

SWAT 95: Concurrent validity of the PROMIS-29 in older adults with multimorbidity

Objective of this SWAT

To assess the concurrent validity of the PROMIS-29 against the EQ-5D-5L in adults aged 65 years or older with multimorbidity

Study area: Validity of outcome measures

Sample type: Participants

Estimated funding level needed: Very Low

Background

The Patient Reported Outcomes Measurement Information System (PROMIS) aims to address the lack of generalisable and universal measure of patient reported outcomes to assess many health-related quality of life domains [1]. It has undergone extensive psychometric testing for validity and reliability in the general adult population but it has not been widely used in older adults with multimorbidity [2], and has received limited attention in the UK. In this SWAT, we will assess the concurrent validity of the PROMIS-29, a short form version of the whole PROMIS system, against the EQ-5D-5L in older adults with multimorbidity.

Interventions and comparators

Intervention 1: This SWAT is a non-randomised study in which both EQ-5D-5L and PROMIS-29 will be delivered to all participants at baseline and 3, 6 and 12 months after randomisation into the host study.

Index Type: Validity of outcome measures given to everyone

Method for allocating to intervention or comparator

Both interventions given to everybody

Outcome measures

Primary: Responses on PROMIS-29 (v2.1) and EQ-5D-5L

Secondary:

Analysis plans

The concurrent validity of the PROMIS-29 will be measured relative to the EQ-5D-5L to see how well it compares to the well-established EuroQoL test. Correlation between the two measures will be calculated. Concurrent validity is demonstrated when a test correlates well with a measure that has previously been validated.

Possible problems in implementing this SWAT

No problems anticipated.

References

1. Northwestern University (2019). PROMIS (Patient-Reported Outcomes Measurement Information System) [online]. Available at: <http://www.healthmeasures.net/explore-measurement-systems/promis>
2. Huang W, et al Adapting summary scores for the PROMIS 29 v2.0 for use among older adults with multiple chronic conditions. Quality of Life Research 2019;28(1):199-210.

Publications or presentations of this SWAT design

Examples of the implementation of this SWAT

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