Reviewer ID: Tyra Chu, Carlos L. Cano Herrera

Last updated: February 20th, 2024

Research Summary – Spinal Cord Lesion Emotional Wellbeing Questionnaire (SCL EWQ) – Mental Health

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
[Elfstrom et al.](#) 2002 Cross-sectional Gothenburg Spinal Injuries Unit in Sweden	N=274 (204 men & 70 women) Median age = 40 years (range 16-85) Neuro-grouping: Tetraplegia: AIS A,B,C was 25.9% males & 6.6% females Paraplegia: AIS A,B,C was 25.9% males & 7.3% females All levels: AIS D was 22.3% males & 11.7% females	Item-internal validity (correlation between item and hypothesized scale corrected for overlap) Psychological outcome scale: Helplessness (r=0.54-0.66), Intrusion (r=0.70-0.76), and Personal growth (r=0.53-0.62) Correlation between items and other scales measuring different constructs than that of the SCL-EWQ Psychological outcome scale: Helplessness (r=0.07-0.51), Intrusion (r=0.19-0.60), and Personal growth (r=0.10-0.26)	**Internal Consistency:** Psychological outcome scale: Helplessness α=0.84 Intrusion α=0.86 Personal growth α=0.75	**Interpretability:** Mean scores and 95% confidence interval of SCL-related coping scale and SCL-related psychological measure table below

Scale	Mean (95% CI)
Psychological outcome	
Helplessness	2.06 (1.97-2.14)
Intrusion	2.07 (1.95-2.19)
Personal growth	2.61 (2.52-2.70)

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		Correlation between scale items: Psychological outcome scale: Helplessness & Intrusion r=0.63 Helplessness & Personal growth r=-0.30 Intrusion & Personal growth r=-0.23		

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Research Summary – Spinal Cord Lesion Emotional Wellbeing Questionnaire (SCL EWQ) – Mental Health - Cross-cultural Validation Studies

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
Migliorini et al. 2008 Validation study for Australian version of SCL CSQ Adults on the Victorian traumatic SCI register and attendees of the nontraumatic outpatient clinic were invited to participate.	N=443, male = 345 The mean age of respondents was 51.78 years (range 18–86 years). The mean time since injury was 19.20 years (range 1–66 years). Paraplegia - Incomplete= 149 (33.6%); Complete = 136 (30.7%) Tetraplegia - Incomplete = 112 (25.3%); Complete = 45 (10.2%)	Univariate relationships between components of the SCL-EWQ and psychological outcome variables (as measured by the Depression, Anxiety and Stress Scale – short version (DASS-21): Helplessness and Depression: Spearman's ρ = 0.66 Helplessness and Anxiety: Spearman's ρ = 0.42 Helplessness and Subjective QOL: Spearman's ρ = -0.61 Intrusion and Depression: Spearman's ρ = 0.45		**Interpretability:** Mean and S.D. scores of the new subscales (Australian sample) | SCL-CSQ Subscales	Mean (SD) score
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Hellessness	2.12 (0.63)
Intrusion	2.10 (0.80)
Personal Growth	2.56 (0.53)	

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		Intrusion and Anxiety: Spearman's ρ = 0.30 Intrusion and Subjective QOL: Spearman's ρ = -0.36 Personal Growth and Depression: Spearman's ρ = -0.17 Personal Growth and Anxiety: Spearman's ρ = -0.08 Personal Growth and Subjective QOL: Spearman's ρ = 0.24		