Skin.
Our largest organ and first line of defense.

Skin is the first line of defense against irritants. But at times, our largest organ can become vulnerable itself. We understand you focus every day on improving clinical outcomes, and providing a better quality of life for your patients or residents. That’s why we are unlocking unique solutions to protect skin from Incontinence-Associated Dermatitis (IAD).

At 3M, we combine our unmatched expertise in polymer science with your clinical needs to develop effective solutions. As your partner in patient and resident care, we provide products you need to help reduce the risk of skin damage while helping provide your patients and residents comfort and relief.
What is Incontinence-Associated Dermatitis?

Incontinence-Associated Dermatitis (IAD) is a painful and problematic skin injury that results from exposure to urine or stool. Moisture and irritants trigger inflammation with damage occurring in a “top-down” fashion.¹

What is the impact of IAD?

For your patient or resident, IAD:

- Causes pain and suffering
- Increases the risk of complications such as pressure ulcers/injuries²,³

For you, IAD:

- Creates a poor patient or resident experience
- Increases the burden and cost of care
- Is not uncommon, and Category 2 IAD (moderate to severe IAD) increases the risk of complications, such as secondary infections⁴

IAD is a common risk factor for pressure ulcers/injuries.

Incontinence has long been considered a risk factor for pressure ulcers/injuries — moisture on the skin increases friction and friction is a component of shear force, which can contribute to pressure injury — especially in the sacrococcygeal area. Recently, IAD has been recognized as a risk factor² with the likelihood of developing a pressure ulcer/injury increasing with the severity of IAD.³

IAD is a risk factor for pressure ulcers/injuries.

IAD is a common risk factor for pressure ulcers/injuries.

Who is at risk for IAD?

All patients or residents with incontinence are at risk but those with mixed incontinence are the most vulnerable especially when stools are liquid or diarrhea is present.⁴

Facies act as a direct irritant to the skin. Loose stools increase the risk and severity of IAD.
IAD is a global health challenge.

Because IAD is such a significant health challenge globally, 3M brought together a panel of clinical experts from around the world to address gaps in evidence. The outcome of the group’s work was a compilation of current IAD knowledge and a set of best practice principles. This important resource provides a road map for developing and implementing an effective program to prevent and manage IAD.

Bring the best practice principles into your facility. Get a free download at 3M.com/IAD.

Preventing and managing IAD.

A global IAD expert panel articulated a straightforward two-step approach to nursing care.

**Step 1: Reduce or eliminate incontinent episodes.**
Incontinence should be assessed and reversible causes should be addressed and corrected if possible.

**Step 2: Implement a structured skin care regimen to maintain or improve skin integrity.** Skin care should be based on skin condition and identified risk factors for IAD. To help you, the expert panel created a simple severity categorization tool and an accompanying intervention table.

Characteristics of ideal products.

The global IAD expert panel outlined the ideal characteristics of products needed for IAD prevention and management.

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>3M™ Cavilon™ Durable Barrier Cream</th>
<th>3M™ Cavilon™ Advanced Skin Protectant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinically proven to help prevent or manage IAD</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Close to skin pH</td>
<td>✓</td>
<td>NA</td>
</tr>
<tr>
<td>Low irritant potential/hypoallergenic</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Does not sting on application</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Transparent or can be easily removed for skin inspection</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Removal/cleansing considers caregiver time and patient or resident comfort</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Does not increase skin damage</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Does not interfere with the absorption or function of incontinence management products</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with other products (e.g., adhesive bandages)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Acceptable to patients, residents, clinicians and caregivers</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Minimizes number of products, resources and time required to complete skin care regimen</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cost-effective</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
In continence skin care is vital to maintain or improve skin integrity.

A structured skin care regimen using 3M™ Cavilon™ Skin Care Solutions.

1. Cleanse
Gentle cleansing with a pH-balanced, no-rinse product removes harmful irritants.

2. Protect
An application of a waterproof, durable barrier keeps skin protected through episodes of exposure.

3. Restore
For intact skin, the addition of moisturizing ingredients can improve skin health.

<table>
<thead>
<tr>
<th>Assess &amp; identify skin condition</th>
<th>Step 1: Cleanse</th>
<th>Step 2: Protect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low to Medium Risk</td>
<td>Cleanse</td>
<td>Protect &amp; Restore</td>
</tr>
<tr>
<td>• Urine incontinence only</td>
<td></td>
<td>Protect</td>
</tr>
<tr>
<td>• Formed feces with or without urine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Risk</td>
<td></td>
<td>Protect</td>
</tr>
<tr>
<td>• Liquid feces</td>
<td></td>
<td>Protect</td>
</tr>
<tr>
<td>• Mixed incontinence</td>
<td></td>
<td>Protect</td>
</tr>
</tbody>
</table>

Patients and residents with IAD are susceptible to secondary skin infections.

For treatment of superficial skin infections caused by yeast (*Candida albicans*), use 3M™ Cavilon™ Antifungal Cream.

Assess & identify skin condition

- **At-risk skin**
  - Skin is normal as compared to rest of body. No signs of IAD.

- **Category 1 skin**
  - Skin is red but still intact. IAD present.

- **Category 2 skin**
  - Skin is red and broken.
Choose the right skin care solution.

Expertise in polymer science sets 3M™ Cavilon™ barrier products apart. Our proprietary polymer-based formulations provide durable long-lasting skin protection while allowing tapes and other adhesive products to adhere to skin.

3M™ Cavilon™ Advanced Skin Protectant
Cavilon Advanced Skin Protectant is a completely novel formulation that incorporates breakthrough science for skin protection. It combines a unique polymer system with a cyanoacrylate to create a highly durable, ultra-thin, transparent barrier with elastomeric properties. This barrier has the power to:

- Protect against caustic, corrosive body fluids, including liquid stool or gastric fluid
- Flex and stretch while in place, providing waterproof protection and protection from irritants for your patients and residents — even under the most challenging conditions
- Attach to wet, weepy damaged skin surfaces
- Create a protective environment that supports healing and helps reduce pain associated with IAD

Additional benefits for you, and your patients and residents:
- Avoid the need for frequent reapplication
- Allows easy, gentle cleansing with no removal required
- Easy-to-use, single-use applicator makes application fast and reduces the potential for cross-contamination possible with traditional products

3M™ Cavilon™ Durable Barrier Cream
For protection of at-risk skin or Category 1 IAD.
A unique moisturizing barrier cream. This breathable, vanishing formulation contains a blend of a 3M terpolymer and dimethicone for skin protection as well as skin conditioning ingredients for moisturization.

Unlike many products containing zinc oxide and petrolatum, this product provides durable protection that is breathable and vanishes into skin.

- Allows easy visualization of the skin
- Doesn’t clog briefs or transfer off skin
- Compatible with chlorhexidine gluconate (CHG)
- Fragrance-free
- Resists wash-off

3M™ Cavilon™ No-Rinse Skin Cleanser
A liquid skin cleanser that also moisturizes. It helps control odor for improved patient or resident well-being.

- Contains gentle surfactants
- pH balanced
- Convenient trigger sprayer

3M™ Cavilon™ Antifungal Cream
A moisture barrier cream containing 2% Miconazole Nitrate. The cream is intended to relieve redness and discomfort associated with superficial skin infections caused by C. albicans.

- Enriched with water-repelling ingredients
- Soothing
- Easy to apply
Significantly improve severe cases of Category 2 IAD.

Cavilon Advanced Skin Protectant has been shown to significantly improve severe cases of Category 2 IAD, even with continued incontinence. In a study of 16 patients with severe IAD:

- 13 showed an improved IAD score
- Among those 13, the median improvement in IAD score was 96%
- Four of the 12 patients with epidermal skin loss had complete re-epithelialization with 4–6 applications of the product

Prevent skin breakdown.

In a pre-clinical animal model, a single application of Cavilon Advanced Skin Protectant prevented skin breakdown from simulated incontinence fluid and provided protection for at least 48 hours. Untreated sites had 8.5 times more irritation than sites treated with Cavilon Advanced Skin Protectant.

Clinical evidence supports effective, efficient skin protection.

Use of 3M™ Cavilon™ No-Rinse Skin Cleanser, 3M™ Cavilon™ No Sting Barrier Film and 3M™ Cavilon™ Durable Barrier Cream as part of a comprehensive skin care program was associated with a reduction in the incidence (and severity) of Incontinence-Associated Dermatitis and the incidence of pressure ulcers.
3M™ Cavilon™ Professional Skin Care Products

<table>
<thead>
<tr>
<th>Cleanse/Moisturize</th>
<th>Cat No.</th>
<th>Product</th>
<th>Size</th>
<th>Items/Box</th>
<th>Boxes/Case</th>
<th>HCPCS Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3380</td>
<td>3M™ Cavilon™ No-Rinse Skin Cleanser</td>
<td>8 oz. bottle</td>
<td>12</td>
<td>1</td>
<td>A6250</td>
<td></td>
</tr>
<tr>
<td>3345</td>
<td>3M™ Cavilon™ No Sting Barrier Film</td>
<td>3 mL wand</td>
<td>25</td>
<td>4</td>
<td>A6250</td>
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<tr>
<td>3346</td>
<td>3M™ Cavilon™ No Sting Barrier Film</td>
<td>28 mL bottle</td>
<td>12</td>
<td>1</td>
<td>A6250</td>
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<tr>
<td>Advanced Protection</td>
<td>Cat No.</td>
<td>Product</td>
<td>Size</td>
<td>Items/Box</td>
<td>Boxes/Case</td>
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<tr>
<td>5050</td>
<td>3M™ Cavilon™ Advanced Skin Protectant</td>
<td>2.7 mL applicator</td>
<td>20</td>
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<tr>
<td>Protect</td>
<td>Cat No.</td>
<td>Product</td>
<td>Size</td>
<td>Items/Box</td>
<td>Boxes/Case</td>
<td>HCPCS Code</td>
</tr>
<tr>
<td>3353</td>
<td>3M™ Cavilon™ Durable Barrier Cream Fragrance Free</td>
<td>2g sachet</td>
<td>20</td>
<td>12</td>
<td>A6250</td>
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</tr>
<tr>
<td>3354</td>
<td>3M™ Cavilon™ Durable Barrier Cream Fragrance Free</td>
<td>1.0 oz. tube</td>
<td>48</td>
<td>1</td>
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<tr>
<td>3355</td>
<td>3M™ Cavilon™ Durable Barrier Cream Fragrance Free</td>
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<tr>
<td>Protect/Restore</td>
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<td>Product</td>
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<tr>
<td>3386</td>
<td>3M™ Cavilon™ Extra Dry Skin Cream</td>
<td>4 oz. tube</td>
<td>12</td>
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<td>A6250</td>
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<tr>
<td>9205</td>
<td>3M™ Cavilon™ Moisturizing Hand Lotion</td>
<td>16 oz. bottle</td>
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<td>1</td>
<td>A6250</td>
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<tr>
<td>9215</td>
<td>3M™ Cavilon™ Moisturizing Hand Lotion</td>
<td>2 oz. personal size bottle</td>
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<td>1</td>
<td>A6250</td>
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<tr>
<td>Moisturize</td>
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<td>Treat*</td>
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<td>Product</td>
<td>Size</td>
<td>Items/Box</td>
<td>Boxes/Case</td>
<td>HCPCS Code</td>
</tr>
<tr>
<td>3380</td>
<td>3M™ Cavilon™ No-Rinse Skin Cleanser</td>
<td>8 oz. bottle</td>
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<td>1</td>
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</tr>
</tbody>
</table>

*Disclaimer: HCPCS codes have been provided to assist you in the preparation of insurance claims. Please note, however, that the reimbursement information provided by 3M Health Care and its representatives is intended to provide general information relevant to coverage and coding for 3M products. Insurers’ reimbursement policies can vary and the use of the codes discussed here does not guarantee that an insurer will cover or pay at any particular level. Health care providers should exercise independent clinical judgment in choosing the codes which most accurately describe the products provided.

Together, we can help reduce the risk of IAD.
Visit 3M.com/IAD for more information, videos and your free download of the best practice principles document.

References
10. 3M data on file. EM-05-282150.
11. 3M data on file. EM-05-013746.
15. 3M data on file. EM-05-013746.
17. 3M data on file. EM-05-013746.
18. 3M data on file. EM-05-013746.
20. 3M data on file. EM-05-013746.
22. 3M data on file. EM-05-013746.
23. 3M data on file. EM-05-013746.
25. 3M data on file. EM-05-013746.
27. 3M data on file. EM-05-013746.
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33. 3M data on file. EM-05-013746.
34. 3M data on file. EM-05-013746.
35. 3M data on file. EM-05-013746.
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47. 3M data on file. EM-05-013746.
49. 3M data on file. EM-05-013746.
50. 3M data on file. EM-05-013746.

Important note: Refer to the product packaging for complete information related to the use of 3M™ Cavilon™ products.

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