Moorong Self-Efficacy Scale (MSES)

Assessment Overview

Assessment Area

ICF Domain:
Body Function
Subcategory:
General Function
Subscales (Factors):
Daily Activities / Instrumental Self-efficacy
Social Functioning / Interpersonal Self-efficacy

You Will Need

Length:
5 minutes, 16 items
Scoring:
Items rated 1-7, total score (16-112) as sum of item scores
Each factor scored as sum of select items

Summary

The Moorong Self-Efficacy Scale (MSES) is a self-report questionnaire developed to measure self-efficacy in performing functional activities of daily living in people with SCI.
It consists of two factors and sixteen items. Monitoring specific areas of higher or lower self-efficacy may assist a person's rehabilitation.

Availability

Available for free from "Moorong Self-Efficacy Scale (MSES)" page.

Languages: English, Chinese, Swedish, French, and Italian

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Mean (SD) scores:
1 month after re-mobilization following acute treatment = 84.10 (19.72)
3 months after re-mobilization following acute treatment = 91.90 (16.95)
6 months after re-mobilization following acute treatment = 91.55 (18.92)

(Middleton et al., 2003; N=31, 23 male, mixed injury types, inpatient, mean (SD) time since injury = 2.01 (2.50) months)

Post-discharge from inpatient rehabilitation = 84.14 (21.72)

(Middleton et al., 2003; N=108, 30 male, mixed injury types, community living, mean (SD) time since injury = 7.92 (9.83) years)

Measurement Properties

Validity – **Moderate** to **High**

High correlation with Sickness Impact Profile-68 (SIP-68) Psychosocial Subscale:

ρ = -0.80

(Middleton et al., 2003; N=36, 28 male, mixed injury types; mean (SD) time since injury = 11.2(9.7) years)

Moderate to ***High*** correlation with Depression Anxiety Stress Scale - 21 (DASS-21) Subscales:

r = -0.58 to -0.63

(Killic et al., 2013; N=60, 41 male, mixed injury types; mean (SD) time since injury = 5.7(7.3) years)

Moderate correlation with Centre for Epidemiologic Diseases Depression Scale (CESD-10) and correlation with Satisfaction with Life Scale (SWLS):

CEDS: r = -0.54; SWLS: r = 0.51

(Miller, 2009; N=162, 68.5% male, mixed injury types, mean (SD) time since injury = 9.2(8.6) years)

Moderate correlation with Hospital Anxiety and Depression Scale (HADS) Subscales:

ρ= -0.31 to -0.56

(Munce et al. 2015; n=99, traumatic SCI, outpatient, mean (SD) time since injury = 17.5 (12.3) years)

Moderate correlation with age and Factor 1 (Social Function Self-Efficacy):

r=-.32 (P<.01)

(Middleton et al., 2016; N=161, 118M; age: 48.5±15.1; level of injury: 86 paraplegic, 75 tetraplegic; time postinjury: 16.2±12.2)

Number of studies reporting validity data: 5

Reliability – **Low** to **High**

Low to ***High*** internal consistency for the item-total correlation:

6 of 8 items: 0.46-0.80

2 of 8 items (item 2 and item 4): 0.17 and 0.25

(Middleton et al., 2003; N=36, 28 male, mixed injury types; mean (SD) time since injury = 11.2(9.7) years)

Moderate internal consistency for Factor 1 (social function self-efficacy; 5 items):

α=.77

High internal consistency for Factor 2 (general self-efficacy; 4 items):

α=.81

High internal consistency for Factor 3 (personal function self-efficacy; 7 items):

α=.80

(Middleton et al., 2016; N=161, 118M; age: 48.5±15.1; level of injury: 86 paraplegic, 75 tetraplegic; time postinjury: 16.2±12.2)

Number of studies reporting reliability data: 2

Responsiveness

Floor/Ceiling Effect:
Not established in SCI

Effect Size:
Not established in SCI

Detection of Change:
Wilcoxon signed-ranks tests found significant changes in:
    Total score and 6/8 items between 1 and 3 months post-re-mobilization.
    1/8 items between 3 and 6 months post-remobilization.

(Middleton et al., 2003; N=31, 23 male, mixed injury types, inpatient, mean (SD) time since injury = 2.01 (2.50) months)

Number of studies reporting responsiveness data: 1