

EORTC QLU-C10D value sets for Austria, Italy, and Poland, Quality of Life Research,
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* Example code for converting EORTC QLQ-C30 data into QLU-C10D utility scores
* written for SPSS by Eva Gamper, February 2020
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* For further details of the QLU-C10D, see the following papers:
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* King MT, et al Derivation of the health state classification system for the
* QLU-C10D, an internationally-valid cancer-specific multi-attribute utility
* instrument derived from the EORTC core quality of life questionnaire, QLQ-C30.
* Quality of Life Research. 2016; 25(3): 625-636. DOI 10.1007/s11136-015-1217-y
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* Norman R, et al. Using a discrete choice experiment to value the QLU-C10D:
* Feasibility and sensitivity to presentation format. Quality of Life Research.
* 2016; 25(3): 637-649. DOI 10.1007/s11136-015-1115-3
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* The utility algorithms reported in this code are based on the monotonicity
adjusted
* values as reported by Gamper et al. in "EORTC QLU-C10D value sets for Austria,
Italy, and Poland"
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* This code is written for SPSS users, and notes are added throughout to allow
* conversion to other software as required.
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* Assumption: For this codes to work, it is assumed that the EORTC QLQ-C30 code
* is set up as thirty columns, labelled qlq1-qlq30 (in the order as given in the
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EXECUTE.

```
IF (qlq11=1) sl = 0 .  
IF (qlq11=2) sl = 0.022 .  
IF (qlq11=3) sl = 0.034 .  
IF (qlq11=4) sl = 0.039 .  
EXECUTE.
```

```
IF (qlq13=1) ap = 0 .  
IF (qlq13=2) ap = 0.049 .  
IF (qlq13=3) ap = 0.049 .  
IF (qlq13=4) ap = 0.061 .  
EXECUTE.
```

```
IF (qlq14=1) na = 0 .  
IF (qlq14=2) na = 0.029 .  
IF (qlq14=3) na = 0.074 .  
IF (qlq14=4) na = 0.108 .  
EXECUTE.
```

```
IF (qlq16=1 & qlq17=1) bo = 0 .  
IF (qlq16=2 | qlq17=2) bo = 0.022 .  
IF (qlq16=3 | qlq17=3) bo = 0.061 .  
IF (qlq16=4 | qlq17=4) bo = 0.069 .  
EXECUTE.
```

```
COMPUTE QLUC10D_AUTV2 = 1- (pf + rf + sf + ef + pa + fa + sl + ap + na + bo) .  
FORMATS QLUC10D_AUTV2 (F8.3).  
EXECUTE.
```

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*****  
* The new variable QLUC10D_AUTV2 is a utility score where full health  
(i.e. level 1 in each of the utility levels) is scored at 1, and the minimum  
score  
(i.e. each utility level is at 4) is -0.111. These data can now be used to  
* construct quality-adjusted life years (QALYs) for cost-utility analysis.  
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