



**PHILIPS**

Hospital  
respiratory care

# Flexibility and comfort for you and your patients

## Philips Respironics AF541 noninvasive ventilation mask

Delivering high-quality respiratory care to your patients in today's complex healthcare environment demands new thinking — especially when it comes to patient comfort and addressing skin breakdown.

Designed to rest comfortably on the face, the Philips Respironics AF541 noninvasive ventilation (NIV) mask features interchangeable under-the-nose (UTN) and over-the-nose (OTN) cushions to achieve the benefits of mask rotation while using a single mask.



## Sound strategy to address skin breakdown

Skin breakdown for NIV patients can be difficult to manage and quite costly. For example, in the United States, Stage III and IV pressure injuries are classified as a preventable Hospital Acquired Condition (HAC)<sup>1</sup> and are no longer reimbursed by current insurance guidelines.<sup>2</sup>

Mask rotation has been proven to decrease skin breakdown by varying the pressure points on the skin.<sup>3</sup> Alternating the cushions on the Philips Respironics AF541 mask offloads pressure points on the skin to better support your mask rotation strategies. By replacing just the cushion instead of the entire mask style, it is also a cost-effective strategy that enhances your workflow.

## Comfortable and easy to use

One study found that 37.5% of patients failed NIV because of mask intolerance and discomfort, which are recognized as two of the most common reasons for mask failure.<sup>4</sup>



\* The mask is also compatible with traditional four-point headgear.

# Mask **rotation**



By **regularly rotating between masks**, you can offload and redistribute pressure, reducing the potential for skin breakdown.

# Sizes and elbow options cover nearly all patient needs

The OTN cushion is offered in four sizes (S, M, L, XL) and the UTN cushion in three sizes (A, B, C) so you can choose an effective size for your patient. Both cushions provide exceptional comfort and fit.

The Philips Respironics AF541 mask can be used with four elbows:

- EE Leak 1
- EE Leak 2
- SE



14 of 15 respiratory care practitioners rated the Philips Respironics AF541 mask 4 or 5 for ease of use, with 10 giving it the highest rating of 5.\*



The Philips Respironics AF541 mask's interchangeable UTN and OTN nose cushions allow you to achieve the benefits of mask rotation while using a single mask.



The Philips-exclusive Clean Clip keeps the mask safe during shipping and while in your hospital storage. At the bedside, you can attach the Clean Clip to the ventilator, providing a convenient spot to store the mask while the patient isn't using it.

\* Philips summative usability and validation study report for Respironics AF541 Oro-nasal mask and related system components. Submitted by: Brecon Human Factors Design. 23 Oct 2015.

1. Epstein S. Respiratory Care. 2009 Jan;54(1).
2. Gregoretti, et al. Evaluation of patient skin breakdown and comfort with a new face mask for noninvasive ventilation: a multi-center study. Inten Care Med. 2002;28:278-284.
3. Schallom M, et al. Pressure Ulcer Incidence in Patients Wearing Nasal-Oral Versus Full-Face NIV masks. AJCC. 2015 July;24(4).
4. Squadrone E, et al. Noninvasive vs invasive ventilation in COPD patients with severe acute respiratory failure deemed to require ventilatory assistance. Inten Care Med. 2004;30(7).

