

# Quadriplegia Index of Function (QIF)-modified

## Assessment Overview

### Assessment Area

**ICF Domain:**

Activity

**Subcategory:**

Self-Care

### You Will Need

**Length:**

14 items ☑ less than 10 minutes

**Scoring:**

Each category of functional performance is calculated according to weighted scores.

### Summary

The modified Quadriplegia Index of Function (QIF) is comprised of 3 of the 10 domains (grooming, bathing, feeding) originally included in the QIF. The modified version of the QIF includes categories that relate directly to the upper extremity motor score assessment of the American Spinal Injury Association (ASIA) score.

### Availability

Can be found in the following article:

Can be found in the appendix of the following article: Marino 1993. Assessing selfcare status in quadriplegia: comparison of the quadriplegia index of function (QIF) and the functional independence measure (FIM). Paraplegia, 1993; 31:225-233.

[\(https://pubmed.ncbi.nlm.nih.gov/8493037/\)](https://pubmed.ncbi.nlm.nih.gov/8493037/)

## Assessment Interpretability

### Minimal Clinically Important Difference

Not established in SCI

### Statistical Error

Not established in SCI

### Typical Values

Not established in SCI

## Measurement Properties

### Validity ? **High**

#### **High** Correlation with the Functional Independence Measure (FIM) subscales

QIF-modified and FIM:  $\rho=0.93$

Subscale ? Grooming:  $\rho=0.94$

Subscale ? Bathing:  $\rho=0.92$

Subscale ? Feeding:  $\rho=0.75$

#### **High** Correlation with the Upper Extremity Motor Score (UEMS) subscales

Subscale ? Grooming:  $\rho=0.90$

Subscale ? Bathing:  $\rho=0.84$

Subscale ? Feeding:  $\rho=0.90$

(Marino et al. 1993, N=22 all male, mean age 33 years, range 10-63 years, traumatic quadriplegia C4-C7 injury)

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

### Reliability ? **Moderate to High**

#### **Moderate to High** inter-correlations of items within the same category for each domain:

Grooming:  $\rho=0.65-0.70$

Bathing:  $\rho=0.67-0.93$

Feeding:  $\rho=0.44-0.88$

(Marino et al. 1993, N=22 all male, mean age 33 years, range 10-63 years, traumatic quadriplegia C4-C7 injury)

**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:

No data on responsiveness was available for the QIF-modified.