

Reviewer ID: Christie Chan and Risa Fox			
Type of Outcome Measure: Appraisals of DisAbility: Primary and Secondary Scale (ADAPSS)			Total articles: 2
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Dean & Kennedy 2009	Cross-sectional (N=237) and test-retest (N=93)	Community-based sample of adults	<p>Cross-sectional study: 237 SCI participants (68% male) Mean age: 47 years (range: 18-81) 56% reported paraplegic injuries 37% reported tetraplegic injuries 7% unknown</p> <p>Test-retest study: 93 SCI participants (63% male) Mean age: 48 years (range: 22-65) 64% reported paraplegic injuries 33% reported tetraplegic injuries 3% unknown</p>
Mignogna et al. 2014	Cross-sectional study	Michael E. DeBakey VA Medical Center, USA	<p>N = 98 (94M, 4F) Mean age =18.3 (13.1)</p> <p>Injury characteristics: Tetraplegia (low): n=14 Tetraplegia (high, AIS A,B,C): n=6 AIS D: n=41</p> <p>Traumatic injury: Yes (77) No (21)</p> <p>Inclusion Criteria: - Solely based on the completion of the ADAPSS-sf - sample of outpatient Veterans with spinal cord injuries and disorders (SCI/D).</p>
1. RELIABILITY			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Dean & Kennedy 2009	<p>Cronbach's alpha for Time 1: Fearful despondency: .85 Overwhelming disbelief: .83 Determined resolve: .74 Growth and resilience: .73 Negative perceptions of disability: .80 Personal agency: .70</p> <p>Cronbach's alpha for test-retest: Fearful despondency: .86 Overwhelming disbelief: .86 Determined resolve: .77 Growth and resilience: .78 Negative perceptions of disability: .74 Personal agency: .74</p>	<p>All 6 ADAPSS subscales displayed good internal reliability at Time 1 and test-retest ($\alpha > .70$).</p> <p>Spearman's rho correlations for ADAPSS subscales between time 1 and time 2: Fearful despondency: .879 Overwhelming disbelief: .863 Determined resolve: .755 Growth and resilience: .828 Negative perceptions of disability: .814 Personal agency: .615 All $P < .01$</p>	

2. VALIDITY

Author ID	Validity																												
Dean & Kennedy 2009	<p>All six ADAPSS subscales were significantly positively correlated with measures of threat and loss appraisals and measure of anxiety via hospital and anxiety and depression scale; significantly negatively correlated with perceived manageability and challenge appraisals.</p> <p>Spearman's rho correlations between the Perceived Manageability Scale – Needs Assessment Checklist and ADAPSS subscales: Fearful despondency: -.597 Overwhelming disbelief: -.468 Determined resolve: -.599 Growth and resilience: -.345 Negative perceptions of disability: -.533 Personal agency: -.519</p> <p>Spearman's rho correlations between the Hospital Anxiety and Depression Scale – Anxiety subscale and ADAPSS subscales: Fearful despondency: .649 Overwhelming disbelief: .597 Determined resolve: .347 Growth and resilience: .187 Negative perceptions of disability: .496 Personal agency: .393 all $P < .01$</p> <p>The six ADAPSS factors were unrelated to current age and cause of SCI. However, respondents who were unemployed were more likely to endorse items on Fearful Despondency ($z = -2.851, P < .01$, two-tailed), Overwhelming Disbelief ($z = -3.473, P < .001$, two-tailed), and Negative Perceptions of Disability ($z = -3.231, P < .001$, two-tailed). Unemployed respondents were also less likely to endorse items on Determined Resolve ($z = -2.911, P < .01$, two-tailed). There was a significant difference between level of injury and scores on Determined Resolve and Negative Perceptions of Disability. The mean scores suggested respondents with a cervical injury were less likely to endorse Determined Resolve items and more likely to endorse Negative Perceptions of Disability items. Female respondents also appeared more likely to endorse Overwhelming Disbelief items. There was a weak significant positive correlation between age at time of injury and Negative Perceptions of Disability, suggesting respondents who endorsed items on this subscale were older when they were injured. A weak significant negative correlation between time since injury and Overwhelming Disbelief suggested respondents who endorsed items on this subscale had been injured for less time.</p> <p>Spearman's rho correlations between the Appraisal of Life Events (ALE) subscales (threat, loss, challenge) and the ADAPSS subscales:</p> <table border="1" data-bbox="228 1304 1539 1497"> <thead> <tr> <th>Variable:</th> <th>Fearful despondency</th> <th>Overwhelming disbelief</th> <th>Determined resolve</th> <th>Growth and resilience</th> <th>Negative perceptions of disability</th> <th>Personal agency</th> </tr> </thead> <tbody> <tr> <td>ALE – Threat</td> <td>.738</td> <td>.712</td> <td>.442</td> <td>.287</td> <td>.609</td> <td>.361</td> </tr> <tr> <td>ALE – Loss</td> <td>.739</td> <td>.721</td> <td>.473</td> <td>.310</td> <td>.614</td> <td>.458</td> </tr> <tr> <td>ALE – Challenge</td> <td>-.402</td> <td>-.401</td> <td>-.292</td> <td>-.262</td> <td>-.490</td> <td>-.401</td> </tr> </tbody> </table> <p>All six ADAPSS subscales were significantly positively correlated with measures of threat and loss appraisals and significantly negatively correlated with perceived manageability and challenge appraisals. This suggests respondents who were more likely to endorse items on the Fearful Despondency, Overwhelming Disbelief, and Negative Perceptions of Disability subscales were more likely to appraise their injury in terms of loss and threat and to perceive their injury as unmanageable. They were also less likely to appraise their injury in terms of challenge. Respondents who were less likely to endorse items on the Fighting-Spirit, Growth and Resilience, and Personal Agency subscales were more likely to appraise their injury in terms of loss and threat and to perceive their injury as unmanageable. They too were less likely to appraise their injury in terms of challenge.</p>	Variable:	Fearful despondency	Overwhelming disbelief	Determined resolve	Growth and resilience	Negative perceptions of disability	Personal agency	ALE – Threat	.738	.712	.442	.287	.609	.361	ALE – Loss	.739	.721	.473	.310	.614	.458	ALE – Challenge	-.402	-.401	-.292	-.262	-.490	-.401
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Mignogna et al. 2014	<p>ADAPSS-sf total score was negatively associated with life satisfaction ($\beta = -0.72, p < .001$), controlling for depressive symptoms ($\beta = 0.05, p = .604$) and level of injury ($\beta = 0.153, p = .051$).</p>																												

3. RESPONSIVENESS – no data available

4. FLOOR/CEILING EFFECT – no data available

5. INTERPRETABILITY – no data available