

<b>Reviewer ID:</b> Nicole Elfring, John Zhu, Jeremy Mak			
<b>Type of Outcome Measure:</b> Centre of Epidemiological Studies Depression Scale (CES-D)			<b>Total articles:</b> 5
<b>Author ID Year</b>	<b>Study Design</b>	<b>Setting</b>	<b>Population (sample size, age) and Group</b>
La Chapelle 2005	SCI patients filled out CES-D, as part of neurobehavioral study.	Not mentioned	17 SCI patients; 14M, 3F; avg. age= 43.3
Kuptniratsai kul et al. 2002	Cross-sectional study to examine the Receiver Operating Curve (ROC) and logistic regression of the Thai CES-D	Not mentioned	N=83 (79.5% male, 20.5% female) Mean age: 33±11.7 years (range 10-68 years)  Complete quadriplegia = 25% Complete paraplegia = 33.7% Incomplete lesions = 41%
Miller et al. 2008	2 week re-test study to assess the reliability and validity of the CESD -20 and CESD -10	Tertiary care center in Vancouver, BC	N = 47 individuals, Male = 30 Female = 17  Mean age = 40.6  Subject 19 years and older who had their SCI for 1 or more years.  AIS A = 29 AIS B = 18
Anton et al. 2008	2-week methodologic study to assess the internal consistency, reliability and construct validity of the FSS.	A tertiary spinal cord rehab facility in Vancouver, Canada	N=48 Male=31 Female=17 Mean age=40.4 Mean time since injury=14.9 years Major cause of injury=motor vehicle collision=27  Motor complete SCI=48 Tetraplegia=26 AIS A injuries=30
Rintala 2013	3 phases: Phase 2 involves measures: ISEL-40, SSP Max 5, ISEL-6, SSP Global; Phase 3 involves measures: CESD, LSIA, PSS, RSES;  Phase 3 is 3 years after phase 2	Houston and Galveston, Texas	N=69, all male Mean age 38.95±11.27 at phase 2. Mean age at onset: 26.29±10.23 Mean time since onset 12.76±7.24 years Men with SCI 32 tetraplegia with AIS-A/B/C 29 paraplegia with AIS-A/B/C 8 with AIS-D
<b>1. RELIABILITY</b>			
<b>Author ID</b>	<b>Internal Consistency</b>	<b>Test-retest, Inter-rater, Intra-rater</b>	
La Chapelle 2005	α=0.88 for SCI	No data available	

Miller et al. 2008	Cronbach' alpha for: CESD 20 = 0.91	Test-retest: <table border="1"> <tr> <td>CESD item:</td> <td>ICC:</td> </tr> <tr> <td><b>1. I was bothered by things</b></td> <td><b>0.32</b></td> </tr> <tr> <td>2. My appetite was poor</td> <td>0.51</td> </tr> <tr> <td>3. I could not shake off the blues</td> <td>0.73</td> </tr> <tr> <td>4. I felt that I was just as good as other people</td> <td>0.11</td> </tr> <tr> <td><b>5. Trouble keeping my mind on what I was doing</b></td> <td><b>0.62</b></td> </tr> <tr> <td><b>6. I felt depressed</b></td> <td><b>0.67</b></td> </tr> <tr> <td><b>7. Everything I did was an effort</b></td> <td><b>0.59</b></td> </tr> <tr> <td><b>8. I felt hopeful about the future</b></td> <td><b>0.59</b></td> </tr> <tr> <td>9. I thought my life had been a failure</td> <td>0.28</td> </tr> <tr> <td><b>10. I felt fearful</b></td> <td><b>0.47</b></td> </tr> <tr> <td><b>11. My sleep was restless</b></td> <td><b>0.64</b></td> </tr> <tr> <td><b>12. I was happy</b></td> <td><b>0.52</b></td> </tr> <tr> <td>13. I talked less than usual</td> <td>0.64</td> </tr> <tr> <td><b>14. I felt lonely</b></td> <td><b>0.55</b></td> </tr> <tr> <td>15. People were unfriendly</td> <td>0.43</td> </tr> <tr> <td>16. I enjoyed life</td> <td>0.63</td> </tr> <tr> <td>17. I had crying spells</td> <td>0.54</td> </tr> <tr> <td>18. I felt sad</td> <td>0.62</td> </tr> <tr> <td>19. I felt that people disliked me</td> <td>0.71</td> </tr> <tr> <td><b>20. I could not get "going"</b></td> <td><b>0.68</b></td> </tr> <tr> <td>CESD 20 total</td> <td>0.87</td> </tr> <tr> <td>CESD 10 total</td> <td>0.85</td> </tr> <tr> <td colspan="2">Items in bold = CESD 10</td> </tr> </table>	CESD item:	ICC:	<b>1. I was bothered by things</b>	<b>0.32</b>	2. My appetite was poor	0.51	3. I could not shake off the blues	0.73	4. I felt that I was just as good as other people	0.11	<b>5. Trouble keeping my mind on what I was doing</b>	<b>0.62</b>	<b>6. I felt depressed</b>	<b>0.67</b>	<b>7. Everything I did was an effort</b>	<b>0.59</b>	<b>8. I felt hopeful about the future</b>	<b>0.59</b>	9. I thought my life had been a failure	0.28	<b>10. I felt fearful</b>	<b>0.47</b>	<b>11. My sleep was restless</b>	<b>0.64</b>	<b>12. I was happy</b>	<b>0.52</b>	13. I talked less than usual	0.64	<b>14. I felt lonely</b>	<b>0.55</b>	15. People were unfriendly	0.43	16. I enjoyed life	0.63	17. I had crying spells	0.54	18. I felt sad	0.62	19. I felt that people disliked me	0.71	<b>20. I could not get "going"</b>	<b>0.68</b>	CESD 20 total	0.87	CESD 10 total	0.85	Items in bold = CESD 10	
CESD item:	ICC:																																																	
<b>1. I was bothered by things</b>	<b>0.32</b>																																																	
2. My appetite was poor	0.51																																																	
3. I could not shake off the blues	0.73																																																	
4. I felt that I was just as good as other people	0.11																																																	
<b>5. Trouble keeping my mind on what I was doing</b>	<b>0.62</b>																																																	
<b>6. I felt depressed</b>	<b>0.67</b>																																																	
<b>7. Everything I did was an effort</b>	<b>0.59</b>																																																	
<b>8. I felt hopeful about the future</b>	<b>0.59</b>																																																	
9. I thought my life had been a failure	0.28																																																	
<b>10. I felt fearful</b>	<b>0.47</b>																																																	
<b>11. My sleep was restless</b>	<b>0.64</b>																																																	
<b>12. I was happy</b>	<b>0.52</b>																																																	
13. I talked less than usual	0.64																																																	
<b>14. I felt lonely</b>	<b>0.55</b>																																																	
15. People were unfriendly	0.43																																																	
16. I enjoyed life	0.63																																																	
17. I had crying spells	0.54																																																	
18. I felt sad	0.62																																																	
19. I felt that people disliked me	0.71																																																	
<b>20. I could not get "going"</b>	<b>0.68</b>																																																	
CESD 20 total	0.87																																																	
CESD 10 total	0.85																																																	
Items in bold = CESD 10																																																		
Rintala 2013	Cronbalch's alpha for CES-D-20: 0.89																																																	
<b>2. VALIDITY</b>																																																		
<b>Author ID</b>	<b>Validity</b>																																																	
Kuptniratsai kul et al. 2002	Positive predictive value = 45.7 (95% CI: 29.2%–63.1%) Negative predictive value = 91.7% (95% CI: 79.1%-97.3%)  Sensitivity = 80.0% Specificity = 69.8% ROC curve = 0.826																																																	
Miller et al. 2008	<b>CESD 20 correlation w/ Short Form-36*</b> Mental Health: r=0.75 Emotional role function: r=0.55 Vitality: r=0.54 Pain: r=0.27 Social role function: r=0.37 Physical function: r=0.34 Physical role function: r=0.40 General health: r=0.57  <b>CESD 20 correlation w/ the visual analogue scale of fatigue (VAS-F)</b> r=0.52																																																	

Anton et al. 2008	Pearson correlation CESD correlation with Fatigue Severity Scale (same construct being measured for both) r=0.58
<b>3. RESPONSIVENESS</b> – no data available	
<b>4. FLOOR/CEILING EFFECT</b> – no data available	
<b>5. INTERPRETABILITY</b>	
<b>Author ID</b>	<b>Interpretability</b>
Miller et al. 2008	Mean CESD-20 score: 15.2 (range 0-42) 39% of sample scored over 15 30% of sample scored over 19
Anton et al. 2008	Mean (SD) CES-D-20 score: 16.0 (10.8)

<b>Reviewer ID:</b> Nicole Elfring																																	
<b>Type of Outcome Measure:</b> Centre of Epidemiological Studies Short Depression Scale (CES-D-10)			<b>Total articles:</b> 1																														
<b>Author ID Year</b>	<b>Study Design</b>	<b>Setting</b>	<b>Population (sample size, age) and Group</b>																														
Miller et al. 2008	2 week re-test study to assess the reliability and validity of the CESD -20 and CESD -10	Tertiary care centre in Vancouver, BC	N = 47 individuals, (30M, 17F)  Mean age = 40.6  Subject 19 years and older who had their SCI for 1 or more years.  AIS A = 29 AIS B = 18																														
<b>1. RELIABILITY</b>																																	
<b>Author ID</b>	<b>Internal Consistency</b>	<b>Test-retest, Inter-rater, Intra-rater</b>																															
Miller et al. 2008	Cronbach's alpha for: CESD 10 = 0.86	<table border="1"> <tr> <td colspan="2">Test-retest:</td> </tr> <tr> <td>CESD item:</td> <td>ICC:</td> </tr> <tr> <td><b>1. I was bothered by things</b></td> <td><b>0.32</b></td> </tr> <tr> <td>2. My appetite was poor</td> <td>0.51</td> </tr> <tr> <td>3. I could not shake off the blues</td> <td>0.73</td> </tr> <tr> <td>4. I felt that I was just as good as other people</td> <td>0.11</td> </tr> <tr> <td><b>5. Trouble keeping my mind on what I was doing</b></td> <td><b>0.62</b></td> </tr> <tr> <td><b>6. I felt depressed</b></td> <td><b>0.67</b></td> </tr> <tr> <td><b>7. Everything I did was an effort</b></td> <td><b>0.59</b></td> </tr> <tr> <td><b>8. I felt hopeful about the future</b></td> <td><b>0.59</b></td> </tr> <tr> <td>9. I thought my life had been a failure</td> <td>0.28</td> </tr> <tr> <td><b>10. I felt fearful</b></td> <td><b>0.47</b></td> </tr> <tr> <td><b>11. My sleep was restless</b></td> <td><b>0.64</b></td> </tr> <tr> <td><b>12. I was happy</b></td> <td><b>0.52</b></td> </tr> <tr> <td>13. I talked less than usual</td> <td>0.64</td> </tr> </table>		Test-retest:		CESD item:	ICC:	<b>1. I was bothered by things</b>	<b>0.32</b>	2. My appetite was poor	0.51	3. I could not shake off the blues	0.73	4. I felt that I was just as good as other people	0.11	<b>5. Trouble keeping my mind on what I was doing</b>	<b>0.62</b>	<b>6. I felt depressed</b>	<b>0.67</b>	<b>7. Everything I did was an effort</b>	<b>0.59</b>	<b>8. I felt hopeful about the future</b>	<b>0.59</b>	9. I thought my life had been a failure	0.28	<b>10. I felt fearful</b>	<b>0.47</b>	<b>11. My sleep was restless</b>	<b>0.64</b>	<b>12. I was happy</b>	<b>0.52</b>	13. I talked less than usual	0.64
Test-retest:																																	
CESD item:	ICC:																																
<b>1. I was bothered by things</b>	<b>0.32</b>																																
2. My appetite was poor	0.51																																
3. I could not shake off the blues	0.73																																
4. I felt that I was just as good as other people	0.11																																
<b>5. Trouble keeping my mind on what I was doing</b>	<b>0.62</b>																																
<b>6. I felt depressed</b>	<b>0.67</b>																																
<b>7. Everything I did was an effort</b>	<b>0.59</b>																																
<b>8. I felt hopeful about the future</b>	<b>0.59</b>																																
9. I thought my life had been a failure	0.28																																
<b>10. I felt fearful</b>	<b>0.47</b>																																
<b>11. My sleep was restless</b>	<b>0.64</b>																																
<b>12. I was happy</b>	<b>0.52</b>																																
13. I talked less than usual	0.64																																

		<b>14. I felt lonely</b>	<b>0.55</b>
		15. People were unfriendly	0.43
		16. I enjoyed life	0.63
		17. I had crying spells	0.54
		18. I felt sad	0.62
		19. I felt that people disliked me	0.71
		<b>20. I could not get "going"</b>	<b>0.68</b>
		CESD 20 total	0.87
		CESD 10 total	0.85
		Items in bold = CESD 10	

**2. VALIDITY**

Author ID	Validity
Miller et al. 2008	<p><b>CESD 10 correlation w/SF-36*</b>            Mental Health: r=0.71            Emotional role function: r=0.56            Vitality: r=0.60            Pain: r=0.38            Social role function: r=0.42            Physical function: r=0.37            Physical role function: r=0.49            General health: r=0.60            *P&lt;0.05</p> <p><b>CESD 10 correlation w/ the VAS-F</b>            r=0.57</p>

**3. RESPONSIVENESS** – no data available

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

**5. INTERPRETABILITY**

Author ID	Interpretability
Miller et al. 2008	<p>Mean CESD-10 score: 9.7 (range 0-25)            38.3% scored over 10</p>