

Appendix D.1: [Outcome Measure Full Article Quality Screen – HTA Criteria Summary](#) ¹

Reviewer ID: Gurmaan Gill			
Type of Outcome Measure: UW-SES-6			Total articles: 3
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Amtmann et al. 2012	Longitudinal study	Recruited from National MS Society, Northwest Regional Spinal Cord Injury Model System and the Shepherd Center at the Virginia Crawford Research Institute; Atlanta, GA.	<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>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 SF-8 Physical score MS group: 40.3 ± 10.2</p> <p>SF-8 Mental score SCI group: 48.6 ± 10.4 SF-8 physical score SCI group: 38.9 ± 9.6</p>
Chung et al. 2016	Longitudinal study	Recruited from multiple facilities in Washington State.	<p>N=1507 Muscular dystrophy (MD) group: n=172 (78M, 94F) Multiple sclerosis (MS) group: n=868 (151M, 716F) 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%) 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>
Post et al. 2018	Cross-sectional psychometric study	Community, the Netherlands	<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>

1. RELIABILITY

Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater
Amtmann et al. 2012		Cronbach alpha value for original 17-item version: 0.96 Cronbach alpha value for shortened 6-item version: 0.90
Post et al 2018		Person separation index: 0.87

2. VALIDITY

Author ID	Validity
Amtmann et al. 2012	Correlation between Chronic Disease Self-Efficacy 6-item scale and 17-item UW-SES: r=0.83 Correlation between Chronic Disease Self-Efficacy 6-item scale and 6-item UW-SES: r=0.81
Chung et al. 2016	Results from confirmatory factor analysis: Chi squared: 393.127 (P<0.001) Degrees of freedom: 69 Root mean square error approximation: 0.112 Comparative fit index: 0.981 Tucker-Lewis index: 0.983
Post et al. 2018	Results of Rasch-based fit statistics: Original UW-SES-6: Chi squared value: 38.998 Degrees of freedom: 30

	P-Value: 0.126 UW-SES-6 with items 2, 3 and 4 collapsed: Chi squared value: 32.185 Degrees of freedom: 30 P-Value: 0.359
3. RESPONSIVENESS	
Author ID	Responsiveness
4. FLOOR/CEILING EFFECT – no data available	
5. INTERPRETABILITY	
Author ID	Interpretability