

Supplementary Table 3. Item fits, slope, threshold parameters of the MCQI-14 using the graded response model among patients with cancer

Items	Item fits				Slope parameter (a)	Threshold parameter (b)		
	S- χ^2	df	p	RMSEA		b ₁	b ₂	b ₃
MCQ23	23.172	25	0.723	0.000	1.925	-1.212	-0.087	1.193
MCQ28	18.572	20	0.723	0.000	2.527	-1.324	-0.579	0.689
MCQ39	38.042	23	0.175	0.065	2.437	-1.572	-0.451	0.591
MCQ51	25.716	17	0.280	0.058	3.098	-1.137	-0.419	0.635
MCQ58	29.601	22	0.358	0.048	2.334	-1.328	-0.399	0.733
MCQ60	18.289	18	0.723	0.010	2.628	-1.328	-0.665	0.494
MCQ12	30.958	27	0.637	0.031	1.693	-1.383	-0.250	1.062
MCQ18	29.758	19	0.257	0.061	2.163	-1.536	-0.618	0.698
MCQ31	38.982	22	0.175	0.071	1.897	-1.146	0.022	1.412
MCQ33	14.647	26	0.963	0.000	1.805	-1.547	-0.542	0.346
MCQ42	20.903	26	0.804	0.000	2.262	-0.908	0.046	1.058
MCQ47	25.888	24	0.718	0.023	2.021	-1.268	-0.187	1.188
MCQ50	24.608	29	0.804	0.000	1.903	-0.973	0.222	1.152
MCQ54	17.764	19	0.723	0.000	2.959	-1.075	-0.273	0.717

p-values adjusted for FDR. MCQI-14, Metacognition Questionnaire-Insomnia-14 items; RMSEA, root-mean-square-error of approximation; FDR, false discovery rate