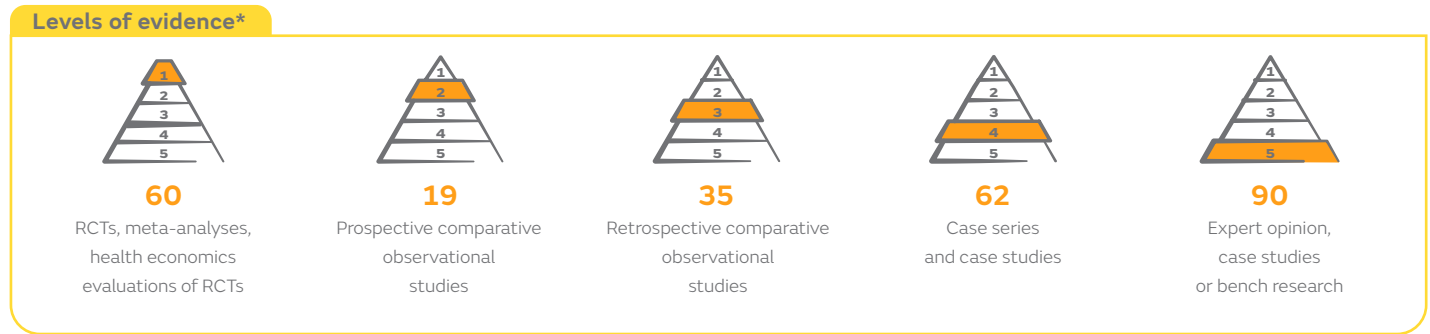


PICO^o sNPWT has a strong evidence base



To date, **316*** clinical publications (peer-reviewed manuscripts and conference abstracts) regarding PICO sNPWT have been identified (166 unique studies). The table below illustrates the extensive volume of evidence supporting PICO sNPWT, spanning from level 1 to level 5.



*Up to 18 May 2023. Evidence analysis report; EA/AWM/PICO/030/v3.

Is there a ‘gold standard’ negative pressure level for wound care?

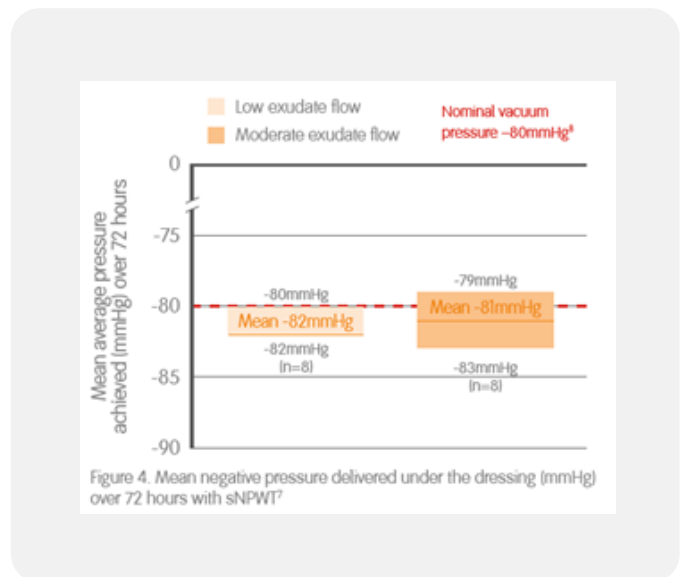
- Clinical guidelines and consensus groups recommend therapeutic negative pressure levels of -50 to -150mmHg for wound care,^{2,3} however, there is no single negative pressure value that is recommended for all wound types and patients
- High or low negative pressure levels are advised depending on exudate levels, wound type and pain experienced by patients²⁻⁴
- PICO^o Single Use Negative Pressure Wound Therapy System (sNPWT) consistently delivers negative pressure at -80mmHg,⁵ a level sufficient to manage most wounds with low to moderate exudate³

AIRLOCK™ Technology facilitates delivery of negative pressure

AIRLOCK technology provides compressive forces in the tissue, under and across the dressing, delivering therapy to a wider zone – beyond the incision.⁵⁻⁷

Delivery of negative pressure, facilitated by the AIRLOCK layer in the PICO dressing, was evaluated by Casey C, et al. who used a wound model (low and moderate exudate flow) to demonstrate that PICO sNPWT consistently delivers negative pressure under and across the entire dressing at approximately -80mmHg over a 72-hour test period (Figure 4).⁵

PICO sNPWT also delivered negative pressure at therapeutically relevant levels (-40 to -100mmHg)⁸ for 100% of the 72-hour test period in this wound model that incorporated a small air leak to help reflect clinical practice.⁵



NICE Medical technologies guidance: PICO negative pressure wound dressings for closed surgical incisions (MTG43)

NICE recommends that PICO sNPWT should be considered as an option for closed surgical incisions in patients who are at high risk of SSIs.⁸ NICE concluded that PICO sNPWT is associated with fewer SSIs and seromas compared with standard wound dressings. Cost modelling suggests that compared with standard wound dressings,

PICO sNPWT provides extra clinical benefits at a similar overall cost with standard wound dressings.⁸

For detailed product information, including indications for use, contraindications, precautions and warnings, please consult the product’s applicable Instructions for Use (IFU) prior to use.

References: 2. Birke-Sorensen H, Malmström M, Rome P, et al. Evidence-based recommendations for negative pressure wound therapy: treatment variables (pressure levels, wound filler and contact layer) – steps towards an international consensus. J Plast Reconstr Aesthet Surg. 2011;64 Suppl:51–16. 3. Apelqvist J, Willy C, Fagerdahl AM, et al. Negative pressure wound therapy – overview, challenges and perspectives. J Wound Care. 2017;26(3):51–5113. 4. Malmström M, Borgquist O. NPWT settings and dressing choices made easy. Wounds International. 2010;1(3):1–6. Available at: <http://www.woundsinternational.com> Last accessed April 2022. 5. Casey C, Ambler G, Huddleston E. Consistent delivery of therapeutic negative pressure levels by a single use negative pressure wound therapy system (sNPWT) in a wound model. Poster presented at the European Wound Management Association annual meeting, June 5–7, 2019; Gothenburg, Sweden. 6. Smith & Nephew 2019.PICO Biomechanical Study. Internal Report. DS/19/211/R. 7. Smith+Nephew 2021.PICO™ Pressure Mapping Study. Internal Report/DS/19/211/R - Part B. 8. NICE Medical technologies guidance: PICO sNPWT negative pressure wound therapy for closed surgical incision wounds (MTG43). Available at: <https://www.nice.org.uk/guidance/mtg43>. Accessed September 18, 2024