



Barwon
Health

Developing the validated Foot-care abilities questionnaire (F-CAQ), using quality improvement outcomes.

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Introduction

A validated instrument for measuring low risk client's perceived problems with their abilities for foot-care was required to measure outcomes of the Meet Your Feet (MYF) program.

From 2003, MYF was evaluated for quality improvement purposes using surveys. As a literature search revealed no such instrument was available.

116 surveys were used as the resource from which to draft the ability statements on the F-CAQ. Surveys taken accumulated a list of barriers to self-management identified by clients that had attended MYF.

Method

Five academics, six clients, one receptionist and two lay people contributed to the face validity of the F-CAQ.

Nine allied health judges were recruited to rate the relevance of items using a content validity index table.

Ethics approval was obtained to involve low risk participants in testing the F-CAQ, over three applications.

Consenting participant data was analysed using the statistical package for Social Sciences (SPSS).

Results

Process

A combination questionnaire of Part A and Part B, with Likert scale type closed responses and open questions was converted to a 19 item, four part Likert type scale response questionnaire.

Initially 9/19 statement items were judged as needing review. Four being for relevancy and five for re-wording.

Items that rated 7/9 or higher by the allied health judges, were kept.

Seventeen of nineteen items were retained, seven were re-worded and two re-checked for relevance.

Outcomes

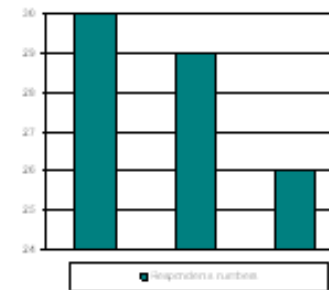
The F-CAQ had Flesch readability ease of 82.4 and Flesch-Kincaid grade level of 5.4 when measured.

Complete data was available for 20 participants, used in reliability analyses. **Figure 1.**

The Cronbach's alpha score of .903 indicated a high degree of internal consistency.

The Pearson correlation score of .855 indicated good stability of measurement over time.

Figure 1



Discussion

The F-CAQ has been proven to have face, content, internal consistency and test re-test reliability from a small sample group.

Data from future participants will be added to increase sample size. Adding to the internal consistency and stability of measurement over time.

The validated and reliable F-CAQ will be used to measure outcomes of the MYF course. It could also be trialed to test outcomes from other population groups or in one to one podiatry interventions where the Active Service Model is paramount.

Acknowledgements

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