

Estimating a Preference-Based Index from the Recovering Quality of Life measure for economic evaluation in the area of mental health: Valuation of ReQoL-UI



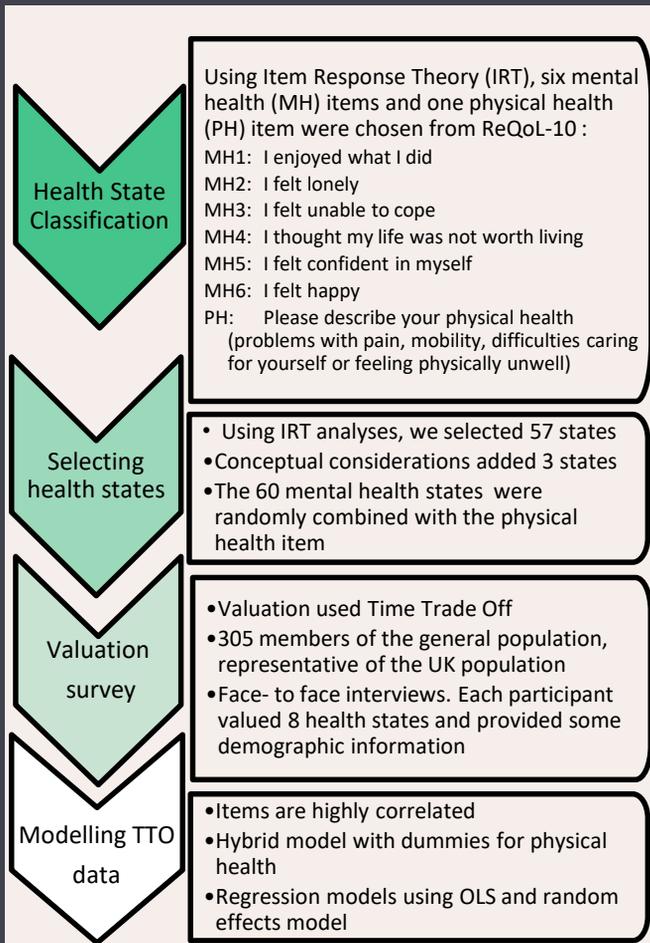
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AIMS

The ReQoL is an outcome measure specifically developed and worded for use in mental health populations. Preference weights have been generated for the ReQoL-UI to allow the calculation of Quality Adjusted Life Years to better capture health benefits in the economic evaluation of mental health interventions.

METHODS



RESULTS

Fig 1. Preferred random effect model to predict utilities

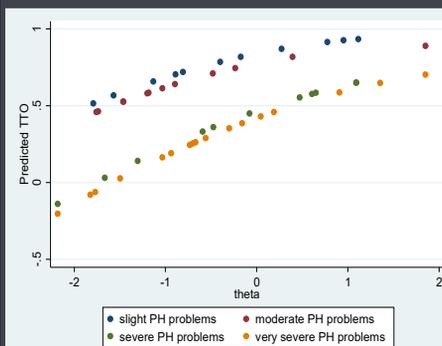
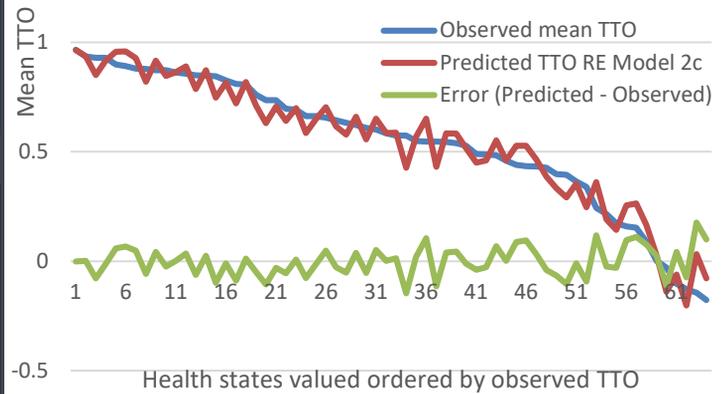


Fig. 2 Mean Predicted TTO modelled based on Random Effect Model, using rescaled IRT scores of the mental health state and the response level of the physical item

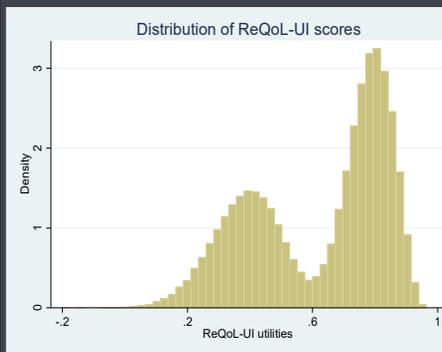


Fig. 3 shows a bi-modal distribution for all theoretically possible 15,625 health states. The lowest and highest ReQoL-UI scores are -0.202 and 0.964 respectively.

CONCLUSION

The valuation of the ReQoL-UI produced a valid model for use in cost utility analysis (CUA). Over half of the weight is attributed to the mental health of the individual alone which is likely to better capture benefits of interventions designed to improve mental health. Further research is recommended to compare the performance of ReQoL-UI with other preference-based measures commonly used in CUA of mental health interventions. The algorithm can be obtained from the developers.

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