

| <b>Reviewer ID:</b> Jeff Tan                                     |  |   |  |
|--|--|---|--|
| <b>Type of Outcome Measure:</b> Jebsen-Taylor Hand Function Test |  |   | <b>Total articles:</b> 2   |
| <b>Author ID<br/>Year</b>  | <b>Study Design</b>  | <b>Setting</b>  | <b>Population (sample size, age) and Group</b>   |
| Lynch & Bridle 1989  | Follow-up study of the long-term functional effects of traumatic central spinal cord injury.   | Patient's homes   | N=18<br>Mean Age: 52 years, range 26 to 70 years<br>Reliability sample: n=26 (6 with quadriplegia)   |
| Jebsen et al 1969  | Case-Control   | Unknown   | Reported mean & standard deviation for Jebsen scores:<br>N=300 AB subjects (30M, 30F from each of the following age categories: 20-29, 30-39, 40-49, 50-59, 60-94)<br><br>Reliability study:<br>N=26<br>Mean (SD) age of all participants: 34.5 (20)<br><br>1 post-poliomyelitis<br>4 cerebral palsy<br>6 hemiparesis due to cerebral vascular disease<br>5 rheumatoid arthritis<br>4 postburn<br>1 congenital hand anomaly<br>2 posttrauma<br>1 polyneuropathy<br>1 severe degenerative joint disease |
| <b>1. RELIABILITY</b>  |  |   |  |
| <b>Author ID</b>   | <b>Internal Consistency</b>  | <b>Test-retest, Inter-rater, Intra-rater</b>  |  |
| Jebsen et al. 1969   | No data available  | Patients maintained their relative positions within the distribution of scores, indicating that each subtest was fairly reliable<br><br>To test for reliability 26 subjects with a stable hand disability were chosen and tested twice. Results from their test results were tested using Pearson product movement correlations coefficient.<br><br>Coefficients ranged from 0.60 to 0.99 (P<.01) |  |
| <b>2. VALIDITY</b>   |  |   |  |
| <b>Author ID</b>   | <b>Validity</b>  |   |  |
| Lynch & Bridle 1989  | Overall mean Jebsen-Taylor test score and overall mean Klein-Bell Scale score:<br>Spearman's $\rho = -0.635$ , (P<.01)<br><br><u>Jebsen-Taylor &amp; Klein-Bell subscale:</u><br>Dressing:<br>$\rho = -0.69$ , (P<.01)<br>Bathing/Hygiene: |   |  |

|   |   |
|---|---|
|   | $\rho = -0.57, (P < .01)$<br>Eating:<br>$\rho = -0.45, (P < .05)$ |
| <b>3. RESPONSIVENESS</b> – no data available        |   |
| <b>4. FLOOR/CEILING EFFECTS</b> – no data available |   |
| <b>5. INTERPRETABILITY</b> – no data available      |   |