

OPUF: A NEW ONLINE TOOL FOR VALUING HEALTH STATES

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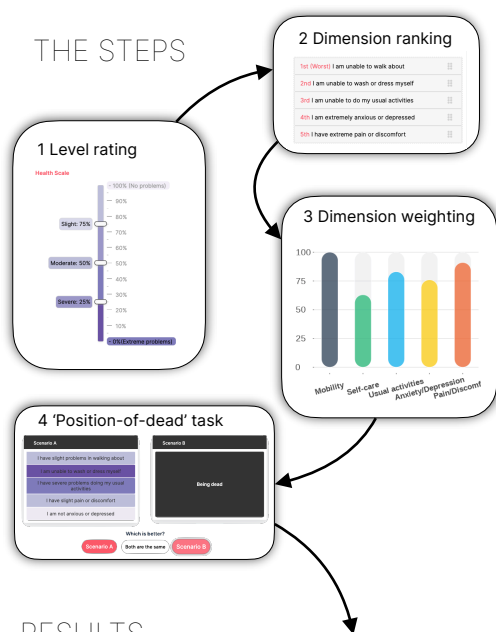
INTRODUCTION

- Standard health valuation methods, such as TTO and DCE are inefficient: hundreds if not thousands of participants are needed to estimate value sets.
- We developed a new online tool (O-PUF) for valuing EQ-5D-5L health states, using compositional preference elicitation methods.
- The tool allows the estimation of value sets on the individual level.
- We piloted the OPUF tool in qualitative online interviews and then tested it in a sample on 50 participants from the UK, recruited through the prolific platform.

METHODS

- The OPUF Tool is based on a study by Devlin et al., which successfully pioneered the 'PUF' method in face-to-face interviews.
- We used an iterative design approach to adapt the PUF method, for online use and for the EQ-5D-5L.
- The presentation of the exercises and technical aspects of the tool were tested in three rounds of online interviews and then tested in a soft launch.

THE STEPS



RESULTS

- We were able to construct personal utility functions for 46 (92%) participants, as well as the group.
- The results revealed that health state preferences differ considerably between individuals.

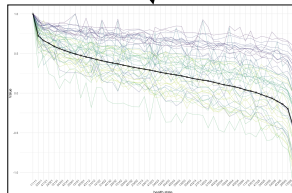


Figure 1: Social (thick line) and 46 personal utility functions (thin lines) for 50 health states.

- Even though the development of the online tool is in an early stage and further refinement is required, we see several potential applications for the OPUF approach.

The **OPUF Tool** is a new type of online survey to derive value sets for the EQ-5D-5L.

It allows estimating social as well as **personal utility functions**.

Try the demo version at:
opuf.shinyapps.io/eq5d5l_dev/



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