THE EATING DISORDER EXAMINATION-QUESTIONNAIRE 8

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Title: The Eating Disorder Examination-Questionnaire 8: A Brief Measure of Eating Disorder Psychopathology (EDE-Q8)

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BRIEF REPORT

Abstract

Objective: The aim of this study was to develop, evaluate, and standardize a short form of the well-established *Eating Disorder Examination-Questionnaire* (*EDE-Q*). The newly developed *EDE-Q8* was required to reflect the originally postulated structure of the *EDE-Q*.

Method: Data were drawn from two nationwide representative population surveys in Germany: a survey conducted to develop the *EDE-Q8* in 2009 (*N* = 2520); and a survey conducted in 2013 (*N* = 2508) for the evaluation and calculation of *EDE-Q8* percentiles.

Results: The *EDE-Q8* had excellent item characteristics, very good reliability and a very good model fit for the postulated second-order factorial structure. Furthermore, a strong correlation between the *EDE-Q8* and a 13 item short form of the *Eating Attitudes Test* was observed.

Discussion: The *EDE-Q8* appears to be particularly suitable in epidemiological research, when an economical assessment of global eating disorder psychopathology is required.

<u>Keywords:</u> Eating disorder psychopathology, Eating disorder, Eating Disorder Examination-Questionnaire (EDE-Q), Symptom assessment, Obesity

Introduction

The Eating-Disorder-Examination-Questionnaire (EDE-Q; 1) is a well-established self-report questionnaire for the comprehensive assessment of eating disorder (ED) psychopathology. It is based on the *Eating Disorder Examination* (EDE; 2), a structured clinical interview, considered the method of choice for diagnosis and assessment of EDs. The *EDE-Q* consists of 22 items allocated to four subscales (restraint, eating concern, weight concern, shape concern). Items refer to the last 28 days and are rated on seven-point rating scales (0 = *characteristic was not present* to 6 = *characteristic was present every day* or *in extreme form*). Subscale scores and a mean global score of the overall ED psychopathology can be calculated. Six additional key behavioral items measure diagnostically relevant information, e.g., binge eating, self-induced vomiting, laxative misuse, or excessive exercising. Psychometric quality of the *EDE-Q* is well-established (3). There is evidence of construct validity, sensitivity to change, and diagnostic efficiency.

With a total of 28 items, the EDE-Q is of limited suitability in epidemiological research, primary care, and other clinical settings in which assessment burden is a concern. Grilo and colleagues (4) recently suggested a 7-item 3-factor brief form of the EDE interview on the basis of an exploratory factor analysis in a sample of mostly female binge-eating disorder patients. Though confirming the 7-item 3-factor structure of the questionnaire in two different samples (5) that were again predominantly female, it was not assessed whether the items chosen allowed for the computation of a global score and how closely the short form resembles the long form. Hence, the aim of this study was to develop a short form of the *EDE-Q* for a condensed assessment of the global ED psychopathology while retaining the original factor structure using representative population samples.

Method

Phase 1: Development of the Short Form of the EDE-Q

The development of the short form was based on data from a representative sample of the German population from 2009 (N = 2520; for further detail see 6, 7 and Table 1). Criteria for the shortened scale were: (a) optimal internal consistency as indicated by Cronbach's α , (b) uni-dimensionality (necessary to calculate a global score), (c) a small number of items to provide an economical assessment, and (d) containing the same number of items from each of the originally postulated dimensions.

The *alphamax* macro for SPSS (8, see 9 for an example) calculates Cronbach's α for any possible combination of item subsets of a given number. It can thus be used for scale-shortening in order to identify combinations of items that result in an optimal α coefficient. Subsequently, confirmatory factor analyses (CFA) were conducted to compare potential shortened item sets.

Based on these criteria, 8 items were selected. This short scale showed a very strong correlation with the *EDE-Q* global score (r = .97; p < .001) as well as with the *EDE-Q* global score not including the items of the short form (r = .90; p < .001). The newly created questionnaire (*EDE-Q8*) was subsequently analyzed and standardized in a separate survey.

Phase 2: Validation Study

An initial sample of 4360 individuals representative of the Federal Republic of Germany was selected using a random route procedure in combination with a Kish selection grid (for further detail see 9). Participants were contacted at home. A total of 2508 individuals (response rate = 57.5%) participated in the study (54.0% female). Main reasons for non-participation were refusal to participate (13.6%) and absence during all 4 visits (12.9%) Participants' age ranged from 14 to 92 years (M = 49.67, SD = 18.32). Sample characteristics are displayed in Table 1. The study was approved by the Ethics Committee of the Medical

Faculty of the University of Leipzig (Az.: 050/13-03.05.2013). Informed consent was obtained from each participant (for minor participants, informed consent was additionally obtained from one parent).

Measures

The German version of the EDE-Q (6, 10) was used. Correlation coefficients with several risk factors for ED psychopathology, such as female gender, younger age, and obesity $(BMI \ge 30 \text{ kg/m}^2)$ were computed. To examine convergent validity and construct validity of the *EDE-Q8*, correlations with the *EAT-13* (11; short form of the Eating Attitudes Test; 12), the *Patient Health Questionnaire-2* depression scale (PHQ-2) (13), and the *Generalized Anxiety Disorder-2* scale (GAD-2) (13) were computed.

Statistical Analyses

At the item level, means, standard deviations, item difficulties, and item-total correlations were determined. Missing data (0.1% to 0.4% per item) were imputed using chained equation modeling (14) based on the following variables: gender, age, income, education, and partnership status. Predictive mean matching was used for imputation (i.e., only realistic values were computed).

Factorial validity was analyzed using CFA. Two different models were tested: (a) the simple general factor model with all items loading on one factor, (b) a higher order general factor model with four first-order factors comprising the postulated subscales. Robust maximum likelihood estimation with the mean-adjusted Satorra-Bentler χ^2 test statistic was used (15). To evaluate goodness of fit of the relevant model, we considered four different criteria. Although the *Standardized Root Mean Square Residual* (SRMR), *Root Mean Square Error of Approximation* (RMSEA), and 90% confidence interval assess absolute model fit, the two additionally calculated criteria [*Comparative Fit Index* (CFI) and *Tucker Lewis Index*

(TLI)] are measures of relative model fit, compared with the "null" model. RMSEA and SRMR values of < .080 as well as CFI and TLI scores > .900 are suggested for a good model fit (16).

Measurement invariance tests across gender, age, weight status, educational level, and household income were conducted in accordance with the sequential strategy developed by Meredith and Teresi (17, for definition of variables see Table 1). As recommended by Chen (18), a change of Δ CFI \leq -.010 in CFI, supplemented by a change of Δ RMSEA \geq .015, was regarded as indicative of non-invariance. Data analysis was carried out using the *R* packages *lavaan* (19) and *mice* (20).

Results

Item Characteristics

Table 2 displays means, standard deviations, item difficulties, and corrected item-total correlations for the EDE-Q8 items. The mean global score of the EDE-Q8 was 0.94 (SD = 1.14). At the item level, there were significant differences between men and women, however, with small effect sizes (d = 0.19 to 0.44). A two-factorial analysis of variance with the factors gender and age resulted in a significant interaction effect (F(6, 2480) = 3.61; p < .001). Age- and gender-specific norms are provided in Appendix A of the online supplement.

Internal Consistency

With regard to the global score of the *EDE-Q8*, the internal consistency for the total sample was $\alpha = .93$ (men: $\alpha = .92$; women: $\alpha = .93$).

Factorial Validity

CFA revealed good fit parameters for the second-order general factor model (*SRMR* = .044; *RMSEA* = .079, 90% CI [.074; .084]; *CFI* = .950; *TLI* = .922). The simple general factor model produced a worse model fit (SRMR = .065; RMSEA = .116, 90% CI [.109, .124), CFI

= .769, TLI = .676) and was therefore rejected. Second-order corrected factor loadings were medium to high (.50 to .91). A figure with detailed results can be found in Appendix B of the online supplement.

Measurement invariance analyses indicated strict invariance for all of the analyzed subgroups. A table with detailed results can be found in Appendix C of the online supplement.

Construct Validity

Correlations of the EDE-Q8 with other test scores as well as gender, age, and weight status were calculated. The correlation coefficients are as follows: EAT-13: r = .75; p < .001; PHQ-2: r = .25; p < .001; GAD-2: r = .27; p < .001; gender: r = .22; p < .001; weight status: r = .28; p < .001. There were no significant correlations between the EDE-Q8 and age (r = .01); p = .664.

Discussion

In this study, an eight item short form of the *EDE-Q* was developed and evaluated using two separate representative German population samples. Internal consistency of the short form was satisfactory. Strict measurement invariance was found for various sample characteristics using second-order CFA. Regarding the construct validity, convergent validity of the *EDE-Q8* with another ED measure was satisfactory.

Limitations

The response rate was relatively low (57.5%), which is, however, common in general population research (9). Despite the sample's representativeness, obese as well as underweight individuals were slightly underrepresented when compared to the 2013 German census of the Federal Statistics Office. We addressed this shortcoming by providing weighted norms based on the actual distribution of weight categories as obtained by the Federal

Statistics Office (see online supplement Appendix D). As the key behavioral items of the EDE-Q (binge eating, purging, exercising) are not included in the calculation of the global score, they were not incorporated in the EDE-Q8. However, for clinical purposes these items should be assessed in addition to the EDE-Q8.

Conclusions

Self-report instruments are more economical, allow for group assessment, and record painful and shame-ridden experiences less intrusively than diagnostic interviews (6). Therefore, the *EDE-Q8* appears to be particularly suitable within an epidemiological framework as well as in treatment evaluation, especially if face-to-face interviews or more extensive instruments cannot be applied due to a lack of time or financial reasons. Based on good psychometric properties, including an excellent correlation with the *EDE-Q* the use of the *EDE-Q8* appears to be appropriate. Future research is warranted to compare and evaluate the existing *EDE-Q* short forms in different samples.

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 $\ \, \textbf{TABLE 1. Demographic characteristics of the study samples} \\$

| | | Phase 2 | | | Phase 1 | |
|--------------------|------------|--------------|-----------|------------|----------|------------|
| | Total | Men | Women | Total | Men | Women |
| | Sample | (<i>N</i> = | (N = | Sample | (N=1166) | (N=1354) |
| | (N = 2508) | 1174) | 1334) | (N=2520) | | |
| Age | | | | | | |
| Mean (SD) | 49.67 | 49.16 | 50.12 | | 49.90 | 51.02 |
| | (18.30) | (18.18) | (18.44) | | (18.50) | (18.66) |
| Median | 50 | 50 | 50 | 51 | 50 | 51 |
| Range | 14-92 | 14 -92 | 14-92 | 14-95 | 14-95 | 14-93 |
| Age group, $N(\%)$ | | | | | | |
| < 25 years | 257 (10.2) | 134 | 123 (9.2) | 270 (10.7) | 133 | 137 (10.1) |
| | | (11.4) | | | (11.4) | |
| 25 to 34 years | 360 (14.4) | 152 | 208 | 293 (11.6) | 132 | 161 (11.9) |
| | | (12.9) | (15.6) | | (11.3) | |
| 35 to 44 years | 382 (15.2) | 180 | 202 | 410 (16.3) | 201 | 209 (15.4) |
| | | (15.3) | (15.1) | | (17.2) | |
| 45 to 54 years | 445 (17.7) | 213 | 232 | 436 (17.3) | 198 | 238 (17.6) |
| | | (18.1) | (17.4) | | (17.0) | |
| 55 to 64 years | 454 (18.1) | 225 | 229 | 416 (16.5) | 181 | 235 (17.4) |
| | | (19.2) | (17.2) | | (15.5) | |
| 65 to 74 years | 381 (15.2) | 177 | 204 | 443 (17.6) | 232 | 211 (15.6) |
| | | (15.1) | (15.3) | | (19.9) | |
| ≥ 75 years | 229 (9.1) | 93 (7.9) | 136 | 252 (10.0) | 89 (7.6) | 163 (12.0) |
| | | | (10.2) | | | |
| | | | | | | |

| Weight s | tatus N | (%) |
|----------|---------|-----|
|----------|---------|-----|

| Underweight (< 18.5 | 24 (1.0) | 3 (0.3) | 21 (1.6) | 51 (2.0) | 15 (1.3) | 36 (2.7) |
|------------------------------------|----------------------|---------------------|----------------------------|-------------|--------------------|---------------|
| kg/m²) | | | | | | |
| Normal weight (18.5 | 1231 (49.1) | 494 | 737 | 1241 (29.3) | 503 | 738 (54.5) |
| to 24.9 kg/m2) | | (42.1) | (55.2) | | (43.1) | |
| Overweight (25.0 | 999 (39.8) | 565 | 434 | 922 (36.6) | 527 (45- | 395 (29.2) |
| to 29.9 kg/m2) | | (48.1) | (32.5) | | 2) | |
| Obesity (≥ 30 kg/m2) | 239 (9.6) | 107 (9.1) | 132 (9.9) | 268 (10.6) | 111 (9.5) | 157 (11.6) |
| Missing | 15 (0.6) | 5 (0.4) | 10 (0.7) | 38 (1.5) | 10 (0.9) | 28 (2.1) |
| Living with a partner, | 1315 (52.4) | 663 | 652 | 1433 (56.9) | 720 | 713 (52.7) |
| <i>N</i> (%) | | (56.5) | (48.9) | | (61.7) | |
| Education, $N(\%)$ | | | | | | |
| ≤8 years | 67 (2.7) | 29 (2.5) | 38 (2.8) | 51 (2.0) | 19 (1.6) | 32 (2.4) |
| 9 to 11 years | 1810 (72.2) | 810 | 1000 | 1954 (77.5) | 877 | 1077 |
| | | (69.0) | (75.0) | | (75.2) | (79.5) |
| ≥ 12 years | 543 (21.7) | 284 | 259 | 411 (16.3) | 220 | 191 (14.1) |
| | | (24.2) | (10.4) | | | |
| | | (24.2) | (19.4) | | (18.9) | |
| Current student | 78 (3.1) | 45 (3.8) | (19.4) | 104 (4.1) | (18.9) 50 (4.3) | 54 (4.0) |
| Current student Missing | 78 (3.1) 10 (0.4) | , , | , , | 104 (4.1) | ` , | 54 (4.0) 0 |
| | | 45 (3.8) | 33 (2.5) | , , | 50 (4.3) | , , |
| Missing | | 45 (3.8) | 33 (2.5) | , , | 50 (4.3) | , , |
| Missing Household income per | | 45 (3.8) | 33 (2.5) | , , | 50 (4.3) | , , |
| Missing Household income per month | 10 (0.4) | 45 (3.8) 6 (0.5) | 33 (2.5) 4 (0.3) | 0 | 50 (4.3) | 0 |
| Missing Household income per month | 10 (0.4) | 45 (3.8) 6 (0.5) | 33 (2.5) 4 (0.3) 320 | 0 | 50 (4.3) 0 | 0 |

| >2500 € | 769 (97.0) | 417 | 352 | 622 (24.7) | 287 | 335 (24.7) |
|---------|------------|----------|----------|------------|----------|------------|
| | | (35.5) | (26.4) | | (24.6) | |
| Missing | 6 (3.0) | 33 (2.8) | 43 (3.2) | 78 (3.1) | 46 (3.9) | 32 (2.4) |

TABLE 2. Mean (M), standard deviation (SD), item difficulty (p_i) , item-total correlation (r_{it}) , and gender differences for the EDE-Q8 items and global score

| | | Tota | ıl | | | Mei | 1 | | | Wom | en | | | | Group D | ifferences |
|----------------|------|------|-------|----------|------|------|-------|----------|------|------|-------|----------|-------|------|---------|------------|
| | M | SD | P_i | r_{it} | M | SD | P_i | r_{it} | M | SD | P_i | r_{it} | t | df | p | d |
| Restraint over | 0.97 | 1.72 | 16 | .74 | 0.71 | 1.52 | 12 | .69 | 1.20 | 1.85 | 20 | .75 | -7.24 | 2423 | <.001 | 0.29 |
| Eating | | | | | | | | | | | | | | | | |
| Food Avoidance | 0.89 | 1.64 | 15 | .73 | 0.60 | 1.40 | 10 | .73 | 1.15 | 1.79 | 19 | .72 | -8.48 | 2423 | < .001 | 0.34 |
| Preoccupation | 0.39 | 1.09 | 7 | .54 | 0.28 | .92 | 5 | .53 | 0.48 | 1.20 | 8 | .53 | -4.73 | 2423 | < .001 | 0.19 |
| with Food | | | | | | | | | | | | | | | | |
| Feelings of | 1.04 | 1.90 | 17 | .83 | 0.68 | 1.56 | 11 | .80 | 1.35 | 2.11 | 23 | .84 | -8.93 | 2423 | < .001 | 0.36 |
| Fatness | | | | | | | | | | | | | | | | |
| Desire to Lose | 1.05 | 1.91 | 18 | .89 | 0.67 | 1.52 | 11 | .84 | 1.39 | 2.14 | 23 | .87 | -9.64 | 2423 | < .001 | 0.39 |
| Weight | | | | | | | | | | | | | | | | |

TABLE 2. Mean (M), standard deviation (SD), item difficulty (p_i) , item-total correlation (r_{it}) , and gender differences for the EDE-Q8 items and global score (continued)

| | | Tota | ıl | | | Men | 1 | | | Wom | en | | | | Group D | ifferences |
|-----------------|------|------|-------|----------|------|------|-------|----------|------|------|-------|----------|-------|------|---------|------------|
| | M | SD | P_i | r_{it} | M | SD | P_i | r_{it} | M | SD | P_i | r_{it} | t | df | p | d |
| Guilt about | 0.64 | 1.21 | 11 | .79 | 0.40 | .99 | 7 | .81 | 0.84 | 1.35 | 14 | .77 | -9.19 | 2423 | <.001 | 0.37 |
| Eating | | | | | | | | | | | | | | | | |
| Dissatisfaction | 1.37 | 1.90 | 23 | .82 | 0.99 | 1.65 | 17 | .79 | 1.70 | 2.04 | 28 | .82 | -9.52 | 2423 | < .001 | 0.38 |
| with Weight | | | | | | | | | | | | | | | | |
| Discomfort | 1.20 | 1.76 | 20 | .81 | 0.81 | 1.47 | 14 | .77 | 1.55 | 1.92 | 26 | .82 | _ | 2423 | < .001 | 0.44 |
| Seeing Body | | | | | | | | | | | | | 10.87 | | | |
| Global mean | 0.94 | 1.14 | 16 | - | 0.64 | 1.12 | 11 | - | 1.21 | 1.50 | 20 | - | _ | 2423 | < .001 | 0.43 |
| core | | | | | | | | | | | | | 10.54 | | | |

Appendix A. Normative data from the general population (N = 2508) for the *EDE-Q8*

| | | | | | Men | | | | | | | Women | | | |
|--------|----------------|-------|----------------|-------|-------|-------|-------|------|-------|-------|-------|-------|----------|-------|--------|
| EDE-Q8 | Total 14 to | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | ~ 75 v |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 6 4 y | 74 y | ≥ 75 y |
| | <i>N</i> = | N = | N 150 | N= | N = | N= | N= | N = | N= | N= | N = | N = | N= | N= | N= |
| | 2508 | 134 | <i>N</i> = 152 | 180 | 213 | 225 | 177 | 93 | 123 | 208 | 202 | 232 | 229 | 204 | 136 |
| .00 | 41 | 63 | 61 | 50 | 49 | 48 | 44 | 43 | 30 | 36 | 31 | 31 | 29 | 34 | 39 |
| .13 | 45 | 65 | 66 | 57 | 53 | 50 | 50 | 46 | 33 | 40 | 32 | 36 | 32 | 39 | 47 |
| .25 | 52 | 73 | 74 | 64 | 60 | 56 | 58 | 58 | 39 | 44 | 38 | 42 | 37 | 43 | 55 |
| .38 | 56 | 77 | 78 | 71 | 63 | 58 | 62 | 58 | 39 | 50 | 42 | 48 | 41 | 48 | 59 |
| .50 | 59 | 78 | 80 | 75 | 66 | 64 | 67 | 58 | 44 | 52 | 46 | 52 | 45 | 53 | 63 |
| .63 | 62 | 80 | 81 | 78 | 70 | 67 | 70 | 62 | 46 | 55 | 50 | 54 | 50 | 56 | 65 |
| .75 | 66 | 83 | 83 | 81 | 76 | 71 | 73 | 63 | 48 | 58 | 53 | 58 | 56 | 61 | 67 |
| .88 | 69 | 87 | 84 | 83 | 77 | 74 | 75 | 69 | 53 | 60 | 58 | 62 | 58 | 63 | 71 |

Appendix A. Normative data from the general population (N = 2508) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | | | |
|--------|----------------|-------|----------------|-------|-------|-------|-------|------|-------|-------|-------|-------|---------|-------|--------|
| EDE-Q8 | Total 14 to | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 14 to | 25 to | 35 to | 45 to | 55 to 6 | 65 to | ≥ 75 y |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 4 y | 74 y | = 75 y |
| | N = | N = | N 150 | N= | N= | N= | N= | N = | N= | N= | N= | N = | N= | N= | N= |
| | 2508 | 134 | <i>N</i> = 152 | 180 | 213 | 225 | 177 | 93 | 123 | 208 | 202 | 232 | 229 | 204 | 136 |
| 1.00 | 71 | 88 | 85 | 85 | 79 | 77 | 77 | 72 | 56 | 62 | 62 | 65 | 61 | 66 | 72 |
| 1.13 | 73 | 88 | 88 | 86 | 82 | 79 | 78 | 74 | 59 | 63 | 63 | 66 | 64 | 68 | 75 |
| 1.25 | 75 | 89 | 88 | 87 | 83 | 81 | 79 | 75 | 62 | 66 | 66 | 68 | 66 | 70 | 80 |
| 1.38 | 76 | 89 | 90 | 87 | 84 | 83 | 80 | 77 | 63 | 66 | 68 | 69 | 66 | 71 | 81 |
| 1.50 | 78 | 92 | 92 | 87 | 85 | 84 | 82 | 79 | 66 | 70 | 69 | 69 | 67 | 73 | 81 |
| 1.63 | 79 | 92 | 92 | 88 | 86 | 85 | 82 | 83 | 70 | 70 | 71 | 73 | 69 | 75 | 82 |
| 1.75 | 80 | 92 | 92 | 89 | 86 | 87 | 83 | 84 | 72 | 70 | 72 | 74 | 70 | 75 | 83 |
| 1.88 | 81 | 92 | 93 | 90 | 86 | 87 | 83 | 85 | 73 | 73 | 75 | 75 | 72 | 75 | 85 |

Appendix A. Normative data from the general population (N = 2508) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | | | |
|--------|----------------|-------|----------------|-------|-------|-------|-------|------|-------|-------|-------|-------|---------|-------|---------------|
| EDE-Q8 | Total 14 to | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 14 to | 25 to | 35 to | 45 to | 55 to 6 | 65 to | ≥ 75 y |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 4 y | 74 y | ≥ 13 y |
| | N = | N = | N 150 | N = | N = | N= | N = | N = | N = | N= | N= | N = | N= | N = | N = |
| | 2508 | 134 | <i>N</i> = 152 | 180 | 213 | 225 | 177 | 93 | 123 | 208 | 202 | 232 | 229 | 204 | 136 |
| 2.00 | 82 | 93 | 94 | 90 | 87 | 88 | 84 | 85 | 75 | 75 | 77 | 75 | 72 | 77 | 86 |
| 2.13 | 83 | 93 | 94 | 91 | 88 | 89 | 86 | 87 | 76 | 75 | 79 | 77 | 72 | 79 | 87 |
| 2.25 | 84 | 93 | 95 | 91 | 89 | 90 | 87 | 87 | 78 | 78 | 79 | 77 | 73 | 80 | 88 |
| 2.38 | 85 | 95 | 95 | 92 | 91 | 90 | 90 | 87 | 79 | 79 | 81 | 79 | 74 | 82 | 89 |
| 2.50 | 86 | 95 | 95 | 92 | 92 | 90 | 90 | 89 | 80 | 80 | 81 | 80 | 75 | 83 | 89 |
| 2.63 | 87 | 95 | 96 | 94 | 93 | 91 | 91 | 90 | 80 | 81 | 83 | 80 | 78 | 83 | 89 |
| 2.75 | 88 | 95 | 97 | 94 | 93 | 92 | 91 | 90 | 80 | 82 | 85 | 82 | 79 | 84 | 90 |
| 2.88 | 89 | 96 | 97 | 95 | 93 | 92 | 92 | 90 | 82 | 84 | 86 | 83 | 81 | 84 | 92 |

Appendix A. Normative data from the general population (N = 2508) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | | | |
|--------|----------------|-------|----------------|-------|-------|-------|-------|------|-------|-------|-------|-------|----------|-------|--------|
| EDE-Q8 | Total 14 to | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 14 to | 25 to | 35 to | 45 to | 55 to | 65 to | > 75 v |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 6 4 y | 74 y | ≥ 75 y |
| _ | <i>N</i> = | N = | N 150 | N= | N = | N= | N= | N = | N= | N= | N = | N = | N= | N = | N = |
| | 2508 | 134 | <i>N</i> = 152 | 180 | 213 | 225 | 177 | 93 | 123 | 208 | 202 | 232 | 229 | 204 | 136 |
| 3.00 | 89 | 96 | 98 | 95 | 93 | 93 | 92 | 91 | 83 | 85 | 88 | 84 | 81 | 86 | 92 |
| 3.13 | 90 | 97 | 98 | 95 | 94 | 94 | 94 | 93 | 84 | 86 | 88 | 84 | 82 | 88 | 92 |
| 3.25 | 91 | 97 | 99 | 96 | 95 | 94 | 94 | 93 | 84 | 87 | 89 | 86 | 83 | 89 | 92 |
| 3.38 | 92 | 97 | 99 | 96 | 95 | 95 | 94 | 93 | 84 | 88 | 91 | 87 | 86 | 91 | 93 |
| 3.50 | 93 | 97 | 99 | 97 | 96 | 96 | 94 | 93 | 85 | 89 | 93 | 88 | 87 | 91 | 93 |
| 3.63 | 93 | 97 | 99 | 97 | 96 | 96 | 94 | 93 | 85 | 90 | 93 | 88 | 89 | 92 | 94 |
| 3.75 | 93 | 97 | 99 | 97 | 96 | 96 | 94 | 95 | 85 | 92 | 95 | 88 | 90 | 93 | 94 |
| 3.88 | 94 | 97 | 99 | 97 | 96 | 96 | 95 | 96 | 87 | 92 | 95 | 89 | 91 | 93 | 94 |

Appendix A. Normative data from the general population (N = 2508) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | | | |
|--------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------|---------------|---------------|---------------|---------------|-------------------|---------------|--------|
| EDE-Q8 | Total 14 to 91 y | 14 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | 14 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 6 4 y | 65 to 74 y | ≥ 75 y |
| | N = | N = | N = 152 | N= | N = | N = | N = | N = | N = | N = | N = | N = | N = | <i>N</i> = | N = |
| | 2508 | 134 | N = 132 | 180 | 213 | 225 | 177 | 93 | 123 | 208 | 202 | 232 | 229 | 204 | 136 |
| 4.00 | 94 | 97 | 99 | 97 | 96 | 96 | 95 | 97 | 87 | 94 | 96 | 90 | 91 | 94 | 94 |
| 4.13 | 95 | 99 | 99 | 97 | 97 | 96 | 95 | 97 | 88 | 94 | 96 | 91 | 93 | 95 | 94 |
| 4.25 | 96 | 99 | 99 | 98 | 98 | 96 | 97 | 98 | 89 | 95 | 97 | 93 | 95 | 95 | 95 |
| 4.38 | 96 | 99 | 99 | 98 | 98 | 96 | 97 | 99 | 89 | 95 | 98 | 94 | 95 | 96 | 95 |
| 4.50 | 97 | 99 | 99 | 98 | 98 | 97 | 97 | 99 | 89 | 96 | 98 | 94 | 96 | 96 | 97 |
| 4.63 | 97 | 99 | 99 | 99 | 98 | 97 | 97 | 99 | 91 | 96 | 98 | 95 | 97 | 96 | 97 |
| 4.75 | 98 | > 99 | 99 | 99 | 99 | 98 | 97 | 99 | 93 | 97 | 98 | 95 | 98 | 98 | 97 |
| 4.88 | 98 | > 99 | 99 | 99 | 99 | 98 | 97 | > 99 | 94 | 98 | 98 | 96 | 99 | 98 | 97 |
| 5.00 | 98 | > 99 | 99 | > 99 | 99 | 98 | 98 | > 99 | 94 | 99 | 99 | 96 | 99 | 98 | 97 |

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| 5.13 | 99 | > 99 | 99 | > 99 | 99 | 99 | 99 | > 99 | 95 | 99 | 99 | 97 | 99 | 99 | 98 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.25 | 99 | > 99 | 99 | > 99 | 99 | 99 | 99 | > 99 | 95 | > 99 | 99 | 97 | > 99 | 99 | 99 |
| 5.38 | 99 | > 99 | > 99 | > 99 | 99 | 99 | 99 | > 99 | 96 | > 99 | 99 | 98 | > 99 | 99 | 99 |
| 5.50 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 | > 99 | 97 | > 99 | > 99 | 99 | > 99 | > 99 | 99 |
| 5.63 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 | > 99 | 98 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 |
| 5.75 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 | > 99 | 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 |
| 5.88 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 | > 99 | 99 | > 99 | > 99 | > 99 | > 99 | > 99 | 99 |
| 6.00 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 | > 99 |

Note: Normative data are presented as EDE-Q8 EDE-Q8 global mean score with corresponding percentiles. Percentiles are shown for the total sample and for subsamples based on age and gender.

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| Appendix B. Confirmatory factor analysis of the higher order general factor model. |
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| |
| |
| <i>Note:</i> The model was estimated using MLM estimation. Loadings are standardized. Grey loading indicates the second-order corrected factor loadings (item loading * one-order-factor loading). |
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Appendix C. Analysis of factorial invariance using multigroup confirmatory factor analyses

| | . 2 | 10 | CEL | ACEI | DMCEA | ADMCEA | Measurement |
|--|----------|-----|------|------|-------|--------|------------------------------|
| | χ^2 | df | CFI | ΔCFI | RMSEA | ΔRMSEA | Invariance Test ^a |
| Gender (men; women) | | | | | | | |
| Configural invariance | 287.48 | 36 | .947 | - | .075 | - | |
| Weak invariance (equal loadings) | 299.99 | 43 | .946 | 001 | .069 | 006 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 392.49 | 51 | .928 | 018 | .073 | .004 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + | 447.26 | 59 | .918 | 010 | .073 | .000 | |
| residuals) | | | | | | | $\sqrt{}$ |
| Age (< 25 y; 25 to 34 y; 35 to 44 y; 45 to 54 y; 55 to 64 | | | | | | | |
| y; 65 to 74 y; \geq 75 y) | | | | | | | |
| Configural invariance | 426.61 | 126 | .946 | - | .082 | - | |
| Weak invariance (equal loadings) | 481.82 | 168 | .943 | 003 | .073 | 009 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 584.41 | 216 | .934 | 009 | .069 | 004 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + | 602.96 | 258 | .938 | 004 | .061 | 008 | |
| residuals) | | | | | | | $\sqrt{}$ |
| | | | | | | | |

Appendix C. Analysis of factorial invariance using multigroup confirmatory factor analyses (continued)

| | 2 | J.C | CEI | ΔCFI | RMSEA | ΔRMSEA | Measurement |
|--|----------|-----|------|------|--------|----------|------------------------------|
| | χ^2 | df | CFI | ΔСΓΙ | KWISEA | ΔΚΙΝΙΣΕΑ | Invariance Test ^a |
| Gender * Age | | | | | | | |
| Configural invariance | 339.90 | 72 | .943 | - | .077 | - | |
| Weak invariance (equal loadings) | 371.24 | 93 | .941 | 002 | .069 | 008 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 508.09 | 117 | .917 | 024 | .073 | .004 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + residuals) | 671.59 | 141 | .906 | 009 | .078 | .005 | $\sqrt{}$ |
| Educational level (≤ 8 y; 9 to 11 y; ≥ 12 y) | | | | | | | |
| Configural invariance | 353.55 | 54 | .947 | - | .082 | - | |
| Weak invariance (equal loadings) | 384.27 | 68 | .944 | 003 | .075 | 007 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 454.06 | 84 | .935 | 009 | .073 | 002 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + residuals) | 433.65 | 100 | .941 | .004 | .064 | 009 | $\sqrt{}$ |
| | | | | | | | (continued |

Appendix C. Analysis of factorial invariance using multigroup confirmatory factor analyses (continued)

| | χ^2 | df | CFI | ΔCFI | RMSEA | ΔRMSEA | Measurement |
|---|----------|-----|------|------|--------|--------|------------------------------|
| | λ | щ | CIT | ΔСΓΊ | KWISEA | ΔKWSEA | Invariance Test ^a |
| Household income (< 1250 EUR; 1250 to 2500 EUR; | | | | | | | |
| > 2500 EUR) | | | | | | | |
| Configural invariance | 332.95 | 54 | .951 | - | .080 | - | |
| Weak invariance (equal loadings) | 364.61 | 68 | .948 | 003 | .074 | 006 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 422.69 | 84 | .940 | 008 | .071 | 003 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + residuals) | 406.744 | 100 | .946 | .006 | .062 | 009 | $\sqrt{}$ |
| Obesity status ($\leq 30 \text{ kg/m}^2$; $> 30 \text{ kg/m}^2$) | | | | | | | |
| Configural invariance | 356.67 | 36 | .954 | - | .085 | - | |
| Weak invariance (equal loadings) | 394.49 | 43 | .949 | 005 | .082 | 003 | $\sqrt{}$ |
| Strong invariance (equal loadings + intercepts) | 571.27 | 51 | .925 | 024 | .091 | .009 | $\sqrt{}$ |
| Strict invariance (equal loadings + intercepts + residuals) | 428.01 | 59 | .947 | .022 | .072 | 019 | $\sqrt{}$ |

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Note. CFI = Comparative Fit Index; Δ_{CFI} = Differences between models (1 and 2; 2 and 3; 3 and 4); RMSEA = root mean square error of approximation; Δ_{RMSEA} = Differences between models 1 and 2; 2 and 3; 3 and 4); $\mathbf{a} = \Delta CFI \leq -.010$ supplemented by $\Delta RMSEA \geq .015$ indicates non-invariance. $\sqrt{}$ marks invariance

Appendix D. Weighted normative data from the general population (N=2425) for the EDE-Q8

| | | | | | Men | | | | Women | | | | | | | |
|-----|------------------------|------------|---------------|---------------|---------------|---------------|---------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|--------|--|
| 1 | Total 18 to 91 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | |
| | N = | N = | N = | N = | N = | N = | <i>N</i> = | <i>N</i> = | N 07 | <i>N</i> = | <i>N</i> = | N = | N = | <i>N</i> = | N = | |
| | 2425 | 87 | 152 | 180 | 213 | 225 | 177 | 93 | <i>N</i> = 87 | 208 | 202 | 232 | 229 | 204 | 136 | |
| .00 | 39 | 68 | 58 | 49 | 45 | 43 | 39 | 44 | 36 | 35 | 31 | 32 | 27 | 33 | 38 | |
| .13 | 44 | 69 | 63 | 56 | 49 | 46 | 45 | 47 | 37 | 39 | 32 | 37 | 31 | 38 | 46 | |
| .25 | 50 | 74 | 71 | 62 | 56 | 50 | 53 | 58 | 42 | 43 | 37 | 43 | 36 | 43 | 53 | |
| .38 | 54 | 80 | 76 | 68 | 59 | 52 | 59 | 58 | 42 | 48 | 41 | 48 | 40 | 47 | 57 | |
| .50 | 57 | 81 | 78 | 72 | 63 | 58 | 63 | 58 | 49 | 50 | 45 | 52 | 44 | 52 | 61 | |
| .63 | 60 | 83 | 78 | 74 | 66 | 61 | 67 | 63 | 51 | 53 | 49 | 54 | 48 | 55 | 63 | |
| .75 | 64 | 84 | 80 | 77 | 72 | 66 | 70 | 63 | 53 | 56 | 52 | 58 | 55 | 60 | 65 | |
| .88 | 67 | 88 | 81 | 80 | 74 | 68 | 73 | 68 | 58 | 58 | 57 | 62 | 58 | 62 | 68 | |

Appendix D. Weighted normative data from the general population (N = 2425) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | l | | |
|--------|------------------|------------|---------------|---------------|---------------|---------------|---------------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|--------|
| EDE-Q8 | Total 18 to 91 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y |
| | <i>N</i> = | N = | N = | <i>N</i> = | N = | N= | N = | N= | N = 87 | N = | N = | N= | N= | N = | N = |
| | 2425 | 87 | 152 | 180 | 213 | 225 | 177 | 93 | N = 87 | 208 | 202 | 232 | 229 | 204 | 136 |
| 1.00 | 69 | 89 | 82 | 81 | 75 | 71 | 75 | 71 | 59 | 59 | 62 | 65 | 60 | 65 | 69 |
| 1.38 | 74 | 90 | 89 | 83 | 81 | 79 | 79 | 77 | 67 | 65 | 68 | 69 | 65 | 70 | 78 |
| 1.50 | 76 | 92 | 91 | 83 | 82 | 79 | 80 | 78 | 69 | 69 | 69 | 70 | 65 | 73 | 78 |
| 1.63 | 77 | 92 | 91 | 84 | 84 | 81 | 81 | 82 | 71 | 69 | 71 | 73 | 68 | 74 | 79 |
| 1.75 | 78 | 92 | 91 | 84 | 84 | 82 | 82 | 83 | 73 | 70 | 72 | 74 | 68 | 74 | 81 |
| 1.88 | 79 | 92 | 92 | 85 | 84 | 83 | 82 | 84 | 74 | 73 | 74 | 75 | 70 | 74 | 83 |
| 2.00 | 80 | 92 | 93 | 86 | 85 | 84 | 83 | 84 | 75 | 74 | 76 | 75 | 70 | 76 | 84 |
| 2.13 | 81 | 92 | 93 | 88 | 86 | 85 | 85 | 86 | 75 | 75 | 78 | 77 | 71 | 78 | 85 |

Appendix D. Weighted normative data from the general population (N = 2425) for the *EDE-Q8* (continued)

| | | Women | | | | | | | | | | | | | |
|--------|------------------------|------------|---------------|---------------|---------------|---------------|---------------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------|
| EDE-Q8 | Total 18 to 91 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y |
| | N = 2425 | N = 87 | N = 152 | N = 180 | N = 213 | N = 225 | N = 177 | N = 93 | N = 87 | N = 208 | N = 202 | N = 232 | N = 229 | N = 204 | N = 136 |
| 2.25 | 82 | 92 | 94 | 88 | 87 | 86 | 86 | 86 | 77 | 78 | 79 | 77 | 71 | 79 | 86 |
| 2.38 | 83 | 96 | 94 | 88 | 89 | 86 | 88 | 86 | 77 | 79 | 80 | 79 | 72 | 81 | 87 |
| 2.50 | 84 | 96 | 94 | 88 | 91 | 86 | 88 | 88 | 79 | 80 | 80 | 80 | 73 | 82 | 87 |
| 2.63 | 85 | 96 | 95 | 90 | 91 | 87 | 90 | 89 | 79 | 81 | 82 | 80 | 76 | 82 | 87 |
| 2.75 | 86 | 96 | 97 | 90 | 92 | 88 | 90 | 89 | 80 | 82 | 84 | 82 | 77 | 83 | 88 |
| 2.88 | 87 | 97 | 97 | 91 | 92 | 89 | 91 | 89 | 82 | 83 | 85 | 83 | 79 | 83 | 89 |
| 3.00 | 88 | 97 | 97 | 91 | 92 | 90 | 91 | 90 | 83 | 85 | 88 | 84 | 79 | 85 | 89 |

Appendix D. Weighted normative data from the general population (N = 2425) for the *EDE-Q8* (continued)

| | | | | | Men | | | | | | | Women | 1 | | |
|--------|--------------|-------|-------|-------|-------|-------|-------|------|---------|-------|-------|-------|-------|-------|--------|
| EDE-Q8 | Total 18 to | 18 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 18 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 y |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | |
| | N = | N = | N = | N= | N = | N = | N= | N= | N = 87 | N= | N = | N= | N = | N= | N = |
| | 2425 | 87 | 152 | 180 | 213 | 225 | 177 | 93 | 10 - 07 | 208 | 202 | 232 | 229 | 204 | 136 |
| 3.13 | 89 | 99 | 97 | 91 | 93 | 91 | 93 | 91 | 83 | 86 | 88 | 84 | 80 | 88 | 89 |
| 3.25 | 89 | 99 | 98 | 92 | 94 | 91 | 93 | 91 | 83 | 87 | 88 | 86 | 81 | 88 | 89 |
| 3.38 | 90 | 99 | 98 | 92 | 94 | 93 | 93 | 91 | 83 | 88 | 90 | 87 | 84 | 90 | 91 |
| 3.50 | 91 | 99 | 99 | 94 | 95 | 93 | 93 | 91 | 84 | 88 | 93 | 88 | 86 | 91 | 91 |
| 3.63 | 92 | 99 | 99 | 94 | 95 | 94 | 93 | 91 | 84 | 90 | 93 | 88 | 88 | 92 | 92 |
| 3.75 | 93 | 99 | 99 | 94 | 95 | 94 | 93 | 94 | 84 | 91 | 95 | 88 | 89 | 92 | 92 |
| 3.88 | 93 | 99 | 99 | 94 | 95 | 94 | 94 | 95 | 85 | 92 | 96 | 89 | 90 | 93 | 92 |
| 4.00 | 93 | 99 | 99 | 94 | 95 | 94 | 94 | 96 | 85 | 93 | 96 | 91 | 91 | 94 | 92 |

Appendix D. Weighted normative data from the general population (N = 2425) for the *EDE-Q8* (continued)

| | Men | | | | | | | | | | Women | | | | | | | |
|--------|------------------|------------|---------------|---------------|---------------|---------------|---------------|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------|--|--|--|
| EDE-Q8 | Total 18 to 91 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | 18 to 24 y | 25 to 34 y | 35 to 44 y | 45 to 54 y | 55 to 64 y | 65 to 74 y | ≥ 75 y | | | |
| | N = 2425 | N = 87 | N = 152 | N = 180 | N = 213 | N = 225 | N = 177 | N = 93 | N = 87 | N = 208 | N = 202 | N = 232 | N = 229 | N = 204 | N = 136 | | | |
| 4.13 | 94 | 99 | 99 | 94 | 96 | 94 | 94 | 96 | 86 | 93 | 96 | 92 | 92 | 94 | 92 | | | |
| 4.25 | 95 | 99 | 99 | 96 | 98 | 94 | 96 | 98 | 87 | 94 | 97 | 94 | 95 | 94 | 92 | | | |
| 4.38 | 96 | 99 | 99 | 98 | 98 | 94 | 96 | 99 | 88 | 95 | 98 | 94 | 95 | 95 | 92 | | | |
| 4.50 | 96 | >99 | 99 | 98 | 98 | 95 | 96 | 99 | 88 | 95 | 98 | 94 | 95 | 96 | 96 | | | |
| 4.63 | 97 | >99 | 99 | >99 | 98 | 95 | 96 | 99 | 90 | 95 | 98 | 95 | 96 | 96 | 96 | | | |
| 4.75 | 97 | >99 | 99 | >99 | 98 | 96 | 96 | 99 | 92 | 97 | 98 | 95 | 98 | 97 | 96 | | | |
| 4.88 | 98 | >99 | 99 | >99 | 98 | 96 | 96 | >99 | 93 | 98 | 98 | 96 | 99 | 98 | 96 | | | |

Appendix D. Weighted normative data from the general population (N = 2425) for the *EDE-Q8* (continued)

| | | | | | Men | | | | Women | | | | | | | |
|--------|-------------|-------|-------|-------|-------|-------|-------|------|---------------|-------|-------|-------|-------|-------|--------|--|
| EDE-Q8 | Total 18 to | 18 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 | 18 to | 25 to | 35 to | 45 to | 55 to | 65 to | ≥ 75 y | |
| | 91 y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | y | 24 y | 34 y | 44 y | 54 y | 64 y | 74 y | ≥ 73 y | |
| | N = | N = | N = | N= | N = | N = | N = | N= | M 07 | N = | N = | N = | N = | N = | N = | |
| | 2425 | 87 | 152 | 180 | 213 | 225 | 177 | 93 | <i>N</i> = 87 | 208 | 202 | 232 | 229 | 204 | 136 | |
| 5.00 | 98 | >99 | 99 | >99 | 98 | 97 | 98 | >99 | 93 | 99 | 99 | 96 | 99 | 98 | 96 | |
| 5.13 | 98 | >99 | 99 | >99 | 99 | 98 | 99 | >99 | 94 | 99 | 99 | 96 | 99 | 99 | 97 | |
| 5.25 | 99 | >99 | 99 | >99 | 99 | 99 | 99 | >99 | 94 | >99 | 99 | 97 | >99 | 99 | 97 | |
| 5.38 | 99 | >99 | >99 | >99 | 99 | 99 | 99 | >99 | 95 | >99 | 99 | 98 | >99 | 99 | 97 | |
| 5.50 | 99 | >99 | >99 | >99 | >99 | >99 | 99 | >99 | 96 | >99 | >99 | 99 | >99 | >99 | 99 | |
| 5.75 | >99 | >99 | >99 | >99 | >99 | >99 | 99 | >99 | 99 | >99 | >99 | >99 | >99 | >99 | 99 | |
| 5.88 | >99 | >99 | >99 | >99 | >99 | >99 | 99 | >99 | 99 | >99 | >99 | >99 | >99 | >99 | 99 | |
| 6.00 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | >99 | |

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Note: Normative data are presented as EDE-Q8 global mean score with corresponding percentiles. Percentiles are shown for the total sample and for subsamples based on age and gender. Norms are weighted based on weight group prevalence from the Micro census 2013 (21).

Conflict of Interest

There are no conflicts of interest.

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