

Spinal Cord Lesion-related Coping Strategies Questionnaire (SCL-CSQ)

Assessment Overview

Assessment Area

ICF Domain:

Body Function

Subcategory:

General Functions

Subscales (domains):

Acceptance of Injury

Social Reliance

Fighting Spirit

You Will Need

Length:

12 items

Scoring:

Participants are asked to answer each question on a 4-point Likert scale (1 = strongly disagree, 2 = disagree, 3 = agree, 4 = strongly agree).

Domain scores are summed and then averaged. Scores range between 1 and 4 for each domain.

Summary

The Spinal Cord Lesion-related Coping Strategies Questionnaire (SCL-CSQ) is a self-report scale developed to assess coping efforts after a sudden onset SCI. The SCL-CSQ is made up of 3 domains: Acceptance of Injury, Social Reliance, and Fighting Spirit.

The scale was originally developed for the SCI population.

Availability

Worksheet: Can be found [here](#).

Languages: English, Danish, Swedish, Turkish, Persian, and Spanish

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Mean Subscale Scores (SD):

Acceptance of Injury: 3.19 (0.65)

Fighting Spirit: 3.35 (0.47)

(Elfstrom et al. 2007; n=355; 279 males; mean age: 49 years; injury level: cervical, thoracic, lumbar, and sacral; complete and incomplete injuries; paraplegia and tetraplegia; mean age at lesion: 27.8 years)

Measurement Properties

Validity – Low to Moderate

Low to Moderate correlation with Hospital Anxiety and Depressions Scale (HADS):

$r = -0.40$ to -0.58

(Elfstrom et al. 2007; $n=355$; 279 males; mean age: 49 years; injury level: cervical, thoracic, lumbar, and sacral; complete and incomplete injuries; paraplegia and tetraplegia; mean age at lesion: 27.8 years)

$r = -0.30$ to -0.44

(Iranian version; Saffari et al. 2015; $n=220$; 164 males; mean age: 58.18 years; mean time since injury: 50.96 months)

Low to Moderate correlation with Spinal Cord Independence Measure (SCIM-III):

$r = 0.16$ - 0.33

Low to Moderate correlation with Community Integration Questionnaire (CIQ):

$r = 0.27$ - 0.33

(Iranian version; Saffari et al. 2015; $n=220$; 164 males; mean age: 58.18 years; mean time since injury: 50.96 months)

Low to Moderate correlation with Depression, Anxiety and Stress Scale – short version (DASS-21):

Acceptance and Depression: $\rho = -0.45$

Acceptance and Anxiety: $\rho = -0.24$

Acceptance and Subjective QOL: $\rho = 0.55$

(Australian version; Migliorini et al. 2008; $n=443$; 345 males; complete and incomplete injuries; paraplegia and tetraplegia; mean time since injury was 19.20 years (range 1–66 years))

Number of studies reporting validity data: 6

Reliability – Low to High

Moderate to High Test-retest Reliability:

ICC = 0.74 - 0.89

(Iranian version; Saffari et al. 2015; $n=220$; 164 males; mean age: 58.18 years; mean time since injury: 50.96 months)

Low to High Internal Consistency:

$\alpha = 0.69$ - 0.76

(Spanish version subscales; Saurí et al. 2014; $n=511$; 375 males, 136 females; mean age: 50.66 years; mean (SD) time since injury: 15.44 (10.00) years)

$\alpha = 0.68$ - 0.88

(Iranian version; Saffari et al. 2015; $n=220$; 164 males; mean age: 58.18 years; mean time since injury: 50.96 months)

$\alpha = 0.67$ - 0.81

(Turkish version; Paker et al. 2014; $n=100$; 74 males; mean age 40.83 years; time since injury: 28.47 months)

Acceptance subscale: $\alpha = 0.72 - 0.79$

Fighting spirit subscale: $\alpha = 0.68 - 0.76$

Social reliance subscale: $\alpha = 0.58 - 0.73$

(Elfstrom et al. 2022: $n=274$, 204 males, 70 females; tetraplegia and paraplegia)

(Elfstrom et al. 2007: $n=355$, 279 males, 74 females; injury level: cervical, thoracic, lumbar, sacral; complete and incomplete SCI)

(Danish version; Aaby et al. 2022; $n=107$; 54 males; mean (SD) age: 57.40 (11.72) years; Danish version of SCL-CSQ)

Number of studies reporting reliability data: 6

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting

responsiveness data: 0