# 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** |
| --- | --- | --- | --- | --- |
| [Andresen et al.](https://pubmed.ncbi.nlm.nih.gov/10453762/) 1999  Cross-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 – 86  Thoracic – 78  Lumbar - 8  Mean (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 |