

# The Community Integration Questionnaire (CIQ)

## Assessment Overview

### Assessment Area

**ICF Domain:**

Participation

**Subscales:**

Home Integration

Social Integration

Productive Activities

### You Will Need

Less than 15 minutes to complete 15 items.

**Scoring:**

3, 5, or 6-point scale for items

Subscales summed for a total score ranging from 0-29, with higher scores indicating a greater degree of Community Integration.

### Summary

The Community Integration Questionnaire (CIQ) is a self-report measure, originally designed for people with traumatic brain injury, but has recently been validated for use with SCI populations.

The CIQ has three subscales:

1) Home Integration (e.g. Who does the grocery shopping at home? Who does the normal everyday housework?)

2) Social Integration (e.g. Who looks after your personal finances?)

3) Productive Activities (e.g. Do you work/volunteer? How often?).

Scores for these domains are generated based on the frequency of engaging in roles and activities, and responses are weighted according to level of independence in performing roles and activities.

### Availability

Available for free here:

<http://tbims.org/combi/ciq/ciqrat.html>

**Languages:** English

## Assessment Interpretability

### Minimal Clinically Important Difference

Not established in SCI

### Statistical Error

Not established in SCI

### Typical Values

**Mean (SD) Score:**

Home integration = 3.5 (2.6)

Social integration = 6.7 (2.5)

Productive activity = 1.0 (1.6)

Total score = 11.2 (5.0)

(Gontkovsky et al. 2009; n=28, 21 males; 25 traumatic SCI, mixed injury types, chronic)

Home integration: 4.5 (3.3)

Social integration: 8.5 (2.3)

Productive activity: 3.4 (1.9)

Total: 16.4 (6.1)

(Callaway et al. 2017; n=40, 61% males; mean age (SD): 58 (14.5); 77% traumatic SCI)

## Measurement Properties

### Validity – **Low** to **High**

#### **High** correlation with CHART-SF:

$r = 0.79$

(Gontkovsky et al. 2009; n=28, 21 males; 25 traumatic SCI, mixed injury types, chronic)

#### **Low** to **Moderate** correlation with Spinal Cord Lesion Coping Strategies Questionnaire subscales (SCL CSQ):

SCL CSQ – Acceptance:  $r = 0.289$

SCL CSQ – Fighting spirit:  $r = 0.326$

SCL CSQ – Social reliance:  $r = 0.272$

(Saffari et al. 2015; CIQ Iranian version, n=220, 164 males, mixed injury types, mean time since injury (SD) = 50.96 (35.05) months)

#### **Moderate** correlation of CIQ (Spanish) with CHART (Spanish):

$r = 0.53$

#### **High** correlation of CIQ (Spanish) with CIQ (English):

$r = 0.83$

(Rintala et al. 2002; N=99, mean duration (SD): 7.0 (6.5), 29 traumatic SCI)

**Number of studies reporting validity data: 3**

### Reliability – **Low** to **High**

#### **Low** to **High** Internal Consistency:

Total Score:  $\alpha = 0.71-0.75$

Home integration:  $\alpha = 0.79-0.81$

Social integration:  $\alpha = 0.62-0.63$

Productive activity:  $\alpha = 0.50-0.51$

(Kratz et al. 2015; measured at 1 month and 12 months, mixed injury types; time 1: n=727, 399 males, mean time since injury (SD) = 16.52(12.67) years; time 2: n=494, 301 males; mean time since injury (SD) = 16.15(11.98) years)

#### **Low** to **High** Internal Consistency:

Total Score:  $\alpha = 0.70$

Home integration:  $\alpha = 0.82$

Social integration:  $\alpha = 0.33$

Productive activity:  $\alpha = 0.42$

#### **High** Test-Retest Correlation:

$r = 0.85$

(Rintala et al. 2002; N=99, mean duration (SD): 7.0 (6.5), 29 traumatic SCI)

**Number of studies reporting reliability data: 2**

## Responsiveness

### Floor/Ceiling Effect:

Patients at ceiling (time 1, time 2):

Total Score: 0, 5%

Home integration: 6.4, 7.7%

Social integration: 1.6, 2.0%

Productive integration: 25, 27.1%

Patients at floor (time 1, time 2):

Total Score: 0.2%

Home integration: 1.2, 1.3%

Social integration: 0.6%

Productive integration: 8.1, 8.6%

(Kratz et al. 2015; measured at 1 month and 12 months, mixed injury types; time 1: n=727, 399 males, mean time since injury (SD) = 16.52(12.67) years; time 2: n=494, 301 males; mean time since injury (SD) = 16.15(11.98) years)

### Effect Size:

Not established in SCI

**Number of studies reporting responsiveness data: 1**