

Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for NRS to PROMIS Fatigue, Pain Intensity, Sleep Disturbance, Anxiety & Depression

NRS Score	PROMIS Fatigue		PROMIS Pain Intensity		PROMIS Sleep Disturbance ¹		PROMIS Anxiety		PROMIS Depression	
	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE
0	37.6	6.3	37.8	6.4	34.9	6.7	39.9	6.8	41.5	6.7
1	44.7	4.8	45.7	5	41	5.5	47.4	5.1	49.9	4.3
2	48.2	4.6	50.4	4.8	45.6	5.3	50.9	5	52.9	4.3
3	50.9	4.6	54.1	4.8	49.5	5.2	53.6	5	55.4	4.3
4	53.1	4.6	56.9	4.8	52.3	5.1	55.6	5.1	57.4	4.3
5	55.3	4.7	59.3	4.9	55	5.2	57.4	5.1	59.4	4.4
6	57.8	4.7	62.2	5.1	57.6	5.3	59.4	5.2	61.3	4.4
7	60.5	4.9	64.9	5.3	60.3	5.5	61.6	5.4	63.3	4.6
8	64.3	5.2	68.1	5.7	63.6	5.8	64.1	5.6	66.2	4.8
9	68	5.5	71.4	6.1	66.8	6.1	67.4	6.1	69.2	5.0
10	72.2	6.4	74.9	6.8	70.5	7.0	71.9	7	73.5	5.9

¹The NRS item asked sleep quality rather than sleep disturbance, so was reverse-coded.