

3M

Tegaderm™

IV Care Solutions



**Improving patient
outcomes with proper
IV securement**

Impact of complications caused by catheter movement

A key to prevention is proper securement

Clinical



Dislodgement

Up to

1/3

of vascular access devices become dislodged¹

Infiltration



1 in 4

peripheral IV catheters infiltrate²

Occlusion



1 in 5

catheters experience occlusion (mean rate)¹

Patient



Catheter restarts

1.7



average number of catheters required per patient during 3.5-day period for reasons related to catheter failure,² increasing the risk of clinical complications

Bloodstream infections

More than 2 central line dressing disruptions can result in a

10x
increase in infection risk³

Cost



Cost of catheter failure

\$28-\$41

Average cost of each short peripheral IV catheter insertion⁴

Economic impact of infections

\$45K

average cost to treat a central line-associated bloodstream infection (CLABSI), per infection⁵

1. Jackson A. Retrospective comparative audit of two peripheral IV securement dressings. British Journal of Nursing. 2012. Vol 21, No 2

2. Helm R. Journal of Infusion Nursing. 2015 May 1;38(3):189-203.

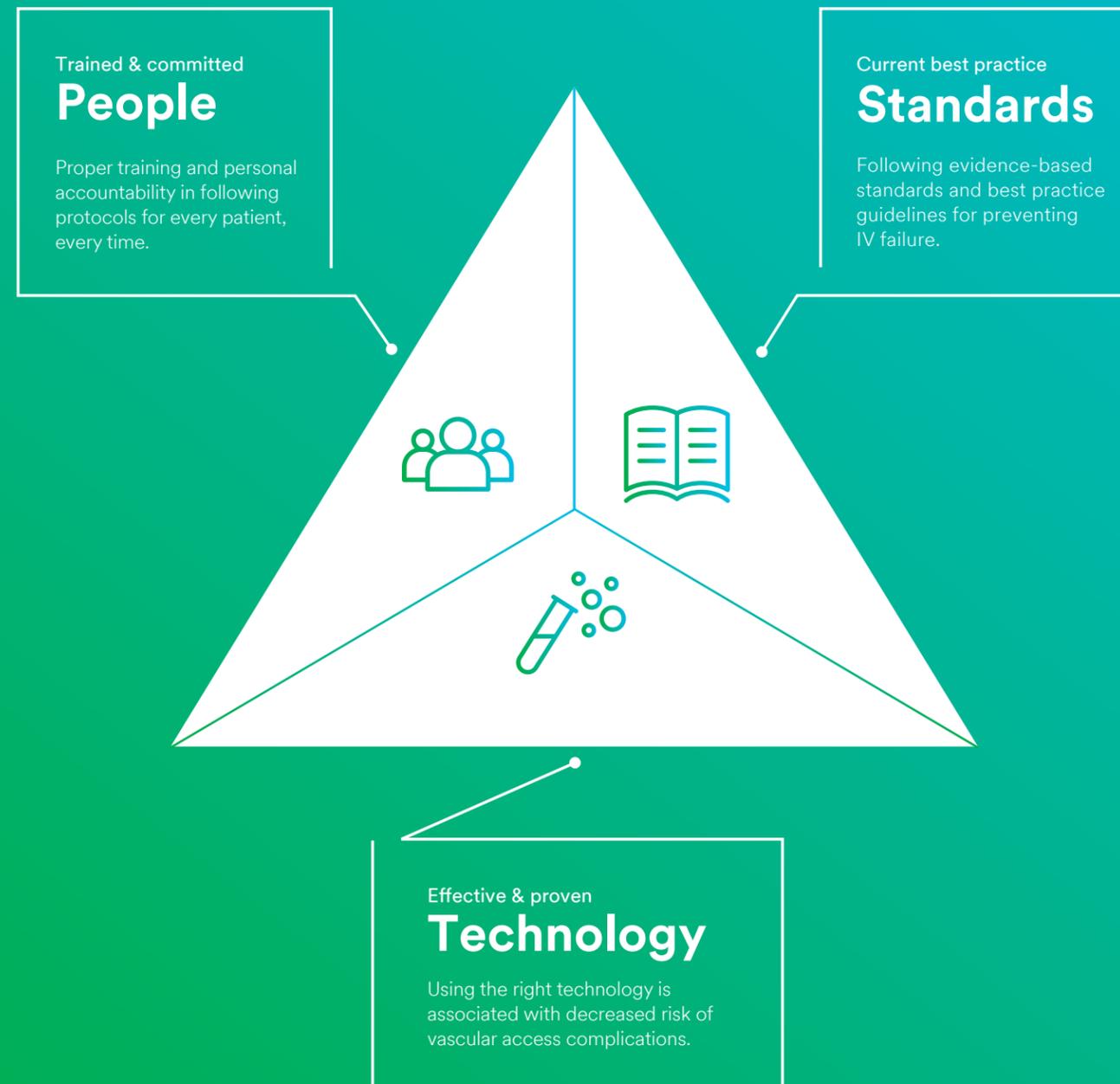
3. Timsit, Jean-Francois. Dressing disruption is a major risk factor for catheter-related infections. 2012; Critical Care Medicine.

4. Goff D, Larsen P, Brinkley J, Eldridge D, Newton D, Hartzog T, et al. Resource utilization and cost of inserting peripheral intravenous catheters in hospitalized children. Hospital Pediatrics. 2013;3(3):185-91.

5. Zimlichman, E; Henderson, D et al. Health Care-Associated Infections: A Meta-analysis of Costs and Financial Impact on the US Health Care System. JAMA Intern Med. Published online September 02, 2013

The three keys to reducing IV failures

Eliminating IV failures and vascular access infections cannot be achieved with a single initiative, process or technology. All avenues must be explored and implemented. Whether it's the latest technology or the strict adherence to consensus recommendations by everyone involved in patient care, there are many facets to reducing IV failures and vascular access infections.



Current best practice
Standards

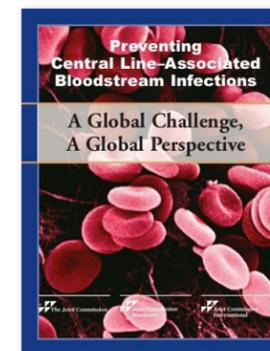
Aligning with evidence-based standards and best practices



INS Infusion Therapy Standards of Practice (2016)

- Consider the use of an engineered stabilization device (ESD^{*}) to stabilize and secure Vascular Access Devices (VADs). Inadequate stabilization and securement can cause unintentional dislodgement and complications requiring premature VAD removal. (Standard 37)
- Do not rely on standard dressings (non-bordered), gauze or tape as a means of stabilization as there is insufficient evidence supporting their benefits as stabilization devices. (Standard 37)

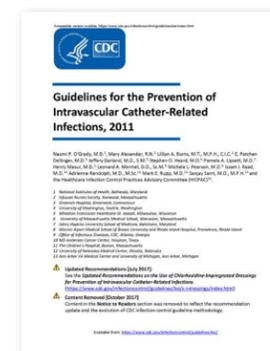
Gorski L, Hadaway L, Hagle ME, McGoldrick M, Orr M, Doellman D. Infusion Therapy Standards of Practice. J Infus Nurs. 2016; 39 (suppl 1): S1-S59.
^{*}Engineered Stabilization Device (ESD): A device or system placed subcutaneously or topically; specifically designed and engineered to control movement at the catheter hub.



The Joint Commission: Preventing Central-Line Associated Bloodstream Infections: A Global Challenge, A Global Perspective (2012)

- For Central Venous Catheters (CVCs), sutureless securement devices reduce the risk of infection, mechanical trauma, phlebitis, movement or dislodgement; use of a sutureless device is preferred to sutures as it also eliminates the risk of needlestick injuries to healthcare personnel. (CDC recommendation)
- Transparent adhesive dressings enable continuous insertion site visualization, help to secure the device and require less frequent changes compared to gauze and tape dressings.

The Joint Commission. Preventing Central Line-Associated Bloodstream Infections: A Global Challenge, a Global Perspective. Oak Brook, IL: Joint Commission Resources, May 2012; 47-48.



Center for Disease Control: Guidelines for the Prevention of Intravascular Catheter-Related Infections (2011)

- For intravascular catheters, sutureless securement devices reduce the risk of infection, mechanical trauma, phlebitis, movement or dislodgement; use of a sutureless device is preferred to sutures as it also eliminates the risk of needlestick injuries to healthcare personnel.**

Centers for Disease Control and Prevention. Checklist for prevention of central line associated bloodstream infections. <https://www.cdc.gov/hai/bsi/html>
 Accessed August 11, 2017

**Indicates level of evidence (where available) based on supporting studies; Infusion Nurses Society and CDC have separate evidence criteria



Trained & committed
People

Preventing IV complications takes training and commitment

Technology alone cannot improve the quality of care. Achieving the intended benefits of 3M products relies on the informed and compliant use of new innovations as well as adherence to consensus best practices – all of which require on-going training and support.



3MSM Health Care Academy:

3MSM Health Care Academy offers online continuing education for healthcare professionals and contains over 50 free courses. This professional training and education resource is dedicated to helping you focus on deepening your expertise and improving patient care.

For more information visit www.3M.com/learningconnection.

3M Clinical Specialists:

The 3M Clinical Specialists can help facilities implement the use of 3M products to achieve and sustain high compliance. Our team consists of nurses dedicated to supporting your efforts. Areas we can assist with include:

- Planning resources and guidance
- Sharing proprietary processes and tools to accelerate adoption and measure your success
- Implementation and large trial support
- Compliance tools for training, motivating and auditing
- On-going training and support
- Point prevalence reviews to help you reduce risk at all access points
- Clinical expertise regarding standards, guidelines and how 3M products can help you achieve successful outcomes

3MTM PEAKTM Clinical Outcomes Program:

1 Prepare

3M Clinical Outcomes Specialists and 3M Sales Representatives collaborate with hospital leadership to design site-specific implementation plans that set the stage for long-term success.

2 Educate

We offer highly effective, in-depth training plans and work to develop unit-specific champions to lead ongoing education efforts that maximize knowledge retention.

3 Assess

We offer customizable tools and metrics for you to monitor, analyze and improve progress, because if you can measure it, you can improve it.

4 Keep it up

Working as your partner in achieving positive outcomes, we stay engaged as you follow your program's path to success — providing access to compliance tools, reference materials and engaging continuing education opportunities.





Effective & proven
Technology

35 years of innovation

3M continues to innovate while partnering with clinicians to improve IV site care without sacrificing the comfort or protection patients deserve.



3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced Securement Dressing (CHG available)

3M™ Tegaderm™ I.V. Advanced Securement Dressing (CHG available)



3M™ Tegaderm™ Diamond Pattern Film Dressing

A family of reliable securement products

For over 35 years, 3M has collaborated with healthcare professionals around the world to develop products that simplify and improve patient care practices. After seeing the need for a transparent dressing to visualize IV sites, 3M scientists invented 3M™ Tegaderm™ Dressings in 1982.

Today, the Tegaderm™ Brand offers an array of products that provide catheter securement and a waterproof barrier to external contaminants (e.g. blood, fluid, bacteria, etc.) including viruses.* Many medical professionals continue to rely on Tegaderm™ Dressings as part of their daily procedures to protect their patients from IV infections.

For more information about the Tegaderm™ Brand family of dressings, visit www.3M.com/TegadermIV.

*In vitro testing shows that the transparent film of 3M™ Tegaderm™ I.V. Securement Dressings provide a viral barrier for viruses 27 nm in diameter or larger while the dressing remains intact without leakage.

The important role of securement selection

Choosing the right type of securement for the situation is critical to patient care. Keeping these product qualities in mind will help you select the best option. Below is a comparison of our portfolio of 3M™ Tegaderm™ I.V. Securement Dressings.

▲ **3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced Securement Dressings***

● **3M™ Tegaderm™ I.V. Advanced Securement Dressing***

◆ **3M™ Tegaderm™ Diamond Pattern Film Dressing**

*Available with or without CHG (Chlorhexidine Gluconate)

Securement

The level of hold a dressing or engineered stabilization device (ESD) provides. Depending on the application, clinicians must balance the need for adhesion and the need for gentleness.

◆ Standard	● Advanced	▲ Most Advanced
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- ▲ Securement system provides both fixation and site protection for central lines
- Designed for consistent securement and comfort while providing standardization and consistency in care
- ◆ Designed to cover and protect catheter and wound sites

Moisture Management

Pattern-coated adhesive allows for high breathability across each dressing. Consider patient condition and environment (i.e. securement needs, perspiration, high humidity) when selecting a dressing.

▲ High Breathability	● Higher Breathability	◆ Highest Breathability
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- ▲ Dressing and device feature elements for moisture evaporation
- Highly breathable film designed to release moisture quickly at the insertion site. Border designed for greater catheter securement
- ◆ The most breathable adhesive-coated Tegaderm™ Dressing without border

Technological Features

Different patient needs call for different types of products. One patient might need an ESD while others may only need a dressing to cover an IV site.

◆ Standard	● Advanced	▲ Most Advanced
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- ▲ Available with a separate securement device and with or without chlorhexidine gluconate (CHG)
- Available with or without chlorhexidine gluconate (CHG)
- ◆ Secure hold, even in moist conditions, that maintains securement during length of facility protocol



Securement that offers maximum hold and protection

3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced Securement Dressing

3M™ PICC/CVC Securement Device + Tegaderm™ CHG Chlorhexidine Gluconate I.V. Advanced Securement Dressing

This convenient combination of products consists of a securement system that provides both fixation and protection for central venous catheters. This combination is strong enough to withstand sudden, high-pull forces — with better results, and better site protection, than any securement method tested including sutures.⁶ Did you know the Joint Commission now recommends using a sutureless securement device?⁷

Available with integrated chlorhexidine gluconate (CHG) gel pad across multiple sizes to reduce risk of CRBSI.

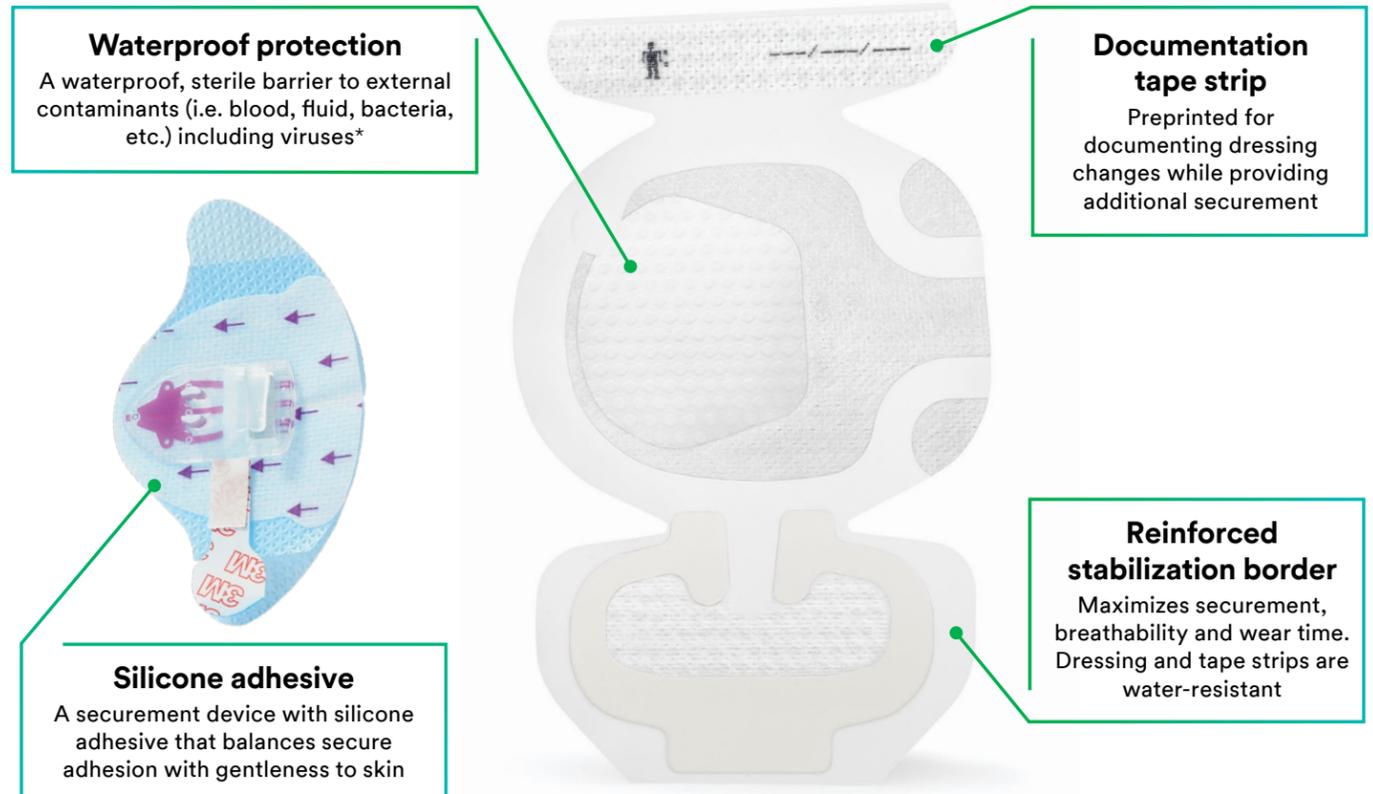


Easier to apply and remove than competitive devices*

Reliable adhesion with gentleness to skin

Withstands higher pull force than sutures⁶

Option for integrated antimicrobial protection with a chlorhexidine gluconate (CHG) dressing



Mean pull force required to dislodge inserted CVC catheter ⁶	
3M™ PICC/CVC Securement Device + Tegaderm™ CHG Dressing	9.2 lbs.
3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced	9.1 lbs.
Sutures (3-0 Silk) Tegaderm™ I.V. Film Dressing	6.2 lbs.
SorbaView® SHIELD SV353	3.9 lbs.

3M™ PICC/CVC Securement Systems require higher pull force than sutures and dressing or Competitive Securement Dressing, and more than 1.5 times more than sutures (3-0 silk) plus Tegaderm™ I.V. Film Dressing with Border (1655).

StatLock® PICC Plus-Foam (VPPCSP) + Tegaderm™ I.V. Dressing (1655)	Pass: 0% (0 out of 24)
SorbaView® SHIELD SV353	Pass: 0% (0 out of 24)
3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced	Pass: 100% (24 out of 24)

In a simulated clinical situation, the 3M™ PICC/CVC Securement System could withstand the sudden, high pull force of dropping an attached 2.5-pound weight 100% of the time, while other securement methods failed every time.⁸

6. Independent Lab *in vitro* testing: EM-05-012908 (Synchrony Labs, Durham NC)
7. The Joint Commission, Preventing Central Line-Associated Bloodstream Infections: A Global Challenge, a Global Perspective, Oak Brook, IL: Joint Commission Resources, May 2012; 48.

*Includes competitive products tested during CVE

8. 3M Data on File.

**In vitro* testing shows that the transparent film of 3M™ Tegaderm™ I.V. Securement Dressings provide a viral barrier for viruses 27 nm in diameter or larger while the dressing remains intact without leakage.



Designed for consistent securement and comfort

3M™ Tegaderm™ I.V. Advanced Securement Dressing

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

A breathable, transparent film dressing that protects against external contamination and can be used as a primary securement method for peripheral, arterial and PICCs. 3M™ Tegaderm™ I.V. Advanced Securement Dressings are a comfortable solution that provides patients with securement, site visibility and breathability all in one product.

Available with integrated chlorhexidine gluconate (CHG) gel pad across multiple sizes to reduce risk of CRBSI.



Stays secure without compromising patient comfort

Soil-resistant border and tape strips for 7-day wear time

Design allows for easy and consistent application and removal

Option for integrated antimicrobial protection with a chlorhexidine gluconate (CHG) dressing

*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.



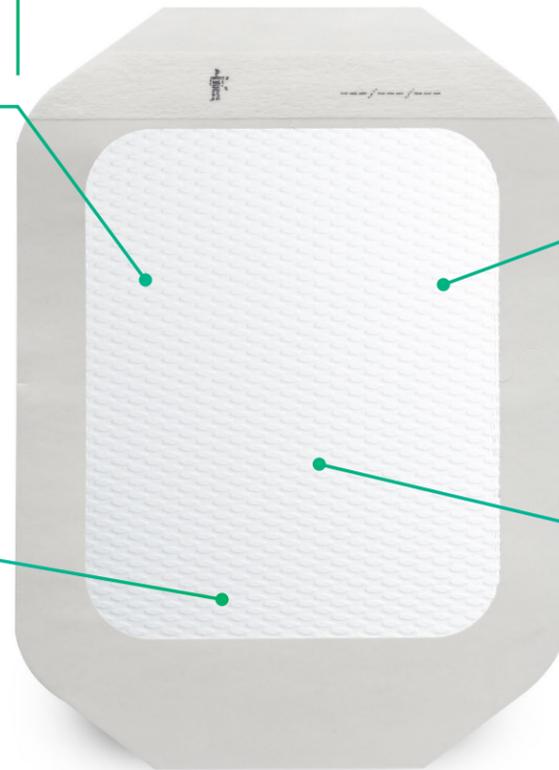


Enhanced breathability
Advanced breathability balances adhesion for a strong hold and gentle release

Flexible for placement
Dressing material conforms to areas of the body and around the catheter adapter

Waterproof protection
A waterproof, sterile barrier protects against external contaminants (e.g. blood, fluid, bacteria, etc.) including viruses*

Moisture management
A dressing designed for patient comfort and longer wear times; especially in hot, humid conditions and on sweaty skin



Protection that stays put even in moist conditions

3M™ Tegaderm™ Diamond Pattern Film Dressing

Designed for patient comfort and longer wear times; **especially in hot, humid conditions and on sweaty skin**. Tegaderm™ Diamond Dressings are designed to secure and protect peripheral IV sites. They balance breathability with adhesion for a strong hold and gentle release.

Available for **ALL** catheter types



Strong hold, gentle release and minimal to no residue

Picture frames makes it easy to apply consistently

Stays secure without compromising patient comfort

Protects catheter sites and minor wounds



*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.

For clinical standardization and purchasing simplicity, choose 3M™ Tegaderm™ Dressings for your catheter securement needs.

With 3M™ Tegaderm™ Dressings as your sole supplier of catheter securement dressings and devices, you can streamline the purchasing process, simplify product selection and standardize securement processes and clinical training.

Order information					
Product Name	Product	Product Code	Overall Dressing Size	Dressing/Box	Boxes/Case
3M™ PICC/CVC Securement Device + Tegaderm™ I.V. Advanced Securement Dressing <i>For CHG product codes, visit 3M.com/TegadermCHG.</i>		1837-2100	3½ in x 4½ in 8,5 cm x 11,5 cm	20	4
		1839-2100	4 in x 6⅞ in 10 cm x 15,5 cm	20	4
3M™ Tegaderm™ I.V. Advanced Securement Dressing <i>For CHG product codes, visit 3M.com/TegadermCHG.</i>		1680	1½ in x 1¼ in 3,8 cm x 4,5 cm	100	4
		1682	2 in x 2¼ in 5,0 cm x 5,7 cm	100	4
		1683	2½ in x 2¾ in 6,5 cm x 7 cm	100	4
		1882	2¾ in x 3⅝ in 7 cm x 8,5 cm	50	4
		1681	2¾ in x 3⅞ in 7 cm x 8 cm	100	4
		1685	3½ in x 4½ in 8,5 cm x 11,5 cm	50	4
		1688	4 in x 4¾ in 10 cm x 12 cm	50	4
		1689	4 in x 6⅞ in 10 cm x 15,5 cm	25	4
3M™ Tegaderm™ Diamond Pattern Film Dressing		1674	1¼ in x 1¼ in 4,5 cm x 4,5 cm	100	4
		1676	2⅝ in x 2¾ in 6 cm x 7 cm	100	4
		1679	4 in x 4½ in 10 cm x 11,5 cm	50	4
		1684	2⅝ in x 2¾ in 6 cm x 7 cm	100	4
		1686	4 in x 4¾ in 10 cm x 12 cm	50	4

To request an in-person demonstration or trial evaluation for your hospital, contact 1-800-228-3957.



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