

3M Science.
Applied to Life.™

3M Medical Tapes Portfolio

**A choice that's
critical to care.**



The right medical tape matters.

Skin is the body's first line of defense against infection. Which means protecting and maintaining the integrity of the skin is critically important.

The medical tapes you choose, as well as how you apply and remove them, can make a difference. Improper use of medical tapes is more common than you might think, and may seriously impact clinical outcomes, cost targets and patient care. That's why choosing the right tape for the right situation matters.





The impact of not choosing the right tape.

Clinical impact

Not selecting the right tape for the right patient and application may have a potentially serious clinical impact, and may result in Medical Adhesive-Related Skin Injury (MARS), unplanned extubations or hospital-associated infections (HAIs).

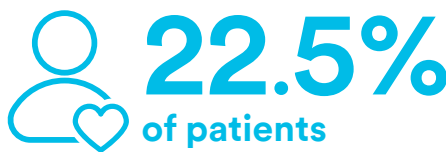
Choosing a high-adhesion tape for use on fragile skin may result in MARS, which may cause pain, increase the risk of infection and delay healing.¹

Using a tape that provides less adhesion than needed to secure a critical tube may result in unplanned dislodgement or extubation, which may lead to other complications and increase hospital length-of-stay.

Traditional 10-yard tape rolls, when used for more than one patient, may dramatically increase the risk of cross-contamination, which can lead to HAIs.



For every 100 patients who receive a medical tape application, 55 treatments for MARS will be needed.²



In one study, unplanned extubations occurred in 22.5% of patients in the intensive care setting.³



In one study, 11 out of 21 tape samples used for multiple patients contained methicillin-resistant *Staphylococcus aureus* (MRSA) and/or vancomycin-resistant enterococci (VRE).⁴

Cost impact

Not choosing the right tape may also impact your facility's bottom line when you factor in the longer length-of-stay and higher care costs that can result from secondary infections and complications.

MARSI doesn't just affect clinical outcomes and patient well-being. It may also contribute to higher care costs, which can burden the healthcare system as a whole.

Complications like unplanned extubations (which may result from improper medical tape use) may increase hospital length-of-stay, which may result in a significant increase in costs.

Hospital-acquired infections (HAIs) due to cross-contamination are a serious and costly risk as they can lead to longer, non-reimbursable hospital stays.



The average tape-induced skin injury costs \$88.50 to treat, which is 125x greater than the average cost of one roll of plastic tape.²



Hospital costs can increase by \$36,692 per pediatric patient with an unplanned extubation.⁵



\$28-45 billion is spent annually on hospital-acquired infections (HAIs).⁶

Patient impact

A patient's care experience is important, and not choosing the right tape may negatively impact the patient, affecting everything from their care experience to your facility's satisfaction scores.

MARSI, which may occur when medical adhesives are removed, can cause pain, increase the risk of infection and delay healing.¹

Unplanned extubations, which may result from improper use of medical tapes, may lead to longer hospital stays.

According to the Federal Register, rolls of tape cannot be decontaminated, and can therefore serve as a source of contamination for both facility personnel and patients.⁷



In one survey, 61% of clinicians indicated their current medical tapes do not meet the needs of fragile skin patients.⁸



Unplanned extubations can lead to a median increase of 5.5 days in the ICU and 6.5 days in the hospital.⁵

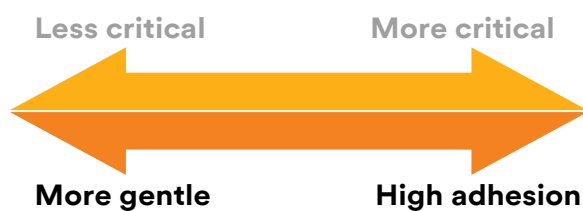


In one study, 74% of partially used tape rolls from various sites within the hospital had some bacterial growth.⁹

Our MARSI Prevalence Audit Program will measure your facility's MARSI prevalence rate, benchmark it against other facilities and recommend interventions to help improve it. Contact your 3M sales representative to get started.

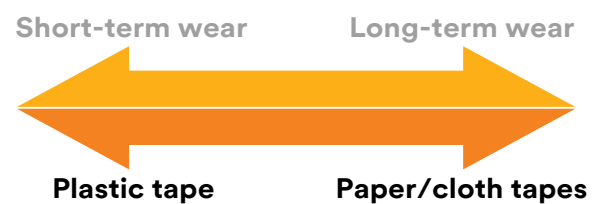
What the experts say about medical tape selection.

Choosing the right tape for the right situation is critical to patient care. According to the *Medical Adhesives and Patient Safety: State of the Science* consensus statements, clinicians should consider the following factors when selecting an adhesive product.¹⁰



1. Intended use of the product

The foremost patient consideration is the intended use or purpose of the product (i.e. securement of a critical device, non-critical device or dressing, wound closure, etc.). Depending on the application, clinicians must balance the need for adhesion and the need for gentleness.



2. Anticipated wear time

The intended use of the product directly influences anticipated wear time. Some tape materials are better suited for either short- or long-term wear, meaning clinicians should consider the trade-offs between tapes with plastic backing versus paper or cloth backing.



3. Anatomical location

If the location has potential for skin distention or movement (i.e. areas with joint articulation or in cases of edema), the risk of adhesive-related skin damage may be reduced by using tapes that stretch and flex with the body.



4. Ambient conditions present at the site

Consider whether the area is smooth or contoured, subject to movement or friction, or exposed to moisture, perspiration, humidity, exudate and/or body fluids. Some products are designed with these challenging conditions in mind.

To learn more about reducing the risk of MARSI, download the complete *Medical Adhesives and Patient Safety* consensus statements at [3M.com/MARSI](https://www.3m.com/MARSI).

The four core 3M medical tapes every facility needs.



Extra gentle



Multi-purpose



Flexible



High-adhesion

According to the consensus statements, the foremost consideration when selecting an adhesive product is intended use or purpose of the product. Generally speaking, most facilities have three types of securement needs: general securement, flexible securement and critical device/tube securement (see chart below for example applications).

At 3M, we've made it easy to meet these securement needs while choosing the right tape for the right patient and application, with four types of tape that can work harder and smarter: the four core 3M medical tapes.

General Securement

- Blood draws
- Dressings
- I.V. lines and tubing
- Non-critical tubes

Flexible Securement

- Long-wear compression
- Securement when swelling or movement is anticipated

Critical Device/Tube Securement

- Central venous catheter
- Foley catheter
- Nasogastric tube
- Endotracheal tube
- Chest tube
- Orogastric tube
- Surgical drain tube
- Device or dressing securement on oily or diaphoretic skin and in high-moisture environments

Ideal for fragile/at-risk skin

Ideal for intact skin (for at-risk skin, use a barrier like 3M™ Cavilon™ No Sting Barrier Film)

Extra gentle



3M™ Kind Removal Silicone Tape

Multi-purpose



3M™ Transpore™ White Surgical Tape

Other multi-purpose 3M medical tapes:

3M™ Transpore™ Surgical Tape
3M™ Micropore™ Surgical Tape

Flexible



3M™ Medipore™ H Soft Cloth Surgical Tape

Other flexible 3M medical tapes:

3M™ Microfoam™ Surgical Tape

High-adhesion



3M™ Durapore™ Advanced Surgical Tape

Other high-adhesion 3M medical tapes:

3M™ Durapore™ Surgical Tape
3M™ Multipore™ Dry Surgical Tape



Optimize your medical tape mix with help from 3M experts.

Many healthcare facilities stock a medical tape for every possible application, thinking that more choices are better. In fact, having more tapes than you really need can make the tape selection process more difficult.

More tapes, more challenges:

- Too many tape choices make it hard to develop consistent protocols for proper tape usage.
- Clinicians may use the wrong tape because it's too difficult to find the right one, potentially putting patients at risk.
- More tapes require more time to order, store and inventory, taking staff away from more important tasks.

Realize benefits across your facility with the 3MSM Medical Tapes Optimization Program.



Drive efficiency

The right mix of medical tapes can help reduce inventory costs and make storage more efficient while improving consistency of care. Plus, it can save time for clinical staff and purchasing.

50%
SKU reduction

3M experts helped Mercy Medical Center in Des Moines, Iowa reduce their tape SKUs by more than 50%.



Reduce waste

The right mix of medical tapes, which may include single-patient-use rolls, can help reduce the risk of infection and cut down on waste at the same time.

Up to **85%**
of tape rolls wasted

When traditional rolls of tape are used for one patient, up to 85% of that tape roll can end up being discarded.¹¹



Support care

The right mix of tapes, which may include gentle tape choices that provide greater patient comfort, can help reduce the risk of Medical Adhesive-Related Skin Injury (MARSI).

50+
years of leadership

3M invented the category of gentle-to-skin adhesives 50+ years ago.

Reduce the risk of infection and fight waste at the same time with single-patient-use rolls.

Many facilities, in an effort to prevent cross-contamination, often use one roll of tape for each patient. With traditional 10-yard tape rolls, up to 85% of that roll can end up being discarded.¹¹ For every 1,000 patients discharged, that can add up to more than two miles of tape. Imagine how that translates into dollars. Consider switching to single-patient-use rolls to help reduce the risk of infection and fight waste.

Make a positive impact with the right mix of medical tapes.

Let's talk about how the 3MSM Medical Tapes Optimization Program can help you drive efficiency, reduce waste and support care. Get started today at [3M.com/TapeOp](https://www.3m.com/TapeOp).





Advancing the science of securement.

Adhesive technology is a cornerstone of the 3M business. We invented the category of gentle-to-skin medical adhesives more than 50 years ago, and we've been innovating ever since to improve the design and formulation of adhesive products to help you realize ever-better patient outcomes. Today, we offer a full line of medical tapes that meet virtually every patient need and clinical application – helping you deliver a superior care experience.

Explore the 3M Medical
Tapes portfolio at
[3M.com/MedicalTapes.](https://www.3m.com/MedicalTapes)

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- ²Maene, B. (2013). Hidden costs of medical tape-induced skin injuries. *Wounds UK*, 9(1), 46-50.
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- ¹⁰McNichol, L., Lund, C., Rosen, T., & Gray, M. (2013). Medical Adhesives and Patient Safety: State of the Science. *Journal of Wound Ostomy & Continence*, 40(4), 365-380.
- ¹¹3M Market Research Data on File (2010/2011).



3M Medical Solutions Division

2510 Conway Ave.
St. Paul, MN 55144 USA

Phone 1-800-228-3957
Web 3M.com/Medical

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