The Craig Handicap Assessment & Reporting Technique – Short Form (CHART-SF)

Assessment Overview

Assessment Area

ICF Domain:
Participation
Subscales (dimensions):
Physical Independence
Cognitive Independence
Mobility
Occupation
Social Integration
Economic Self-sufficiency

You Will Need

Length:
19 items, 15 minutes
Training:
None, but reading the manual is recommended
Scoring:
Each dimension scored 0-100;
100 = role fulfillment equivalent to individuals without disabilities

Summary

The Craig Handicap Assessment & Reporting Technique – Short Form (CHART-SF) is a short form of the 32-items original CHART. It is a patient-reported outcome measure designed to measure the level of handicap in a community setting. CHART collects information on the degree to which the respondent fulfills the roles typically expected from people without disabilities.

Availability

Worksheet: Can be found here.

Languages: English and Persian.

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Mean (SD) Scores:
CHART-SF Total = 332.6 (145.8)

(Gontkovsky et al. 2009; n=28; 21 males; 90% traumatic SCI; 68% incomplete, 32% complete; ASIA A-D; level of injury: cervical, thoracic, lumbar; chronic SCI)

Measurement Properties

Validity – **Low** to **High**

High correlation with Community Integration Questionnaire (CIQ):

r = 0.79

(Gontkovsky et al. 2009; n=28; 21 males; 90% traumatic SCI; 68% incomplete, 32% complete; ASIA A-D; level of injury: cervical, thoracic, lumbar; chronic SCI)

Low to Moderate correlation with the Physical Activity Scale for Individuals with Physical Disabilities (PASIPD) (Turkish version):

Physical Independence: r = 0.204 (p > 0.05)

Cognitive Independence: r = 0.357 (p < 0.05)

Mobility: r = 0.597 (p < 0.01)

Occupation: r = 0.393 (p < 0.01)

Social Integration: r = 0.545 (p < 0.01)

Economic Independence: r = 0.107 (p > 0.05)

(Köce et al. 2022; n=47; 26 males, 21 females; mean (SD) age: 43.98 (13.50) years; 34 traumatic, 13 non-traumatic; ASIA A-D; level of injury: C5-C6 to L1-L5; 37 paraplegia, 10 tetraplegia)

Number of studies reporting validity data: 3

Reliability – **Low**

Low Internal Consistency:

Physical Independence: $\alpha = 0.385$

Mobility: $\alpha = 0.236$

Occupation: $\alpha = 0.293$

Cognitive Independence: $\alpha = 0.562$

Social Integration: $\alpha = 0.351$

(Golhasani-Keshtan et al. 2013; Persian version of CHART-SF; n=52; 52 males; mean age 49.3 years; 46 paraplegia, 6 tetraplegia)

Number of studies reporting reliability data: 1

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting responsiveness data: 0