

Skin Management Needs Assessment Checklist (SMNAC)

Assessment Overview

Assessment Area

ICF Domain:

Activity

Subcategory:

Self-care

You Will Need

Length:

12 items

Scoring:

The items are summed to generate a total score ranging from 0-36. The value reported is a proportion (client score/36) x 100%. Higher scores reflect greater independence.

Training:

None, but wound-care experience recommended

Summary

The Skin Management Needs Assessment Checklist (SMNAC) is a self-report subscale extracted from the Needs Assessment Checklist (NAC). The SMNAC is developed to be a post discharge measure to assess client knowledge and ability to perform skin checks, pressure relief and prevention of skin breakdown, and provides SCI specific information related to skin management needs. The SMNAC requires people to demonstrate or, for someone with a high lesion, instruct their personal care attendant to perform the activities.

Availability

Available from the author, P. Kennedy.

See article here:

<http://www.ncbi.nlm.nih.gov/pubmed/?term=10065753>

Languages: English

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Standard Error of Measurement:

3.27

Minimal Detectable Change:

9.05

(Berry & Kennedy 2003; n=43, 38 male, mixed injury types, Mean (SD) time since injury = 17.5 (13.2) weeks)

Typical Values

Mean (SD) Scores:

25.67 (10.54)

(Berry & Kennedy 2003; n=43, 38 male, mixed injury types, Mean (SD) time since injury = 17.5 (13.2) weeks)

Measurement Properties

Validity – **Low** to **Moderate**

Low correlation with age:

$r = -0.22$ to -0.27

(Berry et al. 2004; $n=317$, mixed injury types, no information on chronicity)

Low correlation of French version of revised Skin Management Needs Assessment Checklist with Rosenberg scale:

$r = 0.25$

Low correlation of French version of revised Skin Management Needs Assessment Checklist with active coping:

$r = 0.29$

Moderate correlation of French version of revised Skin Management Needs Assessment Checklist with Hospital Anxiety and Depression Scale (HADS):

$r = -0.43$

Moderate correlation of French version of revised Skin Management Needs Assessment Checklist with time since injury:

$r = 0.49$

(Gelis et al. 2018; $N=132$, 75% male, mean age (SD): 45.9 (14.9) years, mean duration (SD): 7.8 (10) years, 103 traumatic, 29 non-traumatic)

Number of studies reporting validity data: 2

Reliability – **High**

High Test-retest Reliability:

ICC = 0.90

(Gelis et al. 2011; $n=138$, 103 male, mixed injury types, mean time since injury = 94 months)

High Internal Consistency:

$\alpha = 0.85$

(Berry et al. 2004; $n=317$, mixed injury types, no information on chronicity)

High Internal Consistency for French version of revised Skin Management Needs Assessment Checklist:

$\alpha = 0.907$

(Gelis et al. 2018; $N=132$, 75% male, mean age (SD): 45.9 (14.9) years, mean duration (SD): 7.8 (10) years, 103 traumatic, 29 non-traumatic)

Number of studies reporting reliability data: 4

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting

responsiveness data: 1