


A healthcare professional with blonde hair, wearing a blue uniform and a stethoscope, is holding the hand of an elderly woman with white hair. The woman is lying in a hospital bed, looking up at the professional with a slight smile. The background is a blue patterned curtain. The overall tone is caring and professional.

3M

Cavilon™
Skin Care Solutions

**Understanding
Incontinence-Associated
Dermatitis and moving
prevention forward.**

A close-up photograph of an elderly person's hand, showing wrinkled skin and a thumb. The hand is positioned on the left side of the frame, with the fingers slightly curled. The skin is a warm, reddish-pink tone, and the wrinkles are prominent, especially on the back of the hand and fingers. The background is a soft, out-of-focus white.

Skin. Our largest organ and first line of defence.

Skin is the first line of defence 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

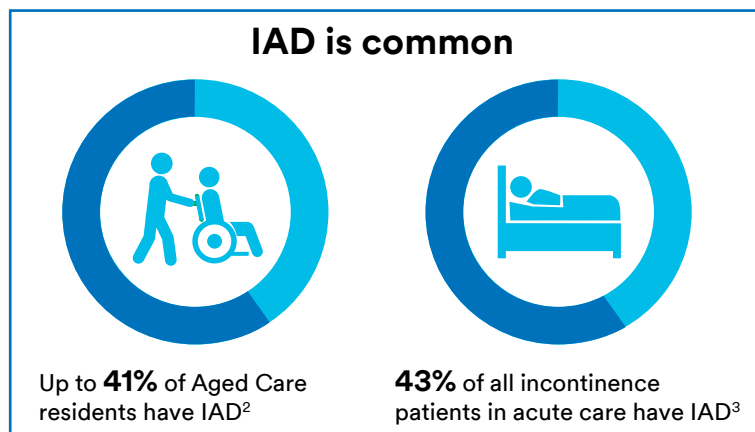
What is the impact of IAD?

For you, IAD:

- Creates a poor patient or resident experience
- Increases the burden and cost of care

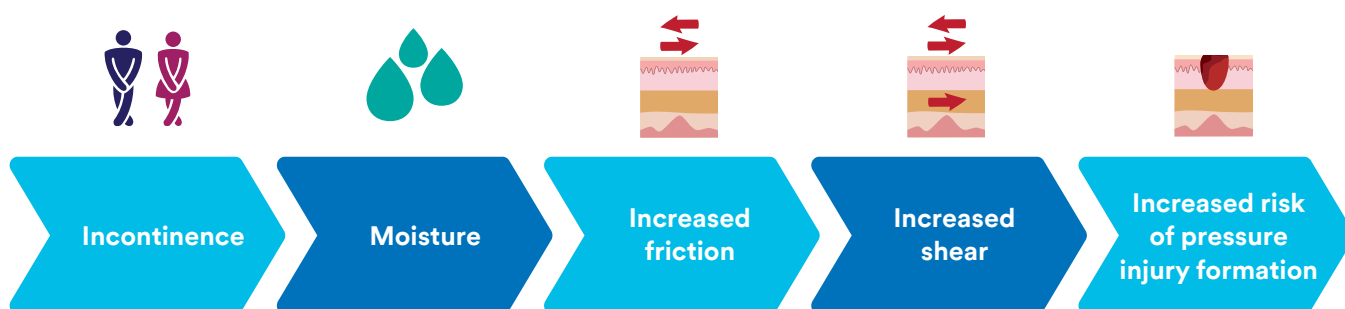
For your patient or resident, IAD:

- Is painful
- Increases the risk of complications such as secondary infections and pressure injuries



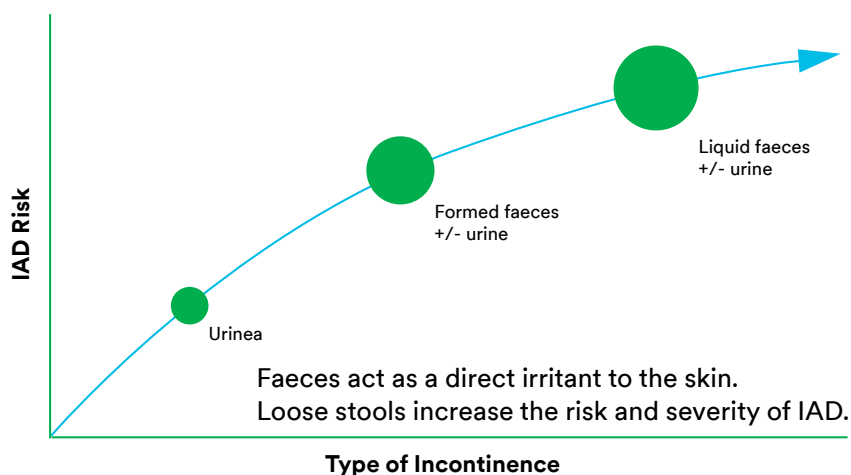
IAD is a risk factor for pressure injuries.

Incontinence has long been considered a risk factor for pressure 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 recognised as a risk factor⁴ with the likelihood of developing a pressure injury increasing with the severity of **IAD**.⁵



Who is at risk for IAD?

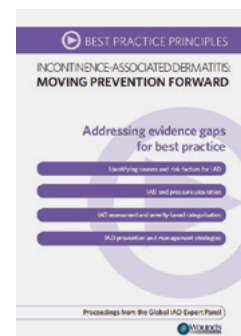
All patients or residents with incontinence are at risk but those with mixed incontinence are the most vulnerable especially when stools are liquid or diarrhoea is present.⁶



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.⁶ This important resource provides a road map for developing and implementing an effective program to prevent and manage IAD.

Bring the best-practice protocols into your facility. **Get a free download at cavilon.com.au or cavilon.co.nz.**



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Characteristics of ideal products.

The global IAD expert panel outlined the ideal characteristics of products needed for IAD prevention and management. ⁶	  		
	3M™ Cavilon™ Continence Care Wipes	3M™ Cavilon™ Durable Barrier Cream	3M™ Cavilon™ No Sting Barrier Film
Clinically proven to help prevent or manage IAD	✓	✓	✓
Close to skin pH	✓	✓	N/A
Low irritant potential/hypoallergenic	✓	✓	✓
Does not sting on application	✓	✓	✓
Transparent or can be easily removed for skin inspection	✓	✓	✓
Removal/cleansing considers caregiver time and patient or resident comfort	✓	✓	✓
Does not increase skin damage	✓	✓	✓
Does not interfere with the absorption or function of incontinence management products	N/A	✓	✓
Compatible with other products (e.g., adhesive bandages)	✓	✓	✓
Acceptable to patients, residents, clinicians and caregivers	✓	✓	✓
Minimises number of products, resources and time required to complete skin care regimen	✓	✓	✓
Cost-effective	✓	✓	✓

Preventing and managing IAD.

A global IAD expert panel articulated a straightforward two-step approach to nursing care.⁶

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 categorisation tool and an accompanying intervention table.
















A structured skin care regimen using 3M™ Cavilon™ Skin Integrity products.

Step 1:

Identify the condition.

Step 2:

Implement the appropriate skin care regimen.

		Cleanse, Moisturise and Protect		Additional Skin Protectant if worsening erythema/skin condition		
Clinical Presentation ⁶		What to use	When to use	What to use	When to apply	How much to use
No redness and skin intact (at risk)			After every incontinent episode		 Day and night	 Pea-size increments
Category 1: Red but skin intact			After every incontinent episode		 Day and night	 Apply an even coat
Category 2: Red with moderate to severe skin breakdown			After every incontinent episode		 Day and night	 Apply an even coat

Choose the right skin care products.

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™ Continance Care Wipes



A no-rinse cleanser, moisturiser and barrier in a strong yet gentle pre-moistened cloth. This multi-purpose product contains mild surfactants for cleansing along with soothing skin conditioning ingredients.

- One-step incontinence care helps to reduce caregiver time and effort by combining three steps in one
- Contains moisture repelling dimethicone
- Hypoallergenic and pH balanced
- Parabens-free, aloe-free and fragrance-free
- Compatible with chlorhexidine gluconate (CHG)⁷

3M™ Cavilon™ Durable Barrier Cream



A unique moisturising 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 moisturisation.

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

- Allows easy visualisation of the skin
- Doesn't clog incontinence pads or transfer off skin⁸
- Concentrated – requires less frequent application and less product with each application than typical moisture barriers
- Resists wash-off – eliminates the need for frequent reapplication⁷
- Compatible with chlorhexidine gluconate (CHG)⁷
- Fragrance-free

3M™ Cavilon™ No Sting Barrier Film



The original alcohol-free barrier film. It is composed of a 3M terpolymer that forms a breathable, transparent protective coating on the skin. The solvent system makes the product fast drying and creates a non-sticky finish.

Unique to this product is an additional polymer (a plasticiser) that helps form an effective flexible barrier; this avoids cracking when applied over an area that bends or creases.

- Versatile – protects skin from body fluids, friction and adhesives
- Non-cytotoxic⁷
- Alcohol- and fragrance-free
- Doesn't clog incontinence pads or transfer off skin⁹
- Compatible with chlorhexidine gluconate (CHG)⁸



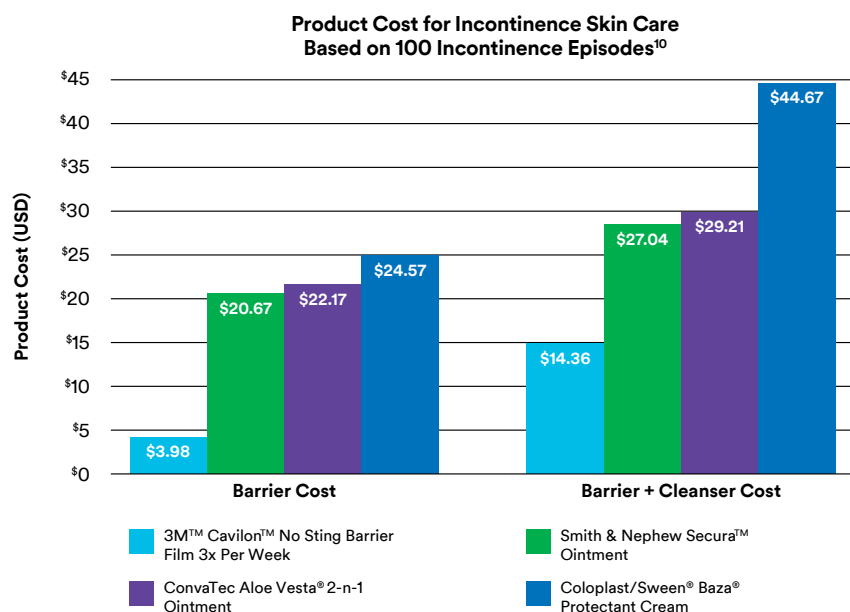
3M™ Cavilon™ Products: Clinical and health economic evidence.

Clinical evidence supports effective, efficient skin protection:

- A defined (structured) skin care regime, including the use of a soft pre-moistened washcloth impregnated with a 3% dimethicone skin protectant, resulted in a significantly reduced prevalence of IAD and a trend towards less severe lesions.¹⁰
- Cavilon Durable Barrier Cream was shown to be significantly more resistant to wash off than a number of common dimethicone-based barrier creams.¹¹
- Use of Cavilon No Sting Barrier Film 3 times per week was found to be as effective for prevention of IAD as commonly used every-application regimens.¹²

Health economic evidence:

In a health economic study that included 981 subjects, Cavilon No Sting Barrier Film was proven to be cost-effective, significantly reducing product cost and nursing time associated with incontinence skin care versus traditional skin care protocols using barrier ointments or creams.¹²



3M™ Cavilon™ Professional Skin Care Products

3M™ Cavilon™ Continence Care Wipes

Product Code	Size	Items/Box	Boxes/Case
9274	N/A	8	12

3M™ Cavilon™ Durable Barrier Cream

Product Code	Size	Items/Box	Boxes/Case
3392GS	2g sachet	20	12
3391G	28g tube	1	12
3392G	92g tube	1	12

3M™ Cavilon™ No Sting Barrier Film

Product Code	Size	Items/Box	Boxes/Case
3344E	1mL wipe	30	6
3343E	1mL wand	25	4
3345E	3mL wand	25	4
3346E	28mL spray	12	1

Together, we can help reduce the risk of IAD.

Visit cavilon.com.au or cavilon.co.nz for more information, videos and your free download of the Best Practice Principles document.

References

1. Thayer DM, Rozenboom B, Baranoski S. "Top-down" Skin Injuries: Prevention and Management of Moisture-Associated Skin Damage, Medical Adhesive-related Skin Injury (MARSI) and Skin Tears. In: Doughty D and McNichol LL eds. Wound Management. Philadelphia, PA Wolters Kluwer 2016. p283.
2. Nix D, Haugen V (2010) Prevention and management of Incontinence-Associated Dermatitis. Drugs Aging 27(6): 491-6.
3. Gray M, Bartos S. Incontinence-Associated Dermatitis in the Acute Care Setting: A Prospective Multi-Site Epidemiological Study. Presented at the Symposium on Advanced Wound Care. May 2013.
4. Beeckman D, Van Lancker A, Van Hecke A, Verhaeghe S. A systematic review and meta-analysis of Incontinence-Associated Dermatitis, incontinence, and moisture as risk factors for pressure ulcer development. Res NurseHealth 2014; 37: 204-18.
5. Park KH. The effect of a silicone border foam dressing for prevention of pressure ulcers and Incontinence-Associated Dermatitis in intensive care unit patients. J WOCN 2014; 41(5): 424-29.
6. Beeckman D et al. Proceedings of the Global IAD Expert Panel. Incontinence-Associated Dermatitis: moving prevention forward. Best Practice Principles. Wounds International 2015.
7. 3M Data on file.
8. Hart J. Assessment of the incontinence pad blocking potential of 3M™ Cavilon™ Durable Barrier Cream compared with Sudocrem™ and zinc and castor oil. Nursing Scotland. July/August 2002.
9. Zehrer CL, Newman DK, Grove GL, Lutz JB. Assessment of diaper-clogging potential of petrolatum moisture barriers. Ostomy Wound Manage. 2005; 51(12): 54-8.
10. Beeckman D. et al. JWOCN 2011 8(6):627-634
11. Grove G, Houser T, Zerwick C. A comparison of the effectiveness and wash-off resistance of four dimethicone skin barrier creams. Poster presented at the Clinical Symposium on Advances in Skin and Wound Care. 2010.
12. Bliss DZ, Zehrer C, Savik K, Smith G, Hedblom E. An economic evaluation of four skin damage prevention regimens in nursing home residents with incontinence. J WOCN 2007;34(2):143-52.

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



3M Australia Pty Limited

ABN 90 000 100 096
Building A, 1 Rivett Road
North Ryde, NSW 2113
Phone 1300 363 878
www.Cavilon.com.au

3M New Zealand Limited

94 Apollo Drive
Rosedale, Auckland, 0632
Phone 0800 80 81 82
www.Cavilon.co.nz

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