

Appendix Table 31: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for Neuro-QoL Fatigue Full Item Bank and PROMIS Fatigue (PROsetta Stone Wave 1 Study)

Neuro-QoL Fatigue T-Score	Neuro-QoL Fatigue Raw Score	PROMIS T-score	SE
28.1	19	30.7	4.8
32.1	20	35.3	3.3
33.9	21	37.7	2.8
35.4	22	39.4	2.5
36.5	23	40.8	2.3
37.5	24	42	2.1
38.3	25	43	2
39.0	26	43.9	1.9
39.7	27	44.7	1.8
40.3	28	45.5	1.8
40.9	29	46.2	1.7
41.5	30	46.8	1.7
42.0	31	47.4	1.6
42.5	32	48	1.6
43.0	33	48.6	1.6
43.5	34	49.1	1.5
43.9	35	49.6	1.5
44.4	36	50.2	1.5
44.8	37	50.7	1.5
45.3	38	51.1	1.5
45.7	39	51.6	1.5
46.1	40	52.1	1.5
46.5	41	52.5	1.5
47.0	42	53	1.4
47.4	43	53.4	1.4
47.8	44	53.9	1.4
48.2	45	54.3	1.4
48.7	46	54.7	1.4
49.1	47	55.2	1.4
49.5	48	55.6	1.4
50.0	49	56	1.4
50.4	50	56.5	1.4
50.8	51	56.9	1.4
51.3	52	57.3	1.4
51.7	53	57.8	1.4
52.2	54	58.2	1.4
52.6	55	58.6	1.4

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53.1	56	59.1	1.4
53.5	57	59.5	1.4
54.0	58	59.9	1.4
54.4	59	60.4	1.4
54.9	60	60.8	1.5
55.3	61	61.2	1.5
55.8	62	61.7	1.5
56.2	63	62.1	1.5
56.7	64	62.6	1.5
57.1	65	63	1.5
57.6	66	63.5	1.5
58.1	67	63.9	1.5
58.6	68	64.4	1.5
59.0	69	64.9	1.5
59.5	70	65.3	1.5
60.0	71	65.8	1.5
60.5	72	66.3	1.5
61.0	73	66.8	1.5
61.5	74	67.2	1.5
62.0	75	67.7	1.5
62.5	76	68.2	1.5
63.0	77	68.7	1.5
63.5	78	69.2	1.5
64.0	79	69.7	1.5
64.5	80	70.2	1.5
65.1	81	70.8	1.5
65.6	82	71.3	1.5
66.2	83	71.8	1.5
66.8	84	72.4	1.5
67.4	85	73	1.5
68.0	86	73.5	1.6
68.7	87	74.2	1.6
69.4	88	74.8	1.7
70.2	89	75.5	1.7
71.1	90	76.3	1.8
72.1	91	77.2	1.9
73.2	92	78.2	2.1
74.7	93	79.5	2.4
76.6	94	81.1	2.7
79.5	95	83.3	3