

Appendix Table 21: Raw Score to T-Score Conversion Table (IRT Fixed Parameter Calibration Linking) for Pediatric Perceived Cognitive Function 30-Item Short Form and Neuro-QoL Pediatric Cognitive Function (PROsetta Stone Wave 3 Study)

Peds PCF Raw Score	Neuro-QoL Ped Cognitive Function T-Score	SE	Peds PCF Raw Score	Neuro-QoL Ped Cognitive Function T-Score	SE
30	13.9	2.4	91	39.9	1.4
31	15.0	2.6	92	40.1	1.4
32	16.2	2.7	93	40.4	1.4
33	17.3	2.6	94	40.7	1.4
34	18.4	2.6	95	41.0	1.4
35	19.3	2.4	96	41.3	1.4
36	20.2	2.3	97	41.5	1.4
37	20.9	2.2	98	41.8	1.4
38	21.7	2.1	99	42.1	1.4
39	22.3	2.0	100	42.4	1.4
40	22.9	1.9	101	42.7	1.4
41	23.5	1.9	102	43.0	1.4
42	24.0	1.8	103	43.3	1.4
43	24.5	1.8	104	43.6	1.4
44	25.0	1.7	105	43.9	1.4
45	25.5	1.7	106	44.2	1.4
46	25.9	1.7	107	44.4	1.4
47	26.3	1.6	108	44.7	1.4
48	26.7	1.6	109	45.0	1.4
49	27.1	1.6	110	45.4	1.4
50	27.5	1.6	111	45.7	1.4
51	27.9	1.5	112	46.0	1.4
52	28.3	1.5	113	46.3	1.4
53	28.6	1.5	114	46.6	1.4
54	29.0	1.5	115	46.9	1.4
55	29.3	1.5	116	47.2	1.4
56	29.7	1.5	117	47.5	1.4
57	30.0	1.5	118	47.9	1.4
58	30.3	1.4	119	48.2	1.4
59	30.6	1.4	120	48.5	1.4
60	30.9	1.4	121	48.9	1.5
61	31.3	1.4	122	49.2	1.5
62	31.6	1.4	123	49.6	1.5
63	31.9	1.4	124	49.9	1.5
64	32.2	1.4	125	50.3	1.5
65	32.5	1.4	126	50.6	1.5
66	32.8	1.4	127	51.0	1.5
67	33.1	1.4	128	51.4	1.5

Peds PCF Raw Score	Neuro-QoL Ped Cognitive Function T-Score	SE	Peds PCF Raw Score	Neuro-QoL Ped Cognitive Function T-Score	SE
68	33.4	1.4	129	51.7	1.5
69	33.7	1.4	130	52.1	1.5
70	33.9	1.4	131	52.5	1.5
71	34.2	1.4	132	52.9	1.5
72	34.5	1.4	133	53.3	1.5
73	34.8	1.4	134	53.8	1.6
74	35.1	1.4	135	54.2	1.6
75	35.4	1.4	136	54.7	1.6
76	35.7	1.4	137	55.2	1.7
77	35.9	1.4	138	55.7	1.7
78	36.2	1.4	139	56.2	1.7
79	36.5	1.4	140	56.8	1.8
80	36.8	1.4	141	57.4	1.9
81	37.1	1.4	142	58.0	2.0
82	37.3	1.4	143	58.7	2.1
83	37.6	1.4	144	59.6	2.2
84	37.9	1.4	145	60.5	2.4
85	38.2	1.4	146	61.6	2.6
86	38.5	1.4	147	62.8	2.9
87	38.7	1.4	148	64.4	3.3
88	39.0	1.4	149	66.6	3.7
89	39.3	1.4	150	70.3	4.9
90	39.6	1.4			

Pediatric Perceived Cognitive Function 30-Item Short Form

ItemID	Item Context	Item Stem	Responses (Higher Scores = Better Function)
CaPSPC10_2C	In the past 4 weeks,	It is hard for me to find my way to a place that I have visited several times before	5= None of the time 4= A little of the time 3= Some of the time 3= Most of the time 1= All of the time
CaPSPC11_2C	In the past 4 weeks,	I have trouble remembering where I put things, like my watch or my homework	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
CaPSPC26_2C	In the past 4 weeks,	I have trouble remembering the names of people I have just met	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG40_2_1C	In the past 4 weeks,	It is hard for me to take notes in class	5= Not at all 4= A little bit 3= Somewhat 2= Quite a bit 1= Very much x= Not applicable (I have not been in school at all in the last 4 weeks)
NQCOG40_2C	In the past 4 weeks,	It is hard for me to learn new things	5= Not at all 4= A little bit 3= Somewhat 2= Quite a bit 1= Very much
NQCOG42_2C	In the past 4 weeks,	It is hard for me to understand pictures that show how to make something	5= Not at all 4= A little bit 3= Somewhat 2= Quite a bit 1= Very much

NQCOG44_2_2C	In the past 4 weeks,	It is hard for me to pay attention to something boring I have to do	5= Not at all 4= A little bit 3= Somewhat 2= Quite a bit 1= Very much
NQCOG44_2C	In the past 4 weeks,	It is hard for me to pay attention to one thing for more than 5-10 minutes	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG62_2C	In the past 4 weeks,	I have trouble recalling the names of things	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG65_2C	In the past 4 weeks,	I have trouble keeping track of what I am doing if I get interrupted	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG66_2C	In the past 4 weeks,	It is hard for me to do more than one thing at a time	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG68_2_1C	In the past 4 weeks,	I forget what my parents or teachers ask me to do	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG69_2C	In the past 4 weeks,	I walk into a room and forget what I wanted to get or do	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time

NQCOG70_2C	In the past 4 weeks,	I have trouble remembering the names of people I know	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG78_2_1C	In the past 4 weeks,	It is hard for me to add or subtract numbers in my head	5= Not at all 4= A little bit 3= Somewhat 2= Quite a bit 1= Very much
NQCOG82_2C	In the past 4 weeks,	I have trouble remembering the date or day of the week	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
NQCOG85_2C	In the past 4 weeks,	When I have a big project to do, I have trouble deciding where to start	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pB8_FC	In the past 4 weeks,	I forget things easily	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pB9_FC	In the past 4 weeks,	It is hard for me to concentrate in school	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time x= Not applicable (I have not been in school at all in the last 4 weeks)
pB10_FC	In the past 4 weeks,	I have to read things several times to understand them	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time

pB11r_FC	In the past 4 weeks,	I react slower than most people my age when I play games	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pB12_FC	In the past 4 weeks,	It is hard for me to find the right words to say what I mean	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pedsPCF1_FC	In the past 4 weeks,	I have a hard time keeping track of my homework	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time x= Not applicable (I have not been in school at all in the last 4 weeks)
pedsPCF2_FC	In the past 4 weeks,	I forget to bring things to and from school that I need for homework	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time x= Not applicable (I have not been in school at all in the last 4 weeks)
pedsPCF3_FC	In the past 4 weeks,	I forget what I am going to say	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pedsPCF4_FC	In the past 4 weeks,	It takes me longer than other people to get my school work done	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time x= Not applicable (I have not been in school at all in the last 4 weeks)

pedsPCF5_FC	In the past 4 weeks,	I have to use written lists more often than other people my age so I will not forget things	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pedsPCF6_FC	In the past 4 weeks,	I have trouble remembering to do things like school projects or chores	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time
pedsPCF7_FC	In the past 4 weeks,	I have trouble paying attention to the teacher	5= None of the time 4= A little of the time 3= Some of the time 2= Most of the time 1= All of the time x= Not applicable (I have not been in school at all in the last 4 weeks)
pedsPCF8_FC	In the past 4 weeks,	I have to work really hard to pay attention or I make mistakes	1= None of the time 2= A little of the time 3= Some of the time 4= Most of the time 5= All of the time