# Sollerman Hand Function Test (SHFT)

## Assessment Overview

### Assessment Area

**ICF Domain:**
- Activity

**Subcategory:**
- Mobility

### Summary

The Sollerman Hand Function Test (SHFT) is a performance-based measure developed for tetraplegic individuals that assesses grips that are needed for certain activities of daily living (ADLs) using tests that represent common hand grips and activities. The SHFT (unlike the Jebsen Hand Function Test) considers the quality and level of difficulty with the performance, which are important components with respect to hand function.

### You Will Need

**Length:**
- 20-25 minutes, 20 items

**Equipment:**
- A variety of tools used for ADLs are required.

**Scoring:**
- Patients are scored on a 5-point scale from 0 (task cannot be performed at all) to 4 (task is completed without any difficulty within the time frame (20 seconds).
- The subtest scores are added up for a total sum score (0-80).

**Training:**
- None, but knowledge of hand function recommended

### Availability

- [https://www.scireproject.com/outcome-measures/video](https://www.scireproject.com/outcome-measures/video)

**Languages:** English

## Assessment Interpretability

### Minimal Clinically Important Difference

- Not established in SCI

### Statistical Error

- Not established in SCI

### Typical Values

**Mean (SD) Scores:**

70.94 (38.28)

(Fattal 2004; N=52, 41 male, complete tetraplegia, mean time since injury = 11.54 years)
Measurement Properties

Validity – High

*High* correlation with Motor Capacities Scale (MCS):
Correlation = 0.959

(Fattal 2004; N=52, 41 male, complete tetraplegia, mean time since injury = 11.54 years)

Number of studies reporting validity data: 2

Reliability – High

*High* Inter-rater Reliability:
Correlation = 0.98

(Sollerman & Ejeskär 1995; n=59, tetraplegia, no information on chronicity, 2 testers)

Number of studies reporting reliability data: 1

Responsiveness

Floor/Ceiling Effect: Not established in SCI

Effect Size: Not established in SCI

Number of studies reporting responsiveness data: 0