

Appendix A
Item-level Descriptive Statistics for Full Item Bank

Stem	Mean	SD	% response option 1	% response option 2	% response option 3	% response option 4	% response option 5	% missing
unpleasant?	1.76	0.43	24.2	75.16	.	.	.	0.64
miserable?	1.51	0.5	48.39	51.18	.	.	.	0.43
worrying?	1.43	0.5	56.53	42.83	.	.	.	0.64
agonizing?	1.4	0.49	58.89	39.83	.	.	.	1.28
distressing?	1.42	0.49	57.17	42.18	.	.	.	0.64
excruciating?	1.36	0.48	63.17	36.19	.	.	.	0.64
nauseating?	1.3	0.46	67.02	28.27	.	.	.	4.71
dreadful?	1.4	0.49	59.53	40.26	.	.	.	0.21
horrible?	1.53	0.5	47.11	52.68	.	.	.	0.21
awful?	1.58	0.49	41.54	58.24	.	.	.	0.21
sickening?	1.38	0.49	61.46	38.33	.	.	.	0.21
tiring?	1.65	0.48	35.12	64.45	.	.	.	0.43
uncomfortable?	1.8	0.4	19.91	80.09	.	.	.	.
unending?	1.46	0.5	53.32	46.04	.	.	.	0.64
stressful?	1.58	0.49	40.47	55.67	.	.	.	3.85
intolerable?	1.4	0.49	59.74	39.19	.	.	.	1.07
cruel?	1.32	0.47	67.24	32.33	.	.	.	0.43
torturing?	1.32	0.47	67.24	32.12	.	.	.	0.64
unbearable?	1.42	0.49	57.39	41.54	.	.	.	1.07
annoying?	1.76	0.43	23.77	75.8	.	.	.	0.43
nagging?	1.51	0.5	48.39	50.75	.	.	.	0.86
weird?	1.4	0.49	60.17	39.61	.	.	.	0.21
uncontrollable?	1.49	0.5	46.9	44.97	.	.	.	8.14
tight?	2.48	1.4	33.62	23.98	15.85	13.49	12.85	0.21
numb?	1.74	1.11	60.81	16.92	14.13	3.43	4.5	0.21
cramping?	2.13	1.32	46.04	21.2	13.7	10.92	7.92	0.21
pulsing?	2.14	1.32	46.9	18.42	16.06	10.71	7.71	0.21
tingly?	1.93	1.23	52.25	21.63	14.13	4.5	7.49	.
sore?	3.03	1.43	19.27	21.63	17.56	19.7	21.63	0.21
hot?	1.9	1.21	53.53	22.7	8.99	9.21	5.35	0.21
sharp?	2.58	1.46	32.98	22.27	13.92	15.85	14.99	.
squeezing?	1.97	1.28	53.53	18.84	12.21	8.35	7.07	.
throbbing?	2.54	1.46	36.19	17.34	17.56	13.92	14.78	0.21
stabbing?	2.24	1.46	47.75	17.34	11.78	9.85	13.28	.
spreading?	2.13	1.33	46.9	19.06	16.7	8.14	8.99	0.21
stinging?	1.82	1.16	57.82	18.42	12.21	6.85	4.5	0.21

tearing (ripping)?	1.67	1.13	65.95	15.63	8.14	5.35	4.71	0.21
pounding?	2.31	1.39	40.9	19.91	16.92	10.28	11.56	0.43
shoot to a different part of your body?	2.21	1.41	46.47	18.2	15.63	7.28	12.42	.
splitting?	1.69	1.11	63.38	17.34	8.99	5.35	4.28	0.64
sensitive?	2.56	1.46	33.62	21.63	15.42	13.49	15.63	0.21
like pins and needles?	2.09	1.36	49.68	19.91	12.21	7.28	10.49	0.43
deep?	2.49	1.47	37.47	18.42	15.2	14.56	14.13	0.21
constant?	2.81	1.53	28.48	19.49	16.06	13.7	22.06	0.21
pulling?	1.79	1.17	58.67	19.7	10.71	5.35	5.57	.
electrical?	1.52	1.08	75.37	10.71	5.14	4.07	4.71	.
drilling?	1.71	1.17	65.1	14.56	8.57	6.85	4.71	0.21
pinching?	1.8	1.15	58.46	17.77	12.85	6.42	4.28	0.21
steady?	2.44	1.4	35.76	20.99	17.77	13.06	11.99	0.43
achy?	3	1.44	21.41	18.42	18.63	21.2	20.13	0.21
move to a different part of your body?	2.34	1.44	41.54	19.7	14.56	10.49	13.28	0.43
itchy?	1.44	0.92	76.66	9.85	7.71	3.85	1.71	0.21
cold?	1.52	1.02	73.45	11.13	7.92	4.5	3	.
tugging?	1.73	1.12	61.46	16.7	12.42	4.5	4.5	0.43
tender?	2.43	1.43	38.54	18.63	15.85	14.56	11.99	0.43
burning?	1.75	1.19	63.6	15.2	9.64	6	5.57	.

Appendix B

Raw Score Conversion to T-Score Look-Up Table for PROMIS Pediatric Pain Quality - Item Bank

Raw Summed Score*	T-Score	Standard Error
59	26.0	4.8
60	28.2	4.6
61	29.9	4.4
62	31.2	4.2
63	32.2	4.2
64	33.4	3.9
65	34.4	3.7
66	35.4	3.5
67	36.2	3.3
68	37.0	3.1
69	37.8	2.9
70	38.5	2.8
71	39.1	2.6
72	39.7	2.5
73	40.2	2.4
74	40.8	2.3
75	41.2	2.3
76	41.7	2.2
77	42.2	2.1
78	42.6	2.1
79	43.0	2.0
80	43.4	2.0
81	43.7	1.9
82	44.1	1.9
83	44.4	1.9
84	44.8	1.8
85	45.1	1.8
86	45.4	1.8
87	45.7	1.7
88	46.0	1.7
89	46.3	1.7
90	46.5	1.7
91	46.8	1.6
92	47.1	1.6
93	47.3	1.6
94	47.6	1.6
95	47.9	1.6
96	48.1	1.5
97	48.3	1.5
98	48.6	1.5

99	48.8	1.5
100	49.0	1.5
101	49.3	1.5
102	49.5	1.5
103	49.7	1.5
104	49.9	1.4
105	50.1	1.4
106	50.3	1.4
107	50.6	1.4
108	50.8	1.4
109	51.0	1.4
110	51.2	1.4
111	51.4	1.4
112	51.6	1.4
113	51.8	1.4
114	52.0	1.4
115	52.2	1.4
116	52.3	1.4
117	52.5	1.4
118	52.7	1.4
119	52.9	1.4
120	53.1	1.4
121	53.3	1.4
122	53.5	1.4
123	53.7	1.4
124	53.9	1.4
125	54.0	1.4
126	54.2	1.4
127	54.4	1.4
128	54.6	1.4
129	54.8	1.4
130	55.0	1.4
131	55.2	1.4
132	55.3	1.4
133	55.5	1.4
134	55.7	1.4
135	55.9	1.4
136	56.1	1.4
137	56.3	1.4
138	56.4	1.4
139	56.6	1.4
140	56.8	1.4
141	57.0	1.4
142	57.2	1.4
143	57.3	1.4
144	57.5	1.4

145	57.7	1.4
146	57.9	1.4
147	58.1	1.4
148	58.3	1.4
149	58.5	1.4
150	58.6	1.4
151	58.8	1.4
152	59.0	1.4
153	59.2	1.4
154	59.4	1.4
155	59.6	1.4
156	59.8	1.5
157	60.0	1.5
158	60.2	1.5
159	60.4	1.5
160	60.6	1.5
161	60.8	1.5
162	61.0	1.5
163	61.1	1.5
164	61.3	1.5
165	61.5	1.5
166	61.8	1.5
167	62.0	1.5
168	62.2	1.5
169	62.4	1.5
170	62.6	1.5
171	62.8	1.5
172	63.0	1.6
173	63.2	1.6
174	63.4	1.6
175	63.6	1.6
176	63.9	1.6
177	64.1	1.6
178	64.3	1.6
179	64.5	1.6
180	64.8	1.6
181	65.0	1.6
182	65.2	1.7
183	65.5	1.7
184	65.7	1.7
185	66.0	1.7
186	66.2	1.7
187	66.5	1.7
188	66.7	1.7
189	67.0	1.8
190	67.2	1.8

191	67.5	1.8
192	67.8	1.8
193	68.1	1.8
194	68.4	1.9
195	68.7	1.9
196	69.0	1.9
197	69.3	1.9
198	69.6	2.0
199	69.9	2.0
200	70.2	2.0
201	70.6	2.1
202	70.9	2.1
203	71.3	2.2
204	71.7	2.2
205	72.1	2.3
206	72.5	2.3
207	72.9	2.4
208	73.3	2.4
209	73.8	2.5
210	74.3	2.6
211	74.8	2.7
212	75.3	2.7
213	75.8	2.8
214	76.4	2.9
215	77.0	3.0
216	77.6	3.1
217	78.3	3.2
218	79.0	3.3
219	79.7	3.4
220	80.4	3.4
221	81.1	3.4
222	81.9	3.4
223	82.6	3.4
224	83.4	3.3
225	84.2	3.2
226	85.1	3.0

*Sum the total of the 56 PROMIS items, then use this table to convert to a standardized T-score metric.

Appendix C

Raw Score Conversion to T-Score Look-Up Table for PROMIS Pediatric Pain Quality – Short Form Affective Version

Raw Summed Score	T-Score	Standard Error
8	34.6	5.7
9	39.9	4.4
10	43.5	3.6
11	46.5	3.1
12	49.0	2.9
13	51.4	2.9
14	54.0	3.3
15	57.5	4.2
16	63.0	5.8

Appendix D

Raw Score Conversion to T-Score Look-Up Table for PROMIS® Pediatric Pain Quality – Short Form Sensory Version

Raw Summed Score	T-Score	Standard Error
8	32.2	5.5
9	36.6	4.5
10	38.9	4.3
11	40.7	4.1
12	42.2	3.9
13	43.7	3.7
14	45.0	3.6
15	46.2	3.5
16	47.3	3.4
17	48.4	3.3
18	49.4	3.2
19	50.3	3.2
20	51.2	3.1
21	52.1	3.1
22	53.0	3.1
23	53.9	3.0
24	54.7	3.0
25	55.6	3.0
26	56.5	3.0
27	57.3	3.0
28	58.2	3.1
29	59.1	3.1
30	60.0	3.1
31	60.9	3.2
32	61.9	3.2
33	62.9	3.3
34	64.0	3.4
35	65.2	3.5
36	66.5	3.7
37	67.8	3.8
38	69.3	4.0
39	71.0	4.1
40	74.5	4.8