

Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for PRO-CTCAE to PROMIS Fatigue, Pain Intensity & Interference, Sleep Disturbance, Anxiety & Depression - Concurrent Calibration with Stocking-Lord Linking Constants

PRO-CTCAE Score	Fatigue-Severity of fatigue at the worst		Fatigue-Interference with activities		Pain Intensity-Severity of pain at its worst		Pain Interference-Interference with activities		Sleep-Severity of insomnia at its worst		Sleep-Interference with activities	
	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE
1	37.8	6.1	40.0	6.1	36.2	5.7	43.3	6.8	39.7	6.5	42.1	7.1
2	47.7	4.8	50.0	4.0	47.5	5.0	54.2	4.0	48.7	4.8	51.4	5.4
3	55.8	4.7	56.7	3.8	57.1	4.5	59.8	3.9	55.7	5.0	57.5	5.5
4	63.0	4.7	63.1	4.1	55.5	4.6	65.2	4.1	63.2	5.2	63.5	6.0
5	70.2	5.7	71.1	4.9	74.0	5.2	71.9	5.1	70.6	6.0	70.0	6.9

PRO-CTCAE Score	Anxiety-Severity of anxiety at the worst		Depression Frequency-Feeling nothing could cheer you up		Depression Severity-Feeling nothing could cheer you up		Depression Interference-Nothing could cheer you up		Depression Frequency-Sad/unhappy feelings		Depression Severity-Sad/unhappy feelings		Depression Interference-Sad/unhappy feelings	
	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE	T-Score	SE
1	40.7	6.6	43.0	6.9	43.6	6.9	44.4	7.2	38.4	6.1	39.7	6.3	43.5	7.1
2	51.0	4.9	53.5	4.3	54.6	4.0	55.8	4.3	48.4	4.8	50.2	5.0	54.3	4.5
3	58.6	4.9	59.6	4.5	60.8	4.2	61.5	4.4	56.3	4.6	58.5	4.8	60.3	4.5
4	65.5	5.1	65.4	4.6	67.2	4.2	66.7	4.6	63.7	4.9	65.0	4.7	65.7	4.8
5	72.4	5.9	71.6	5.5	73.7	5.1	72.8	5.5	71.8	5.6	70.6	5.8	72.0	5.7

For details, see Lee et al (2020), J Patient Rep Outcomes 4, 106 (2020). <https://doi.org/10.1186/s41687-020-00271-0>