

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:

[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](#)

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.