

Research Summary – Symptoms Checklist-90-Revised (SCL-90-R) – Mental Health

Author Year Research Design Setting (country)	Demographics and Injury Characteristics of Sample	Validity	Reliability	Responsiveness Interpretability
<p>Buckelew et al. 1988</p> <p>Designed to assess the internal consistency of the experimental SCL-90-R subscales, evaluate validity and examine item response patterning.</p> <p>University of Missouri Pain Management Center</p>	<p>N=52 (8 females & 44 males) Mean age=30 years Average DOI: 1.5 years</p>	<p>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)</p> <p>Correlation between SCL-90-R subscales</p>	<p>Internal Consistency: Cognitive/affective depression $\alpha=0.89$ Somatic depression $\alpha=0.62$</p> <p>Individual items & total subscale score correlation using Pearson product-moment Cognitive: r=0.48-0.86 Somatic: r=0.25-0.76</p>	

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		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 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	Correlation between SCL-90-R subscales and other instruments measuring the same corresponding constructs: <u>Intercorrelations between Medically-Based Emotional Distress Scale (MEDS) and SCL-90-R Scales</u>		

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		<p>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)</p> <p><u>Total MEDS & Other Measures:</u> Depression: r=0.77 Hostility: r=0.65 Anxiety: r=0.55 Interpersonal Sensitivity: r=0.66</p>		

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		<p>All significant at P<.001</p> <p><u>SCL-90-R Sleep Disturbance & MEDS subscales</u> Dysphoria: r(52)=0.36, P<.01 Irritability: r(52)=0.47, P<.001 MEDS Total Score: r(41)=0.40, P<.01</p> <p><u>SCL-90-R Psychoticism & MEDS subscales</u> Dysphoria: r(52)=0.31, P<.01 Irritability: r(52)=0.51, P<.001 MEDS Total Score: r(41)=0.51, P<.001</p>		