

Klein-Bell Activities of Daily Living Scale (K-B Scale)

Assessment Overview

Assessment Area

ICF Domain:

Activity

Subcategory:

Self-Care

You Will Need

Length:

170 items – 1-3 hours

Scoring:

Item scores are summed and multiplied by their respective weight factors. Overall independence scores range from 0 to 313 (0%-100%).

Summary

The Klein-Bell Activities of Daily Living scale (K-B Scale) measures the basic activities of daily living (ADL) independence in 6 sub-dimensions: mobility, emergency communication, dressing, elimination, bathing/hygiene and eating.

Weights are assigned to each task, in consideration of: importance to health, difficulty for non-disabled persons, time required to perform the task, and burden of care giving.

Availability

Currently unavailable.

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 to Low**

High Correlation with the Jebsen-Taylor total score:

$r = -0.635$

High Correlation with the Jebsen-Taylor Test - Dressing subscale:

$r = -0.69$

High Correlation with the ASIA Upper Extremity Motor Score (UEMS):

Correlation = 0.63

Moderate Correlation with the Jebsen-Taylor Test – Bathing/Hygiene subscale:

$r = -0.57$

Moderate Correlation with the Jebsen-Taylor Test – Eating subscale:

$r = -0.45$

Low Correlation with the COPM Performance:

$r = 0.07$

(Lynch & Bridle 1989; n=18; mean age: 52 (age range 26-70) years)

(Dahlgren et al. 2007; n=55; 43 males, 12 females; mean age: 39; mean time since injury: 5.5 years)

(Samuelsson et al. 2004; n=56; 44 males; mean age: 48.9 years; mean time since injury: 13.9 years)

Number of studies reporting validity data: 3

Reliability – **Not Established in SCI**

Not established in SCI

Number of studies reporting reliability data: 0

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting responsiveness data: 0