## The Spinal Cord Injury Spasticity Evaluation Tool (SCI-SET)

### Assessment Overview

#### Assessment Area

**ICF Domain:**
Body Function  

**Subcategory:**
Neuromusculoskeletal & Movement-related Functions and Structures

#### Summary

The Spinal Cord Injury Spasticity Evaluation Tool (SCI-SET) is a self-report questionnaire that assesses the impact of spasticity on daily life in people with SCI. It requires participants to recall their past 7 days when rating spasticity on a scale ranging from -3 (extremely problematic) to +3 (extremely helpful).

#### You Will Need

**Length:**  
35 items

**Scoring:**  
Total score (-3 to +3) is generated by summing all the responses from the applicable items then dividing the sum by the number of applicable items

### Assessment Interpretability

#### Minimal Clinically Important Difference

Not established in SCI

#### Statistical Error

- **Standard Error of Measurement:** 0.17
- **Minimal Detectable Change:** 0.47

(Adams et al. 2007; N=61, 45 males, mixed injury types, community living, mean (SD) time since injury = 10.2 (8.6) years)

#### Typical Values

- **Mean (SD) Scores:**
  - Across groups: -0.65 (0.56)
  - Patients with Paraplegia = -0.62 (0.57)
  - Patients with Tetraplegia = -0.67 (0.57)
  - Range: -2.35 to 0.00

(Adams et al. 2007; N=61, 45 males, mixed injury types, community living, mean (SD) time since injury = 10.2 (8.6) years)

### Availability


**Languages:** English
### Measurement Properties

<table>
<thead>
<tr>
<th>Validity – Low to High</th>
<th>Reliability – High</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low</strong> to <strong>High</strong> correlation between SCI-SET scores and:</td>
<td><strong>High</strong> Test-retest Reliability (one week interval):</td>
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<tr>
<td>Self-assessment of Spasticity Severity = -0.48</td>
<td>ICC = 0.91</td>
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<tr>
<td>Self-assessment of Spasticity Impact = -0.61</td>
<td><strong>High</strong> Internal Consistency:</td>
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<tr>
<td>Functional Independence Measure motor score = 0.21</td>
<td>α = 0.90</td>
</tr>
<tr>
<td>Quality of Life Index health and functioning subscale = 0.68</td>
<td>(Adams et al. 2007; N=61, 45 males, mixed injury types, community living, mean (SD) time since injury = 10.2 (8.6) years)</td>
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<tr>
<td>Penn Spasm Frequency Scale = -0.66</td>
<td><strong>Number of studies reporting reliability data: 1</strong></td>
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<tr>
<td>(Adams et al. 2007; N=61, 45 males, mixed injury types, community living, mean (SD) time since injury = 10.2 (8.6) years)</td>
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<td><strong>Number of studies reporting validity data: 1</strong></td>
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### Responsiveness

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<th>Effect Size:</th>
<th>Number of studies reporting responsiveness data:</th>
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<tbody>
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<td>Not established in SCI</td>
<td>Not established in SCI</td>
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