

Appendix Table 69: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for NIH Toolbox Meaning and Neuro-QoL Positive Affect & Well-being (PROsetta Stone Wave 2 Study) – RECOMMENDED

NIH Toolbox Meaning T-Score	NIH Toolbox Meaning Raw Score	Neuro-QoL Positive Affect & Well-being T-Score	SE
11.9	18	20.4	4
12.2	19	23.0	3.5
12.7	20	24.8	3.2
13.3	21	26.2	3
14.1	22	27.4	2.8
14.9	23	28.4	2.7
15.9	24	29.3	2.5
16.9	25	30.2	2.4
17.8	26	31.0	2.4
18.8	27	31.7	2.3
19.7	28	32.4	2.2
20.5	29	33.0	2.2
21.3	30	33.6	2.1
22.1	31	34.2	2.1
22.8	32	34.8	2.1
23.6	33	35.4	2.1
24.3	34	35.9	2
25	35	36.4	2
25.6	36	36.9	2
26.3	37	37.4	2
26.9	38	37.9	2
27.6	39	38.4	2
28.2	40	38.9	2
28.8	41	39.4	2
29.5	42	39.9	2
30.1	43	40.3	2
30.7	44	40.8	2
31.3	45	41.3	2
31.9	46	41.7	2
32.5	47	42.2	2
33.1	48	42.6	2
33.7	49	43.1	2
34.3	50	43.6	2
34.9	51	44.0	2

NIH Toolbox Meaning T-Score	NIH Toolbox Meaning Raw Score	Neuro-QoL Positive Affect & Well-being T-Score	SE
35.5	52	44.5	2
36.1	53	44.9	2
36.7	54	45.4	2
37.3	55	45.9	2
37.9	56	46.3	2
38.5	57	46.8	2
39.1	58	47.3	2
39.7	59	47.8	2
40.3	60	48.2	2
40.9	61	48.7	2
41.5	62	49.2	2
42.2	63	49.7	2
42.8	64	50.2	2
43.5	65	50.7	2
44.1	66	51.2	2.1
44.8	67	51.8	2.1
45.5	68	52.3	2.1
46.2	69	52.8	2.1
46.9	70	53.4	2.1
47.6	71	54.0	2.1
48.4	72	54.5	2.1
49.1	73	55.1	2.1
49.9	74	55.7	2.2
50.7	75	56.3	2.2
51.5	76	57.0	2.2
52.4	77	57.6	2.2
53.2	78	58.3	2.2
54.1	79	59.0	2.3
55.1	80	59.8	2.3
56	81	60.6	2.4
57.1	82	61.4	2.5
58.2	83	62.4	2.5
59.4	84	63.4	2.7
60.7	85	64.5	2.8
62.1	86	65.7	3
63.8	87	67.1	3.2
65.8	88	68.8	3.5
68.4	89	71.1	4
71.9	90	74.3	4.7