

Research Summary – Canadian Occupational Performance Measure (COPM) – Self Care and Daily Living

| Author Year Research Design Setting (country) | Demographics and Injury Characteristics of Sample | Validity | Reliability | Responsiveness Interpretability |
|---|--|--|--------------------|---|
| <p>Boswell-Ruys et al. 2010</p> <p>Randomized, assessor-blinded trial</p> <p>NSW, Australia</p> | <p>Individuals with SCI living in the community</p> <p>N=30, 25M 5F</p> <p>Mean age 45 yrs</p> | | | <p>Minimally Worthwhile Treatment Effect:</p> <ul style="list-style-type: none"> - COPM Performance Component: 2.0 - COPM Importance Component: 2.0 - COPM Satisfaction Component: 2.0 |
| <p>Donnelly et al. 2004</p> <p>Retrospective analysis</p> <p>Tertiary Rehabilitation Centre, SCI unit, GF Strong Rehabilitation Centre, Vancouver, Canada</p> | <p>N=41</p> <p>Demographic data available only for 38 of 41</p> <p>29M, 9F</p> <p>18 paraplegia, 20 tetraplegia</p> <p>27 complete SCI, 11 incomplete</p> <p>25 traumatic SCI, 13 nontraumatic</p> <p>Mean age 49(18.1), range 17-83</p> | <p>Portney and Watkins correlational descriptors btwn COPM & FIM Motor: (r-values)</p> <p>Admission:</p> <ul style="list-style-type: none"> - COPM Performance & FIM Motor: 0.452(P<0.001) - COPM Satisfaction & FIM Motor: 0.514(P<0.001) | | |

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| | Mean time since SCI: 52(73.1) days, range 11- 364 | Discharge: <ul style="list-style-type: none"> - COPM Performance & FIM Motor: 0.388(P<0.05) - COPM Satisfaction & FIM Motor: 0.513(P<0.05) Change: <ul style="list-style-type: none"> - COPM Performance & FIM Motor: 0.351(P<0.05) - COPM Satisfaction & FIM Motor: 0.475(P<0.05) | | |
| Samuelsson et al. 2004 Cross-sectional Two spinal cord injury (SCI) | N=56 (44M, 12F) Mean age 48.9 Mean time since SCI: 13.9 years | Spearman's correlation btwn: <ul style="list-style-type: none"> - COPM Performance & Klein-Bell ADL Scale: 0.07 (Not significant; p>0.05) | | |

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| centres in Sweden | | | | |

Research Summary – Canadian Occupational Performance Measure (COPM) – Self Care and Daily Living - Cross-cultural Validation Studies

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|--|---|---|---|------------------------------------|
| <p>Berardi et al. 2019</p> <p>Cross-sectional</p> <p>Rehabilitation service of the Paraplegic Center of Ostia, Italy</p> | <p>N=39 (71% male) Mean age: 53±15 years Time since injury: 15±14 years Neurological level of injury: C4-L3</p> | <p>The COPM's construct validity with the SCIM III did not demonstrate a statistically significant correlation ($p < 0.05$), neither with the Pearson's correlation coefficient nor with the Spearman's Rho coefficient.</p> <p>Spearman's rho correlations:</p> <ul style="list-style-type: none"> - COPM performance & SCIM: 0.30 - COPM satisfaction & SCIM: 0.17 <p>Pearson's correlation coefficient correlations:</p> | <p>Internal consistency: The COPM had a high degree of internal consistency with a Cronbach's alpha value of 0.93 for performance score and 0.89 for satisfaction score (T0).</p> <p>Test-retest, inter-rater, intra-rater: The COPM a high ICC value, which indicates great test-retest reliability, after repeated measurements with a value of 0.99 for the performance and 0.98 for the satisfaction.</p> | |

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| | | <ul style="list-style-type: none">- COPM performance & SCIM: 0.30- COPM satisfaction & SCIM: 0.22 | | |