

**Appendix Table 48: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for PROMIS Sleep-related Impairment Full Item Bank and PROMIS Sleep Disturbance (PROsetta Stone Wave 2 Study)**

<b>PROMIS Sleep-related Impairment T-Score</b>	<b>PROMIS Sleep-related Impairment Raw Score</b>	<b>PROMIS Sleep Disturbance T-score</b>	<b>SE</b>
26.2	16	27.3	5.2
30.0	17	31.0	4.5
32.7	18	33.6	4.1
34.9	19	35.6	3.8
36.8	20	37.3	3.6
38.4	21	38.8	3.4
39.9	22	40.2	3.2
41.2	23	41.4	3
42.4	24	42.5	2.9
43.5	25	43.5	2.8
44.5	26	44.4	2.6
45.5	27	45.3	2.5
46.4	28	46.1	2.4
47.3	29	46.9	2.4
48.1	30	47.6	2.3
48.9	31	48.3	2.2
49.6	32	49.0	2.2
50.3	33	49.6	2.1
51.0	34	50.2	2.1
51.7	35	50.8	2.1
52.3	36	51.4	2.1
53.0	37	52.0	2
53.6	38	52.5	2
54.2	39	53.1	2
54.8	40	53.6	2
55.4	41	54.1	2
55.9	42	54.6	2
56.5	43	55.2	2
57.1	44	55.7	2
57.7	45	56.2	2

58.3	46	56.7	2
58.8	47	57.2	2
59.4	48	57.7	2
60.0	49	58.2	1.9
60.5	50	58.7	1.9
61.1	51	59.2	1.9
61.6	52	59.7	1.9
62.2	53	60.2	1.9
62.7	54	60.7	1.9
63.3	55	61.2	1.9
63.8	56	61.7	1.9
64.4	57	62.2	1.9
64.9	58	62.7	1.9
65.5	59	63.2	1.9
66.1	60	63.7	1.9
66.6	61	64.2	1.9
67.2	62	64.8	2
67.8	63	65.3	2
68.4	64	65.8	2
69.0	65	66.4	2
69.6	66	66.9	2
70.2	67	67.5	2
70.9	68	68.1	2.1
71.6	69	68.7	2.1
72.3	70	69.4	2.1
73.0	71	70.1	2.2
73.8	72	70.8	2.3
74.6	73	71.6	2.4
75.5	74	72.4	2.5
76.4	75	73.3	2.6
77.5	76	74.4	2.8
78.7	77	75.5	3
80.0	78	76.9	3.2
81.5	79	78.5	3.4
83.3	80	80.9	3.7