

## AQoL-8D scoring algorithm (Instruction)

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\* **AQoL-8D Scoring Algorithm for AQoL-8D Questionnaire (modified on 23 MARCH 2017)**

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\* Note: This algorithm is an interim release and may be changed without notice.

\* Researchers should check with the AQoL Group at Centre for Health Economics, Monash University

\* **Note: Modification made: inclusion of 'once or twice a week' in 'Serious pain'**

\* **Note: Use the AQoL-8D Data Collection copy to collect data.**

\* Note: AQoL-8D utility scores are scaled such that the worst health state" = 0.09 (where Death = 0.00).

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\* Contact person: Dr Gang Chen (gang.chen@monash.edu)

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\* Data preparation:

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\* **To use this algorithm, the 35 AQoL-8D items (variables) in your database should be named as**

\* **"aqol1, aqol2 ...aqol35".**

\* **The item responses should be entered as 1, 2, 3 etc according to the presentation order in the questionnaire.**

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\* Missing Values:

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\* **Missing data are represented by a blank (or dot) and are handled by imputing values within each dimension.**

\* Dimensions with 3-4 items will allow for 1 missing value to be imputed,

\* Dimensions with 7-8 items will allow for 2 missing values.

\* However, if more item responses in the dimensions are missing the observations will be dropped

\* and there will not be a dimension score or an instrument score for the individual.

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### To use the algorithm:

**Step 1:** Open your SPSS or STATA data file containing the AQoL data

**Step 2 (SPSS):** Select *File -> Open -> Syntax* and open the syntax file from the folder you have just unzipped.

*Next, Select Run -> All*

**Step 2 (STATA):** Click *File -> Do ->* and select the syntax file from the folder you have just unzipped

This will produce an output file containing the results of the algorithm and some descriptive statistics. In your data file there will be new variables and the final column will be the AQoL utility score.

Please [contact the AQoL team](#) (Dr Gang Chen, Email: [gang.chen@monash.edu](mailto:gang.chen@monash.edu)) if you experience any problems executing the algorithm.

*Last updated by Dr Gang Chen, 15 May 2018*