

Reviewer ID: Jeff Tan, Ben Mortenson, John Zhu, Gita Manhas			
Type of Outcome Measure: Self-Reported Functional Measure (SRFM)			Total articles: 3
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Hoenig et al. 2001	Prospective cohort study	Veterans Health Administration hospitals and outpatient clinics	Total N=8150 (3.7% female) Mean age: 52.9 years Mean duration of diagnosis: 20 years N=6361 veterans with SCI (2.4% female) Mean age: 52.5 years Mean duration of diagnosis: 20 years N=1789 veterans with Multiple Sclerosis (MS) (8.5% female) Mean age: 54.5 years Mean duration of diagnosis: 20 years
Hoenig et al. 1999	Cross-sectional survey	Spinal Cord Dysfunction National Veterans Survey	N=6361 from the SCD National Veterans Survey Traumatic SCI
Hoenig et al. 1998	Test-retest using a convenience sample (Cross-sectional survey)	VA Health Administration Medical Centers, USA	N=725 (dual respondents) Cause of Spinal cord dysfunction: (p=0.001) 48.14% Trauma only; 26.90% Disease only 23.86% Disease and Trauma Inclusion criteria: <ul style="list-style-type: none"> • Individual was a veteran • Discharged from a VA medical center ≤5 years • Discharge diagnosis might affect the spinal cord OR • Included on lists from the Paralyzed Veterans of America
1. RELIABILITY			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Hoenig et al. 1998	No data available	Kappa coefficients: ≥0.65 for all but one item <ul style="list-style-type: none"> • Mobility at Home = 0.052 (p=0.003) ICC (95% CI): Answered every SRFM item = 0.90 (0.88) Traumatic injury = 0.92 (0.91) Disease = 0.87 (0.84) Trauma & disease = 0.92 (0.89) Memory deficits = 0.86 (0.80) Memory intact = 0.91 (0.89) History of head injury = 0.85 (0.80) No head injury = 0.91 (0.89)	
2. VALIDITY			
Author ID	Validity		

<p>Hoening et al. 2001</p>	<p>Odds Ratios for Health Care Utilization of Lowest SRFM Quartile Patients (SRFM 13-22) vs. Highest SRFM Quartile Patients (SRFM 43-52): (95% CI)</p> <p>Hospitalized: 1.91 (1.71-2.13) Died in hospital (of those hospitalized): 2.41 (1.62-3.58) Hospital length of stay >7 days (of those hospitalized): 2.18 (1.85-2.57) Discharged to institution (of those hospitalized): 2.86 (2.00-4.08)</p>																																		
<p>Hoening et al. 1999</p>	<p>“The Cochran-Mantel-Haenszel X² test for trend was used to examine the proportion of people in the categories of affected limbs, motor impairment, and limb-motor impairment according to SRFM tertiles.” (p.541) “There were statistically significant correlations (no values reported) between SRFM score and the number of affected limbs (P<.001), the amount of movement (P<.001), and the amount of motor dysfunction (P<.001).” (p.542) “The relationship between motor impairment and SRFM score remained statistically significant after stratifying on self-reported visual (P<.001), sensory (P<.001), or memory impairment (P<.001).” (P.542)</p> <p>The Cochran-Mantel-Haenszel X² test for trend was used to examine the proportion of people in the categories of need for personal assistance according to SRFM tertiles. The self-reported hours of personal assistance required per day was used as the measure of concurrent validity. A statistically significant (P<.001) monotonic correlation was found between SRFM scores and hours of personal assistance.</p>																																		
<p>3. RESPONSIVENESS</p>																																			
<p>Author ID</p>	<p>Responsiveness</p>																																		
<p>Hoening et al. 1999</p>	<p>Due to potential bias from self-reported data, the SRFM may have floor and ceiling effects that still require further investigation.</p>																																		
<p>4. FLOOR/CEILING EFFECT – No data available</p>																																			
<p>5. INTERPRETABILITY</p>																																			
<p>Author ID</p>	<p>Interpretability</p>																																		
<p>Hoening et al. 1999</p>	<p>Relation between hours of personal assistance and SRFM score:</p> <table border="1" data-bbox="215 1165 1531 1419"> <thead> <tr> <th data-bbox="215 1165 483 1260">Hours of personal assistance per day:</th> <th data-bbox="483 1165 743 1260">Total [% (n)]</th> <th data-bbox="743 1165 1003 1260">Lowest SRFM Tertile [% of tertile (n)]</th> <th data-bbox="1003 1165 1263 1260">Middle SRFM Tertile [% of tertile (n)]</th> <th data-bbox="1263 1165 1531 1260">Highest SRFM Tertile [% of tertile (n)]</th> </tr> </thead> <tbody> <tr> <td data-bbox="215 1260 483 1291">No help</td> <td data-bbox="483 1260 743 1291">40.6 (2580)</td> <td data-bbox="743 1260 1003 1291">7.5</td> <td data-bbox="1003 1260 1263 1291">26.3</td> <td data-bbox="1263 1260 1531 1291">66.2</td> </tr> <tr> <td data-bbox="215 1291 483 1323">≤ 2 hrs/day</td> <td data-bbox="483 1291 743 1323">15.9 (1010)</td> <td data-bbox="743 1291 1003 1323">14.0</td> <td data-bbox="1003 1291 1263 1323">55.9</td> <td data-bbox="1263 1291 1531 1323">30.1</td> </tr> <tr> <td data-bbox="215 1323 483 1354">2 – 4 hrs/day</td> <td data-bbox="483 1323 743 1354">19.4 (1234)</td> <td data-bbox="743 1323 1003 1354">47.8</td> <td data-bbox="1003 1323 1263 1354">42.4</td> <td data-bbox="1263 1323 1531 1354">9.8</td> </tr> <tr> <td data-bbox="215 1354 483 1386">> 4 hrs/ day</td> <td data-bbox="483 1354 743 1386">21.1 (1340)</td> <td data-bbox="743 1354 1003 1386">83.6</td> <td data-bbox="1003 1354 1263 1386">14.1</td> <td data-bbox="1263 1354 1531 1386">2.3</td> </tr> <tr> <td data-bbox="215 1386 483 1419">Total [% overall (n)]</td> <td data-bbox="483 1386 743 1419">100 (6361)</td> <td data-bbox="743 1386 1003 1419">32.1 (2045)</td> <td data-bbox="1003 1386 1263 1419">30.7 (1956)</td> <td data-bbox="1263 1386 1531 1419">34.0 (2163)</td> </tr> </tbody> </table>					Hours of personal assistance per day:	Total [% (n)]	Lowest SRFM Tertile [% of tertile (n)]	Middle SRFM Tertile [% of tertile (n)]	Highest SRFM Tertile [% of tertile (n)]	No help	40.6 (2580)	7.5	26.3	66.2	≤ 2 hrs/day	15.9 (1010)	14.0	55.9	30.1	2 – 4 hrs/day	19.4 (1234)	47.8	42.4	9.8	> 4 hrs/ day	21.1 (1340)	83.6	14.1	2.3	Total [% overall (n)]	100 (6361)	32.1 (2045)	30.7 (1956)	34.0 (2163)
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