Reviewer ID: Elsa Sun, Carlos L. Cano

Last updated: May 6th, 2024

Research Summary – Beck Depression Inventory (BDI) – Mental Health

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
Koca et al. (2014) Physical Medicine and Rehabilitation Outpatients Clinic of Gaziantep University, Gaziantep, Turkey	N=44 (15F, 29M) Age: 34.25 ± 4.42 Time since SCI (months): 31.2 ± 4.7 AIS A: 14 AIS B: 9 AIS C: 10 AIS D: 11	BDI with FIM score (Pearson r= -0.486, p < 0.001)		
Ataoglu et al. (2013) Cross sectional Inpatient rehab center	N= 140 (36F, 104M) Age: 36.2 ±13.5 Time since SCI (months): 25.2 ± 43.9 AIS A: 79 AIS B-E: 61	BDI with SF-36 Domains (Spearman rhos) General health: (r=-0.229, p=0.016) Vitality (r=-0.329, p=0.000) Social functioning (r=-0.283, p=0.003) Mental health (r=-0.247, p=0.010)		

Research Summary – Beck Depression Inventory (BDI) – Mental Health - Cross-cultural Validation Studies

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
Shabany et al. (2018) Cross-sectional psychometric study of Persian version of the spinal cord injury lifestyle scale and the health behavior questionnaire Brain and Spinal Cord Injury Research Center in Tehran, Iran	N=97 (77M, 20F) Age: 25≥ (N=13), 26-35 (N=47), 36-45 (N=16), 46-55 (N=11), 55≤ (N=10) SCI duration: 1-5 (N=77), 6-10 (N=10), 11-15 (N=2), 16-20 (N=7), 20≤ (N=1) 79.4% Paraplegia, 20.6% Tetraplegia; 61.9% Complete injury, 38.1% Incomplete injury Inclusion criteria: • persons with traumatic SCI (paraplegia and tetraplegia) • ≥1 year post-injury	**Convergent:** BDI with Spinal Cord Injury Lifestyle Scale (SCILS): Pearson r = -0.45 BDI with Health Behaviour Questionnaire (HBQ): Pearson r = -0.33		

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
	• able to read/comprehend Persian • ≥18 years Exclusion criteria: cognitive disorders			
Chan et al. (2000) Cross-sectional retrospective study Validation of Chinese version Hong Kong (3 major regional rehabilitation centres and 1 community resource centre)	N=66 individuals with SCI and 40 spouses Participants were predominantly male (80%) Individuals with SCI: mean (SD) age: 45.2 (10.66) mean (SD) duration of injury: 13.3 (10.01) Spouses: mean (SD) age: 41.2 (10.69) Individuals with SCI: 22 complete paraplegia (33.3%)			**Interpretability:** Mean (SD) scores of BDI for persons with SCI: Persons with SCI: 15.79 (9.61) Pre-injury marriage patient subgroup: 18.67 (9.09) Post-injury marriage patient subgroup: 10.71 (7.90) Divorced patient subgroup: 15.60 (11.22) Mean (SD) scores of BDI for spouses of persons with SCI: 11.58 (8.26)

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
	16 incomplete paraplegia (24.2%) 15 complete quadriplegia (22.7%) 13 incomplete quadriplegia (19.7%) 55% participants married *before* injury 25% participants married *after* injury 20% participants divorced Spouses: 35% of spouses suffered from some degree of physical impairment 63% unemployed (care-giving full-time)			Pre-injury marriage spouse subgroup: 11.76 (7.91) Post-injury marriage spouse subgroup: 11.27 (9.08)