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Methodology for Scoring the EQ-5D

The EQ-5D yields a quality weight used to calculate quality adjusted life years. The new EQ-5D consists of five questions, each offering five possible responses, yielding 3125 health states. These health states must be converted into quality weights through a scoring algorithm. Methodology for creating the algorithm is lacking. The input data to the algorithm will consist of discrete choice experiments, with some time-trade-off tasks. This suggests using Generalised Linear Mixed Models to construct latent utilities, and regression to map onto utilities. The performance of these methods under varying inter-rater agreement and sample sizes is explored through simulation.