

A new silicone adhesive bordered SAP containing dressing: Benefits in Practice

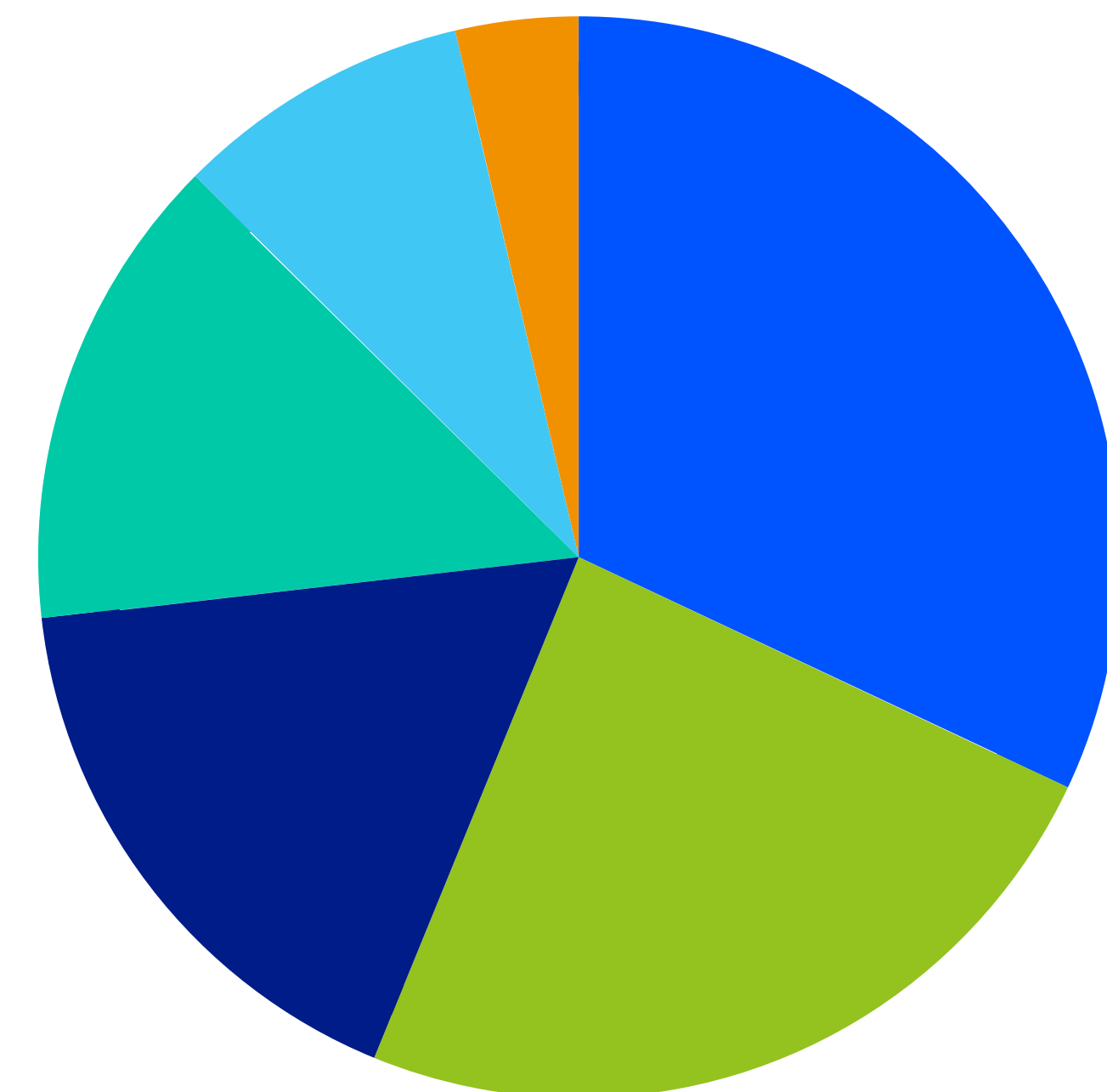
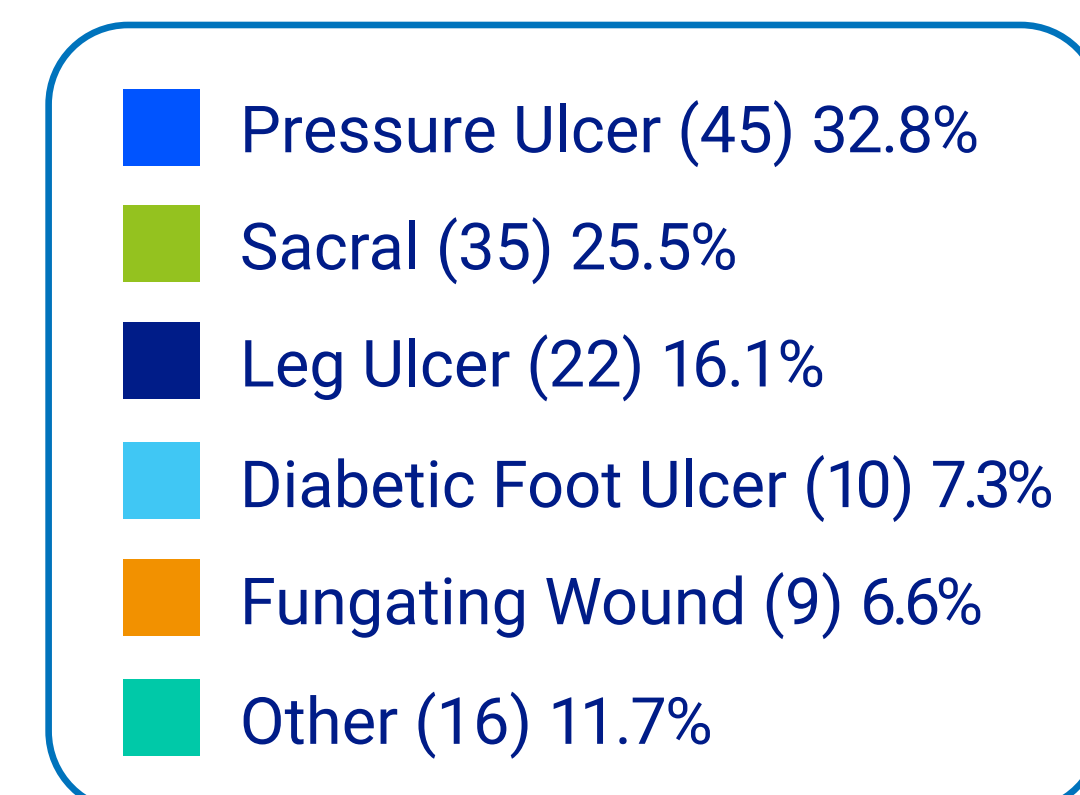
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Introduction

The application of appropriate wound dressings is pivotal for optimising wound healing and enhancing patient comfort. This study assessed the clinical benefits of a newly launched silicone adhesive bordered dressing containing SAP, RespoSorb® Silicone Border. The study evaluated dressing usability, patient comfort and overall performance. Effective wound management, particularly through maintaining an optimal wound balance, is essential for improving healing outcomes and patient satisfaction. Superabsorbent dressings containing polyacrylate polymers (SAPs) offer a unique advantage by helping to regulate wound exudate levels, maintain moisture balance, and bind potential wound inhibitors (e.g., proteases like MMP2, MMP9, elastase and microorganisms) within the core of the dressing, preventing further tissue damage and promoting faster healing.^[1]

Figure 1

137 wounds treated



Method

A total of 137 evaluation forms were completed by UK healthcare professionals working in various settings. The evaluation examined the dressing being used on various wound types (see Fig. 1). Data collection focused on several key areas: the ability of the dressing to remain in place, patient comfort during wear, ease of application and overall performance relative to previously used dressing where 70% were foam dressings (Fig. 3). Participants provided subjective ratings and qualitative feedback regarding their experience, which was then analysed to gauge its effectiveness compared to traditional alternatives.

References

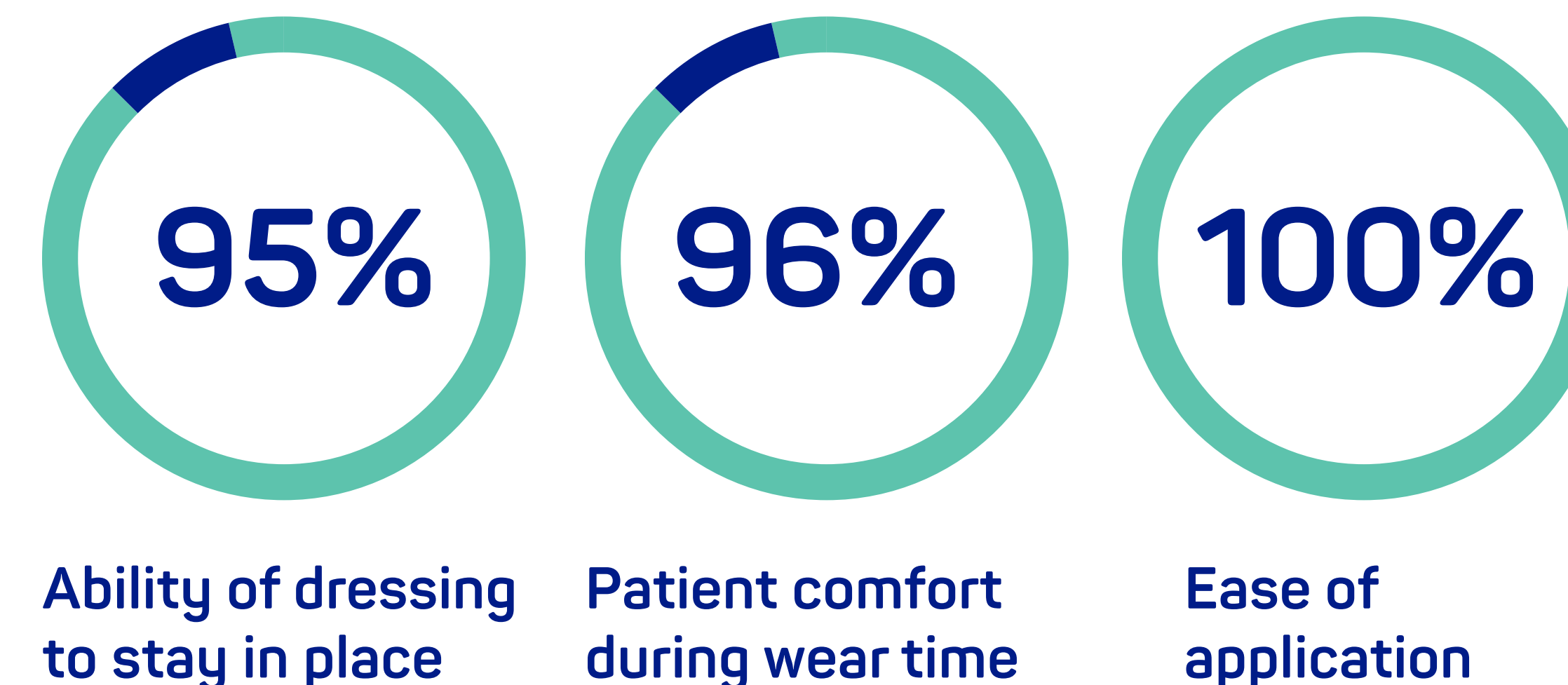
[1] Wounds International (2023) Wound balance: achieving wound healing with confidence. Wounds International, London. Available to download from www.woundsinternational.com. [2] Barrett, S., Rippon, M. and Rogers, A.A. (2020) 'Treatment of 52 patients with a self-adhesive siliconised superabsorbent dressing: A multicentre observational study', Journal of Wound Care, 29(6), pp. 340–349. doi:10.12968/jowc.2020.29.6.340. [3] Velickovic VM, Prieto PA, Krga M, Jorge AM. Superabsorbent wound dressings versus foam dressings for the management of moderate-to-highly exuding venous leg ulcers in French settings: An early stage model-based economic evaluation. Journal of Tissue Viability. 2022;31(3):523-30. [4] Velickovic VM, Lembelembe J P, Cegri F, Binic I, Abdelaziz AB, Sun S, et al. Superabsorbent wound dressing for management of patients with moderate-to-highly exuding chronic leg ulcers: An early stage model-based benefit-harm assessment. The International Journal of Lower Extremity Wounds. 2021. WM-0098/24-GB

Results

The findings revealed that 95% (n=130) of participants rated the ability of RespoSorb® Silicone Border dressings to stay in place as good or excellent. Similarly, 96% (n = 132) of respondents rated patient comfort during wear time as good or excellent. Ease of application was universally rated as good or excellent by all participants (n = 137) (see Fig. 2). Additionally, 83% (n=114) of respondents felt the dressing performed better than their previous foam dressings (see Fig. 5). These results underscore the positive impact of RespoSorb® Silicone Border in terms of usability, comfort and ease of use, demonstrating a clear preference over foam dressings. Wound progression was rated as good or excellent by 85% of respondents.

Figure 2

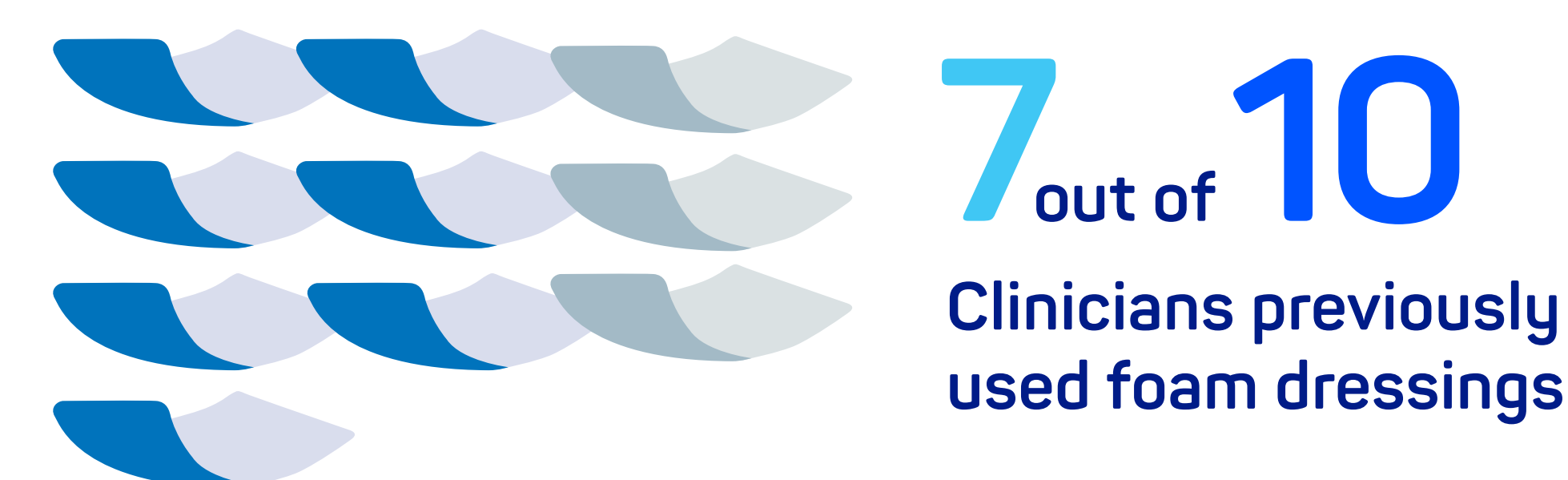
Clinicians rated RespoSorb® Silicone Border as good or excellent in the following areas:



Discussion

The high ratings for usability, comfort, and ease of application of RespoSorb® Silicone Border dressings highlight their effectiveness in clinical practice. The silicone border design contributes to improved adherence to the skin, reducing the risk of displacement and minimising trauma upon removal. Additionally, the ease of application and removal associated with silicone dressings can lead to better overall patient compliance and reduction in pain.^[2]

Figure 3



These findings are consistent with existing research that suggests SAP containing dressings can provide better clinical outcomes and cost-effectiveness compared to foam dressings.^[3] Silicone bordered SAP containing dressings that improve the wound environment through protease modulation have been found to be effective in a wide range of wound types. Utilising these dressings for early intervention can enhance healing and help prevent high risk wounds from becoming chronic.^[1]

Figure 4



Conclusion

RespoSorb® Silicone Border dressings offer distinct benefits in wound management, particularly in maintaining optimal wound balance. The dressings provide excellent adhesion, patient comfort and ease of application while also promoting a controlled wound environment conducive to healing. The sequestration of harmful proteases and microorganisms within the dressing further enhances the healing process.

The study's findings demonstrate a clear preference for a silicone bordered SAP containing dressing due to its superior performance compared to foam dressings. By integrating silicone-based SAP dressings like RespoSorb® into routine clinical practice, healthcare professionals can improve both patient outcomes and overall wound care efficiency, leading to enhanced quality of life for patients.^[4] These results underline the importance of wound dressings that effectively balance biomarkers, comfort, and protection to achieve optimal wound healing.

Figure 5

