Appendix D.1: <u>Outcome Measure Full Article</u> Quality Screen – HTA Criteria Summary [1]

Reviewer ID: Gurmaan Gill			
Type of Outcome Measure: HUI-Mark-III			**Total articles:** 3

Author ID Year	**Study Design**	**Setting**	**Population (sample size, age) and Group**
Craven et al. 2012	Cross-sectional telephone survey	Toronto Rehab's Lyndhurst Centre	N = 357 Mean age (range) = 54.0 (24-89) Etiology: traumatic = 279 (218M, 61F), non-traumatic = 78
Mittmann et al. 2014	Cross-sectional telephone survey	Toronto Rehab's Lyndhurst Centre	N = 357 (257M, 100F) Mean age (range) = 53.7 (24-89) Etiology: traumatic = 279, non-traumatic = 78 *It appears as though this study used the same population as Craven et al., 2012
Mittmann et al. 1999	Descriptive Analysis	Conducted by National Population Health Survey (NPHS)	N=17626 (8058M, 9568F) Ages: 12 to 19: N=1847 20 to 29: N=2982 30 to 39: N=3704 40 to 49: N=2891 50 to 59: N=2116 60 to 69: N=1904 70 to 79: N=1547 80+: N=635

1. RELIABILITY

Author ID	**Internal Consistency**	**Test-retest, Inter-rater, Intra-rater**

2. VALIDITY

Author ID	**Validity**
Craven et al. 2012	Health/health preference and HUI-Mark III: r = 0.37 Self-rated health and HUI-Mark III: r = -0.41 Number of secondary health conditions/SCS-M severity and HUI-Mark III: r = -0.47
Mittman et al. 2014	Hierarchal regression model of HUI-Mark III with: Personal factors: R^2 = 0.008 Body functions and structure: R^2 = 0.142 Activity and participation: R^2 = 0.565 Environmental factors: R^2 = 0.565

3. RESPONSIVENESS

Author ID	**Responsiveness**

4. FLOOR/CEILING EFFECT – no data available	
5. INTERPRETABILITY	
Author ID	**Interpretability**
Craven et al. 2012	Mean HUI-Mark III score for SCI patients (±SD): 0.27 (±0.27) Mean HUI-Mark III scores for populations with different health conditions: (data compiled from 9 different studies) General Population: 0.93 Stroke: 0.58–0.68 Arthritis/Rheumatism: 0.77–0.78 Multiple Sclerosis: 0.57 Parkinson's Disease: 0.42 Alzheimer's Disease: 0.45–0.58