

Research Summary – University of Washington Self-Efficacy Scale short-form (UW-SES-6) – Quality of Life

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Post et al. (2018)</p> <p>Cross-sectional psychometric study</p> <p>Community, the Netherlands</p>	<p>N=261 Mean age (SD): 48.5 (8.8) Time since injury (SD): 24.1 (9.1) years Gender: 73.6% male</p> <p>Etiology: Sports/Leisure: 25.7% Violence: 1.5% Occupational: 10.7% Road traffic accident: 45.2% Fall: 9.2% Non-traumatic SCI: 9.6%</p> <p>Lesion level: 39.8% tetraplegia</p>	<p>Results of Rasch-based fit statistics:</p> <p>Original UW-SES-6: Chi squared value: 38.998 Degrees of freedom: 30 P-Value: 0.126</p> <p>UW-SES-6 with items 2, 3 and 4 collapsed: Chi squared value: 32.185 Degrees of freedom: 30 P-Value: 0.359</p>	<p>Test-retest, Inter-rater, Intra-rater Person separation index: 0.87</p>	
<p>Chung et al. (2016)</p> <p>Longitudinal study</p>	<p>N=1507 Muscular dystrophy (MD) group: n=172 (78M, 94F) Multiple sclerosis (MS) group: n=868 (151M, 716F)</p>	<p>Results from confirmatory factor analysis:</p> <p>Chi squared: 393.127 (P<0.001)</p>		

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Recruited from multiple facilities in Washington State.</p>	<p>PPS (post-polio syndrome) group: n=225 (56M, 169F) SCI group: n=242 (164M, 78F)</p> <p>Age MD group (±SD): 53.38 (±12.68) Age range MD group: 20-85</p> <p>Age MS group (±SD): 53.60 (±10.74) Age range MS group: 21-84</p> <p>Age PPS group (±SD): 66.99 (±8.28) Age range PPS group: 41-91</p> <p>Age SCI group (±SD): 50.03 (±13.33) Age range SCI group: 21-88</p> <p>Ethnicity MD group: White: n=164 (95.3%) Nonwhite: n=6 (3.5%)</p>	<p>Degrees of freedom: 69 Root mean square error approximation: 0.112 Comparative fit index: 0.981 Tucker-Lewis index: 0.983</p>		

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
	<p>Unknown: n=2 (1.2%)</p> <p>Ethnicity MS group: White: n=810 (93.3%) Nonwhite: n=53 (6.1%) Unknown: n=5 (0.6%)</p> <p>Ethnicity PPS group: White: n=210 (93.3%) Nonwhite: n=15 (6.7%)</p> <p>Ethnicity SCI group: White: n=207 (85.5%) Nonwhite: n=34 (14.0%) Unknown: n=1 (0.4%)</p>			
<p>Amtmann et al. (2012)</p> <p>Longitudinal study</p> <p>Recruited from National MS Society, Northwest Regional Spinal Cord Injury</p>	<p>N=726 MS (multiple sclerosis) group: n=473 (391F, 82M) SCI group: n=253 (94F, 159M)</p> <p>Age MS group (±SD): 52.3 (±10.9) Age range MS group: 21-82</p>	<p>Correlation between Chronic Disease Self-Efficacy 6-item scale and 17-item UW-SES: r=0.83</p> <p>Correlation between Chronic Disease Self-Efficacy 6-item scale and 6-item UW-SES: r=0.81</p>	<p>Test-retest, Inter-rater, Intra-rater:</p> <p>Cronbach alpha value for original 17-item version: 0.96</p> <p>Cronbach alpha value for shortened 6-item version: 0.90</p>	

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Model System and the Shepherd Center at the Virginia Crawford Research Institute; Atlanta, GA.</p>	<p>Age SCI group (±SD): 47.1 (±14.3) Age range SCI group: 19-85</p> <p>Ethnicity MS group: Caucasian: n=458 (96.8%) Native American or Alaska native: n=16 (3.4%) Asian: n=4 (0.9%) African American: n=9 (1.9%)</p> <p>Ethnicity SCI group: Caucasian: n=211 (83.7%) Native American or Alaska native: n= (3.6%) Asian: n=6 (2.4%) African American: n=29 (11.5%)</p> <p>SF-8 Mental score MS group: 46.6 ± 10.2</p>			

Reviewer ID: Carlos L. Cano Elsa Sun

Last updated: May 7th, 2024

Author Year Country Research Design Setting	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
	SF-8 Physical score MS group: 40.3 ± 10.2 SF-8 Mental score SCI group: 48.6 ± 10.4 SF-8 physical score SCI group: 38.9 ± 9.6			