

Québec User Evaluation of Satisfaction with Assistive Technology (QUEST)

Assessment Overview

Assessment Area

ICF Domain:

Environmental Factors

Subcategory:

Products and Technology

You Will Need

Length:

10-15 minutes, 12 items

Scoring:

Items scored 1-5. 3 scores (devices, services, total) are calculated using means of certain items

Summary

The Québec User Evaluation of Satisfaction with Assistive Technology (QUEST) is a self-report or interview-based scale, designed to evaluate a person's satisfaction with a wide range of assistive technology. The current version (ver. 2.0) covers satisfaction with both the device, and with the service from the vendor/manufacturer.

Availability

http://www.midss.org/sites/default/files/questeng.scoring_sheetpdf_0.pdf

Languages: English, Chinese, Dutch, French, Japanese, Norwegian, Portuguese, Taiwanese

Assessment Interpretability

Minimal Clinically Important Difference

Not established in SCI

Statistical Error

Not established in SCI

Typical Values

Mean (SD) Scores:

Device Total: 4.1 (0.9)

Services Total: 3.8 (1.1)

Total: 3.99 (1.0)

(Bergstrom & Samuelsson 2006; N=124, 89 male, mixed injury types, community living, manual wheelchair users)

Measurement Properties

Validity – **Moderate**

Moderate correlation between QUEST-Device subscale and Hong Kong WHO Quality of Life – BREF:
Correlation = 0.344-0.567

(Chinese QUEST; Chan & Chan 2006; N=31, 25 male, mixed injury types, mean (SD) time since injury = 3.79 (3.72) years, manual and power wheelchair users)

Number of studies reporting validity data: 3

Reliability – **High**

High Intra-rater Reliability:

ICC = 0.855

(Korean QUEST; Hwang et al., 2015; N=70, 55 male, mixed injury types, mean (SD) time since injury = 31.1 (58.6) years, mixed assistive devices)

High Internal Consistency:

$\alpha = 0.90$

(Taiwanese QUEST; Mao et al., 2015; N=105, 79 male, 73 SCI, mean (SD) device use duration: 3.3 (2.2) years, mixed assistive devices)

$\alpha = 0.855$

(Korean QUEST; Hwang et al., 2015; N=70, 55 male, mixed injury types, mean (SD) time since injury = 31.1 (58.6) years, mixed assistive devices)

Number of studies reporting reliability data: 3

Responsiveness

Floor/Ceiling Effect:

Not established in SCI

Effect Size:

Not established in SCI

Number of studies reporting

responsiveness data: 0