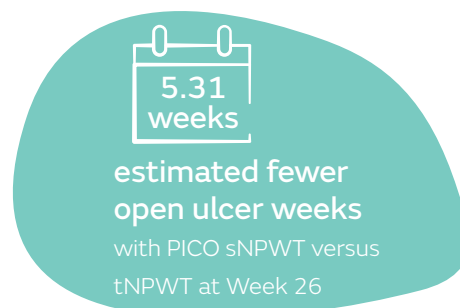
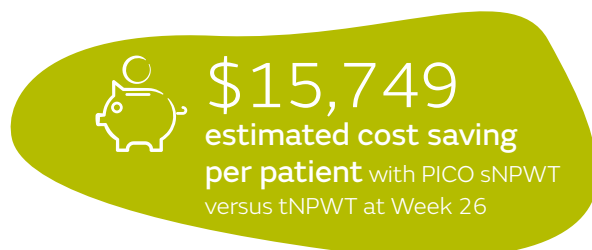


## + Evidence in focus

Publication summary: Kirsner RS, et al. *Wound Manag Prev* (2020)\*

PICO<sup>◇</sup> Single Use Negative Pressure Wound Therapy System (sNPWT) was estimated to be highly cost effective and improve clinical outcomes compared with traditional negative pressure wound therapy (tNPWT) in patients with venous leg ulcers (VLUs) and diabetic foot ulcers (DFUs)

## + Plus points

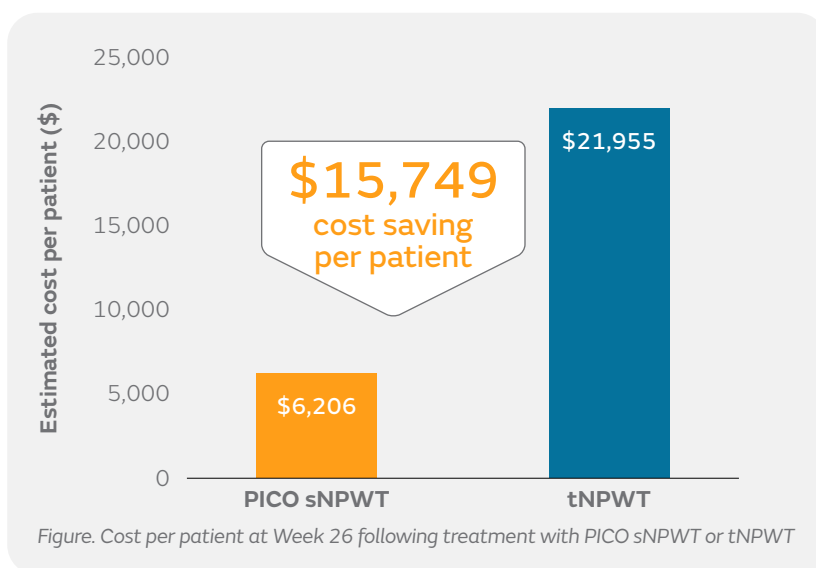


## Overview

- A cost-effectiveness evaluation of PICO sNPWT and tNPWT in treating VLUs and DFUs (US payer perspective)
  - Time horizons of 12 and 26 weeks were used to show the effect on wound closure
- The economic model used data from a multicentre, randomised, controlled trial (n=161), to estimate closure rates for DFUs (n=60) and VLUs (n=101)<sup>1</sup>
- US National 2016 Medicare claims data were used to estimate costs (inflated to 2018 figures)

## Results

- For both ulcer types, switching from tNPWT to PICO sNPWT resulted in an estimated:
  - Expected cost saving per patient of \$7,756 at Week 12 and \$15,749 at Week 26 (Figure)
  - Decrease in total expected open ulcer weeks of 1.67 at Week 12 and 5.31 at Week 26
  - Increase in percentage of expected closed ulcers of 22.6% at Week 12 and 31.0% at Week 26
- For DFUs and VLUs analysed separately, PICO sNPWT was dominant over tNPWT:
  - Expected cost savings at Week 26 were \$18,504 for DFUs and \$14,113 for VLUs
  - Expected reductions in open ulcer weeks at Week 26 were 7.62 for DFUs and 3.94 for VLUs



## Conclusions

PICO sNPWT was estimated to be highly cost saving and reduced expected weeks to ulcer closure compared with tNPWT in patients with VLUs and DFUs, when analysed from a US payer perspective.

## Citation

\*Kirsner RS, Delhougne G, Searle RJ. A cost-effectiveness analysis comparing single-use and traditional negative pressure wound therapy to treat chronic venous and diabetic foot ulcers. *Wound Manag Prev*. 2020;66(3):30–38.  
Available at: [Wound Management & Prevention](#)

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.

**Reference 1.** Kirsner R, Dove C, Reyzelman A, Vayser D, Jaimes H. A prospective, randomized, controlled clinical trial on the efficacy of a single-use negative pressure wound therapy system, compared to traditional negative pressure wound therapy in the treatment of chronic ulcers of the lower extremities. *Wound Repair Regen*. 2019;27(5):519–529.