
Diabetic Foot Ulcer (DFU) Healing or Closure

MEASURE ID: USWR33

MEASURE DESCRIPTION:

Percentage of diabetic foot ulcers among patients aged 18 or older that have achieved healing or closure within 6 months, stratified by the Wound Healing Index.

DENOMINATOR:

All Diabetic Foot Ulcers the outcome of which are known.

NUMERATOR:

Diabetic Foot Ulcers within the denominator that achieved healing or closure within 6 months of its initial encounter. Healing or closure is defined as complete epithelialization without drainage or the need for a dressing over the closed ulceration, although off-loading would still be required.

DENOMINATOR EXCLUSIONS:

Death, Palliative care patients, DFU patients receiving amputation, DFU patients seen for consultations only, DFU patients with fewer than 2 visits in 30 days, DFUs with insufficient data to calculate a WHI.

DENOMINATOR EXCEPTIONS:

None

NUMERATOR EXCLUSIONS:

None

HIGH PRIORITY MEASURE:

Yes

PRIORITY TYPE:

Outcome

MEASURE TYPE:

Outcome

NQS DOMAIN:

Person and Caregiver Centered Experience and Outcomes

SUBMISSION PATHWAY (MIPS REPORTING OPTION):

Traditional MIPS

CARE SETTING:

Ambulatory Care: Clinician Office/Clinic; Ambulatory Care: Hospital; Home Care; Hospital Outpatient; Nursing Home; Outpatient Services; Post-Acute Care; Rehabilitation Facility

PUBLISHED SPECIALTIES:

Podiatry; Wound Care; Other: Undersea and Hyperbaric Medicine

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APPLICABLE SPECIALTIES:

Podiatry, Wound Care, Dermatology, Orthopedics, Emergency Medicine, Family Medicine, Geriatrics, Internal Medicine, Palliative Care, Physical Medicine & Rehabilitation, Physical Therapy/Occupational Therapy, Post-Acute Care, Orthopedic Surgery, Primary Care, Vascular Surgery, Other: Undersea and Hyperbaric Medicine

PUBLISHED CLINICAL CATEGORY:

Wound Care

INCLUDES TELEHEALTH:

No

MEANINGFUL MEASURE AREA:

Functional Outcomes

MEANINGFUL MEASURE AREA RATIONALE:

This measure enables the reporting of honest (risk stratified) Diabetic foot ulcer outcome. DFU healing impacts quality of life, ambulation, hospitalization, and risk of amputation.

MEASURE CALCULATION TYPE/INDICATOR:

Proportional Measure

NUMBER OF PERFORMANCE RATES:

1

INDICATE OVERALL PERFORMANCE RATE:

1st Performance Rate

TRADITIONAL OR INVERSE:

Traditional

RISK ADJUSTED STATUS:

Yes

CLINICIAN TESTED QCDR MEASURE:

Yes

CLINICAL RECOMMENDATION STATEMENT:

DFU healing should be reported in a risk stratified way so that practitioners caring for the most difficult cases will not appear to have worse outcomes than their peers. The WHI is currently the only validated method to risk stratify DFUs, containing both patient and wound elements.

QCDR MEASURE RATIONALE:

Healed DFUs are less likely to be associated with amputations among diabetics. However, data gleaned from prospective studies and real world data suggest that DFU healing rates are less than 50% overall, with healing rates of 20% for the most severe. Nearly all wound care organizations report "healing rates" but their outcome data are vetted post hoc by retrospectively classifying patients who do not heal as "palliative care" so that the apparent success of wound care programs is not impacted by patients who do not do well. (Fife CE, Eckert KA, Carter MJ. Publicly Reported Healing Rates: The Fantasy and the Reality. 7(37): 77-94, 2018.) Reporting healing rates using the WHI ensures that practitioners who care for the worst ulcers do not appear to have worse outcomes than their peers and will reduce the current practice of publicly reported "fantasy healing rates". The reporting of healing rates stratified by the WHI

also makes it possible to see individual variations in quality between practitioners since the outcomes of EPs with similar wound severity can be fairly compared.

STUDY CITATION:

Publicly Reported Wound Healing Rates: The Fantasy and the Reality Caroline E. Fife, Kristen A. Eckert, and Marissa J. Carter, *Advances in Wound Care*, Vol 7(3) 2018.

MEASURE PERFORMANCE DATA:

In 2023, the USWR looked at 12 months of individual practitioner data and found an average success rate of 35.7% for DFU healing (range 0% - 100%; SD 22.4%).

The importance of Risk Stratification in reporting wound healing rates was demonstrated in a peer reviewed article evaluating the way that healing rates are publicly reported which differ dramatically from those from clinical trials and real-world data.

QCDR NOTES:

In our recent discussions with the PIMS team and CMS regarding the DFU healing rate, we were asked why the diabetes measures were limited to patients 18 years and older. We analyzed our data and found that there are no DFUs among patients younger than 18, although we do have many patients in their 20's and 30's. We removed "among patients 18 years and older" because if we had pediatric patients with DFUs, we would report them.

REFERENCES:

1. Horn SD, Fife CE, Smout RJ, Barrett RS, Thomson B. Development of a Wound Healing Index for Patients with Chronic Wounds. *Wound Rep Reg.* 21; 823-832, 2013.
2. Fife CE, Horn Susan D, Smout RJ, Barrett RS, Thomson B. A Predictive Model for Diabetic Foot Ulcer Outcome: The Wound Healing Index. *Adv Wound Care.* 5(7): 279-287, 2016.
3. Fife CE, Eckert KA, Carter MJ. Publicly Reported Healing Rates: The Fantasy and the Reality. *Advances in Wound Care*, 7(3): 77(3), 2018.