

**Appendix Table 7: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for Neuro-QoL Applied Cognition - General Concerns Full Item Bank (18 items) to PROMIS v2.0 Cognitive Function (PROsetta Stone Wave 2 Study)**

<b>Neuro-QoL Appl Cog General Concerns T-Score</b>	<b>Neuro-QoL Appl Cog General Concerns Raw Score</b>	<b>PROMIS Cog Fx T-score</b>	<b>SE</b>
16.3	18	16.7	3.2
18.3	19	18.8	3
19.5	20	20.4	2.8
20.7	21	21.6	2.6
21.6	22	22.7	2.4
22.5	23	23.7	2.3
23.2	24	24.5	2.2
23.8	25	25.3	2.1
24.4	26	26.0	2
25.0	27	26.7	1.9
25.5	28	27.3	1.9
26.0	29	27.9	1.8
26.4	30	28.4	1.8
26.9	31	29.0	1.8
27.3	32	29.5	1.7
27.7	33	30.0	1.7
28.1	34	30.5	1.7
28.5	35	30.9	1.7
28.9	36	31.4	1.7
29.2	37	31.9	1.7
29.6	38	32.3	1.7
30.0	39	32.8	1.7
30.3	40	33.3	1.7
30.7	41	33.7	1.7
31.1	42	34.2	1.7
31.4	43	34.6	1.7
31.8	44	35.0	1.7
32.2	45	35.5	1.7
32.5	46	35.9	1.7
32.9	47	36.4	1.7
33.3	48	36.8	1.7
33.6	49	37.3	1.7
34.0	50	37.7	1.7
34.4	51	38.2	1.7

Neuro-QoL Appl Cog General Concerns T-Score	Neuro-QoL Appl Cog General Concerns Raw Score	PROMIS Cog Fx T-score	SE
34.7	52	38.7	1.7
35.1	53	39.1	1.7
35.5	54	39.6	1.7
35.8	55	40.0	1.7
36.2	56	40.5	1.7
36.6	57	41.0	1.7
37.0	58	41.5	1.7
37.3	59	41.9	1.7
37.7	60	42.4	1.7
38.1	61	42.9	1.7
38.5	62	43.4	1.7
38.9	63	43.9	1.7
39.3	64	44.4	1.7
39.7	65	44.9	1.7
40.0	66	45.4	1.7
40.4	67	45.9	1.7
40.8	68	46.4	1.7
41.2	69	46.9	1.7
41.7	70	47.4	1.7
42.1	71	47.9	1.7
42.5	72	48.5	1.7
42.9	73	49.0	1.7
43.4	74	49.6	1.8
43.8	75	50.2	1.8
44.3	76	50.7	1.8
44.8	77	51.3	1.8
45.3	78	52.0	1.8
45.8	79	52.6	1.9
46.4	80	53.3	1.9
47.0	81	54.0	2
47.6	82	54.8	2.1
48.4	83	55.7	2.2
49.2	84	56.6	2.3
50.2	85	57.7	2.5
51.3	86	59.0	2.8
52.7	87	60.5	3.1
54.5	88	62.4	3.5
57.0	89	64.9	4.1
62.5	90	68.9	5.2

*Note: In 2014, the two Neuro-QoL Applied Cognition banks -- General Concerns and Executive Function – were merged into a single bank called Neuro-QoL Cognitive Function. This new bank*

*was linked via common items to the PROMIS v2.0 Cognitive Function v2.0 bank, so that the T-scores from either instrument are on the same metric. See Report 5.27 for details on the link with Neuro-QoL Cognitive Function v2.0.*