**Supplementary File 07**

PHQ-ADS sensitivity analyses

**Table 07.1.** Treatment effect on PHQ-ADS based on different missingness assumptions.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | COMPASS | SCS | Adjusted mean difference |  |  |  |
| Sensitivity analysis | Time | N | Mean | SD | N | Mean | SD | Mean diff | SE | z | p | 95%ll | 95%ul | SMD | 95%ll | 95%ul |
| ITT | 1 | 75 | 22.76 | 9.46 | 93 | 21.62 | 9.69 |   |   |   |   |   |   |   |   |   |
| **2** | **65** | **16.08** | **10.41** | **78** | **21.09** | **10.73** | **5.07** | **1.28** | **3.96** | **<0.001** | **2.56** | **7.58** | **0.53** | **0.27** | **0.79** |
| **3** | **71** | **12.32** | **8.15** | **91** | **18.27** | **11.07** | **6.82** | **1.16** | **5.88** | **<0.001** | **4.55** | **9.10** | **0.71** | **0.48** | **0.95** |
| Per-protocol | 1 | 58 | 22.02 | 9.41 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **53** | **15.92** | **10.25** | **78** | **21.09** | **10.73** | **4.73** | **1.25** | **3.78** | **<0.001** | **2.28** | **7.19** | **0.50** | **0.24** | **0.76** |
| **3** | **56** | **12.21** | **8.23** | **91** | **18.27** | **11.07** | **6.02** | **1.02** | **5.91** | **<0.001** | **4.03** | **8.02** | **0.63** | **0.42** | **0.84** |
| Excluding those completing outside of due date range | 1 | 94 | 23.56 | 9.05 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **65** | **16.08** | **10.41** | **77** | **21.26** | **10.69** | **5.15** | **1.27** | **4.06** | **<0.001** | **2.66** | **7.63** | **0.55** | **0.28** | **0.81** |
| **3** | **65** | **12.35** | **8.09** | **85** | **18.74** | **11.24** | **6.82** | **1.29** | **5.28** | **<0.001** | **4.29** | **9.35** | **0.73** | **0.46** | **1.00** |
| Excluding those who completed over the phone at 12-weeks | 1 | 94 | 23.56 | 9.05 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **65** | **16.08** | **10.41** | **78** | **21.09** | **10.73** | **5.02** | **1.26** | **3.99** | **<0.001** | **2.56** | **7.49** | **0.54** | **0.27** | **0.80** |
| **3** | **67** | **12.25** | **8.08** | **87** | **18.25** | **11.04** | **6.75** | **1.20** | **5.62** | **<0.001** | **4.40** | **9.11** | **0.72** | **0.47** | **0.97** |
| PHQ-ADS 5 points higher than baseline | 1 | 94 | 23.56 | 9.05 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **94** | **20.74** | **11.79** | **100** | **22.42** | **10.84** | **3.36** | **1.36** | **2.48** | **0.013** | **0.70** | **6.01** | **0.36** | **0.07** | **0.64** |
| **3** | **94** | **16.64** | **11.09** | **100** | **19.34** | **11.32** | **4.38** | **1.52** | **2.89** | **0.004** | **1.41** | **7.35** | **0.47** | **0.15** | **0.79** |
| PHQ-ADS 5 points lower than baseline | 1 | 94 | 23.56 | 9.05 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **94** | **17.66** | **9.76** | **100** | **20.22** | **10.67** | **3.63** | **1.15** | **3.16** | **0.002** | **1.38** | **5.89** | **0.39** | **0.15** | **0.63** |
| **3** | **94** | **14.19** | **8.71** | **100** | **18.44** | **10.81** | **5.77** | **1.18** | **4.90** | **<0.001** | **3.46** | **8.07** | **0.62** | **0.37** | **0.86** |
| PHQ-ADS baseline carried forward | 1 | 94 | 23.56 | 9.05 | 100 | 21.98 | 9.63 |   |   |   |   |   |   |   |   |   |
| **2** | **94** | **19.20** | **10.57** | **100** | **21.32** | **10.56** | **3.70** | **1.17** | **3.17** | **0.002** | **1.41** | **5.98** | **0.39** | **0.15** | **0.64** |
| **3** | **94** | **15.41** | **9.74** | **100** | **18.89** | **10.98** | **5.06** | **1.33** | **3.81** | **<0.001** | **2.45** | **7.66** | **0.54** | **0.26** | **0.82** |
| Excluding those not meeting PHQ-ADS caseness at baseline | 1 | 90 | 24.30 | 8.52 | 95 | 22.78 | 9.20 |   |   |   |   |   |   |   |   |   |
| **2** | **61** | **16.79** | **10.35** | **74** | **21.74** | **10.59** | **5.11** | **1.36** | **3.75** | **<0.001** | **2.44** | **7.77** | **0.55** | **0.26** | **0.83** |
| **3** | **67** | **12.76** | **8.18** | **86** | **19.12** | **10.78** | **7.27** | **1.22** | **5.96** | **<0.001** | **4.88** | **9.66** | **0.78** | **0.52** | **1.03** |
| Controlling for baseline variables associated with missingness (age, gender, education, marital status, psychotropic medication)\* | 1 | 75 | 22.76 | 9.46 | 93 | 21.62 | 9.69 |   |   |   |   |   |   |   |   |   |
| **2** | **65** | **16.08** | **10.41** | **78** | **21.09** | **10.73** | **5.35** | **1.42** | **3.78** | **<0.001** | **2.58** | **8.13** | **0.57** | **0.28** | **0.87** |
| **3** | **71** | **12.32** | **8.15** | **91** | **18.27** | **11.07** | **6.94** | **1.15** | **6.05** | **<0.001** | **4.69** | **9.19** | **0.74** | **0.50** | **0.98** |

*Note.* \*Categorical variables binary: 1) gender (male/female), 2) education (school/degree or other), 3) marital status (married or cohabiting/single or divorced or separated or widowed), 4) psychotropic medication (prescribed/not prescribed). Negative SMD indicates effect in favour of SCS.