

Appendix 7

Surgical Obesity Treatment Study (SCOTS) baseline data by body mass index (BMI) group

| | | | BMI (kg/m ²) | | | | |
|------------------------|--------------------------------------|----------|---|-----------------|----------------|-----------------|-----------------|
| | | | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| | | | < 40 N=24 | 40-44 N=64 | 45-49 N=64 | 50-54 N=44 | 55+ N=53 |
| | | | Total Number of Participants Completing Question (N missing) | | | | |
| Demographics | Sex: % Male | 249 (0) | 33.3% | 23.4% | 31.3% | 38.6% | 22.6% |
| | SIMD: % Quintile 1 (Most Deprived) | 247 (2) | 20.8% | 20.3% | 25.0% | 30.2% | 44.2% |
| Medical History | % DVT | 249 (0) | 8.3% | 1.6% | 3.1% | 4.5% | 1.9% |
| | % Hypertension | 249 (0) | 45.8% | 32.8% | 51.6% | 45.5% | 41.5% |
| | % Type 2 Diabetes | 249 (0) | 45.8% | 39.1% | 60.9% | 61.4% | 41.5% |
| | % CVD | 249 (0) | 16.7% | 9.4% | 6.3% | 6.8% | 5.7% |
| | % Arthritis | 249 (0) | 16.7% | 23.4% | 35.9% | 22.7% | 39.6% |
| | % Back Problems | 249 (0) | 41.7% | 45.3% | 50.0% | 38.6% | 50.9% |
| | % Asthma | 249 (0) | 0.0% | 25.0% | 29.7% | 27.3% | 43.4% |
| | % Migraine | 249 (0) | 20.8% | 10.9% | 17.2% | 25.0% | 28.3% |
| | % Irritable Bowel Syndrome | 249 (0) | 16.7% | 18.8% | 20.3% | 18.2% | 13.2% |
| | % Sleep Apnoea | 249 (0) | 16.7% | 20.3% | 28.1% | 27.3% | 35.8% |
| | % PCOS | 167 (10) | 46.7% | 8.3% | 17.1% | 20.0% | 13.2% |
| | % Gastroesophageal Reflux | 240 (9) | 26.1% | 38.1% | 52.5% | 39.5% | 36.0% |
| Incontinence | % ICIQ-UI SF Score ≥6 | 239 (10) | 26.1% | 42.2% | 46.7% | 40.5% | 54.0% |
| | % ICIQ-UI SF Score ≥6 (females only) | 168 (9) | 40.0% | 42.9% | 50.0% | 56.0% | 56.4% |
| | % ICIQ-UI SF Score ≥6 (males only) | 71 (1) | 0.0% | 40.0% | 40.0% | 17.6% | 45.5% |
| | Median (Q1; Q3) ICIQ-UI SF Score | 239 (10) | 0.0 (0.0; 6.0) | 4.0 (0.0; 9.5) | 5.0 (0.0; 8.0) | 3.0 (0.0; 12.0) | 9.0 (3.0; 13.0) |
| Depression | Mean (SD) PHQ-9 Score | 244 (5) | 7.4 (6.6) | 9.5 (6.4) | 9.0 (6.1) | 10.9 (6.5) | 10.5 (5.9) |
| | % PHQ-9 Score ≥10 | 244 (5) | 26.1% | 46.9% | 38.1% | 48.8% | 51.0% |
| Anxiety | Median (Q1; Q3) GAD-7 Score | 243 (6) | 4.0 (1.0; 6.0) | 5.0 (2.0; 10.5) | 5.5 (2.0; 9.0) | 4.0 (2.0; 12.0) | 7.0 (3.0; 10.0) |
| | % GAD-7 Score ≥6 | 243 (6) | 30.4% | 42.2% | 50.0% | 39.5% | 62.7% |
| Smoking Status | % Current | 240 (9) | 17.4% | 4.8% | 4.8% | 2.3% | 4.0% |
| | % Former | | 30.4% | 45.2% | 46.8% | 39.5% | 48.0% |
| | % Never | | 52.2% | 50.0% | 48.4% | 58.1% | 48.0% |
| Quality of Life | | | | | | | |
| SF-12 | Mean (SD) SF-12 PCS | 236 (13) | 43.5 (11.3) | 40.3 (11.0) | 37.6 (10.6) | 35.3 (11.6) | 31.1 (10.3) |
| | Mean (SD) SF-12 MCS | 236 (13) | 48.7 (7.7) | 44.8 (9.1) | 45.7 (11.9) | 43.8 (10.8) | 46.1 (10.2) |
| EQ-5D-5L | Median (Q1; Q3) EQ-5D-5L Score | 237 (12) | 0.8 (0.7; 0.9) | 0.7 (0.3; 0.8) | 0.6 (0.4; 0.8) | 0.6 (0.4; 0.7) | 0.5 (0.1; 0.6) |
| | Mean (SD) EQ-5D-5L VAS | 237 (12) | 64.9 (22.6) | 58.8 (22.3) | 56.5 (22.5) | 51.7 (18.9) | 47.9 (21.8) |

| | | | | | | | |
|---|--|----------|----------------------|----------------------|----------------------|----------------------|----------------------|
| IWQOL-Lite (Standardised Scoring) | Mean (SD) Physical Function | 243 (6) | 35 (24.9) | 50.5 (23.3) | 54.2 (24.5) | 61.1 (21.6) | 74.8 (20.6) |
| | Median (Q1; Q3) Self Esteem | 242 (7) | 60.7 (42.9; 85.7) | 71.4 (53.6; 89.3) | 71.4 (39.3; 92.9) | 89.3 (71.4; 96.4) | 85.7 (71.4; 96.4) |
| | Mean (SD) Sexual Life | 231 (18) | 40.8 (33.4) | 58.8 (30.0) | 54.2 (31.2) | 60.4 (34.7) | 63.7 (28.8) |
| | Mean (SD) Public Distress | 243 (6) | 28.9 (25.7) | 48.1 (22.4) | 55.9 (25.7) | 70.1 (24.1) | 76.1 (19.8) |
| | Mean (SD) Work | 236 (13) | 31 (30.1) | 38.9 (29.3) | 40 (29.2) | 47.5 (25.1) | 55.5 (28.6) |
| | Mean (SD) Total Score | 242 (7) | 40.5 (22.5) | 53.7 (18.9) | 55.3 (22.0) | 64.1 (19.0) | 71.8 (17.5) |
| Healthcare Utilisations | % Use of Any Aids or Specialist Equipment | 232 (17) | 9.1% | 21.3% | 27.9% | 25.6% | 51.0% |
| Social Security | % Unable to Work Due to Illness or Disability | 248 (1) | 25.0% | 23.4% | 23.4% | 23.3% | 34.0% |
| | % Disability Living Allowance - Caring | 236 (13) | 17.4% | 17.7% | 21.3% | 17.5% | 18.0% |
| | % Disability Living Allowance - Mobility | 236 (13) | 17.4% | 19.4% | 23.0% | 17.5% | 20.0% |

ICIQ-UI SF score: ≥ 6 = 'moderate incontinence' ¹

PHQ-9 scores: 0-4 = 'minimal depression'; 5-9 = 'mild depression'; 10-14 = 'moderate depression'; 15-19 = 'moderately severe depression'; 20-27 = 'severe depression' ²

GAD-7 scores: 0-5 = 'mild anxiety'; 6-10 = 'moderate anxiety'; 11-14 = 'moderately severe anxiety'; 15-21 = 'severe anxiety' ³

References

- 1 Avery K, Donovan J, Peters TJ, Shaw C, Gotoh M, Abrams P. ICIQ: A brief and robust measure for evaluating the symptoms and impact of urinary incontinence. *Neurourol Urodyn* 2004. <https://doi.org/10.1002/nau.20041>.
- 2 Spitzer RL, Kroenke K, Williams JBW. Validation and utility of a self-report version of PRIME-MD: The PHQ Primary Care Study. *J Am Med Assoc* 1999. <https://doi.org/10.1001/jama.282.18.1737>.
- 3 Spitzer RL, Kroenke K, Williams JBW, Löwe B. A brief measure for assessing generalized anxiety disorder: The GAD-7. *Arch Intern Med* 2006. <https://doi.org/10.1001/archinte.166.10.1092>.

