**Reviewer ID:** Jeff Tan, John Zhu, Marzena Zhou

**Type of Outcome Measure:** Quality of Life Index (QLI) (Ferrans and Powers)

**Total articles:** 2

<table>
<thead>
<tr>
<th>Author ID</th>
<th>Study Design</th>
<th>Setting</th>
<th>Population (sample size, age) and Group</th>
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</thead>
<tbody>
<tr>
<td>May &amp; Warren 2001</td>
<td>Convenience Sample</td>
<td>Alberta, Canada</td>
<td>N=11 (9 male, 2 female) Mean Age: 33.1, range 26-42 years 8 Cervical, 3 Thoracic/Lumbar</td>
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<tr>
<td>May &amp; Warren 2002</td>
<td>Convenience Sample</td>
<td>Alberta, Canada</td>
<td>N=98 (76 male, 22 female) Mean Age: 45.2, range 21-81 years Mean DOI: 15.5 yrs, range 1.1-77.7 yrs 56.1% of participants had a cervical injury</td>
</tr>
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</table>

1. **RELIABILITY** – no data available

2. **VALIDITY**

   **Validity**

   **May & Warren 2001**
   A convenience sample was used to evaluate the substantive and structural components of the QLI, as a form of content validity. For the substantive component, four cognitive questions and post-interview questions were used to determine possible comprehension issues with the items. For the structural component, the grouping of the items and scoring model were evaluated. Appropriate changes were made from the results of these components.

   Weighted total QLI score & Non-weighted sub-section scores of the QLI (Pearson correlations)
   QLI & mean satisfaction: r=0.98
   QLI & mean importance: r=0.47 (single outlier data point removed)

   **May & Warren 2002**
   Weighted total QLI score & Non-weighted sub-section scores of the QLI (Pearson correlations)
   QLI & mean satisfaction: r=0.99
   QLI & mean importance: r=0.43
   QLI & Reintegration to Normal Living: r=-0.654 (P=.01 two-tailed)
   QLI & Rosenberg Self-esteem scale: r=0.609 (P=.01 two-tailed)

3. **RESPONSIVENESS** – no data available

4. **FLOOR/CEILING EFFECT** – no data available

5. **INTERPRETABILITY**

   **Interpretability**

   **May & Warren 2002**
   QLI scores: [ mean, (SD), range]
   Overall: 21.02 (4.27), 11-30
   Health & Functioning: 19.92 (4.83), 6.38-30
   Social & Economic: 21.56 (4.26), 11.75-30
   Psychological & Spiritual: 21.74 (5.49), 5.64-30
   Family: 22.94 (5.58), 8-30