

**+** A comprehensive guide  
to using **ALLEVYN** <sup>◇</sup> Silicone  
Foam Dressings to help prevent  
medical device-related  
pressure injuries

**Smith+Nephew**

**ALLEVYN** <sup>◇</sup>  
Foam Dressings

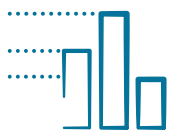
Helping you get **CLOSER TO ZERO** <sup>◇</sup>  
pressure injuries.<sup>1,2</sup>

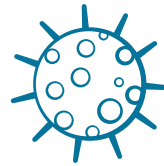


The burden of medical device-related pressure injuries (MDRPIs) is considerable and patients of all ages are affected, particularly in the acute-care setting of operating rooms, intensive care units and emergency departments, where devices are intensively used.<sup>3</sup>

**75%** of MDRPIs are facility-acquired<sup>4</sup>

**1/3** One in three pressure injuries in hospitalized adults are related to medical devices<sup>5</sup>

 **Medical devices are the number one** cause of pressure injuries in children<sup>6</sup>



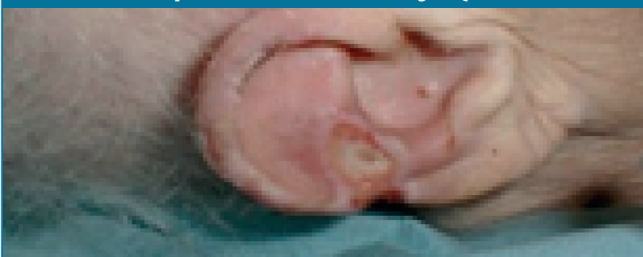
**Covid-19** has led to an increased risk of MDRPIs amongst critically ill patients. Placement in a prolonged prone position, as well as using respiratory support equipment, has increased risks, especially facial injuries.<sup>7</sup>

Frontline staff using personal protective equipment (PPE) for extended number of hours are also at risk of MDRPIs.<sup>8</sup>

MDRPIs can result in:<sup>3</sup>

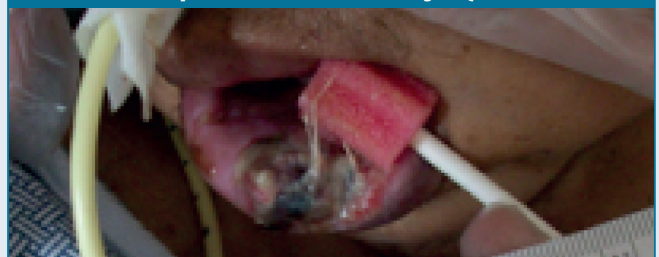
- Increased risk of potentially life-threatening infections, such as sepsis
- Pain and scars, which may be highly visible and cause distress
- Hair loss, altered body image and/or reduced quality of life
- Increased length of stay and use of additional resources

## Medical device-related pressure ulcer/injury



Related to the use of devices and generally conform to the pattern or shape of the device.

## Mucosal membrane pressure ulcer/injury

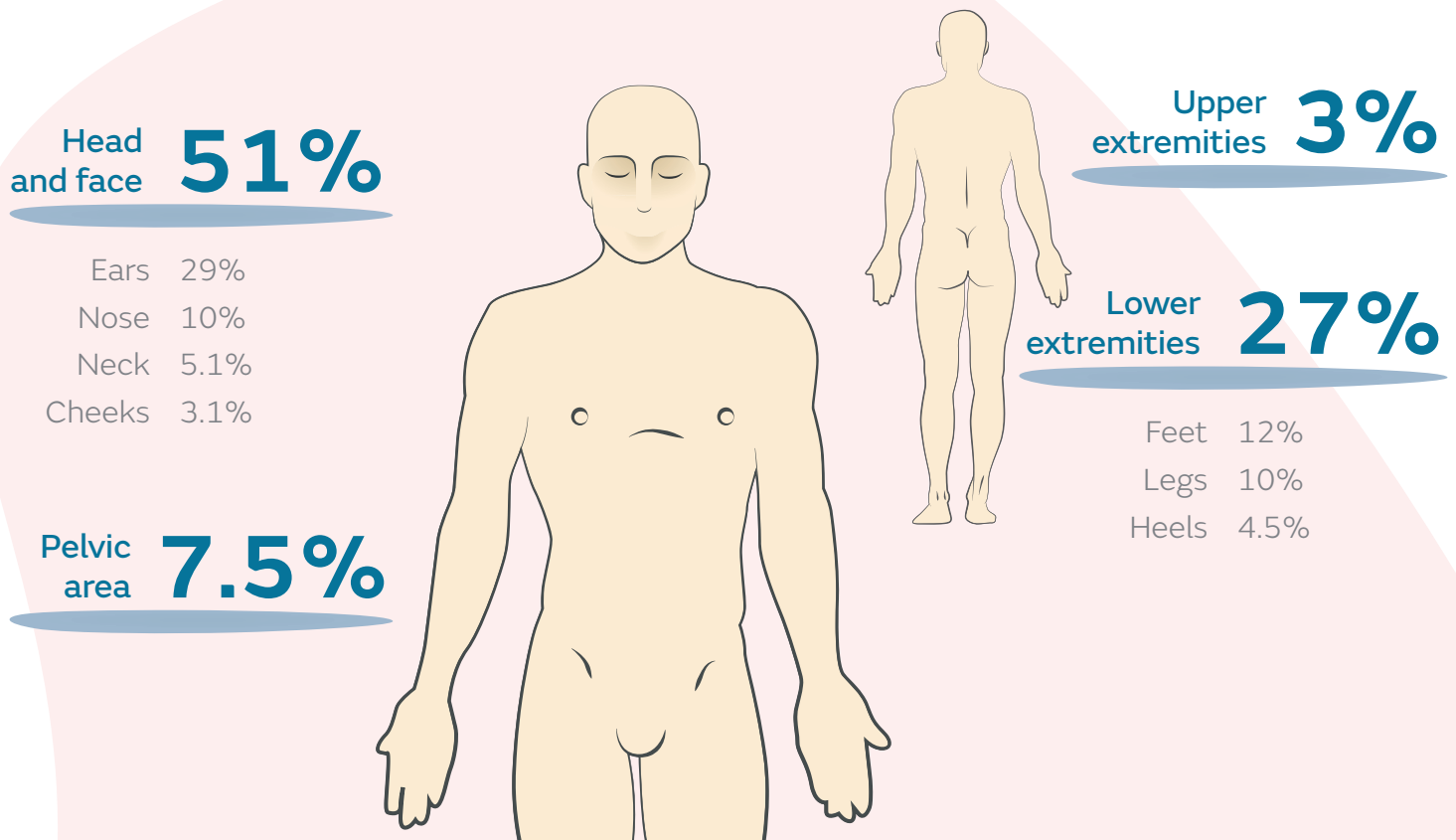


Found on mucous membranes with a history of medical device in use at the location of the injury.

# Where do MDRPIs occur?

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The highest number of MDRPIs occur on the head and face, **with the ears and nose reported most often**, followed by MDRPIs occurring on the feet and legs<sup>4</sup>



## Devices which commonly contribute to MDRPI

The presence of a medical device or the insertion site of the device creates a risk of injury. There are certain devices with increased risk, these include:<sup>4</sup>

- Nasogastric tubes
- Nasal cannulas
- CPAP/BiPAP masks
- Cervical collars
- Endotracheal tubes
- Tracheostomy tubes
- Percutaneous endothelial gastrostomy tubes
- Urinary catheters
- Intravenous catheters/tubing

# Plan to prevent MDRPIs

For patients with medical devices, it is essential to implement strategies that **reduce risk** and **offer a high standard of care**.

Follow these top tips when selecting medical devices, as recommended by the international guideline for pressure injury prevention.<sup>9</sup>



- **Choose the correct size and shape of device** for the individual and ensure that it has the ability to minimize tissue damage
- **Correctly apply and secure the device** according to manufacturer's instructions
- **Regularly monitor the tension** and seek individual's feedback about comfort when possible
- **Use a prophylactic dressing under a medical device** to reduce the risk of pressure injuries, considering:
  - Ability to manage moisture when used with a device in contact with bodily fluids/drainage
  - Ease of application and removal
  - Dressing thickness under tightly-fitted devices
  - Anatomical location and device type
  - Patient comfort
- **In accordance with your protocol, continue to lift and/or move the medical device** for regular skin inspections and reposition for pressure relief
- **If using an oxygen delivery device**, alternate between correctly fitting mask and nasal prongs to reduce the severity of nasal and facial pressure injuries for neonates receiving oxygen therapy (also consider for adults)

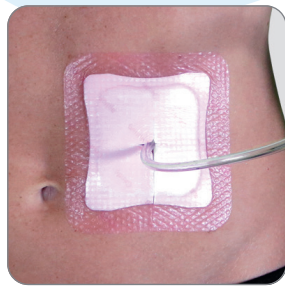
# ALLEVYN<sup>®</sup> silicone-adhesive dressings can help prevent MDRPIs\*

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## Common points of pressure injuries in body caused by devices

Front

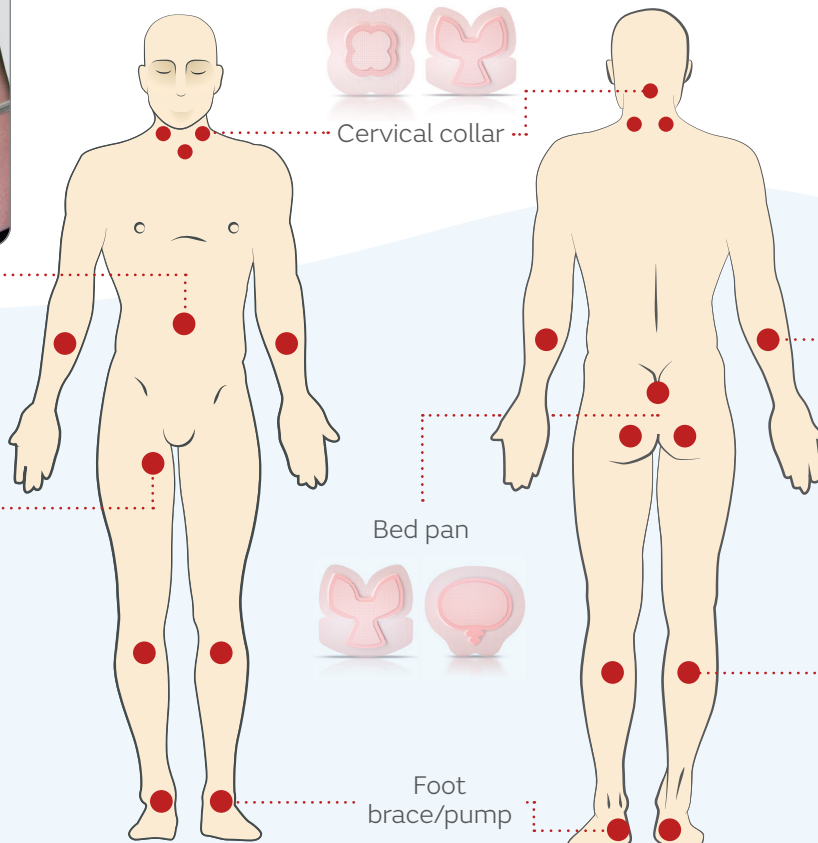
Back



Gastrostomy tube



Urinary catheter



Cervical collar

Arm + leg splint/brace

Bed pan

Foot brace/pump

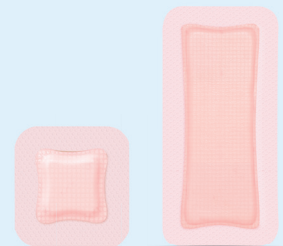
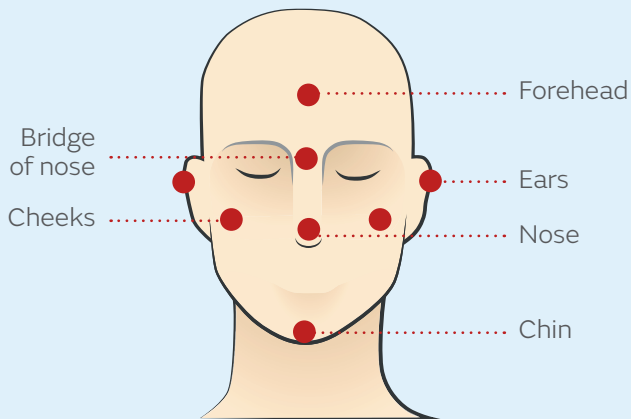


The shapes, types and number of dressings pictured above are an illustration of best practice.<sup>8,9</sup>

\*As part of a pressure injury prevention protocol or prevention bundle

## Facial pressure injuries caused by medical devices

Common pressure points on the face caused by medical devices and extended wear from personal protective equipment include the forehead, bridge of nose, cheeks, chin and ears.

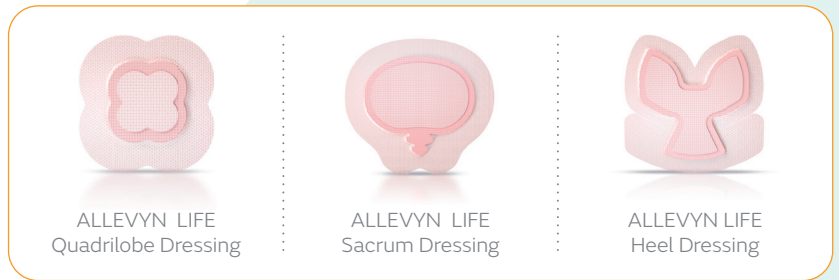


The shapes, types and number of dressings pictured above are an illustration of best practice.<sup>8,9</sup>

ALLEVYN<sup>®</sup> silicone-adhesive dressings work with a variety of devices and are available in a wide range of shapes and sizes, suitable for fragile and delicate skin<sup>1,10–15</sup> and can be repositioned,<sup>12,16–19</sup> to enable regular skin inspections.

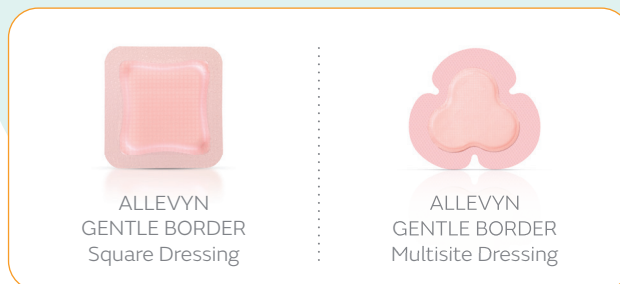
### ALLEVYN LIFE Dressings

ALLEVYN LIFE Dressings have a unique, conformable<sup>20,21</sup> design shown to **significantly reduce pressure forces through the dressing**<sup>\*22</sup> and distribute pressure over a larger contact area compared to other traditional foam dressings<sup>†22</sup>. This makes it suitable to **protect bony prominences** and under larger medical devices such as cervical collars, arm and leg splints.



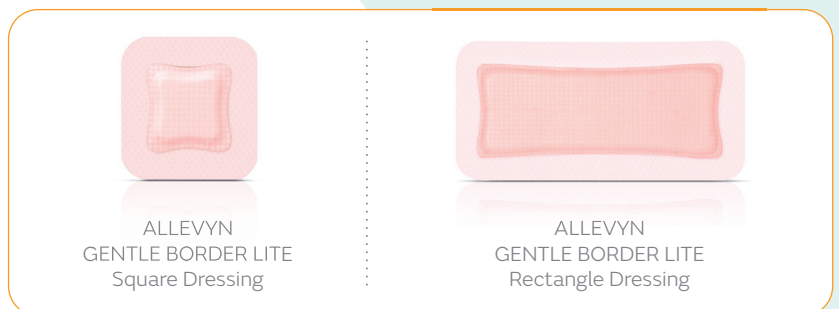
### ALLEVYN GENTLE BORDER Dressings

ALLEVYN GENTLE BORDER Dressings feature a multi-way stretch to help conform to awkward areas<sup>11,23–25</sup> and can be cut,<sup>‡26</sup> making them **versatile and adaptable for use under devices** such as catheters and other tubing.



### ALLEVYN GENTLE BORDER LITE Dressings

ALLEVYN GENTLE BORDER LITE Dressings conform to the contours of the face<sup>27,28</sup> and help protect skin exposed to pressure and friction.<sup>27,29–32</sup> **It reduced pressure transmission from a face mask by an average of 49%**<sup>§30</sup> and have been used in the prevention of facial MDRPIs as part of a pressure injury protocol.<sup>f27</sup>



The use of ALLEVYN Dressings under personal protective equipment (PPE) for maintaining the seal or impact of viral transmission has not been tested

\*As demonstrated in laboratory testing; p<0.001; compared to Mepilex™ Border and Optifoam™ Gentle; average and peak pressure forces. †As demonstrated in laboratory testing; p<0.001, compared to Mepilex™ Border. ‡Cutting will compromise the bacterial barrier properties of the dressing. Always use an aseptic technique. Ensure any exposed foam areas are covered with an appropriate film dressing taking care not to cover the entire dressing. §As demonstrated in laboratory testing compared to no dressing. †n=235.

# Ordering information

## ALLEVYN® LIFE Dressings

| Code     | Dressing size: border to border                | Pad size                          |
|----------|------------------------------------------------|-----------------------------------|
| 66021067 | 4" x 4" (10.3cm x 10.3cm)                      | 2" x 2" (5.1cm x 5.1cm)           |
| 66021068 | 5 1/16" x 5 1/16" (12.9cm x 12.9cm)            | 3" x 3" (7.6cm x 7.6cm)           |
| 66021069 | 6 1/16" x 6 1/16" (15.4cm x 15.4cm)            | 4" x 4" (10.2cm x 10.2cm)         |
| 66021070 | 8 1/4" x 8 1/4" (21cm x 21cm)                  | 6" x 6" (15.4cm x 15.4cm)         |
| 66021304 | Heel 9" x 9 1/8" (25cm x 25.2cm)               | 7 7/8" x 8" (20cm x 20.2cm)       |
| 66021306 | Sacrum Small 6 3/4" x 6 7/8" (17.2cm x 17.5cm) | 4 7/8" x 3 5/16" (12.3cm x 8.3cm) |
| 66021307 | Sacrum Large 8 1/2" x 9" (21.6cm x 23cm)       | 6 3/4" x 4 13/16" (17cm x 12.3cm) |



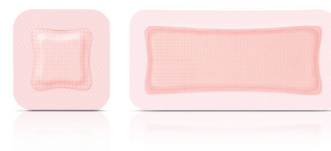
## ALLEVYN GENTLE BORDER Dressings

| Code     | Dressing size: border to border                | Pad size                          |
|----------|------------------------------------------------|-----------------------------------|
| 66800270 | 4" x 4" (10cm x 10cm)                          | 3" x 3" (7.5cm x 7.5cm)           |
| 66800279 | 5" x 5" (12.5cm x 12.5cm)                      | 4" x 4" (10cm x 10cm)             |
| 66800280 | 7" x 7" (17.5cm x 17.5cm)                      | 6" x 6" (15cm x 15cm)             |
| 66800506 | Heel 9" x 9 1/8" (25cm x 25.2cm)               | 7 7/8" x 8" (20cm x 20.2cm)       |
| 66800959 | Multisite 6 3/4" x 7" (17.1cm x 17.9cm)        | 4 1/2" x 4 4/5" (11.6cm x 12.3cm) |
| 66800898 | Sacrum Small 6 3/4" x 6 7/8" (17.2cm x 17.5cm) | 4 7/8" x 3 5/16" (12.3cm x 8.3cm) |
| 66801031 | Sacrum Large 8 1/2" x 9" (21.6cm x 23cm)       | 6 3/4" x 4 13/16" (17cm x 12.3cm) |



## ALLEVYN GENTLE BORDER LITE Dressings

| Code     | Dressing size: border to border | Pad size                   |
|----------|---------------------------------|----------------------------|
| 66800836 | 2 1/8" x 4 3/4" (5.5cm x 12cm)  | 1 1/2" x 4" (3.5cm x 10cm) |
| 66800833 | 2" x 2" (5cm x 5cm)             | 1" x 1" (3cm x 3cm)        |
| 66800834 | 3" x 3" (7.5cm x 7.5cm)         | 2" x 2" (5cm x 5cm)        |
| 66800835 | 4" x 4" (10cm x 10cm)           | 3" x 3" (7.5cm x 7.5cm)    |
| 66800840 | 6" x 6" (15cm x 15cm)           | 5" x 5" (12.5cm x 12.5cm)  |



For detailed product information, including indications for use, ingredients, directions, contraindications, precautions, warnings, and/or important safety information, please consult each product's package labeling, Instructions for Use (IFU), and/or Drug Facts prior to use.

### Advanced Wound Management

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