## Reviewer ID: Nicole Elfring, Bryce Jay

**Type of Outcome Measure:** The Symptoms Checklist-90-Revised (SCL-90-R)  
**Total articles:** 2

<table>
<thead>
<tr>
<th>Author ID Year</th>
<th>Study Design</th>
<th>Setting</th>
<th>Population (sample size, age) and Group</th>
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</thead>
</table>
| Buckelew et al. 1988 | Designed to assess the internal consistency of the experimental SCL-90-R subscales, evaluate validity and examine item response patterning. | University of Missouri Pain Management Center | N=52 (8 females & 44 males)  
Mean age=30 years  
Average DOI: 1.5 years |
| Overholser et al. 1993 | Interview format | Spinal Cord Rehabilitation Unit | N=81 (63 male, 18 female)  
Age: 36.1±14.5  
40 quadriplegia, 41 paraplegia  
Inpatients and outpatients |

### 1. RELIABILITY

<table>
<thead>
<tr>
<th>Author ID</th>
<th>Internal Consistency</th>
<th>Test-retest, Inter-rater, Intra-rater</th>
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</thead>
</table>
| Buckelew SP | Cognitive/affective depression α=0.89  
Somatic depression α =0.62  
Individual items & total subscale score correlation using Pearson product-moment  
Cognitive: r=0.48-0.86  
Somatic: r=0.25-0.76 | No data available |

### 2. VALIDITY

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<tr>
<th>Author ID</th>
<th>Validity</th>
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| Buckelew SP | Correlation between SCL-90-R subscales and other instruments measuring the same corresponding constructs:  
Correlation between research subscale Cognitive depression and SCL-90-R clinical subscales  
r=0.54(somatization)-0.78( Obsessive-compulsive).  
Correlation between research subscale Somatic depression and SCL-90-R clinical subscales  
r=0.31( Obsessive-compulsive)-0.66(somatization)  
Correlation between SCL-90-R subscales and other instruments measuring different constructs:  
Using Wilkes Criterion, only the diagnosis main effect was significant for both the cognitive depression F(2,269)=4.05, P<.01 and the somatic depression subscale F(2,269)=18.73. P<.0001; revealed by univariate ANOVA. |
| Overholser, JC et al. | Correlation between SCL-90-R subscales and other instruments measuring the same corresponding constructs:  
Intercorrelations between Medically-Based Emotional Distress Scale (MEDS) and SCL-90-R Scales |
SCL-90-R Depression: $r=0.15-0.72$, $P<.001$ (except social withdrawal, $P<.01$; anhedonia, n.s.)
SCL-90-R Hostility: $r=0.14-0.72$, $P<.001$ (except anhedonia, n.s)
SCL-90-R Anxiety: $r=0.48-0.59$, $P<.001$ (except anhedonia & ruminations over past events, n.s.)
SCL-90-R Interpersonal Sensitivity: $r=0.44-0.71$, $P<.001$ (except anhedonia, n.s)

Total MEDS & Other Measures:
Depression: $r=0.77$
Hostility: $r=0.65$
Anxiety: $r=0.55$
Interpersonal Sensitivity: $r=0.66$
All significant at $P<.001$

SCL-90-R Sleep Disturbance & MEDS subscales
Dysphoria: $r(52)=0.36$, $P<.01$
Irritability: $r(52)=0.47$, $P<.001$
MEDS Total Score: $r(41)=0.40$, $P<.01$

SCL-90-R Psychoticism & MEDS subscales
Dysphoria: $r(52)=0.31$, $P<.01$
Irritability: $r(52)=0.51$, $P<.001$
MEDS Total Score: $r(41)=0.51$, $P<.001$

3. RESPONSIVENESS – no data available
4. FLOOR/CEILING EFFECT – no data available
5. INTERPRETABILITY – no data available