# Preference based scoring algorithms for KHQ questionnaire for calculating QALYs

**The algorithm presented here provides a means of converting the King's Health Questionnaire into a preference-based single index measure of health that can be used to obtain quality adjusted life years (QALYs) from KHQ data for use in cost utility analysis.**

The King's Health Questionnaire was designed to assess the quality of life of women with urinary incontinence and LUTS (Kelleher et al, 1997). It has 21 items covering 8 dimensions of health and each domain has a score of 0 to 100 of health (see attached for scoring algorithm).

Whilst such scores provide an excellent means for judging the effectiveness of health care interventions, they have only a limited application in economic evaluation because they are not based on preferences. The algorithm presented here provides a means of converting the KHQ into a preference-based single index measure of health that can be used to obtain quality adjusted life years (QALYs) from KHQ data for use in cost utility analysis.

### References


1. Kelleher, Symonds , Brown M, , Roberts, Czoski-Murray , Brazier(Jan 2008) , http://journals.sagepub.com/doi/abs/10.1177/0272989X07301820?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub%3Dpubmed&, Medical Decision Making, 28(1), 113-26


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