



CONSTRUCTING A CLASSIFICATION SYSTEM FOR A NEW QALY MEASURE IN MENTAL HEALTH: RECOVERING QUALITY OF LIFE (ReQoL)

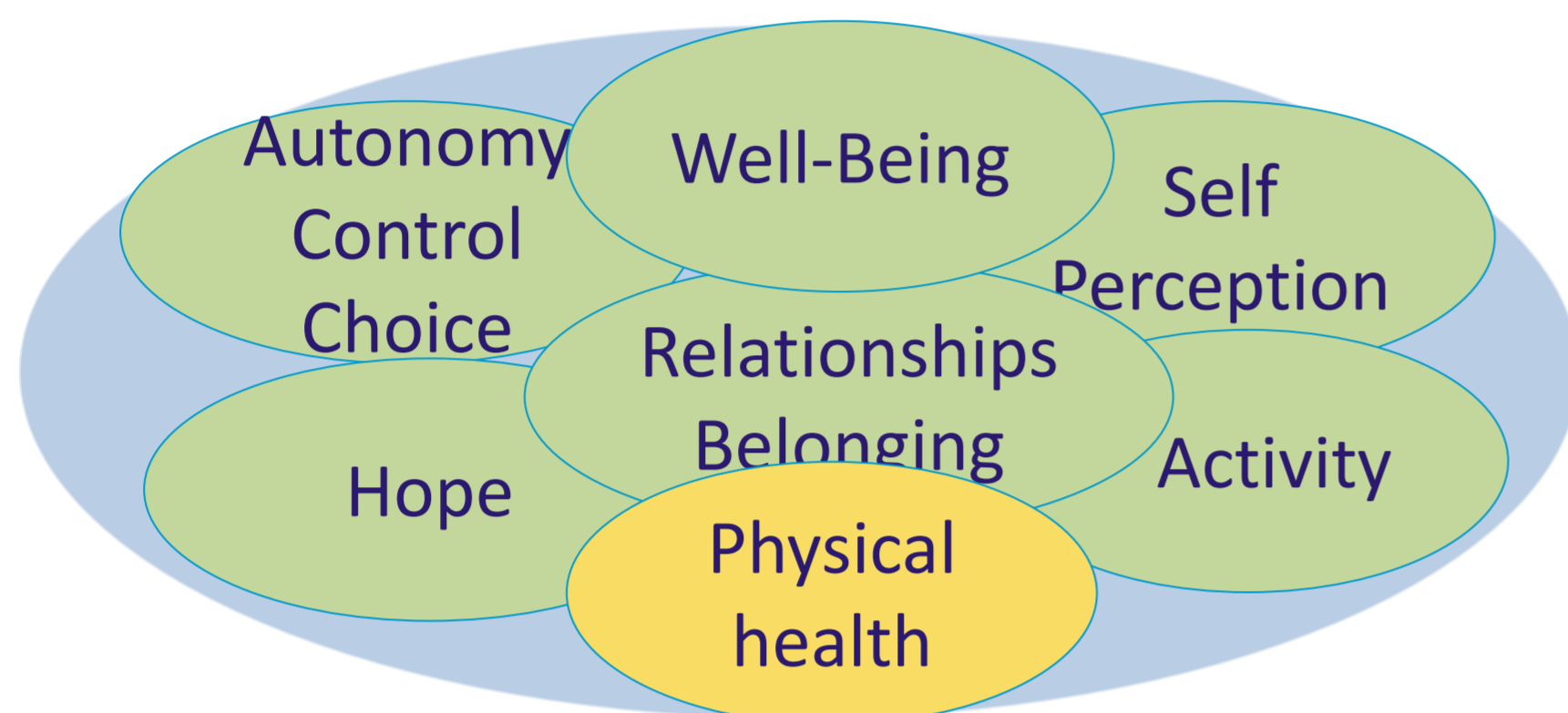
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AIM: To develop a classification amenable to valuation for use in mental health as it has been recognised that EQ-5D, the most widely used generic measure used in the UK, is not appropriate in many areas of mental health.

Stage 1: Identifying Domains

Systematic qualitative literature review
Qualitative interviews (n = 19)

7 themes identified: 6 mental health and 1 physical health Connell et al. (2014, 2012)



Stage 2: Generating item pool

1597 Items were generated from: interview manuscripts, additional items from users and existing instruments

Stage 3: Face and content validity

Individual interviews and focus groups with service users: adults (n = 59); adolescents (n = 17); Polish and Urdu speakers (n = 15)
Translatability assessment conducted by MAPI

Service users added a further 10 items and the Scientific Group reduced the number of items using all available evidence

61-item ReQoL

Stage 4: Field testing

61-item ReQoL administered (n = 2262)
Exploratory Factor Analysis
Item Response Theory

Two factors identified: negatively worded and positively worded items. 21 items eliminated

40-item ReQoL

Stage 5: Further field testing

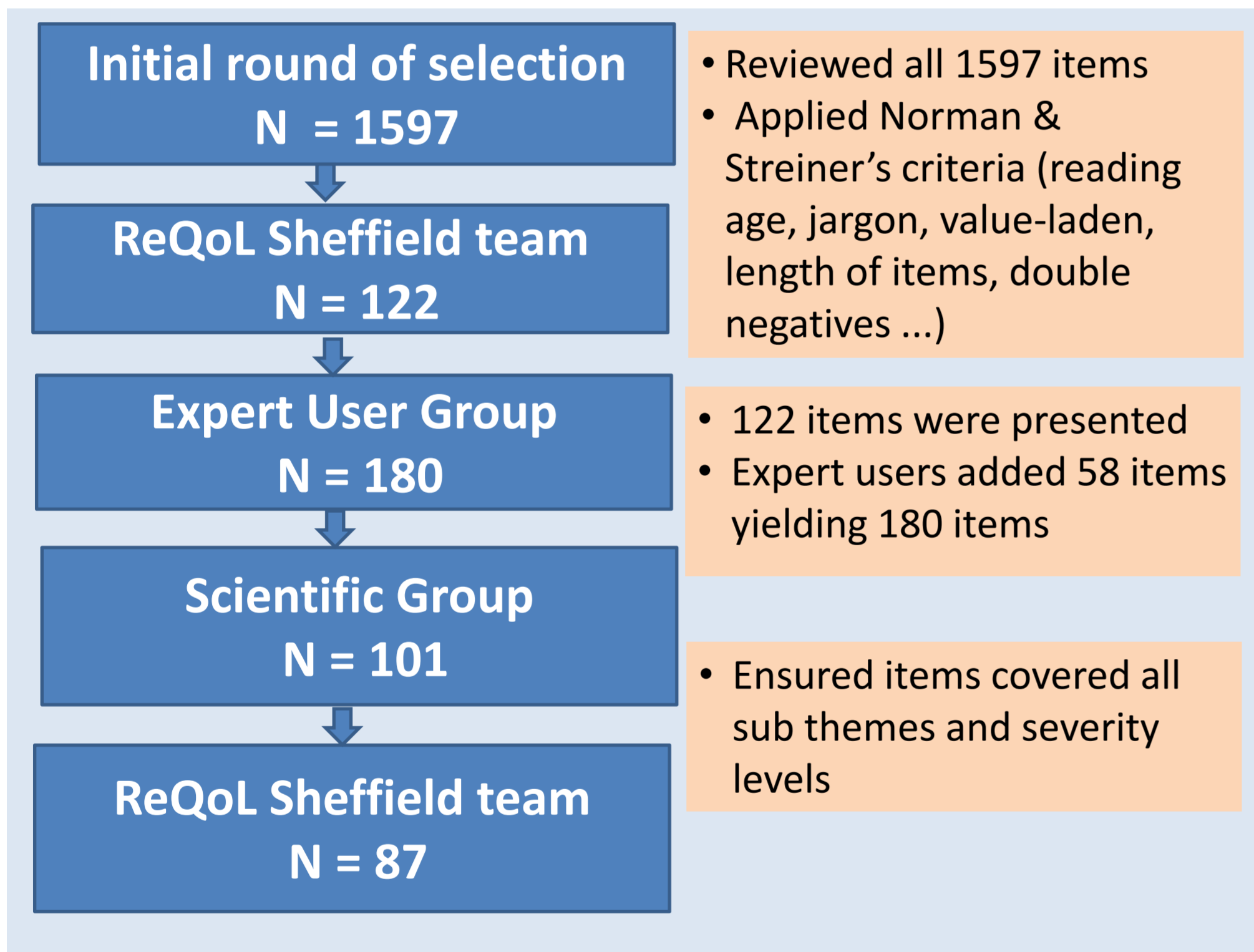
40 -item ReQoL administered at baseline (n = 4253) and follow-up (n = 1153)
Exploratory Factor Analysis,
Item Response Theory, Responsiveness

Factor analysis results: Bifactor model (global and method factors) and two-factor model provide best fit

Stage 6: Further face and content validity

6 Focus groups with a total of 35 mental health clinicians across professions

Participants chose their preferred items for each domain from the 40-item ReQoL



FINAL ITEM SELECTION: Principles

- All 6 mental health domains are to be represented in the final version of the ReQoL
- All items must have service user acceptability and clinician acceptability
- All items must demonstrate acceptable psychometric properties following the application of multiple analyses

Combining qualitative and quantitative evidence, the final 10-item ReQoL was constructed. It contains:

- 10 mental health items (5 frequency-based response options) and 1 optional physical health item (5 severity-based response options)
- 4 negatively worded and 6 positively worded items
- a recall period of 1 week

NEXT STEP: Preference weights for the ReQoL to generate QALYs

For further information about ReQoL, please contact Anju Keetharuth
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