

+ Evidence in focus

Publication summary: Sharpe A, et al. *Wounds UK* (2018)*

PICO[◇] 7 Single Use Negative Pressure Wound Therapy System (sNPWT) showed, in a small study, a reduction in outpatient clinic visits and nurse home visits in patients with diabetic foot ulcers (DFUs) compared with prior practice[†]

+ Plus points



2.25 fewer clinician visits with PICO 7 sNPWT compared with prior practice



Reduced dressing change frequency after introduction of PICO 7 sNPWT



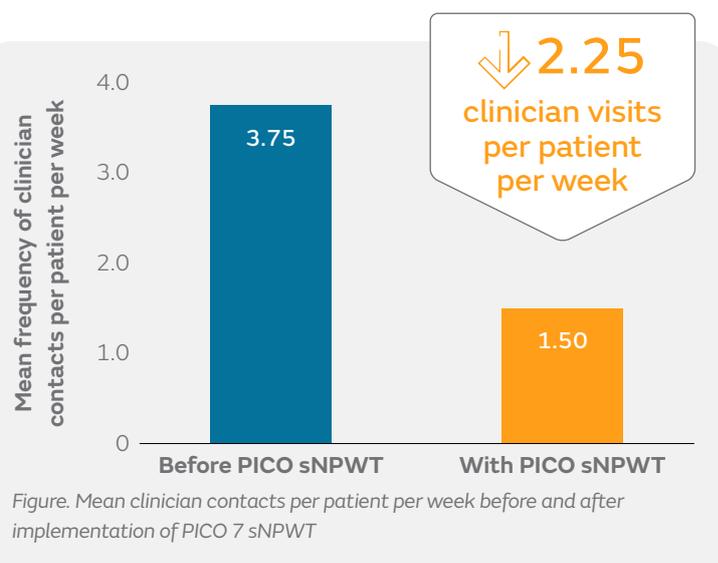
~70min clinician time saving per patient per week compared with prior practice

Overview

- A UK case series of four patients (all males; SINBAD[‡] score ≥ 3) using PICO 7 sNPWT to help manage complicated DFUs
- Patients and carers self-assessed the dressing status using the PICO 7 sNPWT dressing-full indicator
- Telephone contact was used to determine the need for an outpatient clinic visit or district nurse visit
- Assumed duration of nurse and podiatrist contact was 31 minutes per visit

Results

- Changes in the treatment pathway due to adoption of PICO 7 sNPWT led to improved efficiency
- Mean ulcer area reduction was 49% with PICO 7 sNPWT (duration of treatment, 4–12 weeks)
- Exudate levels were managed effectively and frequency of dressing changes was reduced with PICO 7 sNPWT compared with before its use
- Mean frequency of clinician contacts per week reduced by 2.25 visits with use of PICO 7 sNPWT (Figure)
- Total combined weekly clinician time saved using PICO 7 sNPWT was 279 minutes (4hr 39min); approximately 70 minutes per patient per week
- On average, over a 12-week period, use of PICO 7 sNPWT was estimated to release 13.5 clinician hours per patient with an equivalent reduction in patient time for healthcare appointments and visits



Conclusions

Frequency of clinician visits and dressing changes were reduced by using PICO 7 sNPWT to help manage DFUs, improving service delivery with potential efficiency savings compared with prior practice.

Citation

*Sharpe A, Myers D, Searle R. Using single use negative pressure wound therapy for patients with complicated diabetic foot ulcers: an economic perspective. *Wounds UK*. 2018;14(4):89–93.

Available at: [Wounds UK](https://www.wounds-uk.com)

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.

[†]Treatment pre-PICO 7 sNPWT was not specified.

[‡]A SINBAD (Site, Ischaemia, Neuropathy, Bacterial infection, Area and Depth) score of ≥ 3 is considered a severe or complicated DFU.