tegaderm™ CHG Dressing, it cannot be put on upside down or forgotten and eliminates the need for extra steps to apply CHG separately from the cover dressing.</td>
<td></td>
</tr>
</tbody>
</table>

*Tegaderm CHG I.V. Securement Dressings are not indicated to reduce bacterial colonization of sutures or suture sites.

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15. 3M Data on File: #09535.
The value is clear.

All-in-one design is cost effective and eliminates the need to manage, store and distribute multiple products. The integrated design also helps ensure compliance and streamlines education and training.

Your questions, answered.

1. Does the gel pad stick? Is it difficult to remove?
   The CHG gel pad is designed to conform to the catheter, and the integrated transparent dressing allows for consistent application, site monitoring and catheter stabilization. A CHG sponge does not provide catheter stabilization, and must be used with an additional dressing. The CHG gel pad contains adhesive properties which is sometimes perceived as “sticky”. If needed, a few drops of saline or alcohol can be used to facilitate removal of the gel pad.

2. Does it provide 360 degree coverage?
   The aqueous nature of the gel pad and CHG allows for immediate antimicrobial action upon application to skin. It has been shown to provide complete antimicrobial protection on and under a vascular catheter segment.19–22 Plus, it’s been shown that Tegaderm™ CHG Dressing provides better antimicrobial protection compared to BIOPATCH® Disk with CHG.16,23

3. Does the gel pad absorb fluid?
   Tegaderm™ CHG Dressing absorbs blood, sweat and exudates (8x its weight in saline and 3x its weight in blood*) and still maintains antimicrobial effectiveness. *As demonstrated in vitro

The evidence is clear.

3M is proud to have a robust body of evidence supporting 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing.

22 Studies to date including meta-analysis, randomized controlled trials, peer-reviewed studies and posters

Over 45% published within the last five years (2015–2020)

Over 30,000 patients studied

Catheter Types Studied
- CVC (long-term & short-term)
- Arterial
- External ventricular drain
- Dialysis
- Epidural

Topics Covered
- Infection Reduction
  Measurable decrease in catheter-related bloodstream infection (CRBSI) rate.
- Antimicrobial Protection
  Microbial colonization and in vitro zone of inhibition.*
  *No clinical correlation intended.
- Ease of Use
  Product usability and clinician preference.
- Health Economics
  Cost savings and overall economic impact.

Catheter Types Studied

CLINICAL EVIDENCE SUMMARY

View full clinical evidence summary
Featured Studies

Randomized controlled trial of chlorhexidine dressing and highly adhesive dressing for preventing catheter-related infections in critically ill adults


**Results:**
A multi-center randomized controlled trial in 12 French ICUs, with a total of 1,879 patients evaluated, compared chlorhexidine to non-chlorhexidine dressings and determined the Tegaderm™ CHG Dressing decreases catheter colonization and CRBSI rates in CVC and arterial catheters.


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Suppression of regrowth of normal skin flora under chlorhexidine gluconate dressings applied to chlorhexidine gluconate-prepped skin


**Results:**
Randomized controlled trial on the backs of 30 healthy subjects compared suppression of microbe regrowth on CHG-prepped skin between control, CHG gel dressings and CHG disks. CHG dressings helped reduce the bacterial count on the skin. CHG gel maintained organism suppression to a greater extent than the CHG disk at 7 days.

View study: https://www.ajicjournal.org/article/S0196-6553(11)00319-1/fulltext

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Sustained reduction of catheter-associated bloodstream infections with enhancement of catheter bundle by chlorhexidine dressings over 11 years


**Results:**
Real-world data study of 18,286 patients from 2006 to 2014 at a 35-bed mixed adult ICU evaluated the impact of incrementally introducing CHG dressings (sponge or gel) to an ongoing catheter bundle. The incidence density showed a progressive but significant decrease of CRBSI rates when CHG sponge and CHG gel dressings were used. Data indicates the skin reaction rates for CHG gel and CHG sponge were equivalent at 0.3 /1,000 device days.

View study: https://link.springer.com/article/10.1007%2Fs00134-019-05617-x
Use the entire family of antimicrobial CHG Tegaderm™ Dressings to help reduce risks across extraluminal access points.

Additional applications: Midlines, external ventricular drains, ECMO, bone pins, surgical drains and other percutaneous devices.
The choice is clear.

3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing
Integrated all-in-one design ensures consistent application, aligning with evidence-based guidelines and practice standards.
Available in 4 sizes.

3M™ PICC/CVC Securement Device + 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing
An engineered stabilization device (ESD) plus antimicrobial (CHG) dressing designed to secure IVs quickly and effectively – without sutures.
Available in 2 sizes.

3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Port Dressing
Antimicrobial (CHG) gel pad plus I.V. port dressing specifically designed to protect single or double implanted venous ports and non-coring needles.
Available in 1 size.

3M™ Tegaderm™ CHG Chlorhexidine Gluconate Gel Pad
Engineered for versatility and antimicrobial protection, features an easy to use design to protect insertion sites and conform around a wide variety of percutaneous devices.
Available in 1 size.

3M™ Tegaderm™ Antimicrobial I.V. Advanced Securement Dressing
Integrated design with CHG formulated into the dressing adhesive combines antimicrobial protection with site visibility, catheter securement and consistent application for peripheral IVs.
Available in 1 size.
How the Peak Program works:

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

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

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

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

Get started today at 3M.com/Peak or connect with your 3M Account Manager to request an audit.

---

### How the Peak Program works:

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### Important Safety Information

**For 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressings and 3M™ Tegaderm™ CHG Chlorhexidine Gluconate Gel Pad.**

Do not use Tegaderm™ CHG I.V. Securement Dressings or Tegaderm™ CHG Gel Pad on premature infants or infants younger than two months of age. Use of these products on premature infants may result in hypersensitivity reactions or necrosis of the skin. The safety and effectiveness of Tegaderm™ CHG I.V. Securement Dressings and Tegaderm™ CHG Gel Pad has not been established in children under 18 years of age. For full prescribing information, see the Instructions for Use (IFU). Rx Only.

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### Product Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Product Number</th>
<th>CHG Gel Pad Size</th>
<th>Dressing Size</th>
<th>Suggested Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1657</td>
<td>1 ½ in x 1 ½ in in 3 cm x 4 cm</td>
<td>3 ½ in x 4 ½ in in 8,5 cm x 11,5 cm</td>
<td>All CVCs, Arterial, Dialysis, Midline and other percutaneous devices</td>
<td></td>
</tr>
<tr>
<td>1658</td>
<td>1 ½ in x 1 ½ in in 4 cm x 3 cm</td>
<td>4 in x 4 ½ in in 10 cm x 12 cm</td>
<td>Universal, other percutaneous devices</td>
<td></td>
</tr>
<tr>
<td>1659</td>
<td>1 ¾ in x 2 ½ in in 3 cm x 7 cm</td>
<td>4 in x 6 ½ in in 10 cm x 15,5 cm</td>
<td>All CVCs and PICCs</td>
<td></td>
</tr>
<tr>
<td>1660</td>
<td>½ in x ½ in in 2 cm x 2 cm</td>
<td>2 ½ in x 3 ½ in in 7 cm x 8,5 cm</td>
<td>PIVs, Midline, Arterial, CVCs and other percutaneous devices</td>
<td></td>
</tr>
</tbody>
</table>

| 3M™ PICC/CVC Securement Device + Tegaderm™ CHG Chlorhexidine Gluconate I.V. Securement Dressing |
| 1877-2100 | 1 ½ in x 1 ½ in in 3 cm x 4 cm | 3 ½ in x 4 ½ in in 8,5 cm x 11,5 cm | PICCs, CVCs and other vascular access devices |
| 1879-2100 | 1 ½ in x 2 ½ in in 3 cm x 7 cm | 4 in x 6 ½ in in 10 cm x 15,5 cm | PICCs, CVCs and other vascular access devices |

| 3M™ Tegaderm™ CHG Chlorhexidine Gluconate I.V. Port Dressing |
| 1665 | 1 ¾ in x 1 ¾ in, 3 cm x 3 cm | 4 ½ in x 4 ½ in in 12 cm x 12 cm | Implanted Venous Ports |

| 3M™ Tegaderm™ CHG Chlorhexidine Gluconate Gel Pad |
| 1664 | 1 ¾ in x 1 ¾ in, 3 cm x 3 cm | 2 ½ in x 1 ¾ in in 6,2 cm x 4,9 cm | Other Percutaneous Devices (Implanted ports, large bore catheters, surgical drains, bone pins) |

| 3M™ Tegaderm™ Antimicrobial I.V. Advanced Securement Dressing |
| 9132 | – | 3 ½ in x 2 ½ in in 8,5 cm x 7 cm | PIVs |

Visit 3M.com/TegadermCHG to learn more.