

Appendix Table 4: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for FACT-Cog Perceived Cognitive Impairment to PROMIS v2.0 Cognitive Function (PROsetta Stone Wave 2 Study)

| FACT-Cog Perceived Cognitive Impairment Score | PROMIS Cog Fx T-score | SE | FACT-Cog Perceived Cognitive Impairment Score | PROMIS Cog Fx T-score | SE |
|--|------------------------------|-----------|--|------------------------------|-----------|
| 80 | 14.7 | 2.7 | 39 | 38.5 | 1.7 |
| 79 | 16.3 | 2.8 | 38 | 38.9 | 1.7 |
| 78 | 17.6 | 2.7 | 37 | 39.4 | 1.7 |
| 77 | 18.8 | 2.6 | 36 | 39.8 | 1.8 |
| 76 | 19.9 | 2.5 | 35 | 40.2 | 1.8 |
| 75 | 20.8 | 2.4 | 34 | 40.6 | 1.8 |
| 74 | 21.7 | 2.3 | 33 | 41.1 | 1.8 |
| 73 | 22.5 | 2.2 | 32 | 41.5 | 1.8 |
| 72 | 23.2 | 2.1 | 31 | 42.0 | 1.8 |
| 71 | 23.9 | 2.0 | 30 | 42.4 | 1.8 |
| 70 | 24.5 | 2.0 | 29 | 42.9 | 1.8 |
| 69 | 25.1 | 1.9 | 28 | 43.3 | 1.8 |
| 68 | 25.7 | 1.9 | 27 | 43.8 | 1.8 |
| 67 | 26.2 | 1.9 | 26 | 44.2 | 1.8 |
| 66 | 26.7 | 1.9 | 25 | 44.7 | 1.8 |
| 65 | 27.3 | 1.8 | 24 | 45.2 | 1.8 |
| 64 | 27.8 | 1.8 | 23 | 45.7 | 1.8 |
| 63 | 28.2 | 1.8 | 22 | 46.2 | 1.8 |
| 62 | 28.7 | 1.8 | 21 | 46.7 | 1.8 |
| 61 | 29.2 | 1.8 | 20 | 47.2 | 1.9 |
| 60 | 29.6 | 1.8 | 19 | 47.7 | 1.9 |
| 59 | 30.1 | 1.8 | 18 | 48.3 | 1.9 |
| 58 | 30.5 | 1.8 | 17 | 48.8 | 1.9 |
| 57 | 31.0 | 1.8 | 16 | 49.4 | 1.9 |
| 56 | 31.4 | 1.8 | 15 | 50.0 | 1.9 |
| 55 | 31.9 | 1.8 | 14 | 50.6 | 1.9 |
| 54 | 32.3 | 1.7 | 13 | 51.2 | 1.9 |
| 53 | 32.7 | 1.7 | 12 | 51.8 | 2.0 |
| 52 | 33.1 | 1.7 | 11 | 52.5 | 2.0 |
| 51 | 33.5 | 1.7 | 10 | 53.2 | 2.1 |
| 50 | 34.0 | 1.7 | 9 | 53.9 | 2.1 |
| 49 | 34.4 | 1.7 | 8 | 54.7 | 2.2 |
| 48 | 34.8 | 1.7 | 7 | 55.6 | 2.3 |
| 47 | 35.2 | 1.7 | 6 | 56.5 | 2.4 |
| 46 | 35.6 | 1.7 | 5 | 57.6 | 2.6 |
| 45 | 36.0 | 1.7 | 4 | 58.8 | 2.8 |
| 44 | 36.4 | 1.7 | 3 | 60.3 | 3.1 |
| 43 | 36.9 | 1.7 | 2 | 62.1 | 3.5 |

| FACT-Cog Perceived Cognitive Impairment Score | PROMIS Cog Fx T-score | SE | FACT-Cog Perceived Cognitive Impairment Score | PROMIS Cog Fx T-score | SE |
|--|--------------------------------------|-----------|--|--------------------------------------|-----------|
| 42 | 37.3 | 1.7 | 1 | 64.6 | 4.0 |
| 41 | 37.7 | 1.7 | 0 | 68.6 | 5.2 |
| 40 | 38.1 | 1.7 | | | |