

**Research Summary – Functional Independence Measure-Self Report (FIM-SR) – Self Care and Daily Living**

<b>Author Year Research Design Setting (country)</b>	<b>Demographics and Injury Characteristics of Sample</b>	<b>Validity</b>	<b>Reliability</b>	<b>Responsiveness Interpretability</b>
<p><a href="#">Masedo et al.</a> 2005</p> <p>Double-blind randomized trial</p> <p>Reliability and validity (comparison to the Craig Handicap Assessment Reporting Technique (CHART)) studied</p> <p>Harborview Medical Center and University of Washington's Northwest Regional SCI system</p>	<p>SCI trial: n=84 subjects; 44 given amitriptyline, or an active placebo, 40. Avg. age; 42 years, 80% Men. Mean (SD) time since SCI: 8.3 (8.9)</p> <p>Neurological level of injury= 54% cervical, 38% thoracic, 7% lumbar/sacral.</p>	<p>Correlations of the FIM-SR with an instrument measuring the same construct: CHART total score: r=0.26 (P&lt;.01) CHART mobility subscale: r=0.30 (P&lt;.01) CHART physical subscale: r=0.49 (P&lt;.01)</p> <p>FIM-SR correlates with CHART: almost all subscales moderate and sig. (P&lt;.005, P&lt;.001); support provided for the motor scales of FIM-SR, with the exception of locomotion.</p> <p>Correlations of the FIM-SR with measurements with different constructs:</p>	<p><b>Internal consistency:</b> Pre-treatment: Total: <math>\alpha=0.95</math> Items: <math>\alpha=-0.14</math> to 0.98 Post-treatment: Total: <math>\alpha=0.94</math> Items: <math>\alpha=0.20</math> to 0.98</p> <p><b>Test-retest, Inter-rater, Intra-rater:</b> Test-retest reliability: Total: r=0.89 (P&lt;.005) Items: r=0.54 to 0.91 (P&lt;.005)</p>	<p><b>Floor/ceiling effect:</b> SCI sample: Only 1) cognitive and 2) communication and social cognition subscales showed ceiling effects; 88% and 76%, reporting max. scores in those areas.</p> <p><b>Interpretability:</b> See tables 1 and 2.</p>

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		Differences in level of injury (paraplegia and tetraplegia): $t = -6.40$ ( $P < .001$ ) Subscales that differ significantly according to injury level (self-care, sphincter, mobility, motor): $t = -6.88$ to $-0.10$ ( $P < .001$ )																																										
Table 1. Mean (SD) FIM values at pre-treatment and post-treatment:																																												
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Reviewer ID: Mohit Singh, Risa Fox, Carlos L. Cano Herrera

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	Mobility	2.51	6.96	
	Locomotion	1.59	4.41	
	Communication	0.49	1.35	
	Social cognition	0.74	2.04	
	Motor	7.67	21.2	
	Cognitive	0.93	2.56	
	Total	8.05	22.30	