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

| **Author YearResearch Design****Setting (country)** | **Demographics and Injury Characteristics of Sample** | **Validity** | **Reliability** | **Responsiveness Interpretability** |
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| [Andresen et al.](https://pubmed.ncbi.nlm.nih.gov/10453762/) 1999Cross-sectional survey with instruments administered in random order during computer-assisted interviews.Midwestern US veteran SCI program | 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)Level of Injury: Cervical – 86Thoracic – 78Lumbar - 8Mean (SD) time since the SCI = 17.92 (11.36) years; ranged from a few months to 55 years; median = 17.0 years | Pearson correlations: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.QWB and SF-36 mental summary r=0.116 (P<.05)QWB and SF-36 physical summary r=0.417 (P<.01)SF-12 mental summary and QWB r=0.164 (P<.05)SF-12 physical summary and QWB r=0.340 (P<.01)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)Lawton Instrumental Activities of Daily Living (ADL) and QWB r=-0.454 (P<.01) |  | **Floor/ceiling effect:**The QWB showed no signs of floor or ceiling effects.**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:* cervical (n=86): 0.53
* thoracic (n=78): 0.56
* lumbar (n=8): 0.55

Paraplegic/Quadriplegic:* paraplegic (n=97): 0.56
* quadriplegic (n=82): 0.53

Upper body difficulty:* no (n=74): 0.58
* yes (n=107): 0.53

Severe work disability:* no (n=8): 0.55

yes (n=75): 0.55 |