

**Appendix Table 4: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for CES-D Children and PROMIS Pediatric Depressive Symptoms (NIH Toolbox CV Study)**

| CES-D Children Actual Score* | CES-D Children Raw Score* | PROMIS Peds Depressive Sx T-Score | SE  | CES-D Children Actual Score* | CES-D Children Raw Score* | PROMIS Peds Depressive Sx T-Score | SE  |
|------------------------------|---------------------------|-----------------------------------|-----|------------------------------|---------------------------|-----------------------------------|-----|
| 0                            | 20                        | 31.8                              | 6.0 | 30                           | 50                        | 64.2                              | 2.4 |
| 1                            | 21                        | 34.3                              | 5.7 | 31                           | 51                        | 64.9                              | 2.4 |
| 2                            | 22                        | 37.1                              | 5.2 | 32                           | 52                        | 65.5                              | 2.4 |
| 3                            | 23                        | 39.3                              | 4.8 | 33                           | 53                        | 66.1                              | 2.4 |
| 4                            | 24                        | 41.3                              | 4.4 | 34                           | 54                        | 66.7                              | 2.4 |
| 5                            | 25                        | 43.0                              | 4.1 | 35                           | 55                        | 67.4                              | 2.4 |
| 6                            | 26                        | 44.6                              | 3.8 | 36                           | 56                        | 68.0                              | 2.4 |
| 7                            | 27                        | 46.0                              | 3.5 | 37                           | 57                        | 68.6                              | 2.4 |
| 8                            | 28                        | 47.3                              | 3.3 | 38                           | 58                        | 69.3                              | 2.4 |
| 9                            | 29                        | 48.4                              | 3.1 | 39                           | 59                        | 69.9                              | 2.4 |
| 10                           | 30                        | 49.5                              | 3.0 | 40                           | 60                        | 70.6                              | 2.4 |
| 11                           | 31                        | 50.5                              | 2.9 | 41                           | 61                        | 71.2                              | 2.4 |
| 12                           | 32                        | 51.4                              | 2.8 | 42                           | 62                        | 71.9                              | 2.5 |
| 13                           | 33                        | 52.3                              | 2.7 | 43                           | 63                        | 72.6                              | 2.5 |
| 14                           | 34                        | 53.2                              | 2.7 | 44                           | 64                        | 73.3                              | 2.5 |
| 15                           | 35                        | 54.0                              | 2.6 | 45                           | 65                        | 74.0                              | 2.6 |
| 16                           | 36                        | 54.8                              | 2.6 | 46                           | 66                        | 74.8                              | 2.6 |
| 17                           | 37                        | 55.5                              | 2.6 | 47                           | 67                        | 75.6                              | 2.7 |
| 18                           | 38                        | 56.3                              | 2.5 | 48                           | 68                        | 76.4                              | 2.8 |
| 19                           | 39                        | 57.0                              | 2.5 | 49                           | 69                        | 77.2                              | 2.9 |
| 20                           | 40                        | 57.7                              | 2.5 | 50                           | 70                        | 78.1                              | 3.0 |
| 21                           | 41                        | 58.4                              | 2.5 | 51                           | 71                        | 79.1                              | 3.0 |
| 22                           | 42                        | 59.1                              | 2.5 | 52                           | 72                        | 80.1                              | 3.1 |
| 23                           | 43                        | 59.7                              | 2.4 | 53                           | 73                        | 81.1                              | 3.2 |
| 24                           | 44                        | 60.4                              | 2.4 | 54                           | 74                        | 82.1                              | 3.2 |
| 25                           | 45                        | 61.1                              | 2.4 | 55                           | 75                        | 83.2                              | 3.2 |
| 26                           | 46                        | 61.7                              | 2.4 | 56                           | 76                        | 84.2                              | 3.1 |
| 27                           | 47                        | 62.3                              | 2.4 | 57                           | 77                        | 85.1                              | 2.9 |
| 28                           | 48                        | 63.0                              | 2.4 | 58                           | 78                        | 85.9                              | 2.7 |
| 29                           | 49                        | 63.6                              | 2.4 | 59                           | 79                        | 86.6                              | 2.4 |

\*The scores in the first column conform to the scoring rules of the CES-D Children instrument. The scores in the second column correspond to the scores used in the full PROsetta Stone report.