**Supplemental Table 1**. Summary of QoL studies examining hoarding behavior.

| Study | Sample | Quality of Life Measure | Findings |
|---|---|---|---|
| **Studies in primary OCD populations** | | | |
| Huppert (2009) | 15 history of OCD, 32 current OCD, 19 OCD comorbid with other psychiatric diagnoses | Quality of Life Enjoyment and Satisfaction Questionnaire (QLESQ), Short-Form Health Survey-36 (SF-36) | Hoarding symptom subtype on the OCI-R correlated with impairment on the QLESQ total, social, and family scales and the SF-36 social and work scales |
| Fontanelle (2010) | 53 OCD patients | SF-36 | Hoarding, depressive symptoms, and employment status predicted 62% of the variance in social functioning, although depression accounted for most of this variance |
| Albert (2010) | 151 OCD patients | SF-36 | Hoarding obsessions/compulsions factor on the YBOCS Symptom Checklist was not significantly related to any SF-36 subscales |
| Saxena (2011) | 34 OCD patients with compulsive hoarding, 137 OCD patients without hoarding | Lehman Quality of Life Interview-Short Form | Hoarding group scored significantly lower on satisfaction with safety and living arrangements and higher on victimization, and trended towards lower scores on satisfaction with living situation; depression scores did not differ between groups |
| Subramaniam (2014) | 175 OCD without hoarding, 122 hoarding without OCD, 55 OCD with hoarding | EuroQol 5 (EQ-5D) | Patients with both OCD and hoarding had a lower mean EQ-5D index (indicating worse QoL) than OCD-only or hoarding-only patients and were more likely to report problems in the mobility and pain domains |
| Schwartzman (2017) | 325 treatment-seeking patients with primary OCD | QLESQ | Hoarding symptoms were associated with decreased household-related QoL, above and beyond OCD and depression severity |
| **Studies in primary HD populations** | | | |
| Ong (2016) | 102 HD patients | QLESQ | HD severity was negatively correlated with QoL, but HD severity and QoL were no longer significantly related after controlling for anxiety and depression |

| Tolin (2019) | 54 treatment-seeking HD patients | SF-36 | HD group scored significantly lower than age- and sex-matched healthy controls on emotional well-being, role limitations due to emotional problems, vitality, and general health; the SI-R negatively predicted multiple domains of QoL in the whole sample, but was only significant for vitality QoL within the HD group |
|---|---|---|---|

**Supplemental Table 2**. Factor loadings and component domains for QoL groupings using factor analysis of the QoLI.

| QoLI domain | QoLI domain components | Success Factor Loading | Enrichment Factor Loading | Environment Factor Loading | Family Factor Loading |
|---|---|---|---|---|---|
| Success | Health | **0.74** | 0.07 | 0.01 | -0.10 |
| | Self-Esteem | **0.71** | 0.19 | -0.03 | 0.00 |
| | Goals and Values | **0.65** | 0.20 | -0.03 | 0.08 |
| | Money | **0.76** | -0.14 | 0.13 | 0.04 |
| | Work | **0.63** | -0.02 | 0.06 | 0.15 |
| Enrichment | Play | 0.36 | **0.50** | 0.04 | -0.05 |
| | Learning | 0.21 | **0.75** | -0.08 | -0.11 |
| | Creativity | -0.01 | **0.88** | -0.02 | -0.20 |
| | Helping | -0.02 | **0.55** | -0.05 | 0.32 |
| | Friends | -0.08 | **0.40** | 0.18 | 0.30 |
| Environment | Home | 0.22 | -0.03 | **0.51** | 0.18 |
| | Neighborhood | 0.04 | -0.08 | **0.96** | -0.12 |
| | Community | 0.01 | 0.01 | **0.89** | -0.08 |
| Family | Love | 0.29 | -0.07 | -0.12 | **0.66** |
| | Children | 0.01 | -0.18 | -0.10 | **0.92** |
| | Relatives | -0.19 | 0.25 | 0.30 | **0.41** |

**Supplementary Table 3**. Mean QoL scores (SD in parentheses) by domain and gender.

| QoL Domain | Male | Female | t | p |
|---|---|---|---|---|
| Total | 1.53 (1.92) | 1.61 (1.85) | -0.98 | 0.33 |
| Success | 1.02 (2.32) | 0.88 (2.27) | 1.36 | 0.18 |
| Enrichment | 1.58 (1.82) | 1.59 (1.95) | -0.18 | 0.86 |
| Environment | 1.35 (2.05) | 1.59 (2.15) | -2.58 | 0.01 |
| Family | 1.85 (2.26) | 2.38 (2.29) | -5.21 | <0.001 |

**Supplemental Table 4**. Bivariate Pearson correlations between QoL groupings and psychiatric symptom subscales across the entire sample (n = 2100).

|  | HRS-SR | OCI-R | PHQ-9 | GAD-7 |
|---|---|---|---|---|
| Overall QoL | -0.195 | -0.178 | -0.568 | -0.466 |
| Success QoL | -0.175 | -0.153 | -0.574 | -0.485 |
| Enrichment QoL | -0.142 | -0.150 | -0.452 | -0.382 |
| Environment QoL | -0.145 | -0.123 | -0.337 | -0.273 |
| Family QoL | -0.132 | -0.108 | -0.360 | -0.263 |
| HRS-SR | 1 | 0.601 | 0.471 | 0.441 |
| OCI-R | 0.601 | 1 | 0.515 | 0.562 |
| PHQ-9 | 0.471 | 0.515 | 1 | 0.814 |
| GAD-7 | 0.441 | 0.562 | 0.814 | 1 |

*All bivariate correlation pairs were significant at the $p < 0.01$ (2-tailed) level.

**Supplemental Table 5**. Comparison of mean QoL and psychiatric symptomatology between hoarding and non-hoarding subgroups (SD in parentheses), based on a cutoff of 14 on the HRS-SR (controlling for covariates).

| | Hoarding (n = 392, 18.7% of sample) | Non-hoarding (n = 1708, 81.3% of sample) | F-value | p-value |
|---|---|---|---|---|
| Overall QoL | 0.97 (1.87) | 1.72 (1.85) | 38.59 | <0.001 |
| Success QoL | 0.29 (2.37) | 1.09 (2.24) | 25.74 | <0.001 |
| Enrichment QoL | 1.13 (2.03) | 1.69 (1.85) | 21.27 | <0.001 |
| Environment QoL | 0.95 (2.09) | 1.62 (2.10) | 23.68 | <0.001 |
| Family QoL | 1.68 (2.22) | 2.27 (2.30) | 17.71 | <0.001 |
| HRS-SR | 21.05 (5.40) | 3.69 (3.89) | 5265.04 | <0.001 |
| OCI-R | 22.86 (12.84) | 8.54 (8.05) | 717.53 | <0.001 |
| PHQ-9 | 10.73 (6.82) | 4.82 (5.19) | 325.75 | <0.001 |
| GAD-7 | 9.07 (5.83) | 4.22 (4.75) | 269.54 | <0.001 |

**Supplemental Table 6**. Comparison of mean QoL and psychiatric symptomatology between hoarding and depression subgroups (SD in parentheses), based on cutoffs of 14 on the HRS-SR and 10 on the PHQ-9, controlling for covariates.

| | Neither (n = 1428) | Hoarding w/o depression (n = 177) | Depression w/o hoarding (n = 280) | Hoarding + depression (n = 215) |
|---|---|---|---|---|
| Overall QoL | 2.12 (1.62) | 1.57 (1.54) | -0.34 (1.61) | 0.48 (1.98) |
| Success QoL | 1.58 (1.96) | 1.02 (1.94) | -1.45 (1.84) | -0.30 (2.53) |
| Enrichment QoL | 2.01 (1.68)[a] | 1.65 (1.72)[a] | 0.05 (1.82) | 0.70 (2.16) |
| Environment QoL | 1.89 (1.99) | 1.23 (1.85)[a] | 0.23 (2.09)[b] | 0.72 (2.24)[ab] |
| Family QoL | 2.59 (2.18)[a] | 2.18 (2.13)[a] | 0.66 (2.22) | 1.27 (2.21) |
| HRS-SR | 3.34 (3.73) | 19.25 (4.35) | 5.48 (4.23) | 22.53 (5.73) |
| OCI-R | 7.43 (7.21) | 17.49 (10.59) | 14.22 (9.58) | 27.28 (12.86) |
| PHQ-9 | 2.94 (2.73) | 4.54 (3.03) | 14.40 (4.09) | 15.82 (4.44) |
| GAD-7 | 2.89 (3.37) | 4.85 (4.22) | 10.95 (5.03) | 12.54 (4.55) |

*All post-hoc pairwise comparisons significantly differed at the p < 0.05 level, except the pairs denoted by letters within each outcome category row.

**Supplemental Table 7**. Comparison of mean QoL and psychiatric symptomatology between hoarding and OCD subgroups (SD in parentheses), based on cutoffs of 14 on the HRS-SR and 21 on the OCI-R, controlling for covariates.

| | Neither (n = 1550) | Hoarding w/o OCD (n = 180) | OCD w/o hoarding (n = 158) | Hoarding + OCD (n = 212) |
|---|---|---|---|---|
| Overall QoL | 1.78 (1.83) | 0.83 (1.62)[ab] | 1.06 (1.97)[ac] | 1.09 (2.05)[bc] |
| Success QoL | 1.17 (2.21) | 0.04 (1.95)[ab] | 0.28 (2.37)[ac] | 0.51 (2.66)[bc] |
| Enrichment QoL | 1.76 (1.82)[a] | 0.92 (1.85)[bc] | 1.00 (2.06)[bd] | 1.31 (2.15)[acd] |
| Environment QoL | 1.67 (2.07) | 0.88 (2.01)[ab] | 1.07 (2.32)[ac] | 1.01 (2.15)[bc] |
| Family QoL | 2.30 (2.29)[ab] | 1.66 (2.29)[cd] | 1.96 (2.39)[ace] | 1.70 (2.16)[bde] |
| HRS-SR | 3.55 (3.82) | 18.99 (4.61) | 5.11 (4.32) | 22.80 (5.42) |
| OCI-R | 6.64 (5.29) | 11.16 (5.23) | 27.15 (6.62) | 32.79 (8.15) |
| PHQ-9 | 4.41 (4.84) | 8.36 (6.18)[a] | 8.86 (6.63)[a] | 12.74 (6.71) |
| GAD-7 | 3.75 (4.36) | 7.07 (5.40) | 8.77 (5.83) | 10.76 (5.65) |

*All post-hoc pairwise comparisons significantly differed at the $p < 0.05$ level, except the pairs denoted by letters within each outcome category row.

**Supplemental Table 8**. Multiple linear regression including the HRS-SR as a predictor of QoL in depressed and non-depressed groups based on a PHQ-9 cutoff of 10. Each overall model (including covariates) was statistically significant (p < 0.05). Unstandardized beta coefficients are given in parentheses.

| QoL Domain | HRS-SR Beta Coefficient (Standardized, Unstandardized) (depressed group, n = 495) | t | p-value | Adjusted R-Square, F-value | HRS-SR Beta Coefficient (Standardized, Unstandardized) (non-depressed group, n = 1605) | t | p-value | Adjusted R-Square, F-value |
|---|---|---|---|---|---|---|---|---|
| Overall | 0.252 (0.047) | 5.93 | <0.001 | 0.148, 11.767 | -0.149 (-0.038) | -6.17 | <0.001 | 0.087, 20.057 |
| Success | 0.260 (0.059) | 6.14 | <0.001 | 0.156, 12.413 | -0.115 (-0.036) | -4.76 | <0.001 | 0.087, 20.091 |
| Enrichment | 0.194 (0.040) | 4.33 | <0.001 | 0.052, 4.407 | -0.098 (-0.026) | -3.91 | <0.001 | 0.018, 4.628 |
| Environment | 0.135 (0.030) | 3.01 | 0.003 | 0.057, 4.721 | -0.127 (-0.040) | -5.21 | <0.001 | 0.060, 13.791 |
| Family | 0.167 (0.038) | 3.85 | <0.001 | 0.119, 9.373 | -0.098 (-0.034) | -4.28 | <0.001 | 0.180, 44.953 |

**Supplemental Table 9.** Multiple linear regression comparing the HRS-SR and OCI-R as predictors of home, neighborhood, community, love, children, and relatives QoL subcomponents in separate models (covariates not shown). Unstandardized beta coefficients are given in parentheses.

| QoL Subcomponent | OCI-R Beta Coefficient (Standardized, Unstandardized) | t | p | Adjusted R-Square, F-value | HRS-SR Beta Coefficient (Standardized, Unstandardized) | t | p | Adjusted R-Square, F-value |
|---|---|---|---|---|---|---|---|---|
| Home | -0.101 (-0.028) | -4.63 | <0.001 | 0.062, 18.22 | -0.153 (-0.057) | -7.16 | <0.001 | 0.075, 22.16 |
| Neighborhood | -0.08 (-0.018) | -3.65 | <0.001 | 0.036, 10.69 | -0.094 (-0.029) | -4.34 | <0.001 | 0.038, 11.41 |
| Community | -0.072 (-0.015) | -3.28 | 0.001 | 0.033, 9.84 | -0.047 (-0.013) | -2.14 | 0.03 | 0.030, 9.05 |
| Love | -0.076 (-0.026) | -3.72 | <0.001 | 0.177, 57.46 | -0.088 (-0.040) | -4.40 | <0.001 | 0.179, 58.28 |
| Children | -0.039 (-0.011) | -1.85 | 0.07 | 0.128, 39.35 | -0.052 (-0.020) | -2.52 | 0.01 | 0.129, 39.77 |
| Relatives | -0.092 (-0.023) | -4.14 | <0.001 | 0.012, 4.28 | -0.109 (-0.036) | -4.94 | <0.001 | 0.016, 5.19 |

**Supplemental Table 10.** Multiple linear regression including both the HRS-SR and OCI-R in the same model as predictors of home, neighborhood, community, love, children, and relatives QoL subcomponents (covariates not shown). Unstandardized beta coefficients are given in parentheses.

| QoL Subcomponent | OCI-R Beta Coefficient (Standardized, Unstandardized) | t | p | HRS-SR Beta Coefficient (Standardized, Unstandardized) | t | p | Adjusted R-Square, F-value |
|---|---|---|---|---|---|---|---|
| Home | -0.015 (-0.004) | -0.58 | 0.56 | -0.144 (-0.054) | -5.46 | <0.001 | 0.074, 19.73 |
| Neighborhood | -0.037 (-0.008) | -1.37 | 0.17 | -0.073 (-0.022) | -2.71 | 0.007 | 0.039, 10.35 |
| Community | -0.068 (-0.014) | -2.49 | 0.01 | -0.007 (-0.002) | -0.28 | 0.78 | 0.032, 8.76 |
| Love | -0.036 (-0.012) | -1.42 | 0.16 | -0.068 (-0.031) | -2.73 | 0.006 | 0.180, 52.06 |
| Children | -0.012 (-0.003) | -0.46 | 0.64 | -0.045 (-0.018) | -1.77 | 0.08 | 0.128, 35.36 |
| Relatives | -0.043 (-0.011) | -1.55 | 0.12 | -0.084 (-0.028) | -3.09 | 0.002 | 0.016, 4.88 |

**Supplementary Table 11**. Multiple linear regression including both the HRS-SR and OCI-R in the same model, with the addition of the PHQ-9, as predictors of home, neighborhood, community, love, children, and relatives QoL subcomponents (covariates not shown). Unstandardized beta coefficients are given in parentheses.

| QoL Subcomponent | OCI-R Beta Coefficient (Standardized, Unstandardized) | t | p | HRS-SR Beta Coefficient (Standardized, Unstandardized) | t | p | PHQ-9 Beta Coefficient (Standardized, Unstandardized) | t | p | Adjusted R-Square, F-value |
|---|---|---|---|---|---|---|---|---|---|---|
| Home | 0.112 (0.031) | 4.17 | <0.001 | -0.056 (-0.021) | -2.15 | 0.03 | -0.361 (-0.180) | -14.61 | <0.001 | 0.160, 40.90 |
| Neighborhood | 0.047 (0.011) | 1.66 | 0.10 | -0.015 (-0.004) | -0.54 | 0.59 | -0.238 (-0.096) | -9.19 | <0.001 | 0.075, 18.12 |
| Community | 0.010 (0.002) | 0.37 | 0.72 | 0.047 (0.013) | 1.72 | 0.09 | -0.222 (-0.084) | -8.50 | <0.001 | 0.064, 15.37 |
| Love | 0.075 (0.025) | 2.96 | 0.003 | 0.009 (0.004) | 0.37 | 0.71 | -0.314 (-0.190) | -13.39 | <0.001 | 0.244, 68.79 |
| Children | 0.062 (0.018) | 2.31 | 0.02 | 0.006 (0.002) | 0.24 | 0.81 | -0.210 (-0.108) | -8.47 | <0.001 | 0.157, 40.07 |
| Relatives | 0.067 (0.017) | 2.40 | 0.02 | -0.008 (-0.003) | -0.29 | 0.77 | -0.312 (-0.139) | -12.04 | <0.001 | 0.080, 19.18 |