

Supplemental Table IRT-based sum score crosswalk of AM-PAC Cognition and PROMIS Cognition Scales.

| Raw Score | AM-PAC Generic Lookup Table | | | | AM-PAC Medicare Lookup Table | | | |
|-----------|-----------------------------|------|--------------|------|------------------------------|------|--------------|------|
| | Theta | SD | T score | SE | Theta | SD | T score | SE |
| 0 | -3.86 | 0.38 | 11.45 | 3.79 | -3.49 | 0.38 | 15.08 | 3.80 |
| 1 | -3.60 | 0.32 | 14.04 | 3.18 | -3.20 | 0.31 | 18.00 | 3.08 |
| 2 | -3.41 | 0.28 | 15.92 | 2.84 | -3.01 | 0.27 | 19.95 | 2.74 |
| 3 | -3.26 | 0.26 | 17.42 | 2.61 | -2.85 | 0.25 | 21.50 | 2.53 |
| 4 | -3.13 | 0.24 | 18.71 | 2.44 | -2.72 | 0.24 | 22.82 | 2.38 |
| 5 | -3.02 | 0.23 | 19.84 | 2.31 | -2.60 | 0.23 | 23.98 | 2.27 |
| 6 | -2.91 | 0.22 | 20.86 | 2.21 | -2.50 | 0.22 | 25.04 | 2.18 |
| 7 | -2.82 | 0.21 | 21.79 | 2.12 | -2.40 | 0.21 | 26.02 | 2.12 |
| 8 | -2.74 | 0.21 | 22.65 | 2.06 | -2.31 | 0.21 | 26.94 | 2.07 |
| 9 | -2.65 | 0.20 | 23.47 | 2.01 | -2.22 | 0.20 | 27.81 | 2.04 |
| 10 | -2.58 | 0.20 | 24.23 | 1.96 | -2.14 | 0.20 | 28.65 | 2.01 |
| 11 | -2.50 | 0.19 | 24.97 | 1.92 | -2.05 | 0.20 | 29.46 | 1.98 |
| 12 | -2.43 | 0.19 | 25.67 | 1.89 | -1.98 | 0.20 | 30.24 | 1.97 |
| 13 | -2.37 | 0.19 | 26.34 | 1.87 | -1.90 | 0.20 | 31.01 | 1.96 |
| 14 | -2.30 | 0.18 | 27.00 | 1.84 | -1.82 | 0.20 | 31.77 | 1.95 |
| 15 | -2.24 | 0.18 | 27.63 | 1.82 | -1.75 | 0.19 | 32.51 | 1.94 |
| 16 | -2.18 | 0.18 | 28.25 | 1.81 | -1.68 | 0.19 | 33.25 | 1.94 |
| 17 | -2.12 | 0.18 | 28.85 | 1.79 | -1.60 | 0.19 | 33.99 | 1.94 |
| 18 | -2.06 | 0.18 | 29.44 | 1.78 | -1.53 | 0.19 | 34.73 | 1.94 |
| 19 | -2.00 | 0.18 | 30.02 | 1.76 | -1.45 | 0.20 | 35.48 | 1.95 |
| 20 | -1.94 | 0.18 | 30.59 | 1.76 | -1.38 | 0.20 | 36.23 | 1.96 |
| 21 | -1.89 | 0.18 | 31.15 | 1.75 | -1.30 | 0.20 | 36.99 | 1.97 |
| 22 | -1.83 | 0.17 | 31.71 | 1.74 | -1.22 | 0.20 | 37.76 | 1.99 |
| 23 | -1.77 | 0.17 | 32.26 | 1.74 | -1.15 | 0.20 | 38.54 | 2.00 |
| 24 | -1.72 | 0.17 | 32.81 | 1.73 | -1.07 | 0.20 | 39.34 | 2.02 |
| 25 | -1.67 | 0.17 | 33.35 | 1.74 | -0.98 | 0.20 | 40.16 | 2.03 |
| 26 | -1.61 | 0.17 | 33.90 | 1.74 | -0.90 | 0.21 | 41.00 | 2.05 |
| 27 | -1.56 | 0.17 | 34.44 | 1.74 | -0.81 | 0.21 | 41.86 | 2.06 |
| 28 | -1.50 | 0.17 | 34.99 | 1.74 | -0.73 | 0.21 | 42.74 | 2.08 |
| 29 | -1.45 | 0.18 | 35.53 | 1.75 | -0.63 | 0.21 | 43.66 | 2.10 |
| 30 | -1.39 | 0.18 | 36.08 | 1.76 | -0.54 | 0.21 | 44.62 | 2.13 |
| 31 | -1.34 | 0.18 | 36.64 | 1.77 | -0.44 | 0.22 | 45.62 | 2.16 |
| 32 | -1.28 | 0.18 | 37.20 | 1.77 | -0.33 | 0.22 | 46.69 | 2.22 |
| 33 | -1.22 | 0.18 | 37.77 | 1.78 | -0.22 | 0.23 | 47.84 | 2.30 |
| 34 | -1.17 | 0.18 | 38.34 | 1.79 | -0.09 | 0.24 | 49.11 | 2.42 |
| 35 | -1.11 | 0.18 | 38.92 | 1.80 | 0.06 | 0.26 | 50.55 | 2.61 |
| 36 | -1.05 | 0.18 | 39.51 | 1.81 | 0.23 | 0.29 | 52.25 | 2.90 |
| 37 | -0.99 | 0.18 | 40.10 | 1.82 | 0.44 | 0.33 | 54.40 | 3.33 |
| 38 | -0.93 | 0.18 | 40.71 | 1.83 | 0.74 | 0.41 | 57.42 | 4.05 |
| 39 | -0.87 | 0.18 | 41.32 | 1.84 | 1.30 | 0.58 | 62.99 | 5.77 |
| 40 | -0.81 | 0.19 | 41.95 | 1.85 | | | | |
| 41 | -0.74 | 0.19 | 42.58 | 1.86 | | | | |
| 42 | -0.68 | 0.19 | 43.23 | 1.87 | | | | |
| 43 | -0.61 | 0.19 | 43.89 | 1.88 | | | | |
| 44 | -0.54 | 0.19 | 44.57 | 1.89 | | | | |
| 45 | -0.47 | 0.19 | 45.27 | 1.91 | | | | |
| 46 | -0.40 | 0.19 | 46.00 | 1.93 | | | | |
| 47 | -0.32 | 0.20 | 46.76 | 1.96 | | | | |
| 48 | -0.25 | 0.20 | 47.55 | 2.01 | | | | |
| 49 | -0.16 | 0.21 | 48.39 | 2.06 | | | | |
| 50 | -0.07 | 0.22 | 49.29 | 2.15 | | | | |
| 51 | 0.03 | 0.23 | 50.28 | 2.26 | | | | |
| 52 | 0.14 | 0.24 | 51.39 | 2.41 | | | | |
| 53 | 0.27 | 0.26 | 52.67 | 2.62 | | | | |
| 54 | 0.42 | 0.29 | 54.21 | 2.92 | | | | |
| 55 | 0.62 | 0.33 | 56.16 | 3.34 | | | | |
| 56 | 0.89 | 0.40 | 58.90 | 3.99 | | | | |
| 57 | 1.41 | 0.56 | 64.05 | 5.61 | | | | |

Note: Conversion table applies only when ALL items on the form have been answered. Raw score is computed as 0-3 for each response option, and the total score range is for the Generic is 0-57 and the Medicare is 0-39. T score metric is a linear transformation from the IRT theta scale: $T\ score = 10 * \theta + 50$. SE in the table is the standard error on T score metric.