

Gosnell Measure

Assessment Overview

Assessment Area

ICF Domain:

Body Function

Subcategory:

Functions of the Skin

You Will Need

Length:

5 items – less than 30 minutes

Scoring:

Items are scored on a 1-3, 1-4, or 1-5 scale.

A summary score is produced by summing item scores; the summary score ranges from between 5 (worst prognosis) to 20 (best prognosis).

Summary

The Gosnell Measure was developed to identify individuals living in extended care and over the age of 65 who were at risk for developing a pressure ulcer. Patients are evaluated on 5 domains:

1. Mental status
2. Continence
3. Mobility (the amount and control of movement of one's body)
4. Activity (ability to ambulate)
5. Nutrition (the process of food intake)

Evaluation also includes a recording of vital signs, skin conditions, and medications, but these are not scored.

Availability

Can be downloaded from "Gosnell Measure" page.

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Not established in SCI

Measurement Properties

Validity – **Low**

Low Correlation with the stage of the first pressure ulcer and the number of ulcers developed.

$r=0.254$

Low Correlation with the stage of the number of ulcers developed.

$r=0.297$

RANKING N/A: the Gosnell measure was 62.2% accurate in predicting pressure ulcer development; it has a sensitivity of 18.4% and a specificity of 90.4%.

(Salzberg et al. 1999, N=226 (188M, 38F), mean age: 33.2±15.2yrs (range 1-83yrs), acute/traumatic SCI)

Number of studies reporting validity data: 1

Reliability – **Not Established in SCI**

Not established in SCI

Number of studies reporting reliability data: 0

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting responsiveness data:

Not established in SCI