

# Scoring Instructions for NIH Toolbox® Emotion Measures: Raw Score to T-Score Conversion Tables

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3/19/2019



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## Instructions for Using Raw Score to T-score Conversion Tables for NIH Toolbox® Emotion Instruments

### NIH Toolbox Uses T-scores

All analyses using NIH Toolbox Emotion measures should be conducted with T-scores. T-scores are standard scores in which 50 represents the mean of the US general population (based on the 2010 Census) and 10 represents the general population standard deviation. We call this T-score “uncorrected” because it has not been corrected for any particular demographic category, such as gender. Age- and gender-corrected norms for child and parent-report measures are available through the NIH Toolbox iPad app.

### Types of NIH Toolbox Emotion Measures

NIH Toolbox Emotion measures can be administered as a CAT (tailored selection and administration of items from an item bank) or as a fixed length form. There is a table below for all emotion fixed length forms. These are titled “Fixed Form” or “FF”. Sometimes, a table is available if all items within an item bank were administered. These are labeled “Bank”. If all items in an item bank are included in a fixed form, the table is labeled “Bank/Fixed Form”.

### Scoring Instructions

Below are tables to convert raw summed scores into T-scores. Some electronic delivery systems (e.g., the NIH Toolbox iPad app, Assessment Center, Healthmeasures API) automatically provide normative scoring. If you are administering fixed forms on paper or outside of one of these systems, you will need to convert the raw summed score to the uncorrected T-score with the tables below.

First, find the table labeled with the name of the measure you wish to score. Then, follow these steps:

1. To obtain a summed score, add up the numbers assigned to each item’s response category, which are indicated on the PDF forms (obtained from <http://www.healthmeasures.net/search-view-measures>). For example:

		Not at all	A little bit	Somewhat	Quite a bit	Very much
PA001	I felt cheerful .....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
PA002	I felt attentive.....	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5

Note that the lowest number that may be assigned to any single item is always 1. So, the lowest score a participant may obtain, for example, on an 8-item fixed form is therefore 8. The sum of these scores for any one instrument is the **Raw Summed Score**.

2. Using the appropriate table below, find the row that corresponds to the raw summed score you calculated in step 1. Then, find the equivalent **Uncorrected T-score** in the same row. Use this number for reporting of summary results (e.g., group means).

#### Missing Item Responses

If an item is not answered by a given participant, you may substitute the mean score of the answered items (e.g., 3.5) as a substitute for the missing item. To do this, take the sum of the scores for the items answered, and divide this by the number of items the participant completed. We caution, however, that this should only be done when relatively few items are missing (e.g., less than 20%), for relatively few participants (less than 10%), and if your study aims to report group-level (not individual) scores. For additional scoring options when data are missing and for further consultation, please contact [help@healthmeasures.net](mailto:help@healthmeasures.net)

<b>NIH Toolbox Anger - Affect Bank/Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-1.85	0.59	36
6	-1.36	0.52	40.3
7	-1.04	0.5	43
8	-0.75	0.48	45.5
9	-0.48	0.47	47.8
10	-0.24	0.47	49.8
11	-0.01	0.47	51.8
12	0.21	0.46	53.7
13	0.42	0.46	55.5
14	0.63	0.46	57.3
15	0.83	0.46	59
16	1.03	0.46	60.7
17	1.23	0.46	62.4
18	1.43	0.45	64.2
19	1.63	0.45	65.9
20	1.84	0.45	67.7
21	2.04	0.45	69.4
22	2.26	0.45	71.3
23	2.49	0.46	73.3
24	2.75	0.47	75.4
25	3.02	0.46	77.8

<b>NIH Toolbox Anger Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
5	-1.71	0.53	31.7
6	-1.19	0.4	37.6
7	-0.87	0.37	41.3
8	-0.6	0.35	44.3
9	-0.37	0.34	46.9
10	-0.16	0.33	49.4
11	0.05	0.33	51.8
12	0.26	0.32	54.1
13	0.47	0.32	56.5
14	0.67	0.32	58.8
15	0.88	0.32	61.1
16	1.08	0.32	63.4
17	1.29	0.32	65.8
18	1.5	0.32	68.2
19	1.72	0.32	70.7
20	1.94	0.33	73.2
21	2.17	0.33	75.8
22	2.41	0.33	78.5
23	2.68	0.33	81.5
24	2.96	0.34	84.8
25	3.28	0.34	88.4

<b>NIH Toolbox Anger - Hostility Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-1.34	0.6	36.3
6	-0.75	0.48	42.5
7	-0.43	0.45	46.1
8	-0.21	0.46	48.4
9	-0.04	0.47	50.2
10	0.12	0.47	52
11	0.26	0.47	53.4
12	0.39	0.46	54.8
13	0.51	0.46	56.2
14	0.63	0.45	57.4
15	0.74	0.45	58.7
16	0.85	0.45	59.8
17	0.96	0.44	60.9
18	1.06	0.44	62
19	1.16	0.44	63.1
20	1.25	0.44	64.1
21	1.35	0.44	65.2
22	1.44	0.44	66.2
23	1.54	0.44	67.2
24	1.63	0.44	68.2
25	1.73	0.44	69.2
26	1.82	0.43	70.2
27	1.92	0.43	71.3
28	2.04	0.45	72.6
29	2.11	0.42	73.4
30	2.27	0.46	75
31	2.28	0.36	75.1
32	2.5	0.44	77.6
33	2.66	0.45	79.3
34	2.79	0.45	80.6
35	3.02	0.45	83.1



**NIH Toolbox Parent Report Anger Bank/Fixed Form Ages  
3-7 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-1.21	0.65	36.4
10	-0.64	0.54	42.6
11	-0.23	0.48	47.1
12	0.11	0.45	50.8
13	0.41	0.43	54.1
14	0.69	0.42	57.1
15	0.95	0.42	59.9
16	1.21	0.42	62.7
17	1.46	0.42	65.4
18	1.7	0.42	68
19	1.94	0.41	70.6
20	2.17	0.41	73.2
21	2.41	0.41	75.7
22	2.64	0.41	78.2
23	2.87	0.4	80.7
24	3.09	0.39	83.1
25	3.3	0.37	85.3
26	3.47	0.33	87.2
27	3.59	0.29	88.6

**NIH Toolbox Parent Report Anger Bank/Fixed Form Ages 8-12  
v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-1.43	0.59	35
11	-0.92	0.47	40.4
12	-0.55	0.4	44.1
13	-0.28	0.35	47
14	-0.05	0.32	49.4
15	0.16	0.3	51.5
16	0.35	0.29	53.4
17	0.52	0.28	55.3
18	0.7	0.28	57
19	0.86	0.28	58.7
20	1.01	0.28	60.2
21	1.15	0.28	61.7
22	1.29	0.28	63.2
23	1.43	0.27	64.6
24	1.57	0.26	66
25	1.69	0.26	67.3
26	1.81	0.25	68.6
27	1.93	0.25	69.7
28	2.04	0.24	70.9
29	2.15	0.24	72
30	2.26	0.24	73.1
31	2.37	0.25	74.3
32	2.48	0.25	75.5
33	2.6	0.25	76.7
34	2.72	0.26	78
35	2.85	0.27	79.3
36	2.99	0.28	80.7
37	3.14	0.29	82.2
38	3.29	0.29	83.9
39	3.45	0.28	85.5
40	3.6	0.25	87.1

<b>NIH Toolbox Anger - Physical Aggression Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-0.66	0.73	42.1
6	0.08	0.54	50.5
7	0.35	0.51	53.4
8	0.44	0.53	54.5
9	0.6	0.52	56.2
10	0.77	0.48	58.2
11	0.83	0.52	58.9
12	1.03	0.42	61.1
13	1.15	0.4	62.4
14	1.25	0.39	63.6
15	1.35	0.38	64.7
16	1.44	0.37	65.8
17	1.53	0.36	66.8
18	1.62	0.35	67.8
19	1.7	0.34	68.7
20	1.79	0.34	69.6
21	1.87	0.34	70.5
22	1.95	0.33	71.4
23	2.03	0.33	72.3
24	2.11	0.33	73.2
25	2.19	0.33	74.2
26	2.27	0.33	75.1
27	2.36	0.33	76
28	2.44	0.34	77
29	2.54	0.34	78
30	2.63	0.35	79.1
31	2.72	0.34	80.1
32	2.84	0.35	81.4
33	2.95	0.36	82.7
34	3.07	0.35	84.1
35	3.3	0.36	86.6

<b>NIH Toolbox Apathy Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Scale</b>	<b>Standard Error</b>	<b>Theta</b>
7	37	5.9	-1.3
8	42.4	4.5	-0.76
9	45.7	3.9	-0.43
10	48.2	3.6	-0.18
11	50.3	3.4	0.03
12	52.3	3.3	0.23
13	54.1	3.2	0.41
14	55.8	3.2	0.58
15	57.4	3.2	0.74
16	59	3.2	0.9
17	60.6	3.2	1.06
18	62.1	3.2	1.21
19	63.7	3.2	1.37
20	65.2	3.2	1.52
21	66.7	3.2	1.67
22	68.3	3.2	1.83
23	69.9	3.3	1.99
24	71.7	3.3	2.17
25	73.5	3.5	2.35
26	75.5	3.6	2.55
27	77.8	3.8	2.78
28	80.5	4	3.05

NIH Toolbox Emotional Support Bank/Fixed Form Ages 8-17 v2.0			
Raw Sum Score	Theta Score	Theta SD	Uncorrected T- Score
7	-3.01	0.36	19.5
8	-2.72	0.3	22.5
9	-2.56	0.28	24.1
10	-2.41	0.26	25.7
11	-2.28	0.24	26.9
12	-2.16	0.23	28.2
13	-2.05	0.23	29.3
14	-1.94	0.23	30.5
15	-1.82	0.23	31.6
16	-1.7	0.24	32.8
17	-1.58	0.24	34
18	-1.46	0.24	35.3
19	-1.33	0.24	36.6
20	-1.2	0.23	38
21	-1.06	0.23	39.4
22	-0.91	0.23	40.8
23	-0.77	0.23	42.3
24	-0.62	0.23	43.8
25	-0.48	0.23	45.2
26	-0.33	0.23	46.7
27	-0.18	0.23	48.2
28	-0.03	0.23	49.8
29	0.14	0.24	51.5
30	0.32	0.26	53.4
31	0.53	0.29	55.5
32	0.82	0.36	58.5
33	1.38	0.55	64.2

**NIH Toolbox Emotional Support Bank/Fixed Form Ages 18+ v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
8	-3.41	0.27	13.4
9	-3.17	0.25	15.9
10	-2.99	0.22	17.8
11	-2.84	0.21	19.3
12	-2.72	0.2	20.7
13	-2.6	0.19	21.9
14	-2.49	0.19	23.1
15	-2.38	0.19	24.2
16	-2.28	0.19	25.3
17	-2.18	0.19	26.3
18	-2.08	0.19	27.4
19	-1.98	0.19	28.5
20	-1.87	0.19	29.6
21	-1.76	0.2	30.7
22	-1.65	0.2	31.9
23	-1.53	0.2	33.1
24	-1.42	0.2	34.4
25	-1.3	0.2	35.6
26	-1.19	0.2	36.8
27	-1.07	0.19	38
28	-0.96	0.19	39.2
29	-0.85	0.19	40.4
30	-0.73	0.19	41.6
31	-0.62	0.2	42.7
32	-0.5	0.2	44
33	-0.39	0.2	45.2
34	-0.26	0.2	46.5
35	-0.14	0.2	47.8
36	0	0.21	49.3
37	0.16	0.23	51
38	0.36	0.27	53.1
39	0.65	0.34	56.1
40	1.25	0.56	62.4

**NIH Toolbox Parent Report Empathic Behaviors Bank/Fixed Form  
Ages 3-12 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-3.62	0.26	13.8
11	-3.52	0.29	14.8
12	-3.4	0.31	16
13	-3.27	0.32	17.3
14	-3.14	0.33	18.7
15	-3	0.32	20.1
16	-2.86	0.31	21.5
17	-2.73	0.31	22.8
18	-2.61	0.3	24.1
19	-2.48	0.3	25.4
20	-2.36	0.3	26.6
21	-2.25	0.29	27.8
22	-2.13	0.3	29
23	-2.01	0.3	30.2
24	-1.89	0.3	31.4
25	-1.77	0.3	32.6
26	-1.65	0.31	33.9
27	-1.53	0.31	35.1
28	-1.4	0.31	36.4
29	-1.28	0.31	37.7
30	-1.15	0.31	38.9
31	-1.03	0.31	40.2
32	-0.9	0.31	41.5
33	-0.77	0.31	42.8
34	-0.64	0.31	44.1
35	-0.51	0.31	45.5
36	-0.38	0.3	46.8
37	-0.25	0.3	48.1
38	-0.12	0.3	49.4
39	0.01	0.3	50.8
40	0.14	0.3	52.1
41	0.28	0.31	53.5
42	0.42	0.31	55
43	0.56	0.31	56.4
44	0.72	0.32	58
45	0.88	0.33	59.7
46	1.06	0.35	61.5
47	1.26	0.37	63.5
48	1.49	0.41	65.9
49	1.76	0.45	68.7
50	2.14	0.53	72.5

**NIH Toolbox Parent Report Fear - Over Anxious Fixed Form Ages 3-7 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
6	-1.1	0.7	37.6
7	-0.52	0.61	44.2
8	-0.06	0.57	49.4
9	0.34	0.54	53.8
10	0.7	0.53	57.9
11	1.04	0.52	61.8
12	1.36	0.52	65.4
13	1.68	0.52	69
14	2	0.53	72.6
15	2.34	0.53	76.5
16	2.69	0.51	80.4
17	3.03	0.48	84.3
18	3.35	0.41	87.9



**NIH Toolbox Parent Report Fear- Separation Anxiety Fixed Form  
Ages 3-7 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
7	-0.75	0.74	40.5
8	-0.01	0.64	49.3
9	0.5	0.58	55.4
10	0.91	0.55	60.3
11	1.27	0.53	64.6
12	1.6	0.52	68.6
13	1.91	0.5	72.3
14	2.2	0.49	75.7
15	2.48	0.49	79.1
16	2.74	0.48	82.2
17	2.99	0.46	85.2
18	3.22	0.43	87.9
19	3.41	0.38	90.2
20	3.55	0.32	91.9
21	3.66	0.27	93.2

<b>NIH Toolbox Fear Bank/Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-score</b>
8	-1.65	0.58	36.3
9	-1.2	0.49	40.7
10	-0.94	0.47	43.2
11	-0.7	0.44	45.5
12	-0.51	0.42	47.3
13	-0.33	0.4	49.1
14	-0.17	0.39	50.6
15	-0.02	0.38	52.1
16	0.12	0.38	53.4
17	0.25	0.37	54.7
18	0.38	0.37	55.9
19	0.51	0.37	57.2
20	0.63	0.37	58.4
21	0.75	0.37	59.5
22	0.87	0.37	60.7
23	0.99	0.37	61.8
24	1.1	0.37	62.9
25	1.22	0.37	64.1
26	1.34	0.36	65.2
27	1.45	0.36	66.3
28	1.57	0.36	67.4
29	1.69	0.36	68.6
30	1.81	0.36	69.8
31	1.93	0.37	70.9
32	2.06	0.37	72.2
33	2.18	0.37	73.3
34	2.32	0.37	74.7
35	2.46	0.38	76.0
36	2.6	0.38	77.4
37	2.76	0.39	78.9
38	2.93	0.39	80.6
39	3.11	0.39	82.3
40	3.32	0.37	84.3

**NIH Toolbox Parent Report Fear Bank/ Fixed Form Ages 8-12 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-1.4	0.61	35.8
11	-0.88	0.5	41.2
12	-0.51	0.43	45
13	-0.22	0.39	48
14	0.03	0.37	50.6
15	0.25	0.35	53
16	0.46	0.35	55.1
17	0.66	0.34	57.2
18	0.84	0.34	59.2
19	1.03	0.34	61.1
20	1.21	0.34	63
21	1.39	0.33	64.9
22	1.58	0.33	66.8
23	1.76	0.33	68.7
24	1.94	0.33	70.6
25	2.12	0.33	72.5
26	2.31	0.34	74.5
27	2.52	0.35	76.6
28	2.74	0.37	78.9
29	2.98	0.38	81.5
30	3.24	0.37	84.2

<b>NIH Toolbox Fear - Somatic Arousal Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
6	-0.99	0.72	37.9
7	-0.44	0.64	44.4
8	-0.05	0.6	49
9	0.26	0.59	52.5
10	0.52	0.58	55.7
11	0.77	0.55	58.6
12	0.99	0.54	61.2
13	1.2	0.53	63.6
14	1.39	0.52	65.9
15	1.58	0.51	68.1
16	1.76	0.51	70.3
17	1.94	0.51	72.3
18	2.11	0.5	74.4
19	2.29	0.5	76.4
20	2.46	0.5	78.4
21	2.63	0.49	80.4
22	2.79	0.49	82.4
23	2.96	0.47	84.3
24	3.12	0.46	86.2
25	3.26	0.43	87.9
26	3.39	0.4	89.4
27	3.5	0.36	90.7
28	3.59	0.32	91.7
29	3.66	0.29	92.6
30	3.71	0.25	93.2

<b>NIH Toolbox Friendship Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
8	-3.2	0.35	16.5
9	-2.92	0.32	19.5
10	-2.71	0.29	21.7
11	-2.53	0.27	23.5
12	-2.38	0.26	25.1
13	-2.24	0.25	26.6
14	-2.11	0.25	27.9
15	-1.99	0.24	29.2
16	-1.87	0.24	30.5
17	-1.75	0.24	31.7
18	-1.64	0.24	32.9
19	-1.52	0.24	34
20	-1.41	0.24	35.2
21	-1.29	0.24	36.4
22	-1.18	0.24	37.6
23	-1.07	0.24	38.8
24	-0.95	0.24	40
25	-0.84	0.24	41.2
26	-0.72	0.24	42.4
27	-0.6	0.24	43.6
28	-0.48	0.24	44.9
29	-0.36	0.24	46.1
30	-0.24	0.24	47.4
31	-0.12	0.24	48.6
32	0	0.24	49.9
33	0.12	0.25	51.2
34	0.25	0.25	52.6
35	0.39	0.25	54
36	0.54	0.26	55.5
37	0.71	0.28	57.2
38	0.9	0.31	59.3
39	1.16	0.36	62
40	1.65	0.52	67.1

<b>NIH Toolbox Friendship Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-3.34	0.35	15.7
6	-3.1	0.36	18.1
7	-2.9	0.36	20.2
8	-2.71	0.36	22.1
9	-2.52	0.35	24
10	-2.35	0.35	25.8
11	-2.18	0.35	27.6
12	-2.01	0.35	29.3
13	-1.83	0.35	31.1
14	-1.66	0.35	32.9
15	-1.48	0.35	34.8
16	-1.29	0.35	36.7
17	-1.1	0.35	38.7
18	-0.89	0.35	40.8
19	-0.67	0.35	43.1
20	-0.44	0.35	45.4
21	-0.2	0.36	47.9
22	0.07	0.38	50.6
23	0.39	0.4	53.9
24	0.77	0.46	57.8
25	1.33	0.59	63.7

**NIH Toolbox General Life Satisfaction Bank/Fixed Form Ages  
13-17 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
10	-3.46	0.31	11.9
11	-3.27	0.33	14
12	-3.08	0.33	16
13	-2.91	0.32	17.9
14	-2.76	0.32	19.6
15	-2.63	0.31	21.1
16	-2.5	0.3	22.5
17	-2.39	0.3	23.7
18	-2.28	0.29	25
19	-2.18	0.29	26.1
20	-2.08	0.29	27.2
21	-1.98	0.28	28.3
22	-1.89	0.28	29.3
23	-1.8	0.28	30.3
24	-1.71	0.28	31.3
25	-1.62	0.28	32.3
26	-1.54	0.28	33.2
27	-1.45	0.28	34.2
28	-1.37	0.28	35.1
29	-1.29	0.28	36
30	-1.2	0.28	36.9
31	-1.12	0.28	37.8
32	-1.04	0.28	38.7
33	-0.96	0.29	39.6
34	-0.88	0.29	40.5
35	-0.8	0.29	41.4
36	-0.71	0.29	42.4
37	-0.63	0.29	43.3
38	-0.54	0.3	44.3
39	-0.46	0.3	45.2
40	-0.37	0.3	46.2
41	-0.28	0.3	47.2
42	-0.19	0.31	48.2
43	-0.1	0.31	49.2
44	0	0.31	50.3
45	0.1	0.31	51.3
46	0.19	0.32	52.4
47	0.29	0.32	53.6
48	0.4	0.32	54.7
49	0.51	0.32	55.9
50	0.62	0.32	57.2
51	0.74	0.32	58.5

52	0.86	0.32	59.8
53	0.99	0.33	61.3
54	1.12	0.33	62.8
55	1.27	0.34	64.4
56	1.43	0.34	66.1
57	1.6	0.35	68.1
58	1.82	0.38	70.5
59	2.08	0.42	73.4
60	2.42	0.48	77.1



**NIH Toolbox General Life Satisfaction Fixed Form A Ages 18+  
v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-2.7	0.43	19.9
6	-2.31	0.36	24.1
7	-2.06	0.33	26.8
8	-1.86	0.31	29
9	-1.69	0.3	30.8
10	-1.55	0.3	32.4
11	-1.42	0.3	33.9
12	-1.29	0.29	35.2
13	-1.18	0.29	36.4
14	-1.07	0.28	37.6
15	-0.96	0.28	38.8
16	-0.86	0.28	39.9
17	-0.76	0.28	41
18	-0.65	0.28	42.1
19	-0.55	0.28	43.2
20	-0.45	0.28	44.4
21	-0.34	0.29	45.5
22	-0.23	0.29	46.7
23	-0.12	0.3	48
24	0	0.31	49.3
25	0.13	0.32	50.6
26	0.25	0.33	52
27	0.38	0.34	53.3
28	0.51	0.34	54.8
29	0.67	0.33	56.5
30	0.86	0.32	58.6
31	1.07	0.32	60.9
32	1.31	0.32	63.5
33	1.6	0.34	66.6
34	1.93	0.38	70.2
35	2.34	0.46	74.7

**NIH Toolbox General Life Satisfaction Fixed Form B Ages 18+ v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-2.91	0.39	17.6
6	-2.55	0.33	21.5
7	-2.29	0.3	24.3
8	-2.06	0.3	26.8
9	-1.85	0.29	29.1
10	-1.66	0.29	31.2
11	-1.47	0.29	33.3
12	-1.29	0.29	35.2
13	-1.11	0.29	37.1
14	-0.93	0.29	39.1
15	-0.75	0.3	41.1
16	-0.55	0.31	43.3
17	-0.35	0.32	45.5
18	-0.13	0.33	47.8
19	0.1	0.33	50.4
20	0.36	0.33	53.2
21	0.63	0.33	56.1
22	0.91	0.32	59.2
23	1.19	0.32	62.2
24	1.51	0.36	65.7
25	2	0.48	71

<b>NIH Toolbox General Life Satisfaction Fixed Form Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-3.07	0.42	15.8
6	-2.8	0.41	19
7	-2.57	0.4	21.6
8	-2.38	0.39	23.9
9	-2.2	0.38	26.1
10	-2.03	0.38	28.1
11	-1.86	0.38	30
12	-1.7	0.39	32
13	-1.53	0.39	33.9
14	-1.36	0.4	36
15	-1.18	0.41	38.1
16	-1	0.43	40.3
17	-0.8	0.44	42.5
18	-0.61	0.44	44.9
19	-0.41	0.44	47.2
20	-0.19	0.44	49.8
21	0.06	0.45	52.7
22	0.34	0.45	56.1
23	0.66	0.46	59.8
24	1.03	0.49	64.3
25	1.54	0.59	70.3

<b>NIH Toolbox Instrumental Support Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
8	-2.79	0.37	20.7
9	-2.45	0.28	24.2
10	-2.27	0.25	26.1
11	-2.12	0.23	27.6
12	-2	0.21	28.8
13	-1.9	0.2	29.9
14	-1.8	0.2	30.9
15	-1.71	0.2	31.9
16	-1.62	0.19	32.8
17	-1.54	0.19	33.6
18	-1.46	0.19	34.5
19	-1.38	0.19	35.3
20	-1.3	0.19	36.1
21	-1.22	0.19	36.9
22	-1.14	0.19	37.7
23	-1.06	0.19	38.6
24	-0.98	0.19	39.4
25	-0.9	0.2	40.2
26	-0.82	0.2	41.1
27	-0.73	0.2	41.9
28	-0.65	0.2	42.8
29	-0.56	0.2	43.7
30	-0.47	0.2	44.6
31	-0.38	0.2	45.6
32	-0.29	0.2	46.5
33	-0.19	0.2	47.6
34	-0.08	0.21	48.6
35	0.03	0.21	49.8
36	0.15	0.23	51.1
37	0.3	0.25	52.5
38	0.47	0.28	54.4
39	0.72	0.33	56.9
40	1.29	0.55	62.8

<b>NIH Toolbox Loneliness Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-1.24	0.57	37.1
6	-0.62	0.37	43.7
7	-0.3	0.32	47.1
8	-0.05	0.3	49.8
9	0.17	0.29	52.1
10	0.37	0.29	54.3
11	0.57	0.29	56.4
12	0.77	0.29	58.5
13	0.97	0.29	60.7
14	1.17	0.29	62.8
15	1.37	0.3	64.9
16	1.56	0.3	66.9
17	1.75	0.3	68.9
18	1.93	0.29	70.9
19	2.1	0.28	72.7
20	2.27	0.28	74.4
21	2.43	0.28	76.2
22	2.6	0.28	78
23	2.79	0.29	80
24	3	0.3	82.2
25	3.28	0.32	85.2

<b>NIH Toolbox Loneliness Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
7	-1.12	0.58	38.5
8	-0.49	0.36	45
9	-0.2	0.3	48
10	0.02	0.26	50.2
11	0.2	0.26	52.1
12	0.37	0.25	53.8
13	0.52	0.25	55.4
14	0.67	0.25	56.9
15	0.81	0.25	58.4
16	0.97	0.26	60
17	1.12	0.26	61.6
18	1.27	0.27	63.1
19	1.42	0.27	64.7
20	1.56	0.28	66.2
21	1.71	0.29	67.6
22	1.85	0.29	69.1
23	1.99	0.28	70.5
24	2.13	0.27	72
25	2.25	0.26	73.3
26	2.38	0.25	74.6
27	2.49	0.24	75.7
28	2.6	0.24	76.9
29	2.71	0.24	78
30	2.82	0.25	79.2
31	2.94	0.25	80.4
32	3.07	0.26	81.7
33	3.21	0.28	83.2
34	3.34	0.27	84.5
35	3.52	0.26	86.4

<b>NIH Toolbox Meaning and Purpose Bank Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
7	-3.57	0.29	12.8
8	-3.48	0.31	13.8
9	-3.32	0.34	15.3
10	-3.13	0.35	17.2
11	-2.94	0.35	19.2
12	-2.74	0.34	21.2
13	-2.56	0.34	23
14	-2.39	0.33	24.8
15	-2.22	0.33	26.4
16	-2.06	0.33	28.1
17	-1.9	0.32	29.6
18	-1.75	0.33	31.2
19	-1.59	0.33	32.8
20	-1.43	0.33	34.4
21	-1.27	0.33	36
22	-1.11	0.33	37.7
23	-0.95	0.33	39.3
24	-0.78	0.34	41
25	-0.6	0.34	42.8
26	-0.41	0.35	44.7
27	-0.22	0.35	46.7
28	-0.01	0.35	48.8
29	0.2	0.36	50.9
30	0.42	0.36	53.1
31	0.66	0.37	55.5
32	0.92	0.38	58.2
33	1.2	0.41	61.1
34	1.53	0.46	64.4
35	1.94	0.54	68.5

<b>NIH Toolbox Meaning and Purpose Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
7	-3.57	0.29	12.8
8	-3.48	0.31	13.8
9	-3.32	0.34	15.3
10	-3.13	0.35	17.2
11	-2.94	0.35	19.2
12	-2.74	0.34	21.2
13	-2.56	0.34	23
14	-2.39	0.33	24.8
15	-2.22	0.33	26.4
16	-2.06	0.33	28.1
17	-1.9	0.32	29.6
18	-1.75	0.33	31.2
19	-1.59	0.33	32.8
20	-1.43	0.33	34.4
21	-1.27	0.33	36
22	-1.11	0.33	37.7
23	-0.95	0.33	39.3
24	-0.78	0.34	41
25	-0.6	0.34	42.8
26	-0.41	0.35	44.7
27	-0.22	0.35	46.7
28	-0.01	0.35	48.8
29	0.2	0.36	50.9
30	0.42	0.36	53.1
31	0.66	0.37	55.5
32	0.92	0.38	58.2
33	1.2	0.41	61.1
34	1.53	0.46	64.4
35	1.94	0.54	68.5



<b>NIH Toolbox Perceived Hostility Bank/Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
5	-1.9	0.47	30.9
6	-1.39	0.33	36
7	-1.09	0.3	39.2
8	-0.83	0.29	41.7
9	-0.61	0.28	44
10	-0.4	0.28	46.2
11	-0.19	0.29	48.3
12	0.03	0.29	50.6
13	0.26	0.3	52.9
14	0.49	0.31	55.2
15	0.73	0.31	57.6
16	0.97	0.31	60.1
17	1.19	0.3	62.3
18	1.39	0.29	64.4
19	1.57	0.28	66.2
20	1.75	0.27	68
21	1.92	0.27	69.7
22	2.1	0.28	71.6
23	2.3	0.29	73.6
24	2.52	0.32	75.8
25	2.87	0.38	79.4

**NIH Toolbox Perceived Hostility Bank/Fixed Form Ages 18+  
v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T Score</b>
8	-1.65	0.53	33.2
9	-1.14	0.4	38.5
10	-0.83	0.34	41.7
11	-0.6	0.31	44.2
12	-0.4	0.29	46.3
13	-0.22	0.28	48.1
14	-0.06	0.27	49.8
15	0.09	0.26	51.4
16	0.24	0.26	52.9
17	0.38	0.26	54.4
18	0.52	0.26	55.8
19	0.65	0.26	57.2
20	0.79	0.26	58.7
21	0.93	0.26	60.1
22	1.07	0.26	61.5
23	1.21	0.27	63
24	1.35	0.27	64.4
25	1.48	0.27	65.8
26	1.61	0.27	67.2
27	1.74	0.26	68.6
28	1.87	0.26	69.9
29	1.99	0.26	71.2
30	2.11	0.25	72.4
31	2.23	0.25	73.6
32	2.35	0.25	74.9
33	2.47	0.25	76.1
34	2.59	0.25	77.4
35	2.71	0.26	78.7
36	2.85	0.26	80.1
37	3	0.27	81.7
38	3.17	0.28	83.4
39	3.35	0.29	85.3
40	3.54	0.27	87.3

<b>NIH Toolbox Perceived Rejection Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
8	-1.41	0.55	35.6
9	-0.88	0.39	41.2
10	-0.59	0.32	44.3
11	-0.37	0.29	46.5
12	-0.19	0.27	48.4
13	-0.03	0.26	50.1
14	0.12	0.25	51.6
15	0.26	0.25	53.1
16	0.39	0.25	54.6
17	0.53	0.25	56
18	0.66	0.25	57.4
19	0.79	0.25	58.8
20	0.93	0.25	60.2
21	1.06	0.25	61.6
22	1.19	0.25	63
23	1.32	0.26	64.3
24	1.45	0.26	65.7
25	1.58	0.26	67
26	1.7	0.26	68.3
27	1.83	0.26	69.6
28	1.95	0.25	70.9
29	2.07	0.25	72.2
30	2.18	0.25	73.4
31	2.29	0.24	74.6
32	2.4	0.24	75.7
33	2.52	0.24	76.9
34	2.63	0.24	78.1
35	2.75	0.25	79.3
36	2.87	0.25	80.7
37	3.01	0.26	82.1
38	3.16	0.27	83.7
39	3.33	0.28	85.5
40	3.52	0.27	87.5

**NIH Toolbox Perceived Stress Bank/Fixed Form Ages 13-17  
v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
10	-3.04	0.43	20.4
11	-2.75	0.42	23.2
12	-2.5	0.4	25.8
13	-2.27	0.39	28
14	-2.06	0.37	30.1
15	-1.87	0.37	32
16	-1.69	0.36	33.9
17	-1.51	0.36	35.6
18	-1.34	0.35	37.3
19	-1.18	0.35	39
20	-1.01	0.35	40.7
21	-0.85	0.35	42.3
22	-0.69	0.35	43.9
23	-0.53	0.35	45.5
24	-0.38	0.35	47
25	-0.22	0.35	48.6
26	-0.06	0.35	50.2
27	0.09	0.35	51.7
28	0.25	0.35	53.3
29	0.4	0.35	54.9
30	0.55	0.35	56.4
31	0.7	0.35	57.9
32	0.85	0.35	59.4
33	1	0.35	60.8
34	1.14	0.35	62.3
35	1.29	0.34	63.7
36	1.43	0.34	65.1
37	1.57	0.34	66.5
38	1.71	0.34	67.9
39	1.85	0.34	69.3
40	1.99	0.34	70.7
41	2.13	0.34	72.2
42	2.27	0.35	73.6
43	2.43	0.35	75.1
44	2.58	0.36	76.7
45	2.75	0.37	78.4
46	2.92	0.37	80.1
47	3.1	0.38	81.9
48	3.28	0.36	83.7
49	3.44	0.34	85.3
50	3.57	0.3	86.6

<b>NIH Toolbox Perceived Stress Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-2.76	0.49	22.7
11	-2.45	0.46	25.8
12	-2.19	0.44	28.5
13	-1.95	0.42	30.9
14	-1.74	0.4	33
15	-1.54	0.39	35
16	-1.36	0.38	36.9
17	-1.18	0.38	38.7
18	-1.01	0.37	40.4
19	-0.85	0.37	42
20	-0.69	0.37	43.7
21	-0.53	0.37	45.3
22	-0.37	0.37	46.9
23	-0.22	0.37	48.4
24	-0.07	0.37	49.9
25	0.09	0.37	51.5
26	0.24	0.37	53
27	0.39	0.37	54.5
28	0.54	0.37	56.1
29	0.69	0.37	57.5
30	0.83	0.37	59
31	0.98	0.37	60.5
32	1.12	0.37	61.9
33	1.26	0.37	63.4
34	1.4	0.37	64.8
35	1.54	0.37	66.2
36	1.68	0.36	67.6
37	1.82	0.36	69
38	1.96	0.36	70.4
39	2.09	0.36	71.8
40	2.23	0.36	73.1
41	2.37	0.36	74.5
42	2.51	0.37	75.9
43	2.65	0.37	77.4
44	2.8	0.37	78.9
45	2.95	0.38	80.4
46	3.1	0.37	81.9
47	3.25	0.36	83.4
48	3.38	0.34	84.8
49	3.51	0.31	86
50	3.61	0.28	87.1

**NIH Toolbox Parent Report Perceived Stress Bank/Fixed  
Form Ages 8-12 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-2.44	0.52	25.4
11	-2.07	0.47	29.1
12	-1.77	0.44	32.2
13	-1.51	0.42	34.8
14	-1.28	0.4	37.1
15	-1.07	0.39	39.3
16	-0.87	0.39	41.3
17	-0.68	0.38	43.2
18	-0.5	0.38	45
19	-0.33	0.37	46.8
20	-0.16	0.37	48.5
21	0.01	0.37	50.2
22	0.17	0.37	51.9
23	0.34	0.37	53.5
24	0.49	0.37	55.1
25	0.65	0.37	56.7
26	0.81	0.37	58.3
27	0.96	0.37	59.9
28	1.11	0.37	61.4
29	1.27	0.37	62.9
30	1.41	0.37	64.5
31	1.56	0.37	65.9
32	1.71	0.37	67.4
33	1.85	0.37	68.9
34	1.99	0.37	70.3
35	2.13	0.36	71.7
36	2.27	0.36	73.2
37	2.41	0.36	74.6
38	2.55	0.36	76
39	2.69	0.36	77.4
40	2.83	0.36	78.8
41	2.97	0.36	80.2
42	3.11	0.35	81.6
43	3.24	0.34	83
44	3.37	0.33	84.3
45	3.48	0.3	85.4
46	3.58	0.28	86.4
47	3.66	0.25	87.2
48	3.72	0.22	87.9
49	3.77	0.19	88.4
50	3.81	0.17	88.8

<b>NIH Toolbox Perceived Rejection Fixed Form Ages 8-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
5	-1.2	0.58	37.5
6	-0.57	0.37	44
7	-0.27	0.32	47.2
8	-0.03	0.29	49.7
9	0.18	0.28	51.8
10	0.37	0.28	53.8
11	0.55	0.28	55.7
12	0.74	0.28	57.6
13	0.92	0.28	59.6
14	1.12	0.28	61.6
15	1.31	0.29	63.6
16	1.49	0.29	65.4
17	1.66	0.29	67.2
18	1.83	0.28	69
19	1.99	0.27	70.6
20	2.15	0.27	72.2
21	2.3	0.27	73.8
22	2.46	0.27	75.4
23	2.63	0.28	77.2
24	2.83	0.3	79.4
25	3.14	0.34	82.6

<b>NIH Toolbox Positive Affect Bank Ages 13-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-3.41	0.29	15.6
11	-3.18	0.28	17.9
12	-2.98	0.25	19.9
13	-2.82	0.23	21.5
14	-2.68	0.22	22.9
15	-2.56	0.21	24.1
16	-2.44	0.21	25.3
17	-2.33	0.21	26.4
18	-2.22	0.21	27.5
19	-2.11	0.21	28.6
20	-2.01	0.21	29.6
21	-1.9	0.21	30.7
22	-1.8	0.2	31.7
23	-1.7	0.2	32.7
24	-1.6	0.2	33.7
25	-1.5	0.2	34.7
26	-1.4	0.21	35.7
27	-1.3	0.21	36.8
28	-1.19	0.21	37.8
29	-1.09	0.21	38.8
30	-0.98	0.21	39.9
31	-0.88	0.21	40.9
32	-0.77	0.21	42
33	-0.67	0.21	43
34	-0.56	0.21	44.1
35	-0.46	0.21	45.1
36	-0.35	0.21	46.2
37	-0.24	0.21	47.3
38	-0.12	0.21	48.5
39	-0.01	0.22	49.6
40	0.11	0.22	50.8
41	0.23	0.22	52
42	0.35	0.21	53.2
43	0.48	0.21	54.5
44	0.6	0.21	55.7
45	0.72	0.21	56.9
46	0.85	0.22	58.2
47	1	0.24	59.7
48	1.18	0.27	61.5
49	1.42	0.32	63.9
50	1.86	0.48	68.3



NIH Toolbox Positive Affect Bank Ages 18+ v2.0			
Raw Sum Score	Theta Score	Theta SD	Uncorrected T-Score
15	-3.56	0.27	13.9
16	-3.43	0.3	15.2
17	-3.27	0.3	16.8
18	-3.13	0.3	18.2
19	-2.99	0.29	19.6
20	-2.87	0.27	20.8
21	-2.75	0.26	22
22	-2.65	0.25	23
23	-2.55	0.24	24
24	-2.46	0.23	24.9
25	-2.37	0.23	25.8
26	-2.29	0.22	26.6
27	-2.21	0.22	27.4
28	-2.13	0.22	28.2
29	-2.06	0.21	28.9
30	-1.98	0.21	29.7
31	-1.91	0.21	30.4
32	-1.84	0.21	31.1
33	-1.77	0.21	31.8
34	-1.7	0.21	32.5
35	-1.63	0.21	33.2
36	-1.56	0.21	33.9
37	-1.5	0.21	34.5
38	-1.43	0.21	35.2
39	-1.36	0.21	35.9
40	-1.3	0.21	36.5
41	-1.23	0.21	37.2
42	-1.17	0.21	37.8
43	-1.1	0.21	38.5
44	-1.04	0.21	39.1
45	-0.97	0.21	39.8
46	-0.91	0.21	40.4
47	-0.84	0.21	41.1
48	-0.78	0.21	41.7
49	-0.71	0.21	42.4
50	-0.65	0.21	43
51	-0.58	0.21	43.7
52	-0.52	0.21	44.3
53	-0.45	0.21	45
54	-0.38	0.21	45.7
55	-0.31	0.21	46.4
56	-0.25	0.21	47
57	-0.18	0.21	47.7
58	-0.11	0.21	48.4

59	-0.04	0.21	49.1
60	0.03	0.21	49.8
61	0.11	0.21	50.6
62	0.18	0.21	51.3
63	0.26	0.21	52.1
64	0.34	0.22	52.9
65	0.42	0.22	53.7
66	0.5	0.23	54.5
67	0.59	0.23	55.4
68	0.69	0.24	56.4
69	0.8	0.26	57.5
70	0.92	0.28	58.7
71	1.05	0.3	60
72	1.21	0.33	61.6
73	1.39	0.37	63.4
74	1.63	0.42	65.8
75	1.99	0.51	69.4

<b>NIH Toolbox Positive Affect Fixed Form Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-3.15	0.39	18
10	-2.9	0.38	20.6
11	-2.72	0.37	22.4
12	-2.56	0.35	24.1
13	-2.41	0.34	25.5
14	-2.28	0.33	26.8
15	-2.16	0.33	28
16	-2.05	0.32	29.2
17	-1.94	0.32	30.3
18	-1.84	0.32	31.3
19	-1.74	0.31	32.3
20	-1.64	0.31	33.3
21	-1.54	0.31	34.3
22	-1.45	0.31	35.2
23	-1.35	0.31	36.2
24	-1.26	0.31	37.1
25	-1.17	0.31	38.1
26	-1.07	0.31	39
27	-0.98	0.31	40
28	-0.89	0.32	40.9
29	-0.79	0.32	41.9
30	-0.7	0.32	42.8
31	-0.6	0.32	43.8
32	-0.5	0.32	44.8
33	-0.4	0.32	45.9
34	-0.29	0.33	46.9
35	-0.18	0.33	48
36	-0.07	0.33	49.1
37	0.05	0.34	50.3
38	0.17	0.34	51.6
39	0.3	0.35	52.9
40	0.45	0.36	54.4
41	0.61	0.38	56
42	0.79	0.4	57.8
43	1	0.42	59.9
44	1.26	0.46	62.6
45	1.7	0.56	67.1

**NIH Toolbox Positive Affect FF Ages 13-17 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-3.41	0.29	15.6
11	-3.18	0.28	17.9
12	-2.98	0.25	19.9
13	-2.82	0.23	21.5
14	-2.68	0.22	22.9
15	-2.56	0.21	24.1
16	-2.44	0.21	25.3
17	-2.33	0.21	26.4
18	-2.22	0.21	27.5
19	-2.11	0.21	28.6
20	-2.01	0.21	29.6
21	-1.9	0.21	30.7
22	-1.8	0.2	31.7
23	-1.7	0.2	32.7
24	-1.6	0.2	33.7
25	-1.5	0.2	34.7
26	-1.4	0.21	35.7
27	-1.3	0.21	36.8
28	-1.19	0.21	37.8
29	-1.09	0.21	38.8
30	-0.98	0.21	39.9
31	-0.88	0.21	40.9
32	-0.77	0.21	42
33	-0.67	0.21	43
34	-0.56	0.21	44.1
35	-0.46	0.21	45.1
36	-0.35	0.21	46.2
37	-0.24	0.21	47.3
38	-0.12	0.21	48.5
39	-0.01	0.22	49.6
40	0.11	0.22	50.8
41	0.23	0.22	52
42	0.35	0.21	53.2
43	0.48	0.21	54.5
44	0.6	0.21	55.7
45	0.72	0.21	56.9
46	0.85	0.22	58.2
47	1	0.24	59.7
48	1.18	0.27	61.5
49	1.42	0.32	63.9
50	1.86	0.48	68.3

<b>NIH Toolbox Positive Affect Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
15	-3.56	0.27	13.9
16	-3.43	0.3	15.2
17	-3.27	0.3	16.8
18	-3.13	0.3	18.2
19	-2.99	0.29	19.6
20	-2.87	0.27	20.8
21	-2.75	0.26	22
22	-2.65	0.25	23
23	-2.55	0.24	24
24	-2.46	0.23	24.9
25	-2.37	0.23	25.8
26	-2.29	0.22	26.6
27	-2.21	0.22	27.4
28	-2.13	0.22	28.2
29	-2.06	0.21	28.9
30	-1.98	0.21	29.7
31	-1.91	0.21	30.4
32	-1.84	0.21	31.1
33	-1.77	0.21	31.8
34	-1.7	0.21	32.5
35	-1.63	0.21	33.2
36	-1.56	0.21	33.9
37	-1.5	0.21	34.5
38	-1.43	0.21	35.2
39	-1.36	0.21	35.9
40	-1.3	0.21	36.5
41	-1.23	0.21	37.2
42	-1.17	0.21	37.8
43	-1.1	0.21	38.5
44	-1.04	0.21	39.1
45	-0.97	0.21	39.8
46	-0.91	0.21	40.4
47	-0.84	0.21	41.1
48	-0.78	0.21	41.7
49	-0.71	0.21	42.4
50	-0.65	0.21	43
51	-0.58	0.21	43.7
52	-0.52	0.21	44.3
53	-0.45	0.21	45
54	-0.38	0.21	45.7
55	-0.31	0.21	46.4
56	-0.25	0.21	47
57	-0.18	0.21	47.7
58	-0.11	0.21	48.4

59	-0.04	0.21	49.1
60	0.03	0.21	49.8
61	0.11	0.21	50.6
62	0.18	0.21	51.3
63	0.26	0.21	52.1
64	0.34	0.22	52.9
65	0.42	0.22	53.7
66	0.5	0.23	54.5
67	0.59	0.23	55.4
68	0.69	0.24	56.4
69	0.8	0.26	57.5
70	0.92	0.28	58.7
71	1.05	0.3	60
72	1.21	0.33	61.6
73	1.39	0.37	63.4
74	1.63	0.42	65.8
75	1.99	0.51	69.4

**NIH Toolbox Positive Affect Parent Report Bank Ages 3-7  
v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-3.64	0.23	13.3
10	-3.49	0.25	14.8
11	-3.33	0.26	16.5
12	-3.16	0.25	18.1
13	-3.01	0.25	19.7
14	-2.86	0.25	21.2
15	-2.72	0.25	22.7
16	-2.58	0.25	24.1
17	-2.45	0.25	25.5
18	-2.32	0.25	26.8
19	-2.19	0.25	28.1
20	-2.06	0.25	29.5
21	-1.92	0.25	30.9
22	-1.78	0.25	32.3
23	-1.64	0.25	33.7
24	-1.5	0.26	35.2
25	-1.36	0.26	36.6
26	-1.21	0.26	38.1
27	-1.07	0.26	39.6
28	-0.92	0.26	41.1
29	-0.77	0.25	42.6
30	-0.62	0.25	44.2
31	-0.47	0.26	45.8
32	-0.3	0.28	47.5
33	-0.1	0.31	49.6
34	0.15	0.36	52.1
35	0.49	0.44	55.6
36	1.1	0.62	61.8

<b>NIH Toolbox Parent Report Positive Affect Bank Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-2.88	0.38	21.2
10	-2.58	0.32	24.3
11	-2.36	0.27	26.5
12	-2.19	0.24	28.3
13	-2.04	0.23	29.7
14	-1.91	0.22	31
15	-1.79	0.21	32.3
16	-1.68	0.21	33.4
17	-1.57	0.21	34.5
18	-1.46	0.21	35.6
19	-1.35	0.21	36.7
20	-1.24	0.21	37.8
21	-1.13	0.21	39
22	-1.02	0.22	40.1
23	-0.9	0.22	41.3
24	-0.78	0.22	42.6
25	-0.65	0.23	43.8
26	-0.52	0.23	45.1
27	-0.39	0.23	46.4
28	-0.26	0.22	47.8
29	-0.13	0.22	49.1
30	0	0.22	50.5
31	0.14	0.22	51.8
32	0.29	0.23	53.3
33	0.45	0.25	55
34	0.65	0.29	57
35	0.93	0.36	59.8
36	1.45	0.54	65.1



**NIH Toolbox Positive Affect Parent Report Fixed Form  
Ages 3-7 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-3.64	0.23	13.3
10	-3.49	0.25	14.8
11	-3.33	0.26	16.5
12	-3.16	0.25	18.1
13	-3.01	0.25	19.7
14	-2.86	0.25	21.2
15	-2.72	0.25	22.7
16	-2.58	0.25	24.1
17	-2.45	0.25	25.5
18	-2.32	0.25	26.8
19	-2.19	0.25	28.1
20	-2.06	0.25	29.5
21	-1.92	0.25	30.9
22	-1.78	0.25	32.3
23	-1.64	0.25	33.7
24	-1.5	0.26	35.2
25	-1.36	0.26	36.6
26	-1.21	0.26	38.1
27	-1.07	0.26	39.6
28	-0.92	0.26	41.1
29	-0.77	0.25	42.6
30	-0.62	0.25	44.2
31	-0.47	0.26	45.8
32	-0.3	0.28	47.5
33	-0.1	0.31	49.6
34	0.15	0.36	52.1
35	0.49	0.44	55.6
36	1.1	0.62	61.8

<b>NIH Toolbox Parent Report Positive Affect Fixed Form Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
9	-2.88	0.38	21.2
10	-2.58	0.32	24.3
11	-2.36	0.27	26.5
12	-2.19	0.24	28.3
13	-2.04	0.23	29.7
14	-1.91	0.22	31
15	-1.79	0.21	32.3
16	-1.68	0.21	33.4
17	-1.57	0.21	34.5
18	-1.46	0.21	35.6
19	-1.35	0.21	36.7
20	-1.24	0.21	37.8
21	-1.13	0.21	39
22	-1.02	0.22	40.1
23	-0.9	0.22	41.3
24	-0.78	0.22	42.6
25	-0.65	0.23	43.8
26	-0.52	0.23	45.1
27	-0.39	0.23	46.4
28	-0.26	0.22	47.8
29	-0.13	0.22	49.1
30	0	0.22	50.5
31	0.14	0.22	51.8
32	0.29	0.23	53.3
33	0.45	0.25	55
34	0.65	0.29	57
35	0.93	0.36	59.8
36	1.45	0.54	65.1

<b>NIH Toolbox Parent Report Sadness Fixed Form Ages 3-7 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
7	-0.62	0.8	41.2
8	0.02	0.73	49.3
9	0.55	0.68	56
10	1	0.64	61.9
11	1.4	0.61	67
12	1.75	0.59	71.5
13	2.08	0.58	75.6
14	2.38	0.57	79.5
15	2.67	0.56	83.2
16	2.95	0.54	86.7
17	3.19	0.49	89.8
18	3.38	0.43	92.3
19	3.53	0.36	94.2
20	3.64	0.3	95.6
21	3.71	0.26	96.5

<b>NIH Toolbox Parent Report Sadness Fixed Form Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
11	-0.65	0.77	41.5
12	0.02	0.66	49.2
13	0.48	0.59	54.4
14	0.87	0.51	58.8
15	1.19	0.44	62.5
16	1.45	0.39	65.4
17	1.67	0.35	68
18	1.87	0.33	70.2
19	2.05	0.32	72.3
20	2.22	0.31	74.2
21	2.38	0.31	76
22	2.53	0.31	77.8
23	2.68	0.31	79.6
24	2.84	0.31	81.3
25	3	0.31	83.2
26	3.17	0.3	85.1
27	3.33	0.29	86.9
28	3.48	0.27	88.6
29	3.6	0.24	90
30	3.69	0.21	91.1
31	3.77	0.18	91.9
32	3.82	0.15	92.5
33	3.85	0.13	92.9

<b>NIH Toolbox Self Efficacy Bank/Fixed Form Ages 8-12 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-3.23	0.38	17.1
11	-3.01	0.38	19.4
12	-2.85	0.38	21
13	-2.69	0.36	22.7
14	-2.54	0.35	24.1
15	-2.41	0.34	25.5
16	-2.28	0.34	26.8
17	-2.16	0.33	28
18	-2.04	0.33	29.2
19	-1.93	0.33	30.3
20	-1.82	0.33	31.4
21	-1.71	0.33	32.6
22	-1.6	0.33	33.7
23	-1.49	0.33	34.8
24	-1.38	0.33	35.9
25	-1.27	0.34	37
26	-1.16	0.34	38.1
27	-1.04	0.34	39.3
28	-0.93	0.34	40.4
29	-0.82	0.34	41.5
30	-0.71	0.34	42.7
31	-0.59	0.34	43.8
32	-0.48	0.34	45
33	-0.37	0.34	46.1
34	-0.25	0.34	47.3
35	-0.14	0.34	48.4
36	-0.03	0.33	49.6
37	0.09	0.33	50.7
38	0.2	0.33	51.9
39	0.32	0.33	53.1
40	0.44	0.34	54.3
41	0.56	0.34	55.5
42	0.69	0.34	56.8
43	0.82	0.35	58.1
44	0.96	0.36	59.5
45	1.11	0.38	61.1
46	1.27	0.4	62.7
47	1.45	0.42	64.5
48	1.66	0.45	66.7
49	1.88	0.47	68.9
50	2.21	0.53	72.2

<b>NIH Toolbox Self Efficacy Bank/Fixed Form Ages 13-17 v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T-Score</b>
10	-3.71	0.21	12.2
11	-3.63	0.24	13
12	-3.52	0.27	14.1
13	-3.4	0.29	15.3
14	-3.27	0.3	16.6
15	-3.14	0.3	17.9
16	-3.01	0.3	19.2
17	-2.88	0.3	20.5
18	-2.76	0.3	21.8
19	-2.64	0.3	23
20	-2.52	0.3	24.2
21	-2.4	0.3	25.4
22	-2.28	0.3	26.6
23	-2.15	0.31	27.9
24	-2.03	0.31	29.1
25	-1.9	0.31	30.4
26	-1.77	0.32	31.7
27	-1.64	0.32	33.1
28	-1.5	0.32	34.4
29	-1.37	0.32	35.8
30	-1.23	0.32	37.2
31	-1.09	0.32	38.6
32	-0.95	0.32	39.9
33	-0.81	0.32	41.3
34	-0.67	0.32	42.7
35	-0.54	0.31	44.1
36	-0.4	0.31	45.5
37	-0.26	0.31	46.9
38	-0.13	0.31	48.2
39	0.01	0.31	49.6
40	0.14	0.31	51
41	0.28	0.31	52.3
42	0.42	0.31	53.8
43	0.57	0.32	55.2
44	0.72	0.32	56.8
45	0.88	0.33	58.4
46	1.06	0.35	60.2
47	1.26	0.38	62.2
48	1.48	0.41	64.4
49	1.75	0.46	67.1
50	2.11	0.52	70.7

<b>NIH Toolbox Self-Efficacy Bank/Fixed Form Ages 18+ v2.0</b>			
<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T Score</b>
10	-3.26	0.33	16.2
11	-3.02	0.31	18.7
12	-2.81	0.28	20.8
13	-2.63	0.26	22.6
14	-2.47	0.24	24.3
15	-2.32	0.24	25.8
16	-2.17	0.25	27.4
17	-2.01	0.25	29
18	-1.85	0.26	30.6
19	-1.69	0.26	32.2
20	-1.54	0.26	33.8
21	-1.39	0.26	35.3
22	-1.25	0.25	36.7
23	-1.11	0.24	38.2
24	-0.97	0.24	39.6
25	-0.83	0.24	41
26	-0.7	0.25	42.4
27	-0.56	0.25	43.8
28	-0.42	0.25	45.2
29	-0.28	0.26	46.7
30	-0.14	0.26	48.1
31	0	0.25	49.5
32	0.14	0.25	50.9
33	0.28	0.24	52.4
34	0.42	0.25	53.8
35	0.58	0.26	55.4
36	0.74	0.28	57.1
37	0.94	0.32	59.1
38	1.2	0.39	61.7
39	1.5	0.47	64.8
40	1.84	0.55	68.3

**NIH Toolbox Parent Report Self Efficacy Bank/Fixed Form Ages  
8-12 v2.0**

<b>Raw Sum Score</b>	<b>Theta Score</b>	<b>Theta SD</b>	<b>Uncorrected T- Score</b>
10	-2.94	0.38	20.6
11	-2.71	0.34	23
12	-2.48	0.29	25.2
13	-2.29	0.26	27.1
14	-2.13	0.24	28.7
15	-1.98	0.23	30.2
16	-1.84	0.23	31.6
17	-1.69	0.24	33.1
18	-1.52	0.25	34.7
19	-1.36	0.26	36.4
20	-1.2	0.26	38
21	-1.04	0.25	39.5
22	-0.89	0.25	41
23	-0.75	0.24	42.4
24	-0.61	0.23	43.8
25	-0.48	0.23	45.1
26	-0.35	0.23	46.4
27	-0.22	0.23	47.7
28	-0.08	0.24	49.1
29	0.05	0.24	50.4
30	0.18	0.24	51.7
31	0.31	0.24	53
32	0.44	0.23	54.3
33	0.57	0.23	55.6
34	0.71	0.23	56.9
35	0.84	0.23	58.3
36	0.99	0.25	59.8
37	1.17	0.29	61.6
38	1.41	0.36	63.9
39	1.69	0.44	66.7
40	1.98	0.51	69.6