

Appendix Table 7: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for Neuro-QoL v1.0 Pediatric Depression Full Item Bank and PROMIS Pediatric Depressive Symptoms (Neuro-QoL Wave 1 Study)

Neuro-QoL Peds Depression T-Score	Neuro-QoL Peds Depression Raw Score	PROMIS Peds Depressive Sx T-Score	SE
32.0	17	31.3	5.5
36.2	18	35.4	4.6
38.3	19	37.7	4.3
40.5	20	40.0	3.8
42.1	21	41.8	3.4
43.5	22	43.4	3.2
44.6	23	44.7	2.9
45.6	24	45.9	2.8
46.4	25	47.0	2.6
47.2	26	47.9	2.5
47.8	27	48.8	2.4
48.5	28	49.7	2.3
49.1	29	50.4	2.2
49.7	30	51.2	2.1
50.2	31	51.9	2.1
50.7	32	52.5	2.0
51.2	33	53.2	2.0
51.7	34	53.8	2.0
52.2	35	54.4	2.0
52.7	36	55.0	1.9
53.2	37	55.6	1.9
53.7	38	56.1	1.9
54.1	39	56.7	1.9
54.6	40	57.2	1.9
55.1	41	57.8	1.9
55.6	42	58.3	1.9
56.0	43	58.8	1.9
56.5	44	59.4	1.9
57.0	45	59.9	1.9
57.5	46	60.5	1.9
58.0	47	61.0	1.9
58.5	48	61.5	1.9
59.0	49	62.0	1.9

Neuro-QoL Peds Depression T-Score	Neuro-QoL Peds Depression Raw Score	PROMIS Peds Depressive Sx T-Score	SE
59.5	50	62.6	1.9
60.0	51	63.1	1.9
60.5	52	63.6	1.9
61.0	53	64.2	1.9
61.4	54	64.7	1.9
61.9	55	65.2	1.9
62.4	56	65.7	1.9
62.9	57	66.3	1.9
63.4	58	66.8	1.9
63.8	59	67.3	1.9
64.3	60	67.9	1.9
64.8	61	68.4	1.9
65.2	62	68.9	1.9
65.7	63	69.4	1.9
66.1	64	70.0	1.9
66.6	65	70.5	1.9
67.0	66	71.0	1.9
67.5	67	71.6	1.9
67.9	68	72.1	1.9
68.4	69	72.6	1.9
68.8	70	73.2	1.9
69.3	71	73.8	1.9
69.8	72	74.3	1.9
70.3	73	74.9	1.9
70.8	74	75.5	1.9
71.3	75	76.2	2.0
71.9	76	76.8	2.0
72.4	77	77.5	2.0
73.1	78	78.2	2.1
73.7	79	79.0	2.2
74.5	80	79.9	2.3
75.3	81	80.8	2.4
76.3	82	81.9	2.5
77.5	83	83.0	2.6
79.1	84	84.3	2.6
81.6	85	85.7	2.5