

Research Summary – Quality of Well-being (QWB) scale – Quality of Life

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Andresen et al. 1999</p> <p>Cross-sectional survey with instruments administered in random order during computer-assisted interviews.</p> <p>Midwestern US veteran SCI program</p>	<p>Subjects were selected randomly from 454 patients at a regional veterans' SCI program. 183 veterans with SCI; ranging in age from 21-81 years were used. (mean=50.5)</p> <p>Level of Injury: Cervical – 86 Thoracic – 78 Lumbar - 8</p> <p>Mean (SD) time since the SCI = 17.92 (11.36) years; ranged from a few months to 55 years; median = 17.0 years</p>	<p>Pearson correlations:</p> <p>QWB and Short Form-36 (SF-36): 6 of 8 subscales $r=0.251-0.290$ ($P<.01$), vitality $r=0.164$ ($P<.05$), role emotion and mental health not significantly correlated.</p> <p>QWB and SF-36 mental summary $r=0.116$ ($P<.05$)</p> <p>QWB and SF-36 physical summary $r=0.417$ ($P<.01$)</p> <p>SF-12 mental summary and QWB $r=0.164$ ($P<.05$)</p> <p>SF-12 physical summary and QWB $r=0.340$ ($P<.01$)</p>		<p>Floor/ceiling effect: The QWB showed no signs of floor or ceiling effects.</p> <p>Interpretability: 182 SCI participants: Mean (SD) QWB-SA Score: 0.55 (0.09) SF-36 scores of the SCI group are compared with age-matched NSFHS normative data shows that all 8 scales are lower for the SCI group. Comparison of QWB mean scores against impairment groups: Injury level:</p> <ul style="list-style-type: none"> • cervical (n=86): 0.53 • thoracic (n=78): 0.56

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		<p>Behavioural Risk Factor Surveillance System (BRFSS) items and QWB 4 of 8 item correlate significantly: Poor physical health days ($r=-0.199$) and pain limited activity days ($r=-0.250$, $P<.01$); Good days ($r=-.182$, $P<.05$) and days worried tense anxious ($r=-0.181$, $P<.05$)</p> <p>Lawton Instrumental Activities of Daily Living (ADL) and QWB $r=-0.454$ ($P<.01$)</p>		<ul style="list-style-type: none"> • lumbar (n=8): 0.55 <p>Paraplegic/Quadriplegic:</p> <ul style="list-style-type: none"> • paraplegic (n=97): 0.56 • quadriplegic (n=82): 0.53 <p>Upper body difficulty:</p> <ul style="list-style-type: none"> • no (n=74): 0.58 • yes (n=107): 0.53 <p>Severe work disability:</p> <ul style="list-style-type: none"> • no (n=8): 0.55 • yes (n=75): 0.55